

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: Q3341
Client: Kleinfelder
Contact: Mark Warchol

OrderDate: 10/14/2025 12:11:00 PM
Project: Webster School
Location: J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3341-01	C-1	SOIL	PESTICIDE Group1	8081B	10/13/25	10/15/25	10/15/25	10/14/25
Q3341-02	C-2	SOIL	PESTICIDE Group1	8081B	10/13/25	10/15/25	10/15/25	10/14/25
Q3341-03	C-3	SOIL	PESTICIDE Group1	8081B	10/13/25	10/15/25	10/15/25	10/14/25



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

Hit Summary Sheet
SW-846

SDG No.:

Order ID:

Client:

Project ID:

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

Total Concentration:



QC SUMMARY

Surrogate Summary

SDG No.: Q3341

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090327.D	PIBLK-PD090327.D	Decachlorobiphen	1	20	17.6	88		57	171
		Tetrachloro-m-xyl	1	20	16.5	83		61	148
		Decachlorobiphen	2	20	17.2	86		57	171
		Tetrachloro-m-xyl	2	20	16.9	85		61	148
I.BLK-PD090594.D	PIBLK-PD090594.D	Decachlorobiphen	1	20	17.1	85		57	171
		Tetrachloro-m-xyl	1	20	17.1	86		61	148
		Decachlorobiphen	2	20	16.5	83		57	171
		Tetrachloro-m-xyl	2	20	18.8	94		61	148
PB170103BL	PB170103BL	Decachlorobiphen	1	20	16.9	85		20	144
		Tetrachloro-m-xyl	1	20	15.9	80		19	148
		Decachlorobiphen	2	20	16.1	81		20	144
		Tetrachloro-m-xyl	2	20	17.6	88		19	148
PB170103BS	PB170103BS	Decachlorobiphen	1	20	21.0	105		20	144
		Tetrachloro-m-xyl	1	20	17.0	85		19	148
		Decachlorobiphen	2	20	20.2	101		20	144
		Tetrachloro-m-xyl	2	20	18.4	92		19	148
I.BLK-PD090607.D	PIBLK-PD090607.D	Decachlorobiphen	1	20	20.8	104		57	171
		Tetrachloro-m-xyl	1	20	18.5	93		61	148
		Decachlorobiphen	2	20	15.7	79		57	171
		Tetrachloro-m-xyl	2	20	21.2	106		61	148
I.BLK-PD090612.D	PIBLK-PD090612.D	Decachlorobiphen	1	20	20.1	100		57	171
		Tetrachloro-m-xyl	1	20	20.4	102		61	148
		Decachlorobiphen	2	20	17.6	88		57	171
		Tetrachloro-m-xyl	2	20	21.6	108		61	148
Q3341-01	C-1	Decachlorobiphen	1	20	18.3	91		20	144
		Tetrachloro-m-xyl	1	20	18.3	91		19	148
		Decachlorobiphen	2	20	14.9	75		20	144
		Tetrachloro-m-xyl	2	20	19.9	100		19	148
Q3341-01MS	C-1MS	Decachlorobiphen	1	20	15.7	78		20	144
		Tetrachloro-m-xyl	1	20	14.7	74		19	148
		Decachlorobiphen	2	20	12.6	63		20	144
		Tetrachloro-m-xyl	2	20	16.8	84		19	148
Q3341-01MSD	C-1MSD	Decachlorobiphen	1	20	15.3	77		20	144
		Tetrachloro-m-xyl	1	20	14.5	72		19	148
		Decachlorobiphen	2	20	12.7	63		20	144
		Tetrachloro-m-xyl	2	20	16.6	83		19	148
Q3341-02	C-2	Decachlorobiphen	1	20	14.2	71		20	144
		Tetrachloro-m-xyl	1	20	15.6	78		19	148
		Decachlorobiphen	2	20	12.0	60		20	144
		Tetrachloro-m-xyl	2	20	17.2	86		19	148
Q3341-03	C-3	Decachlorobiphen	1	20	15.3	77		20	144

Surrogate Summary

SDG No.: Q3341

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3341-03	C-3	Tetrachloro-m-xyl	1	20	17.1	86		19	148
		Decachlorobiphen	2	20	13.2	66		20	144
		Tetrachloro-m-xyl	2	20	18.8	94		19	148
I.BLK-PD090620.D	PIBLK-PD090620.D	Decachlorobiphen	1	20	20.5	103		57	171
		Tetrachloro-m-xyl	1	20	20.5	102		61	148
		Decachlorobiphen	2	20	17.8	89		57	171
		Tetrachloro-m-xyl	2	20	22.0	110		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3341</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Kleinfelder</u>	DataFile :	<u>PD090616.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3341-01MS (Column 1)	Client Sample ID:		C-1MS								
	Aldrin	21.11	0	21.2	ug/kg	100				49	139	
	Dieldrin	21.11	0	20.3	ug/kg	96				47	161	
	4,4'-DDE	21.11	0	19.9	ug/kg	94				55	136	
	4,4'-DDD	21.11	0	20.4	ug/kg	97				47	163	
	4,4'-DDT	21.11	0	18.1	ug/kg	86				51	146	
Lab Sample ID:	Q3341-01MS (Column 2)	Client Sample ID:		C-1MS								
	Aldrin	21.11	0	21.3	ug/kg	101				49	139	
	Dieldrin	21.11	0	20.9	ug/kg	99				47	161	
	4,4'-DDE	21.11	0	20.7	ug/kg	98				55	136	
	4,4'-DDD	21.11	0	19.1	ug/kg	90				47	163	
	4,4'-DDT	21.11	0	18.1	ug/kg	86				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3341</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Kleinfelder</u>	DataFile :	<u>PD090617.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits	
			Result	Result			Qual	RPD	Qual		High	RPD
Lab Sample ID:	Q3341-01MSD (Column 1)	Client Sample ID:		C-1MSD								
	Aldrin	21.07	0	20.6	ug/kg	98		2		49	139	20
	Dieldrin	21.07	0	19.8	ug/kg	94		2		47	161	20
	4,4'-DDE	21.07	0	19.4	ug/kg	92		2		55	136	20
	4,4'-DDD	21.07	0	20.0	ug/kg	95		2		47	163	20
	4,4'-DDT	21.07	0	17.7	ug/kg	84		2		51	146	20
Lab Sample ID:	Q3341-01MSD (Column 2)	Client Sample ID:		C-1MSD								
	Aldrin	21.07	0	20.6	ug/kg	98		3		49	139	20
	Dieldrin	21.07	0	20.3	ug/kg	96		3		47	161	20
	4,4'-DDE	21.07	0	20.1	ug/kg	95		3		55	136	20
	4,4'-DDD	21.07	0	18.7	ug/kg	89		1		47	163	20
	4,4'-DDT	21.07	0	17.7	ug/kg	84		2		51	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3341</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Kleinfelder</u>	Datafile :	<u>PD090599.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170103BS (Column 1)	Aldrin	16.66	17.6	ug/kg	106				82	124		
	Dieldrin	16.66	17.4	ug/kg	104				85	121		
	4,4'-DDE	16.66	17.5	ug/kg	105				81	123		
	4,4'-DDD	16.66	17.6	ug/kg	106				80	131		
	4,4'-DDT	16.66	14.8	ug/kg	89				70	129		
PB170103BS (Column 2)	Aldrin	16.66	18.4	ug/kg	110				82	124		
	Dieldrin	16.66	18.3	ug/kg	110				85	121		
	4,4'-DDE	16.66	18.4	ug/kg	110				81	123		
	4,4'-DDD	16.66	18.1	ug/kg	109				80	131		
	4,4'-DDT	16.66	15.5	ug/kg	93				70	129		

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170103BL

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Lab Sample ID: PB170103BL

Lab File ID: PD090598.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/15/2025

Date Analyzed (1): 10/15/2025

Date Analyzed (2): 10/15/2025

Time Analyzed (1): 12:13

Time Analyzed (2): 12:13

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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
PB170103BS	PB170103BS	PD090599.D	10/15/2025	10/15/2025
C-1	Q3341-01	PD090615.D	10/15/2025	10/15/2025
C-1MS	Q3341-01MS	PD090616.D	10/15/2025	10/15/2025
C-1MSD	Q3341-01MSD	PD090617.D	10/15/2025	10/15/2025
C-2	Q3341-02	PD090618.D	10/15/2025	10/15/2025
C-3	Q3341-03	PD090619.D	10/15/2025	10/15/2025

COMMENTS: _____



SAMPLE DATA



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

Client:	Kleinfelder	Date Collected:	10/13/25
Project:	Webster School	Date Received:	10/14/25
Client Sample ID:	C-1	SDG No.:	Q3341
Lab Sample ID:	Q3341-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	78.9
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Prep Date	10/15/25
		Test:	PESTICIDE Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	0.15	U	1	0.15	2.10	ug/kg	10/15/25 18:49	PB170103
60-57-1	Dieldrin	0.18	U	1	0.18	2.10	ug/kg	10/15/25 18:49	PB170103
72-55-9	4,4-DDE	0.18	U	1	0.18	2.10	ug/kg	10/15/25 18:49	PB170103
72-54-8	4,4-DDD	0.19	U	1	0.19	2.10	ug/kg	10/15/25 18:49	PB170103
50-29-3	4,4-DDT	0.18	U	1	0.18	2.10	ug/kg	10/15/25 18:49	PB170103
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.3			20 - 144	91%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.9			19 - 148	100%	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_D\Data\PD101525\
 Data File : PD090615.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 18:49
 Operator : AR\AJ
 Sample : Q3341-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 C-1

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:44:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.874	59316481	547.4E6	18.249m	19.942m
28) SA Decachlor...	9.066	8.062	88041891	484.7E6	18.247	14.955
Target Compounds						
10) B gamma-Chl...	5.940	5.116	27150549	194.7E6	4.753	4.955m
11) B alpha-Chl...	6.022	5.180	33144440	193.4E6	5.753	5.136m

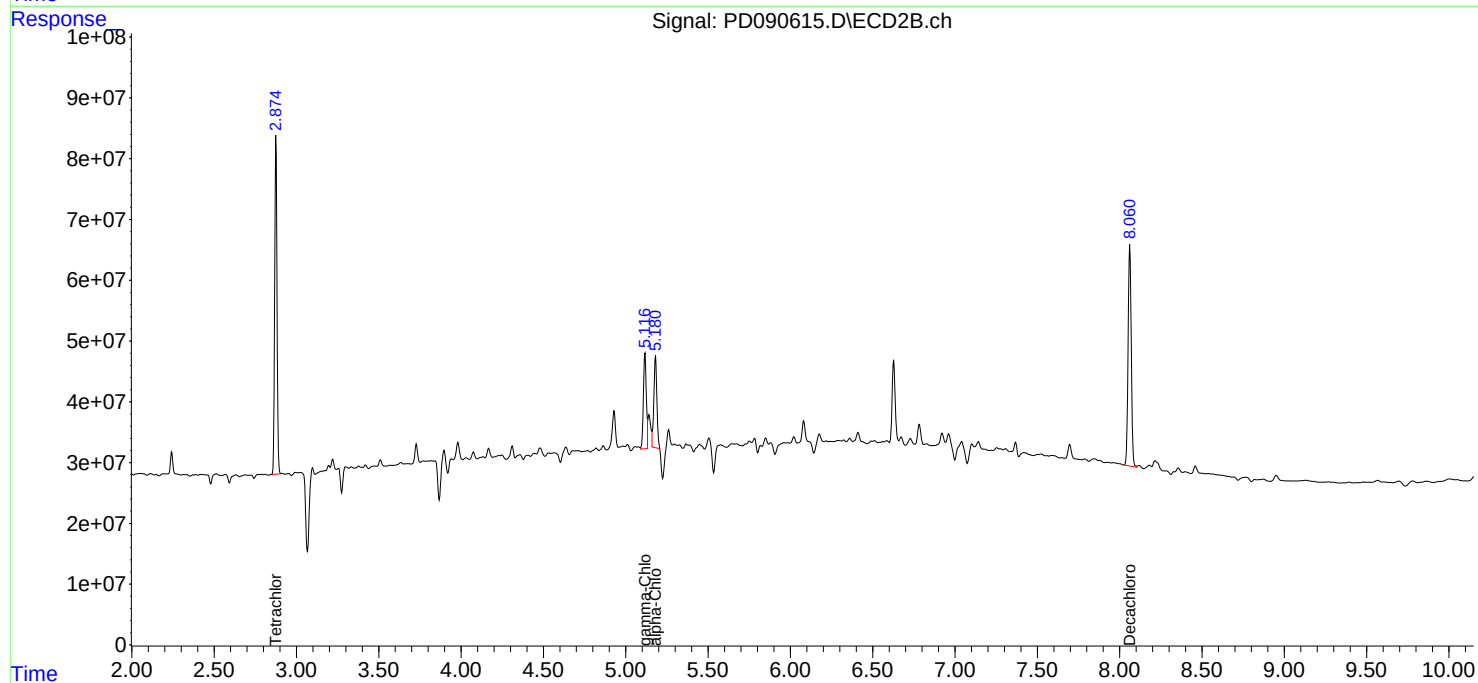
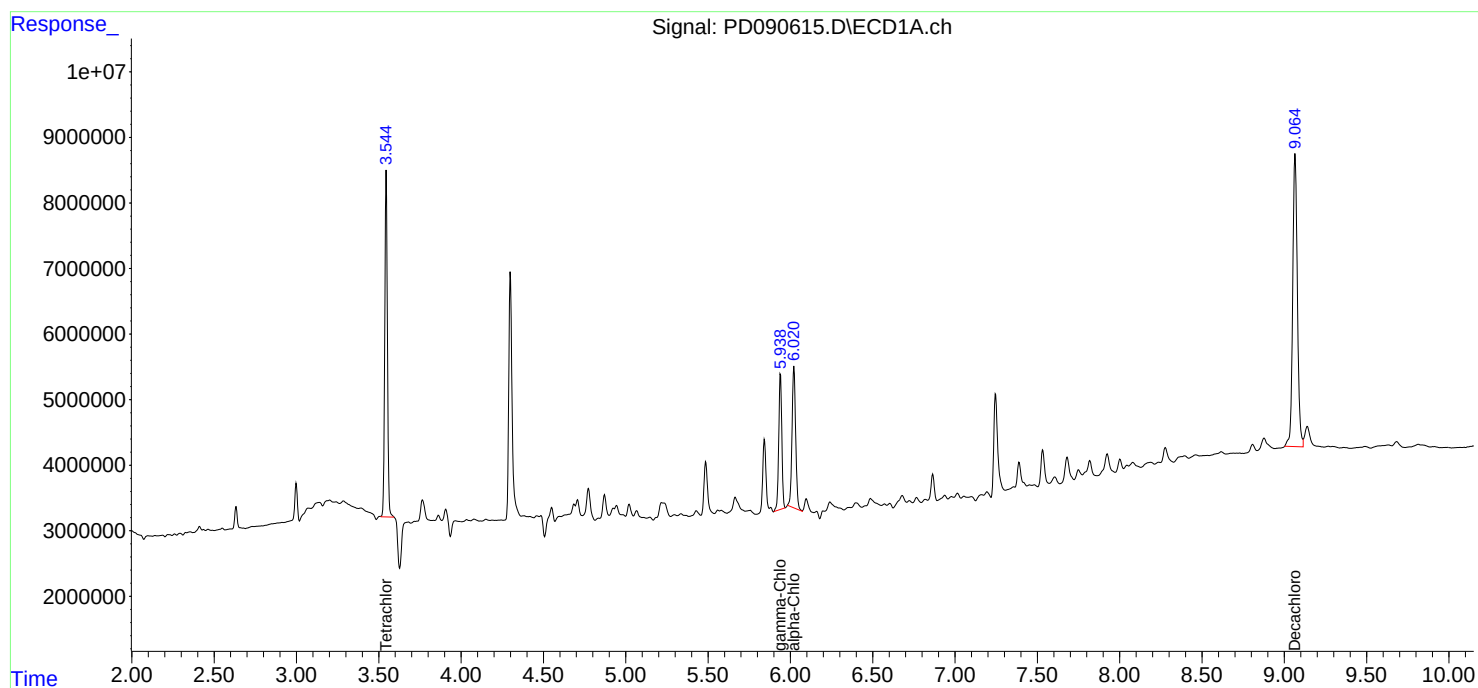
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

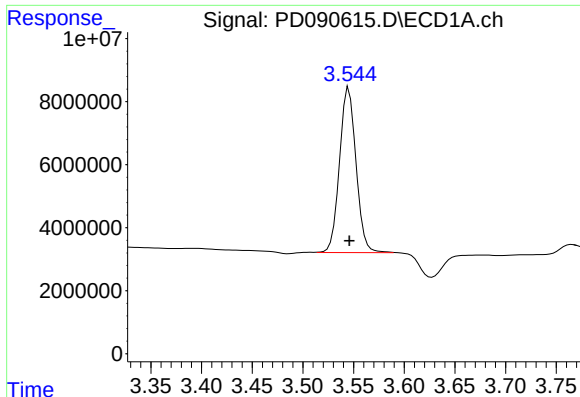
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 18:49
Operator : AR\AJ
Sample : Q3341-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:44:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

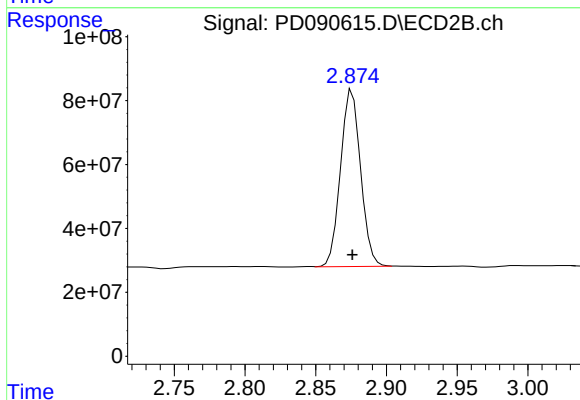




#1 Tetrachloro-m-xylene

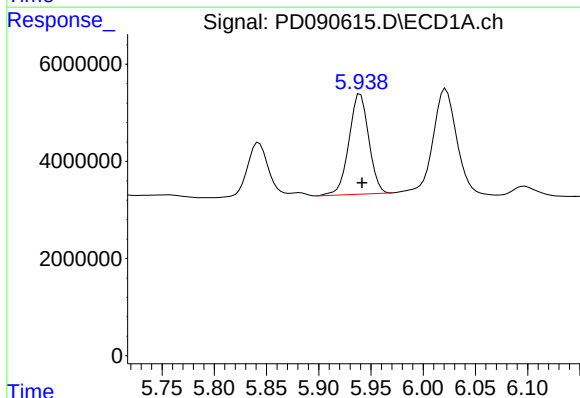
R.T.: 3.544 min
Delta R.T.: -0.002 min
Response: 59316481
Conc: 18.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
C-1



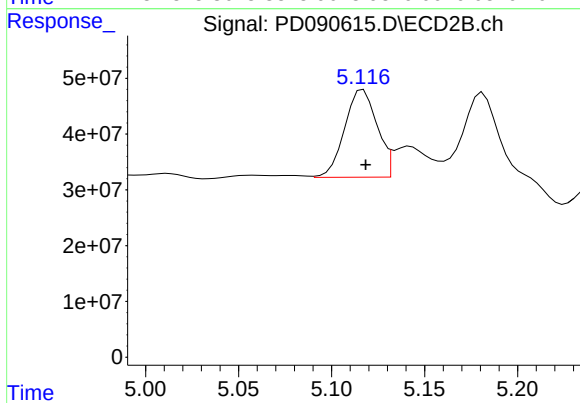
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 547407469
Conc: 19.94 ng/ml m



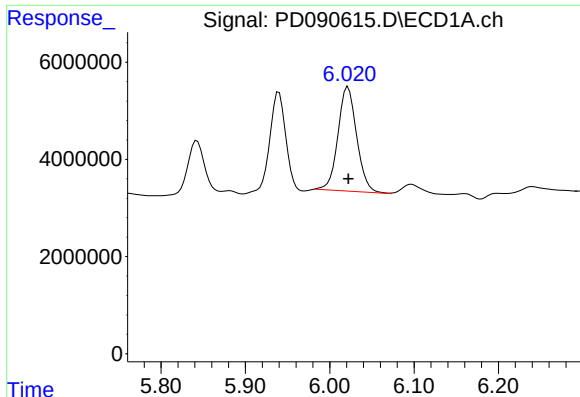
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 27150549
Conc: 4.75 ng/ml



#10 gamma-Chlordane

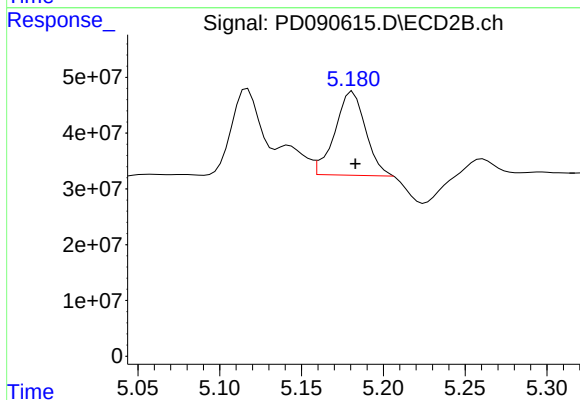
R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 194676147
Conc: 4.96 ng/ml m



#11 alpha-Chlordane

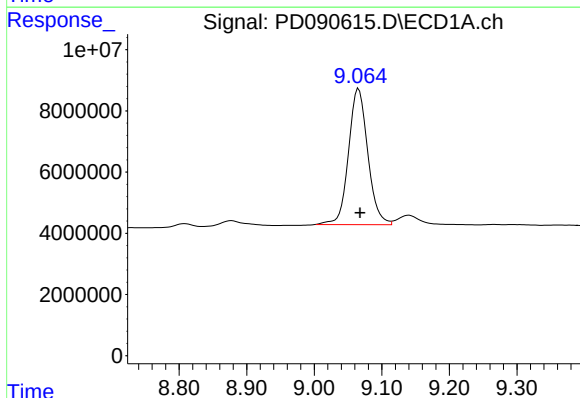
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 33144440
Conc: 5.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
C-1



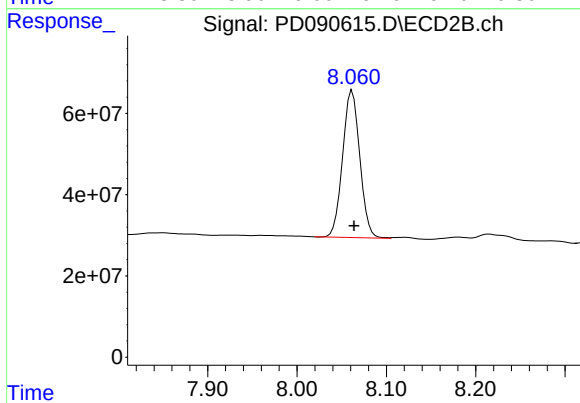
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.003 min
Response: 193446932
Conc: 5.14 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.002 min
Response: 88041891
Conc: 18.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 484748460
Conc: 14.95 ng/ml



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Report of Analysis

Client:	Kleinfelder		Date Collected:	10/13/25
Project:	Webster School		Date Received:	10/14/25
Client Sample ID:	C-2		SDG No.:	Q3341
Lab Sample ID:	Q3341-02		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	82.7
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/15/25	PESTICIDE Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	0.14	U	1	0.14	2.10	ug/kg	10/15/25 19:30	PB170103
60-57-1	Dieldrin	0.17	U	1	0.17	2.10	ug/kg	10/15/25 19:30	PB170103
72-55-9	4,4-DDE	0.17	U	1	0.17	2.10	ug/kg	10/15/25 19:30	PB170103
72-54-8	4,4-DDD	0.18	U	1	0.18	2.10	ug/kg	10/15/25 19:30	PB170103
50-29-3	4,4-DDT	0.17	U	1	0.17	2.10	ug/kg	10/15/25 19:30	PB170103
SURROGATES									
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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_D\Data\PD101525\
 Data File : PD090618.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 19:30
 Operator : AR\AJ
 Sample : Q3341-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 C-2

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:45:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.875	50613839	471.6E6	15.571m	17.181m
28) SA Decachlor...	9.065	8.063	68600136	390.2E6	14.217	12.039
Target Compounds						
10) B gamma-Chl...	5.941	5.117	360.7E6	2246.8E6	63.150	57.189
11) B alpha-Chl...	6.023	5.182	458.1E6	2665.0E6	79.516	70.756

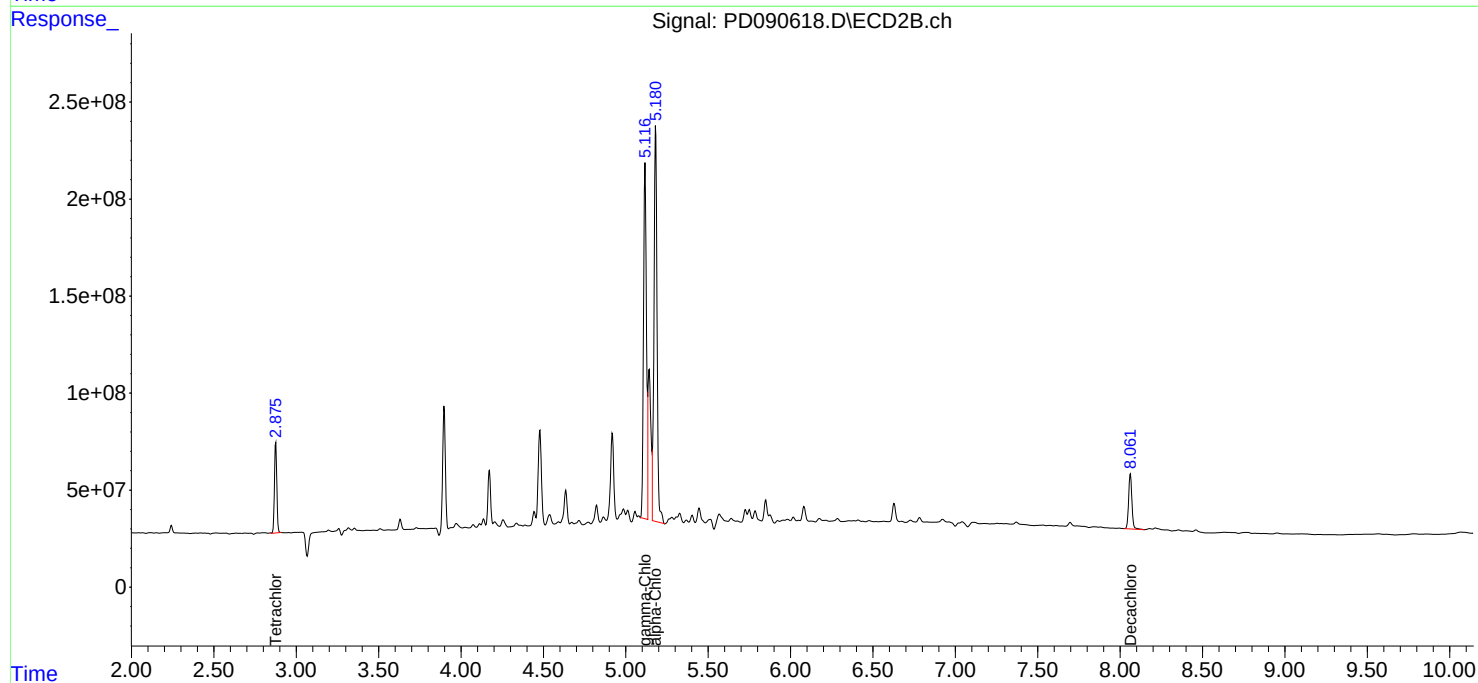
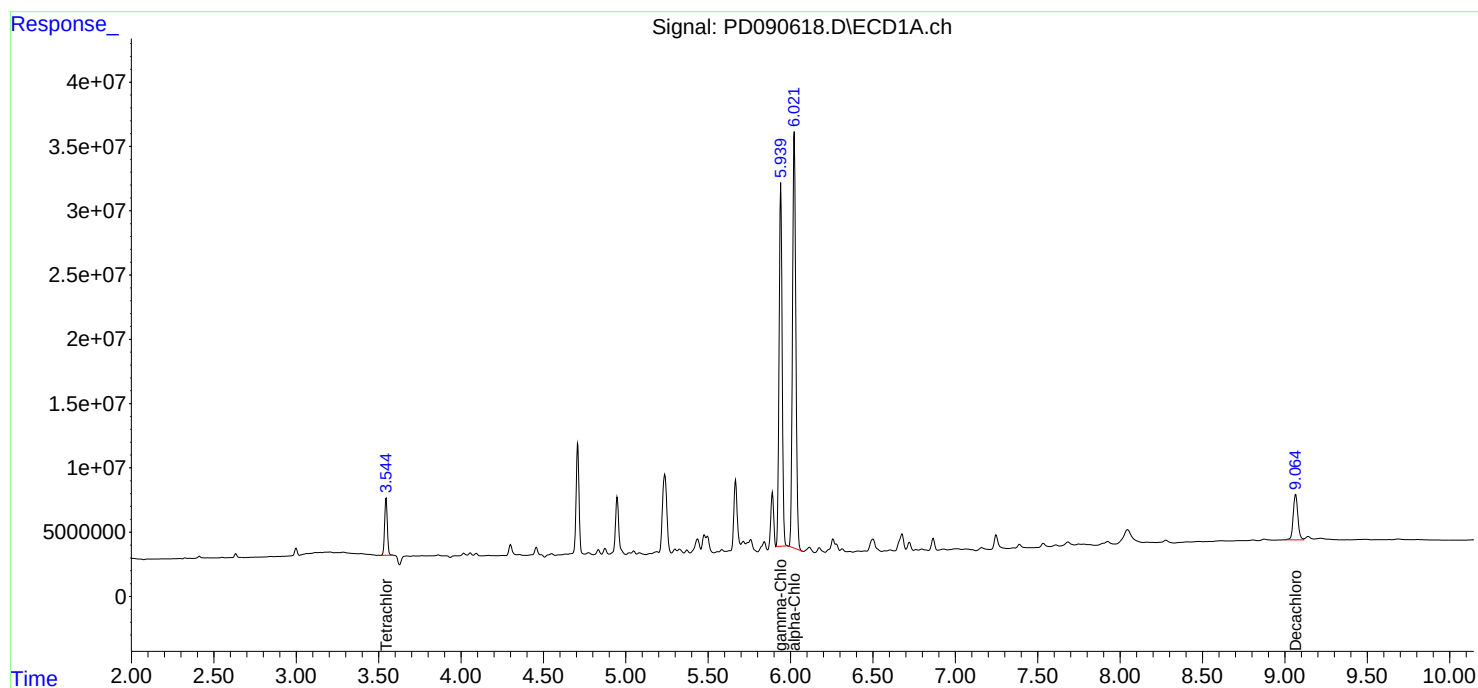
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

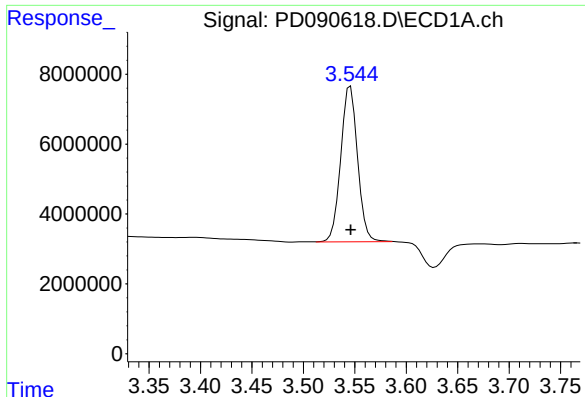
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 19:30
Operator : AR\AJ
Sample : Q3341-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

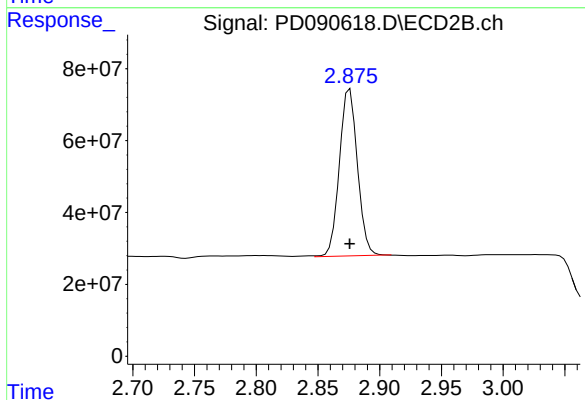




#1 Tetrachloro-m-xylene

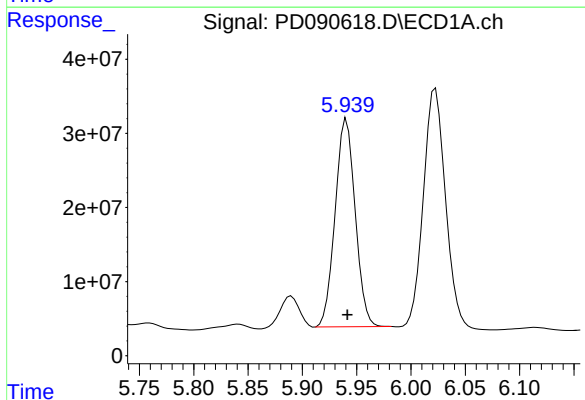
R.T.: 3.544 min
Delta R.T.: -0.002 min
Response: 50613839
Conc: 15.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
C-2



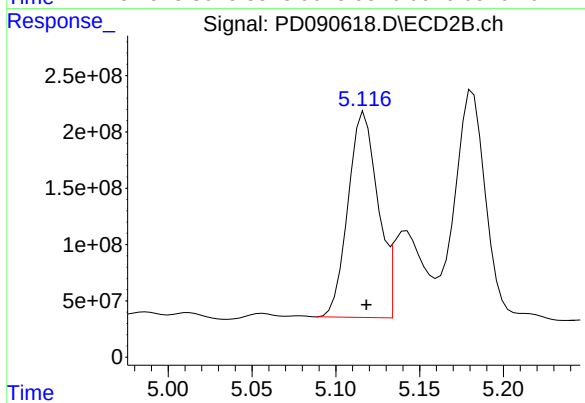
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 471611921
Conc: 17.18 ng/ml m



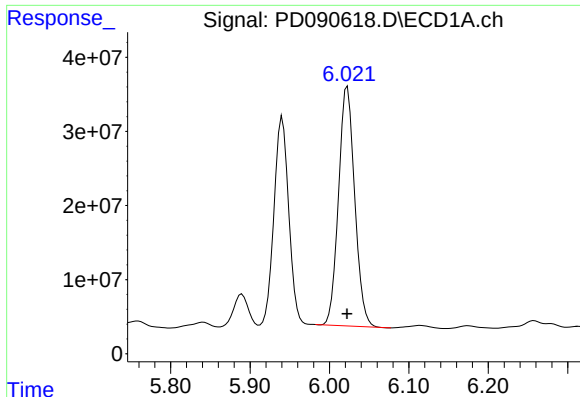
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 360708177
Conc: 63.15 ng/ml



#10 gamma-Chlordane

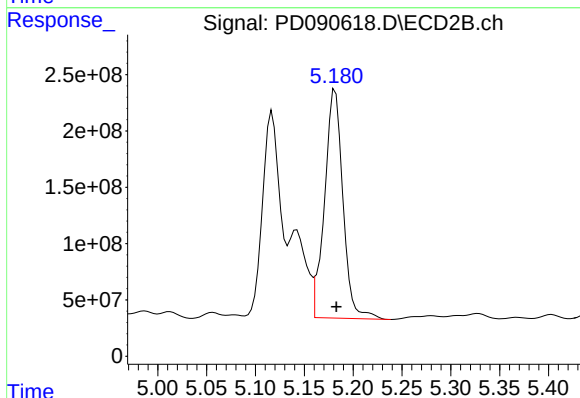
R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 2246754109
Conc: 57.19 ng/ml



#11 alpha-Chlordane

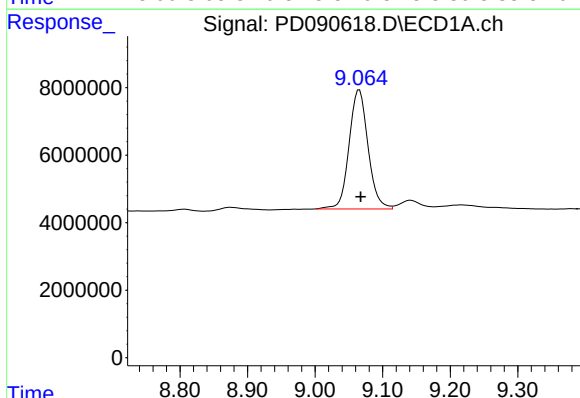
R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 458081389
Conc: 79.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
C-2



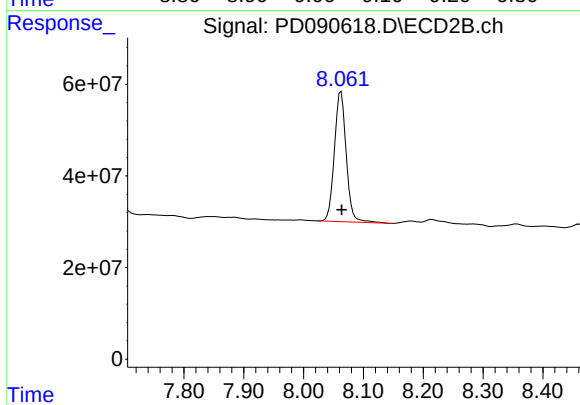
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.001 min
Response: 2665039963
Conc: 70.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.002 min
Response: 68600136
Conc: 14.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 390247569
Conc: 12.04 ng/ml



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Report of Analysis

Client:	Kleinfelder		Date Collected:	10/13/25
Project:	Webster School		Date Received:	10/14/25
Client Sample ID:	C-3		SDG No.:	Q3341
Lab Sample ID:	Q3341-03		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	80.1
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/15/25	PESTICIDE Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	0.15	U	1	0.15	2.10	ug/kg	10/15/25 19:44	PB170103
60-57-1	Dieldrin	0.17	U	1	0.17	2.10	ug/kg	10/15/25 19:44	PB170103
72-55-9	4,4-DDE	0.17	U	1	0.17	2.10	ug/kg	10/15/25 19:44	PB170103
72-54-8	4,4-DDD	0.19	U	1	0.19	2.10	ug/kg	10/15/25 19:44	PB170103
50-29-3	4,4-DDT	0.17	U	1	0.17	2.10	ug/kg	10/15/25 19:44	PB170103
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.3			20 - 144	77%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.8			19 - 148	94%	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_D\Data\PD101525\
Data File : PD090619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 19:44
Operator : AR\AJ
Sample : Q3341-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:45:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	55622733	515.9E6	17.112m	18.796m
28)	SA Decachlor...	9.065	8.062	73881496	428.8E6	15.312	13.228

Target Compounds

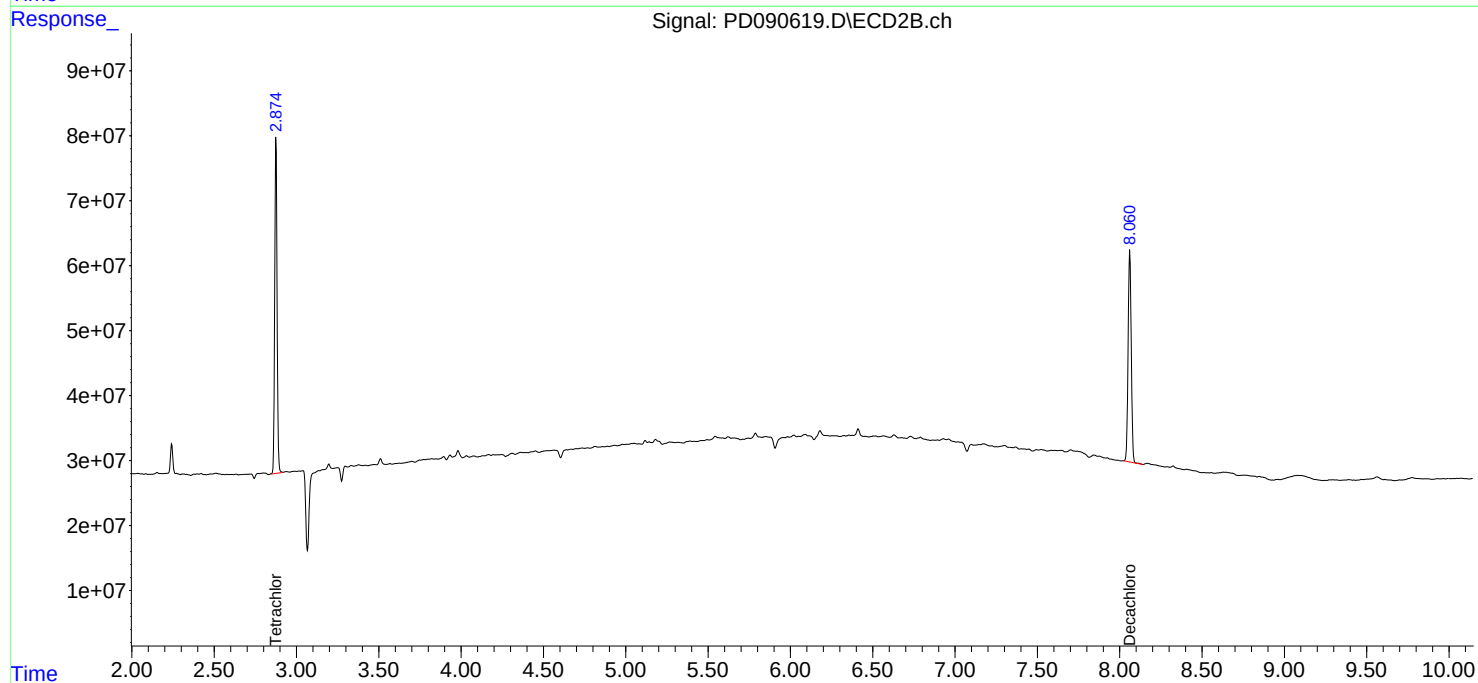
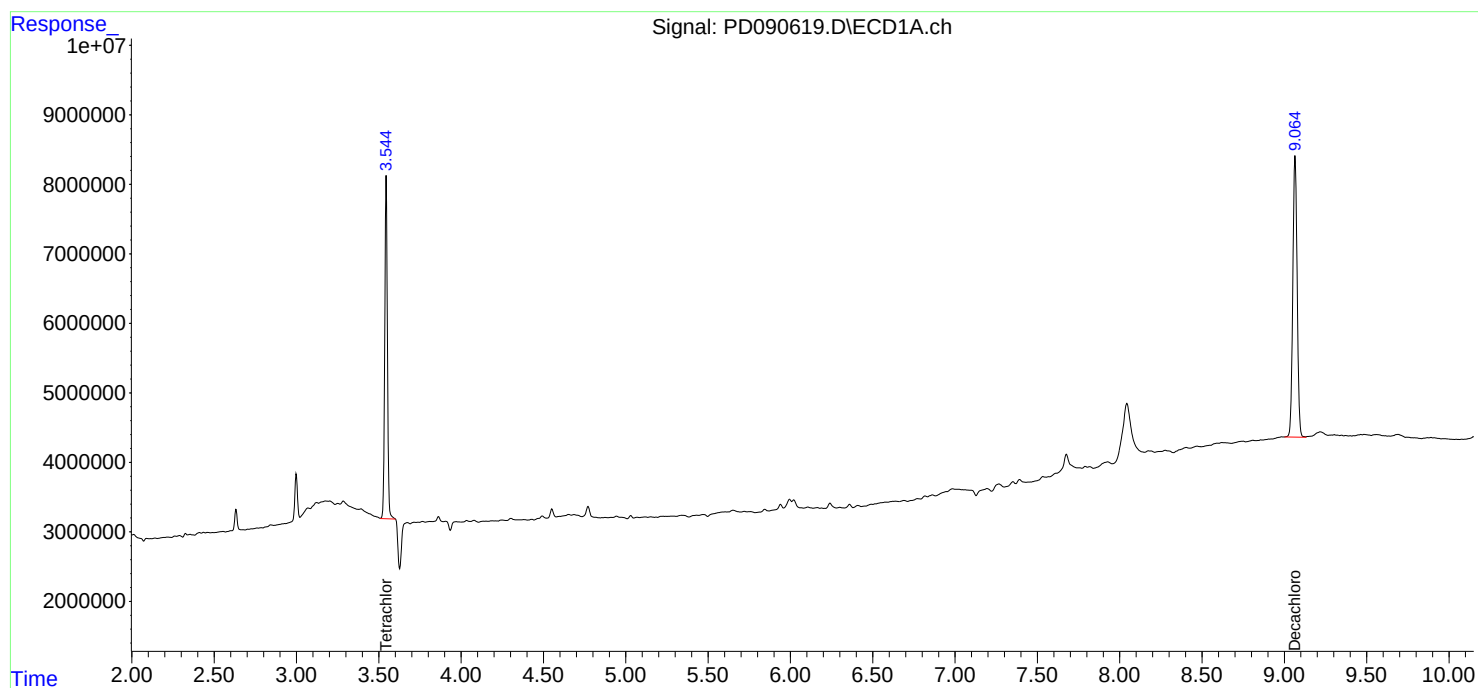
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

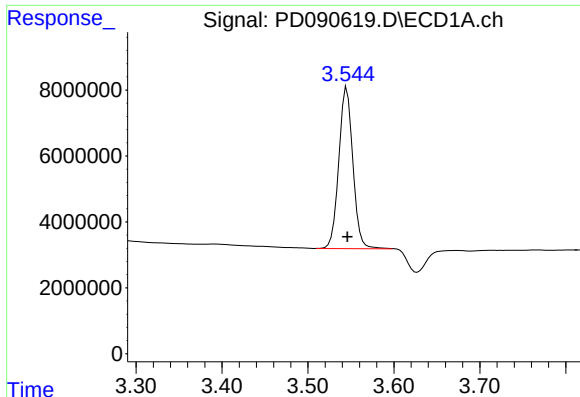
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 19:44
Operator : AR\AJ
Sample : Q3341-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:45:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

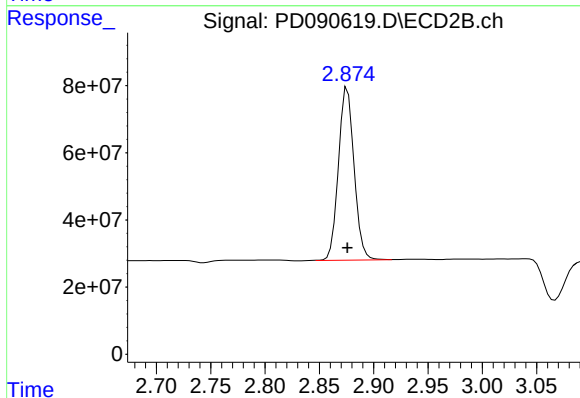




#1 Tetrachloro-m-xylene

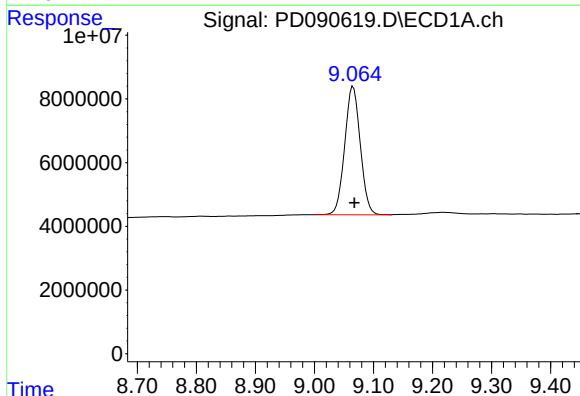
R.T.: 3.544 min
Delta R.T.: -0.002 min
Response: 55622733
Conc: 17.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
C-3



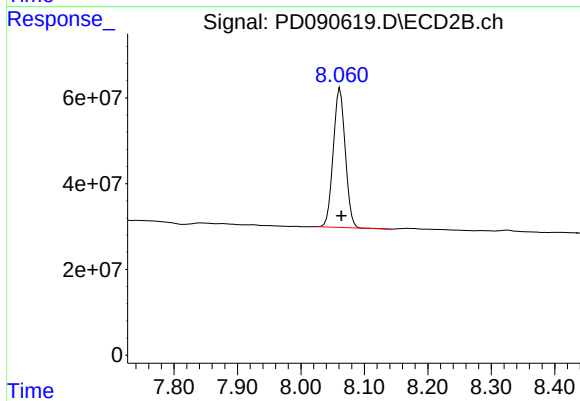
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 515942909
Conc: 18.80 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.002 min
Response: 73881496
Conc: 15.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 428770203
Conc: 13.23 ng/ml



CALIBRATION SUMMARY

Calibration Times: **10:30** **11:24**

LAB FILE ID:	RT 100 =	<u>PD090330.D</u>	RT 075 =	<u>PD090331.D</u>
	RT 050 =	PD090332.D	RT 025 =	PD090333.D
			RT 005 =	PD090334.D

[illegible]

Calibration Times: **10:30** **11:24**

LAB FILE ID:	RT 100 =	<u>PD090330.D</u>	RT 075 =	<u>PD090331.D</u>
	RT 050 =	PD090332.D	RT 025 =	PD090333.D
			RT 005 =	PD090334.D

[illegible]



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Instrument ID: ECD_D

Calibration Date(s): 09/18/2025 09/18/2025

Calibration Times: 10:30 11:24

GC Column: ZB-MR1

ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4207140000	4130580000	4014010000	3964590000	4172770000	4097820000	3
4,4'-DDE	5374140000	5287370000	5128730000	5024430000	5222910000	5207510000	3
4,4'-DDT	4574330000	4523620000	4372800000	4315380000	4476180000	4452460000	2
Aldrin	6538430000	6445600000	6233910000	6135550000	6396240000	6349940000	3
Decachlorobiphenyl	4402260000	4491650000	4568910000	4877590000	5784880000	4825060000	12
Dieldrin	5878480000	5813890000	5658660000	5591850000	5880560000	5764690000	2
Tetrachloro-m-xylene	3132360000	3130620000	3109950000	3314170000	3565160000	3250450000	6



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Instrument ID: ECD_D

Calibration Date(s): 09/18/2025 09/18/2025

Calibration Times: 10:30 11:24

GC Column: ZB-MR2

ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	30304900000	30692500000	31009200000	32903500000	37228900000	32427800000	9
4,4'-DDE	36124200000	36272100000	36686200000	38763000000	43549500000	38279000000	8
4,4'-DDT	33099900000	33102400000	33251000000	34736500000	37705500000	34379100000	6
Aldrin	37755900000	38014300000	38272600000	40300100000	45332100000	39935000000	8
Decachlorobiphenyl	30416300000	30281700000	30308400000	32239300000	38828000000	32414700000	11
Dieldrin	36291200000	36723400000	37358800000	39527500000	44828700000	38945900000	9
Tetrachloro-m-xylene	25734100000	25856000000	26010100000	27671900000	31977700000	27449900000	10



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Instrument ID: _____

Date(s) Analyzed: _____

GC Column: _____

ID: _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090330.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:30
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:14:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:54:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	313.2E6	2573.4E6	100.721	98.939
28)	SA Decachlor...	9.066	8.063	440.2E6	3041.6E6	96.353	100.356
Target Compounds							
2)	A alpha-BHC	3.995	3.388	753.2E6	4198.4E6	108.692	100.255
3)	MA gamma-BHC...	4.326	3.725	699.9E6	3901.1E6	107.277	100.303
4)	MA Heptachlor	4.925	4.077	677.2E6	3802.1E6	104.413	97.774
5)	MB Aldrin	5.266	4.363	653.8E6	3775.6E6	104.885	98.650
6)	B beta-BHC	4.513	4.020	248.2E6	1610.4E6	100.737	97.893
7)	B delta-BHC	4.761	4.257	690.1E6	3947.8E6	107.205	99.629
8)	B Heptachlo...	5.686	4.866	568.7E6	3365.8E6	103.008	96.492
9)	A Endosulfan I	6.070	5.241	535.6E6	3192.6E6	102.075	96.507
10)	B gamma-Chl...	5.941	5.119	581.4E6	3713.6E6	104.097	98.943
11)	B alpha-Chl...	6.022	5.184	577.5E6	3549.7E6	103.048	98.646
12)	B 4,4'-DDE	6.192	5.368	537.4E6	3612.4E6	104.785	98.468
13)	MA Dieldrin	6.342	5.506	587.8E6	3629.1E6	103.885	97.142
14)	MA Endrin	6.570	5.783	499.6E6	3276.5E6	104.285	96.306
15)	B Endosulfa...	6.782	6.074	486.4E6	3116.2E6	102.013	96.527
16)	A 4,4'-DDD	6.701	5.923	420.7E6	3030.5E6	104.811	97.729
17)	MA 4,4'-DDT	7.017	6.177	457.4E6	3310.0E6	104.609	99.546
18)	B Endrin al...	6.911	6.252	327.8E6	2165.3E6	99.079	95.545
19)	B Endosulfa...	7.145	6.476	448.8E6	3012.5E6	100.833	96.776
20)	A Methoxychlor	7.489	6.747	223.8E6	1580.6E6	99.333	95.358
21)	B Endrin ke...	7.626	6.985	489.1E6	3302.6E6	102.013	96.127
22)	Mirex	8.109	7.178	339.1E6	2515.9E6	97.222	97.045

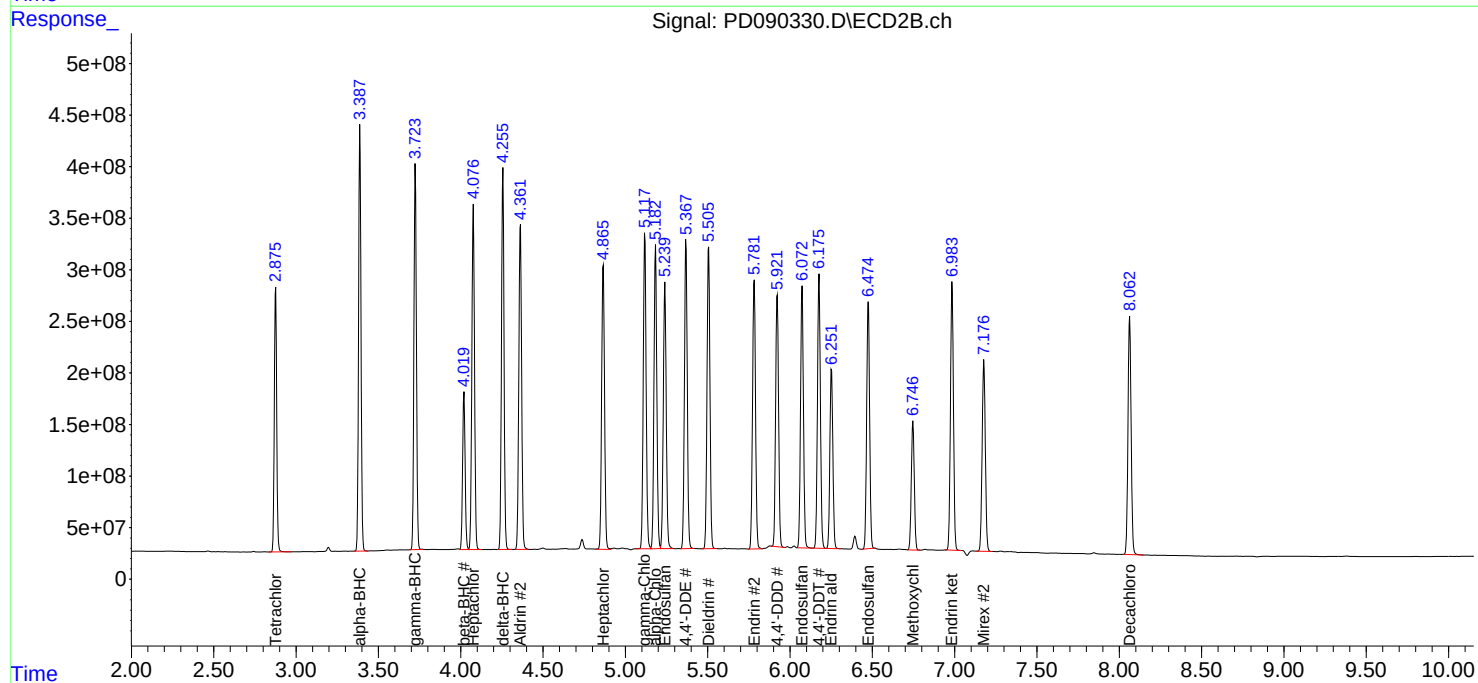
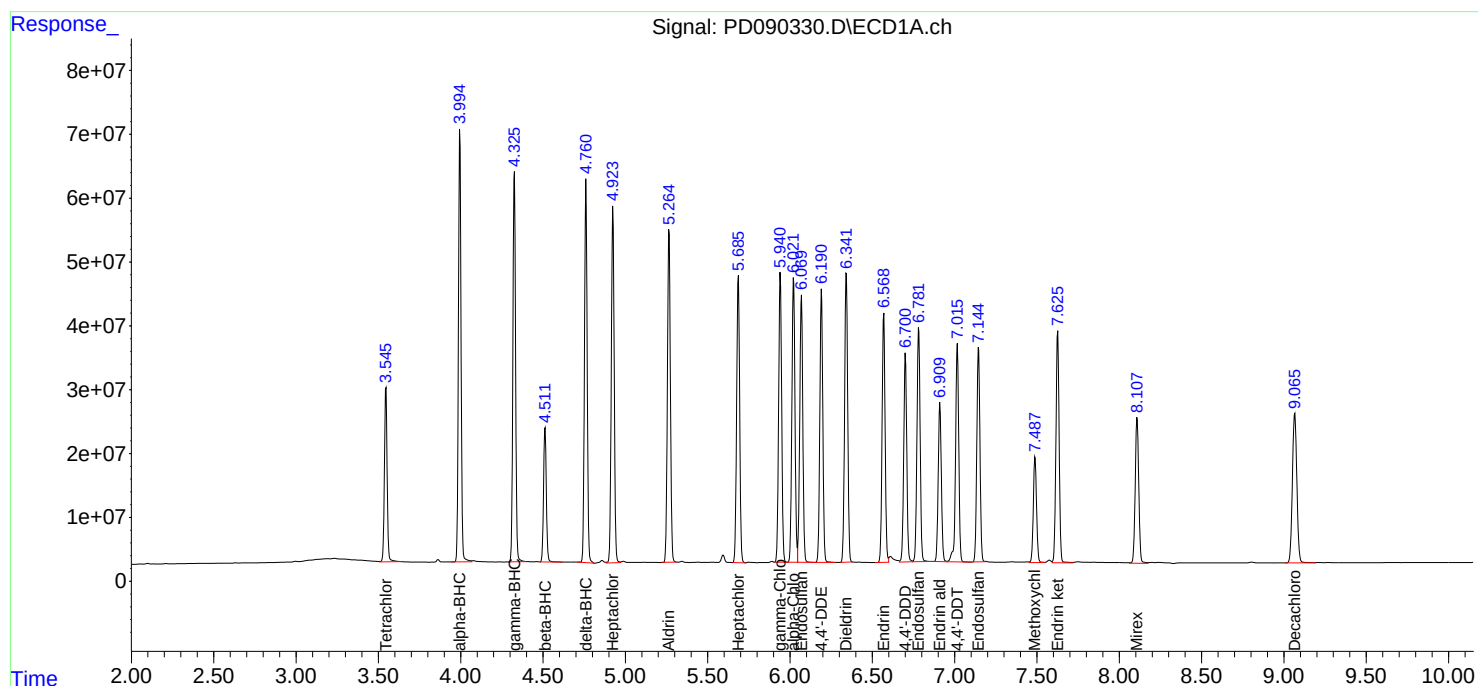
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:30
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090331.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:43
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC075

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:14:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:54:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	234.8E6	1939.2E6	75.498	74.556
2)	SA Decachlor...	9.067	8.063	336.9E6	2271.1E6	73.732	74.934
Target Compounds							
2)	A alpha-BHC	3.996	3.387	548.9E6	3157.8E6	79.212	75.406
3)	MA gamma-BHC...	4.326	3.724	512.6E6	2926.6E6	78.573	75.246
4)	MA Heptachlor	4.925	4.076	503.5E6	2889.7E6	77.620	74.309
5)	MB Aldrin	5.266	4.362	483.4E6	2851.1E6	77.547	74.494
6)	B beta-BHC	4.513	4.020	186.2E6	1219.9E6	75.559	74.151
7)	B delta-BHC	4.761	4.256	505.8E6	2968.1E6	78.572	74.906
8)	B Heptachlo...	5.686	4.866	422.8E6	2560.1E6	76.582	73.394
9)	A Endosulfan I	6.070	5.240	399.8E6	2430.6E6	76.189	73.473
10)	B gamma-Chl...	5.941	5.119	431.4E6	2800.3E6	77.251	74.610
11)	B alpha-Chl...	6.023	5.183	429.3E6	2674.9E6	76.606	74.337
12)	B 4,4'-DDE	6.191	5.368	396.6E6	2720.4E6	77.320	74.153
13)	MA Dieldrin	6.343	5.505	436.0E6	2754.3E6	77.057	73.724
14)	MA Endrin	6.570	5.782	369.7E6	2504.8E6	77.174	73.626
15)	B Endosulfa...	6.782	6.073	360.7E6	2368.6E6	75.662	73.368
16)	A 4,4'-DDD	6.701	5.922	309.8E6	2301.9E6	77.178	74.234
17)	MA 4,4'-DDT	7.017	6.176	339.3E6	2482.7E6	77.587	74.665
18)	B Endrin al...	6.911	6.252	249.1E6	1656.9E6	75.274	73.112
19)	B Endosulfa...	7.146	6.475	337.9E6	2291.5E6	75.907	73.614
20)	A Methoxychlor	7.490	6.746	169.8E6	1211.4E6	75.345	73.089
21)	B Endrin ke...	7.626	6.984	367.3E6	2512.0E6	76.614	73.116
22)	Mirex	8.109	7.177	259.4E6	1905.4E6	74.356	73.496

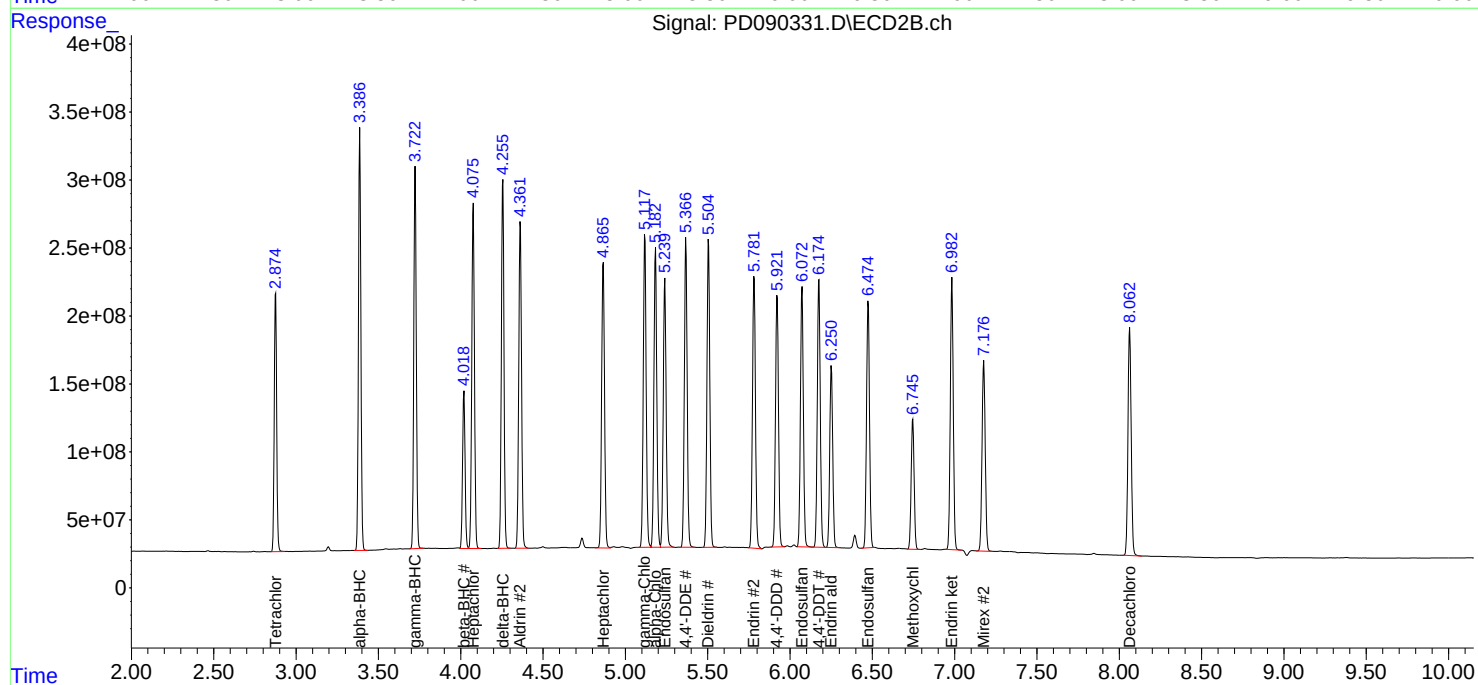
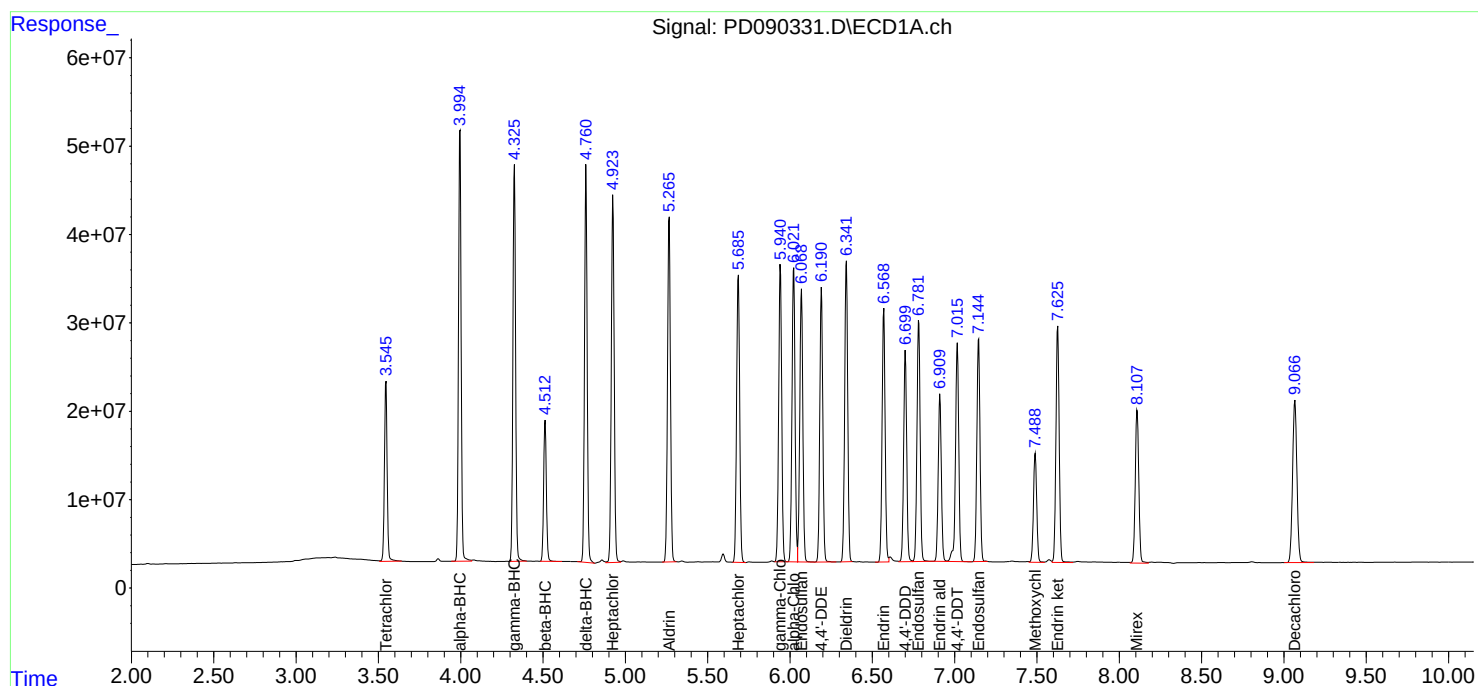
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:43
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090332.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:57
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:14:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:54:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	155.5E6	1300.5E6	50.000	50.000
28)	SA Decachlor...	9.068	8.064	228.4E6	1515.4E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.995	3.388	346.5E6	2093.9E6	50.000	50.000
3)	MA gamma-BHC...	4.326	3.724	326.2E6	1944.7E6	50.000	50.000
4)	MA Heptachlor	4.925	4.076	324.3E6	1944.4E6	50.000	50.000
5)	MB Aldrin	5.266	4.362	311.7E6	1913.6E6	50.000	50.000
6)	B beta-BHC	4.513	4.020	123.2E6	822.5E6	50.000	50.000
7)	B delta-BHC	4.761	4.256	321.8E6	1981.3E6	50.000	50.000
8)	B Heptachlo...	5.686	4.866	276.0E6	1744.1E6	50.000	50.000
9)	A Endosulfan I	6.070	5.240	262.3E6	1654.1E6	50.000	50.000
10)	B gamma-Chl...	5.942	5.118	279.2E6	1876.6E6	50.000	50.000
11)	B alpha-Chl...	6.022	5.183	280.2E6	1799.2E6	50.000	50.000
12)	B 4,4'-DDE	6.192	5.368	256.4E6	1834.3E6	50.000	50.000
13)	MA Dieldrin	6.343	5.506	282.9E6	1867.9E6	50.000	50.000
14)	MA Endrin	6.569	5.782	239.5E6	1701.1E6	50.000	50.000
15)	B Endosulfa...	6.782	6.073	238.4E6	1614.2E6	50.000	50.000
16)	A 4,4'-DDD	6.701	5.922	200.7E6	1550.5E6	50.000	50.000
17)	MA 4,4'-DDT	7.017	6.176	218.6E6	1662.5E6	50.000	50.000
18)	B Endrin al...	6.911	6.252	165.4E6	1133.2E6	50.000	50.000
19)	B Endosulfa...	7.146	6.475	222.6E6	1556.4E6	50.000	50.000
20)	A Methoxychlor	7.490	6.746	112.7E6	828.7E6	50.000	50.000
21)	B Endrin ke...	7.627	6.984	239.7E6	1717.8E6	50.000	50.000
22)	Mirex	8.109	7.177	174.4E6	1296.3E6	50.000	50.000

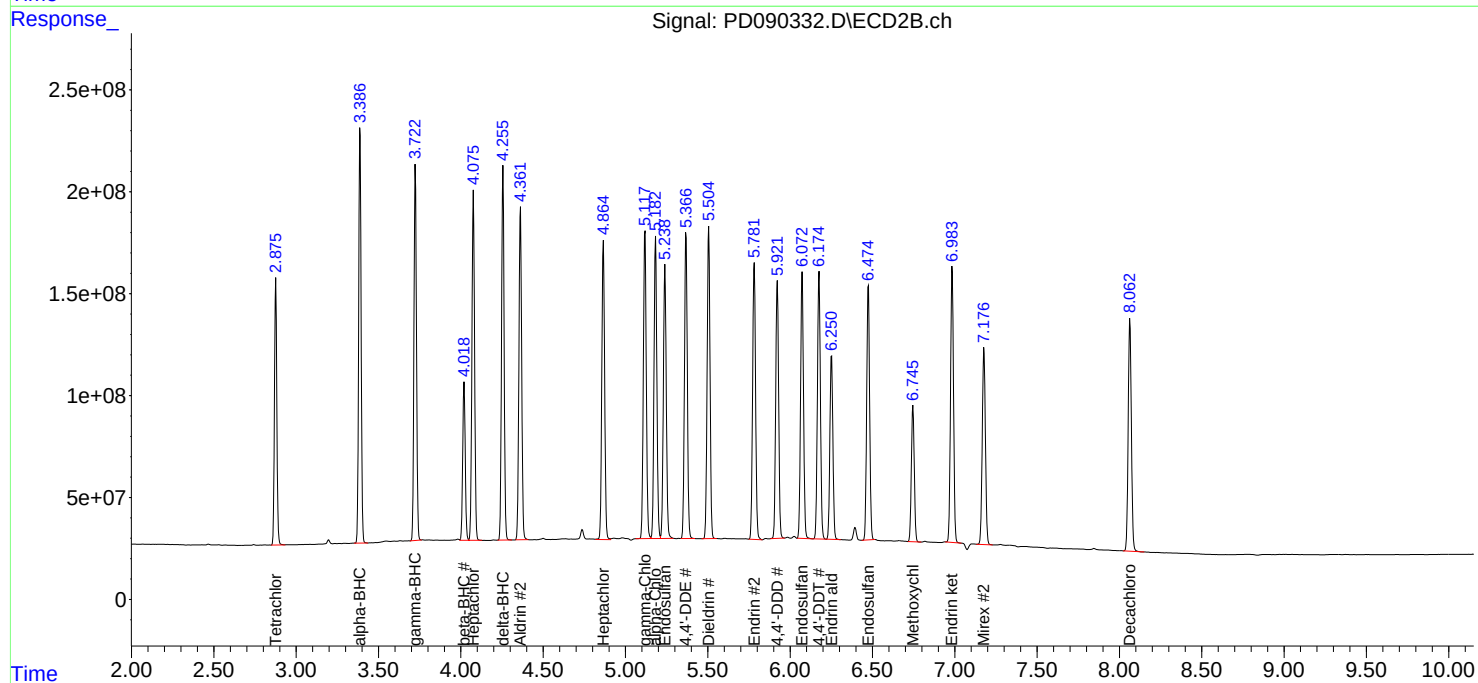
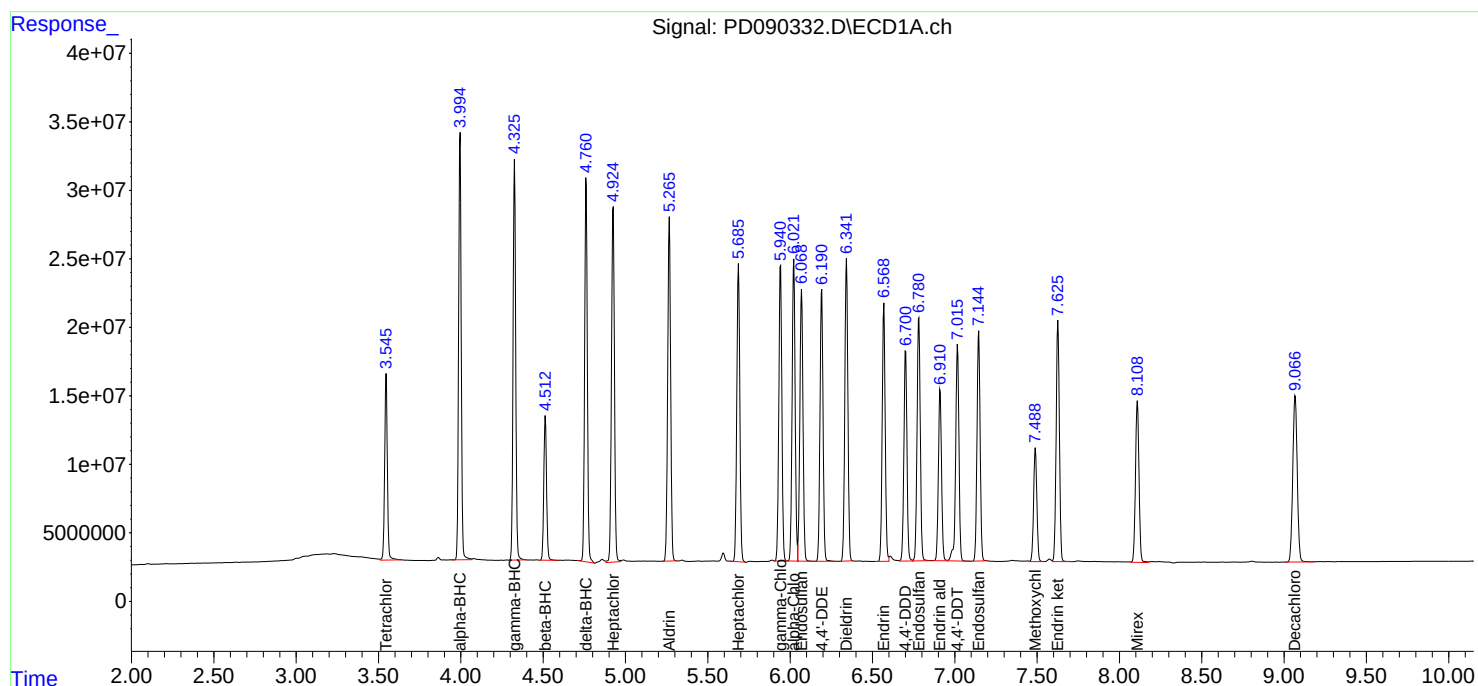
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:57
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090333.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 11:11
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:14:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:54:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	82854234	691.8E6	26.642	26.597
2)	SA Decachlor...	9.067	8.064	121.9E6	806.0E6	26.689	26.593
Target Compounds							
2)	A alpha-BHC	3.996	3.388	166.5E6	1093.8E6	24.032	26.119
3)	MA gamma-BHC...	4.326	3.724	158.3E6	1016.2E6	24.266	26.128
4)	MA Heptachlor	4.925	4.077	161.1E6	1028.9E6	24.830	26.459
5)	MB Aldrin	5.266	4.363	153.4E6	1007.5E6	24.606	26.324
6)	B beta-BHC	4.513	4.020	64059316	438.0E6	25.997	26.626
7)	B delta-BHC	4.762	4.257	154.9E6	1031.3E6	24.067	26.027
8)	B Heptachlo...	5.686	4.866	138.7E6	930.1E6	25.131	26.664
9)	A Endosulfan I	6.070	5.241	132.4E6	881.0E6	25.235	26.632
10)	B gamma-Chl...	5.942	5.119	138.8E6	984.2E6	24.845	26.222
11)	B alpha-Chl...	6.023	5.183	140.5E6	948.1E6	25.069	26.349
12)	B 4,4'-DDE	6.192	5.368	125.6E6	969.1E6	24.492	26.415
13)	MA Dieldrin	6.343	5.506	139.8E6	988.2E6	24.705	26.451
14)	MA Endrin	6.570	5.782	118.3E6	936.3E6	24.696	27.520
15)	B Endosulfa...	6.782	6.074	118.3E6	856.7E6	24.811	26.538
16)	A 4,4'-DDD	6.702	5.922	99114690	822.6E6	24.692	26.527
17)	MA 4,4'-DDT	7.017	6.176	107.9E6	868.4E6	24.672	26.117
18)	B Endrin al...	6.912	6.252	84815631	597.7E6	25.635	26.373
19)	B Endosulfa...	7.146	6.476	113.5E6	829.7E6	25.489	26.654
20)	A Methoxychlor	7.490	6.747	58886348	447.5E6	26.132	26.998
21)	B Endrin ke...	7.627	6.985	121.6E6	920.0E6	25.368	26.778
22)	Mirex	8.110	7.178	93886990	701.1E6	26.915	27.043

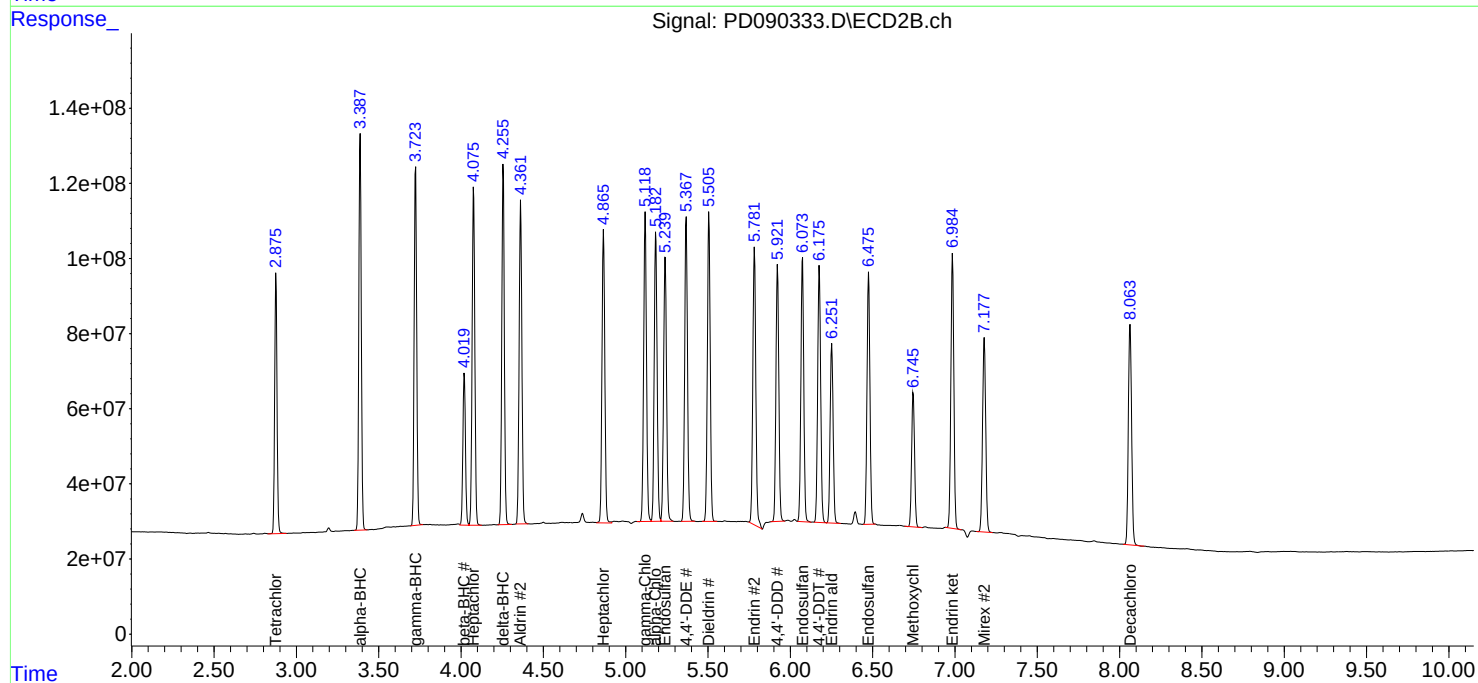
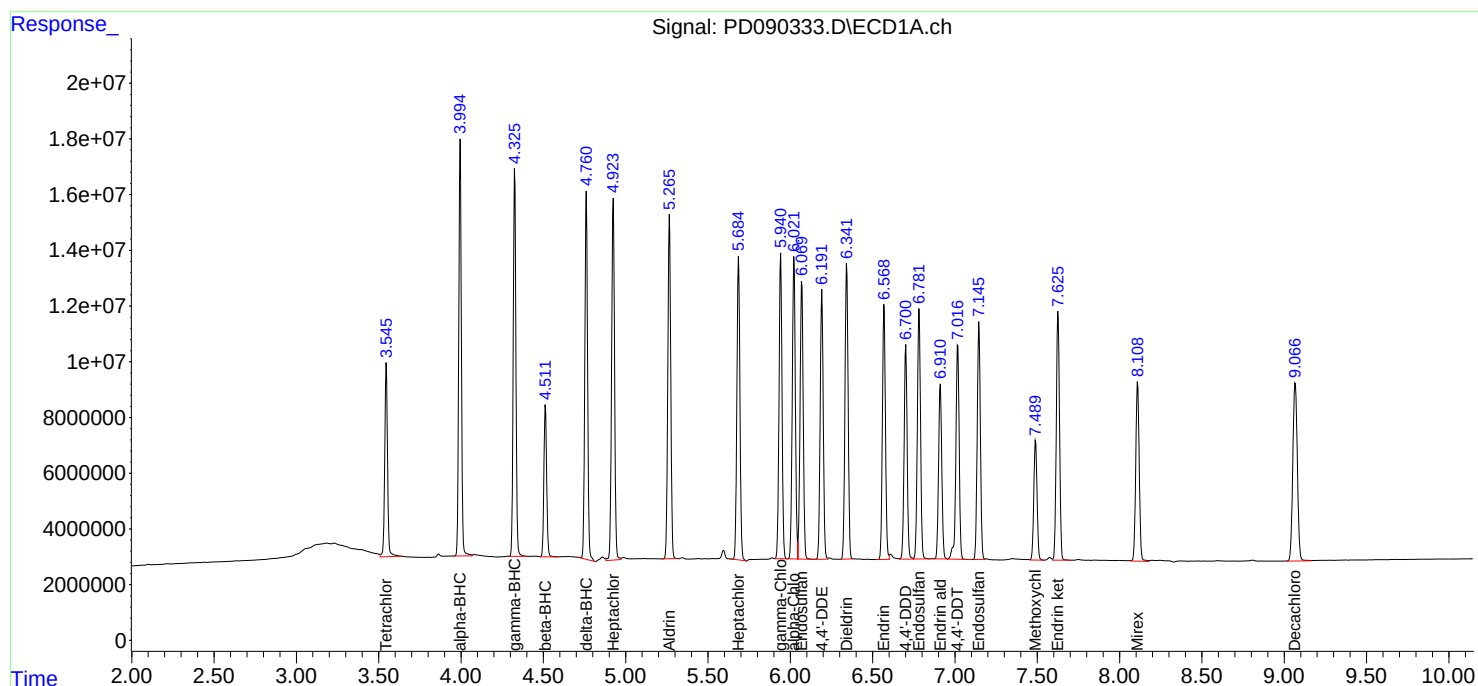
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:11
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090334.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 11:24
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/19/2025
 Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:14:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:54:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.876	17825803	159.9E6	5.732m	6.147
28) SA Decachlor...	9.067	8.064	28924383	194.1E6	6.331	6.405
Target Compounds						
2) A alpha-BHC	3.995	3.388	32409405	246.0E6	4.677	5.874 #
3) MA gamma-BHC...	4.326	3.724	31965550	230.5E6	4.899	5.927
4) MA Heptachlor	4.923	4.076	33247136	235.0E6	5.126m	6.042
5) MB Aldrin	5.266	4.362	31981202	226.7E6	5.130	5.922
6) B beta-BHC	4.513	4.020	14541568	101.7E6	5.901	6.181
7) B delta-BHC	4.760	4.256	30051030	232.7E6	4.669m	5.873 #
8) B Heptachlo...	5.686	4.866	30902364	222.2E6	5.598	6.371
9) A Endosulfan I	6.070	5.240	28890370	201.8E6	5.506	6.101
10) B gamma-Chl...	5.941	5.119	29291567	225.3E6	5.245	6.002
11) B alpha-Chl...	6.022	5.183	30398915	216.3E6	5.424	6.010
12) B 4,4'-DDE	6.191	5.367	26114536	217.7E6	5.092	5.935m
13) MA Dieldrin	6.342	5.505	29402820	224.1E6	5.196	6.000
14) MA Endrin	6.569	5.781	25102642	207.6E6	5.240	6.103m
15) B Endosulfa...	6.782	6.074	26078573	197.3E6	5.470	6.111
16) A 4,4'-DDD	6.701	5.922	20863834	186.1E6	5.198	6.003
17) MA 4,4'-DDT	7.016	6.176	22380902	188.5E6	5.118	5.670
18) B Endrin al...	6.911	6.252	19263706	137.1E6	5.822	6.049
19) B Endosulfa...	7.145	6.475	25098674	192.3E6	5.639	6.177
20) A Methoxychlor	7.489	6.747	13357437	102.8E6	5.928	6.205
21) B Endrin ke...	7.627	6.985	26444173	214.2E6	5.516	6.234
22) Mirex	8.110	7.178	22153300	167.5E6	6.351	6.460

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:24
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

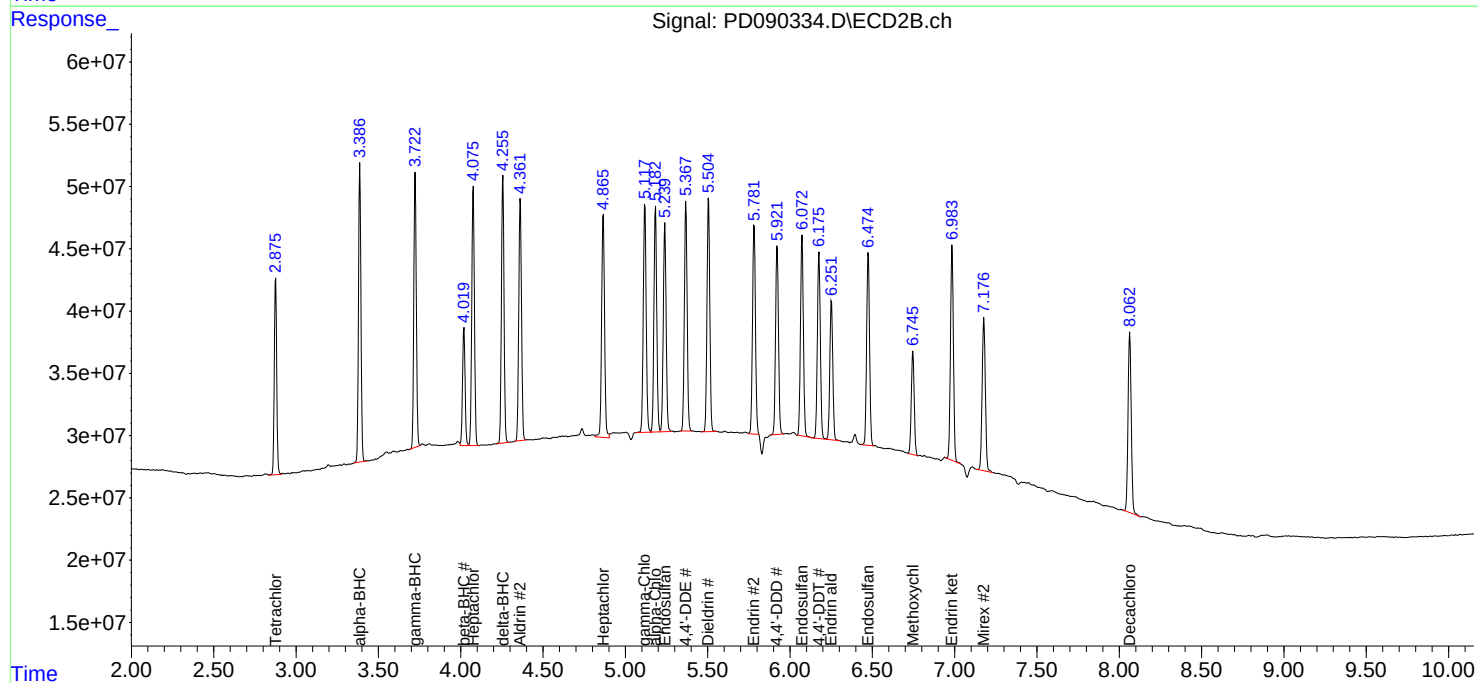
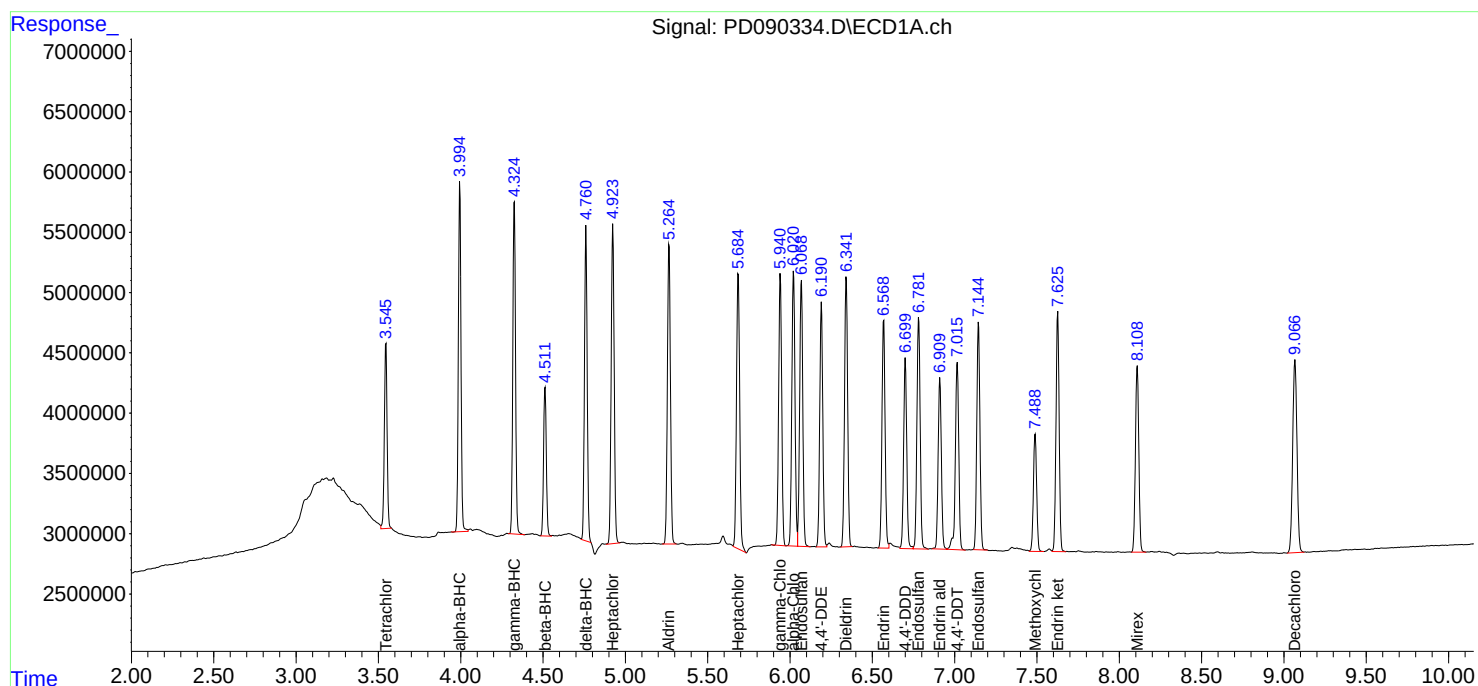
APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090337.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 12:05
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:32:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:30:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	131.5E6	1423.2E6	50.000	50.000
28)	SA Decachlor...	9.067	8.064	198.1E6	1343.5E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.710	3.900	102.3E6	585.9E6	500.000	500.000
24)	Chlordane-2	5.237	4.481	102.7E6	605.6E6	500.000	500.000
25)	Chlordane-3	5.942	5.120	412.5E6	1831.3E6	500.000	500.000
26)	Chlordane-4	6.027	5.184	498.7E6	1568.9E6	500.000	500.000
27)	Chlordane-5	6.867	6.083	87350033	746.3E6	500.000	500.000

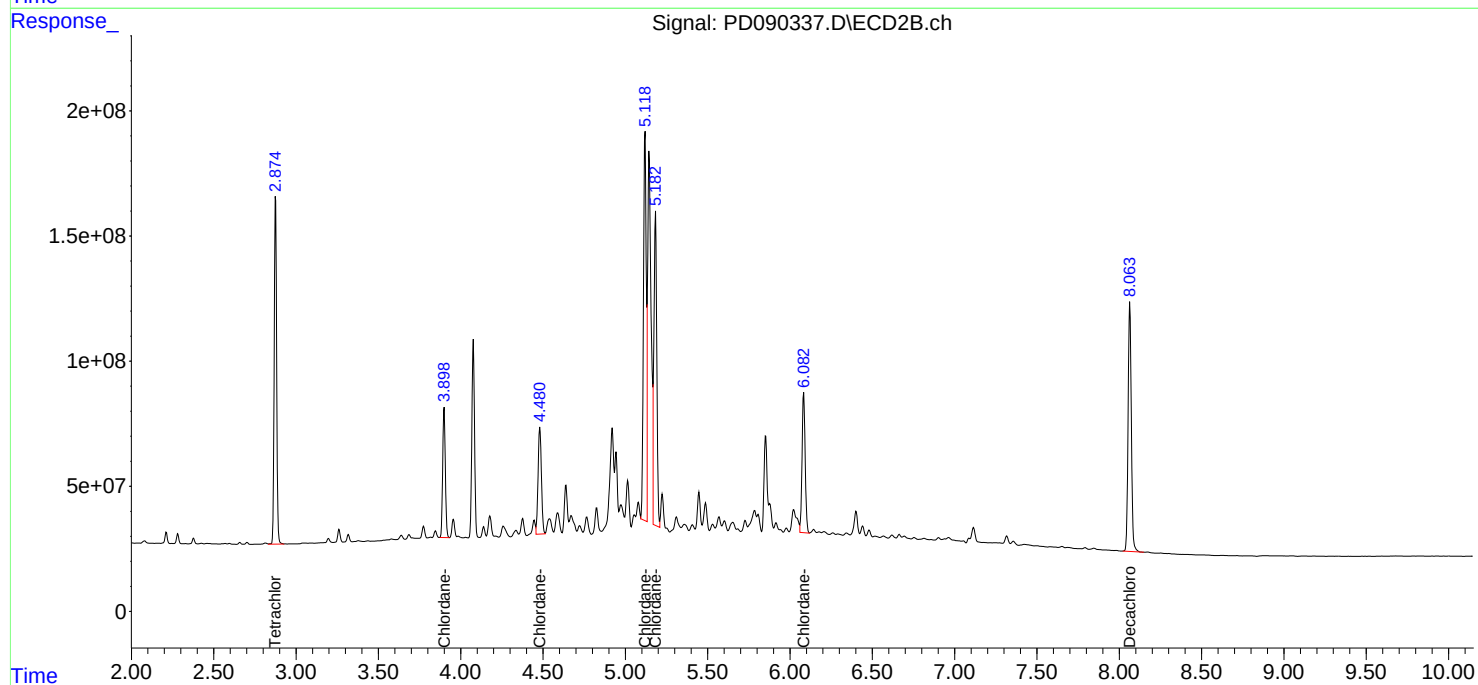
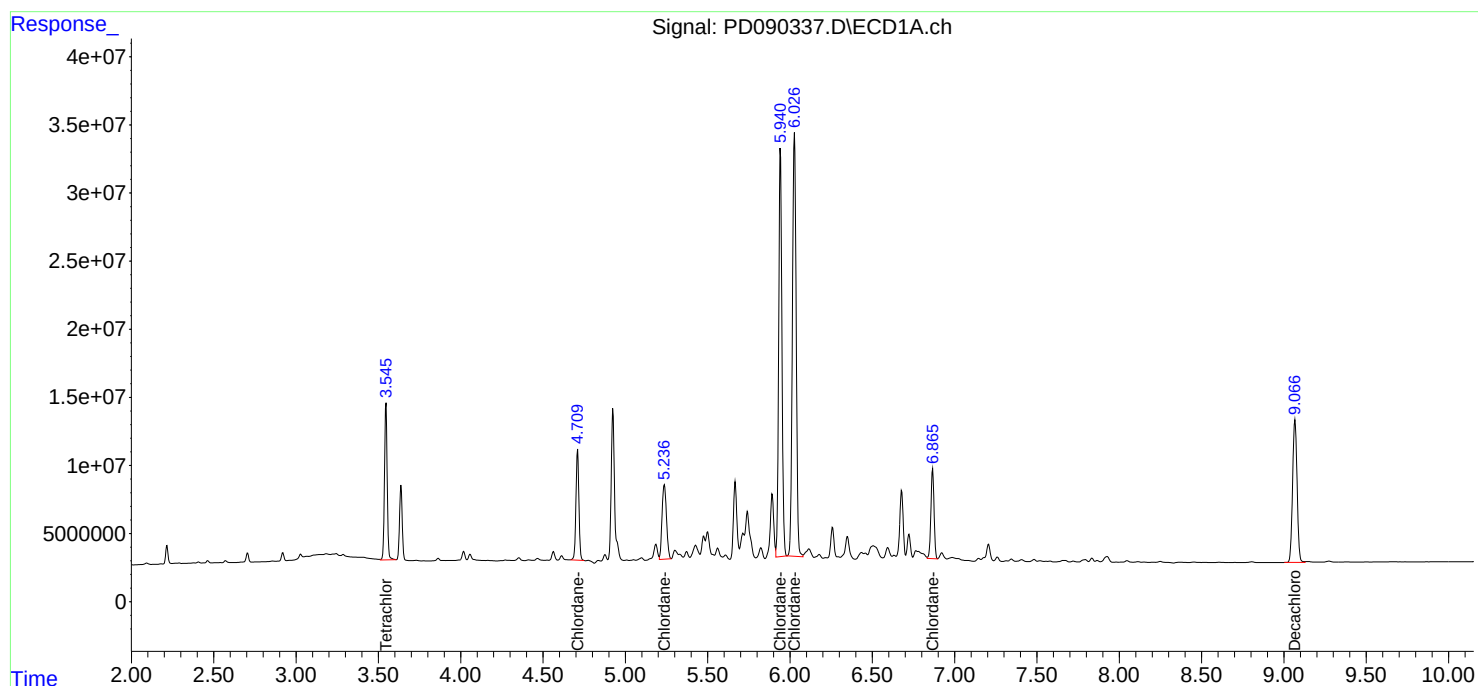
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 12:05
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:32:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090342.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 13:12
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:45:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:45:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm

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

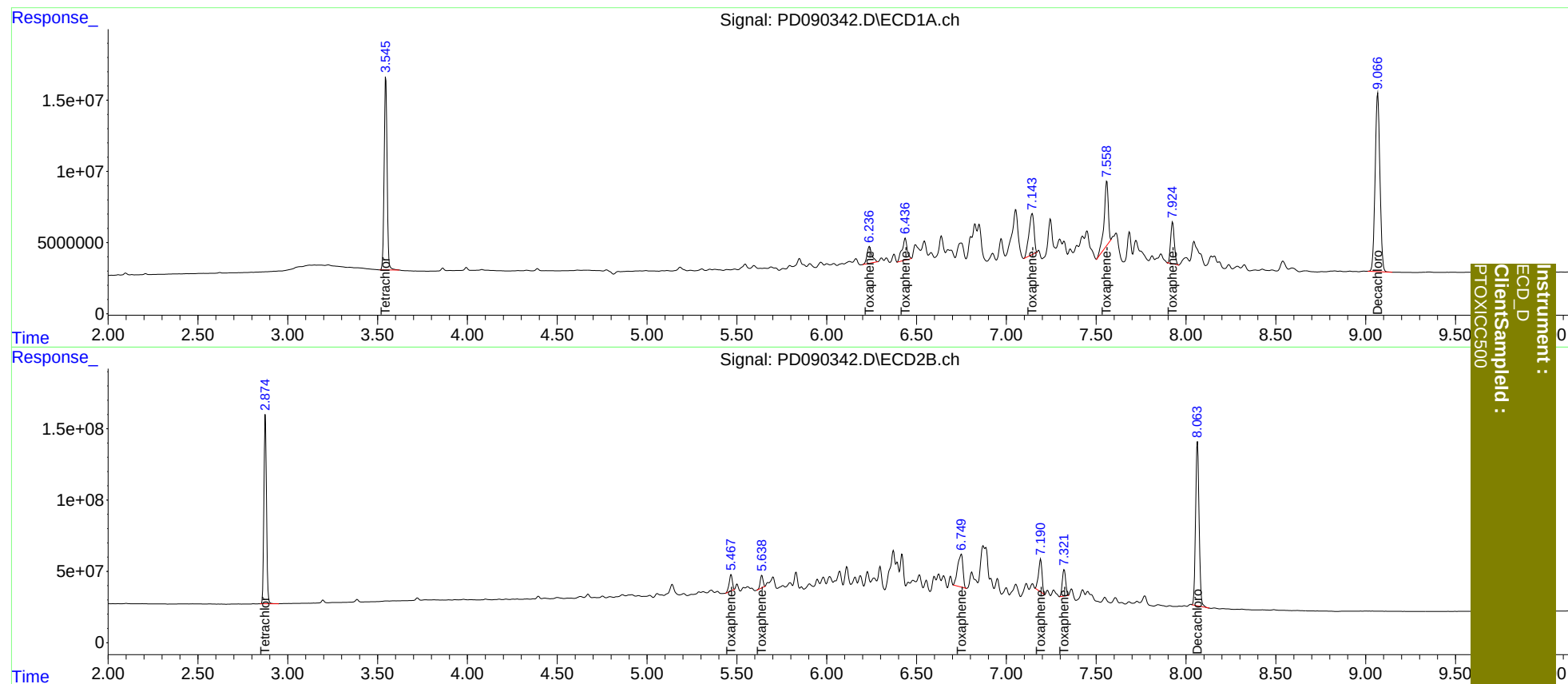
System Monitoring Compounds						
1) SA Tetrachlo...	3.546	2.875	154.0E6	1316.4E6	50.000	50.000
7) SA Decachlor...	9.067	8.064	232.3E6	1556.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.238	5.468	22194102	139.0E6	500.000	500.000
3) Toxaphene-2	6.438	5.639	30241683	93586595	500.000	500.000
4) Toxaphene-3	7.144	6.750	56828768	470.3E6	500.000	500.000
5) Toxaphene-4	7.559	7.191	73223973	311.4E6	500.000	500.000
6) Toxaphene-5	7.926	7.322	41700188	239.5E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 13:12
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:45:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:45:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090345.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 13:53
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD091825

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/19/2025
 Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:54:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.546	2.876	157.4E6	1319.9E6	48.428	48.082
28) SA Decachlor...	9.067	8.064	233.8E6	1568.0E6	48.465	48.375
Target Compounds						
2) A alpha-BHC	3.996	3.388	351.7E6	2123.5E6	50.350	48.500
3) MA gamma-BHC...	4.326	3.724	330.8E6	1969.8E6	49.987	48.355
4) MA Heptachlor	4.925	4.076	325.8E6	1968.1E6	49.274	48.335
5) MB Aldrin	5.266	4.362	315.4E6	1930.2E6	49.669	48.334
6) B beta-BHC	4.513	4.020	124.9E6	831.7E6	48.395	47.975
7) B delta-BHC	4.760	4.256	323.6E6	2001.0E6	50.107m	48.457
8) B Heptachlo...	5.687	4.866	279.1E6	1766.9E6	48.842	47.930
9) A Endosulfan I	6.070	5.240	265.5E6	1670.3E6	49.149	48.268
10) B gamma-Chl...	5.942	5.119	282.7E6	1894.5E6	49.490	48.224
11) B alpha-Chl...	6.023	5.183	283.5E6	1815.3E6	49.204	48.195
12) B 4,4'-DDE	6.192	5.368	259.4E6	1854.9E6	49.812	48.458
13) MA Dieldrin	6.343	5.506	286.4E6	1884.9E6	49.683	48.397
14) MA Endrin	6.570	5.782	242.8E6	1721.2E6	49.612	48.036
15) B Endosulfa...	6.782	6.074	246.0E6	1633.1E6	50.439	48.386
16) A 4,4'-DDD	6.702	5.923	204.5E6	1574.5E6	49.914	48.554
17) MA 4,4'-DDT	7.017	6.177	223.7E6	1690.5E6	50.245	49.173
18) B Endrin al...	6.912	6.252	171.2E6	1146.7E6	49.898	48.698
19) B Endosulfa...	7.146	6.476	226.4E6	1576.6E6	49.206	48.229
20) A Methoxychlor	7.490	6.747	115.7E6	851.6E6	49.103	48.941
21) B Endrin ke...	7.626	6.985	244.7E6	1750.8E6	49.463	48.494
22) Mirex	8.109	7.178	179.2E6	1323.1E6	48.364	47.928

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 13:53
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ICVPD091825

Manual Integrations

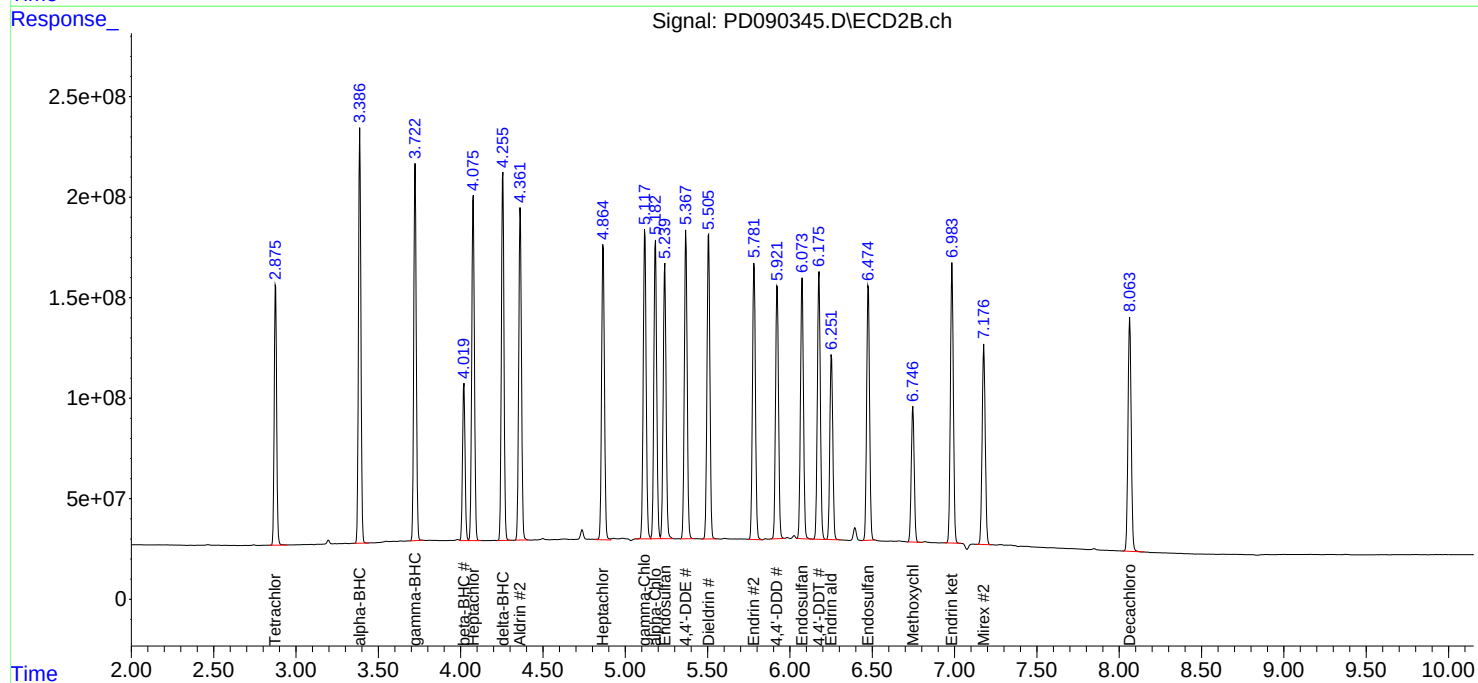
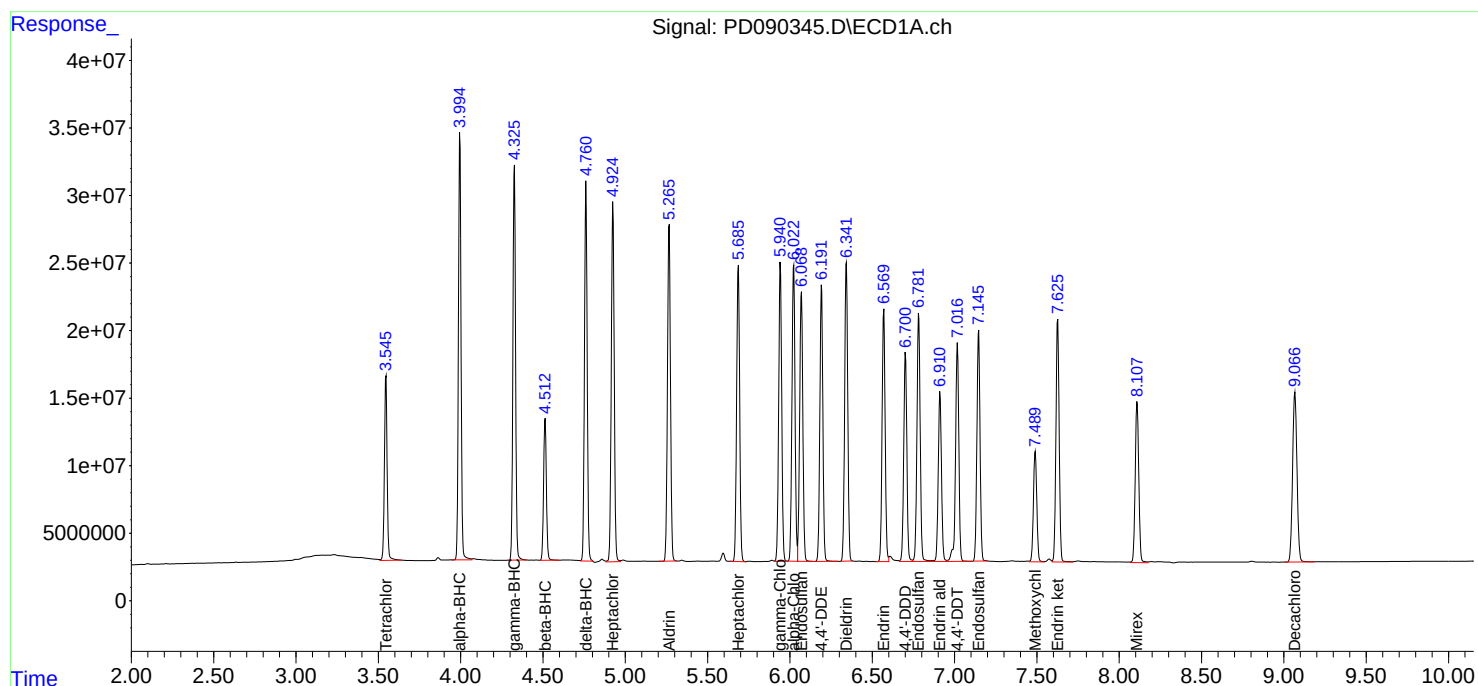
APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:54:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090346.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 14:07
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD091825CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:38:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:37:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.875	129.1E6	1402.8E6	47.340	47.897
28)	SA Decachlor...	9.068	8.064	194.3E6	1309.0E6	47.267	47.285
Target Compounds							
23)	Chlordane-1	4.710	3.899	100.8E6	576.9E6	479.474	479.360
24)	Chlordane-2	5.237	4.481	102.1E6	593.4E6	475.722	474.577
25)	Chlordane-3	5.942	5.119	409.5E6	1812.3E6	489.211	478.119
26)	Chlordane-4	6.027	5.183	494.7E6	1533.5E6	484.786	470.960
27)	Chlordane-5	6.867	6.083	86799597	733.2E6	487.543	483.129

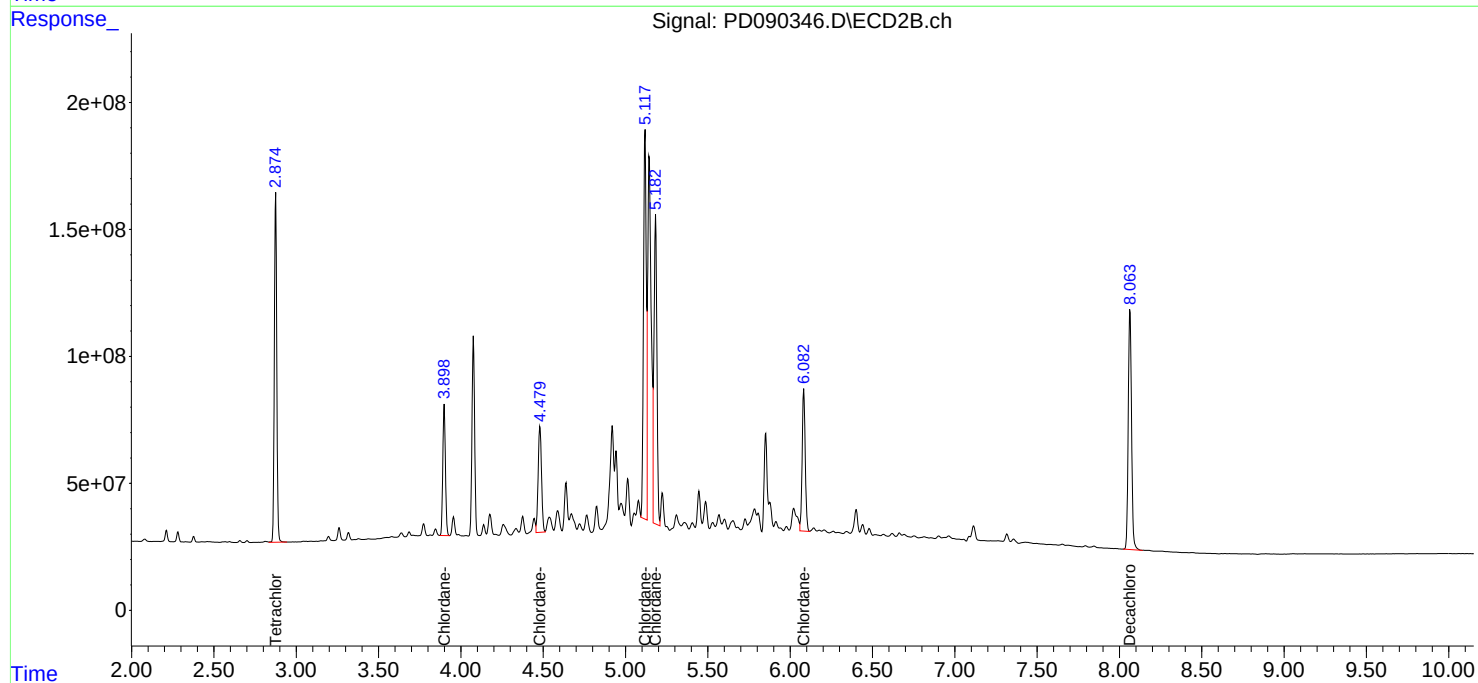
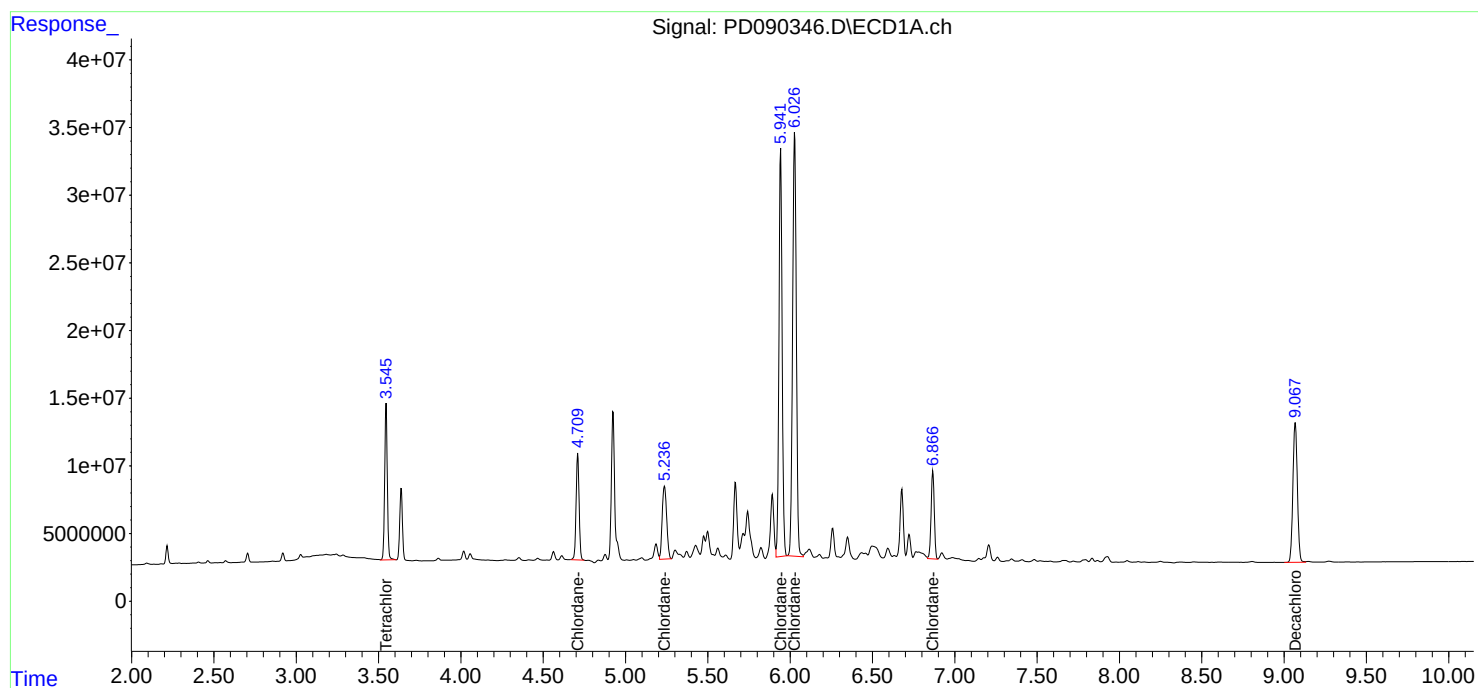
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 14:07
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD091825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:38:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:37:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090347.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 15:21
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD091825TOX

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/19/2025
 Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:50:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:49:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

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

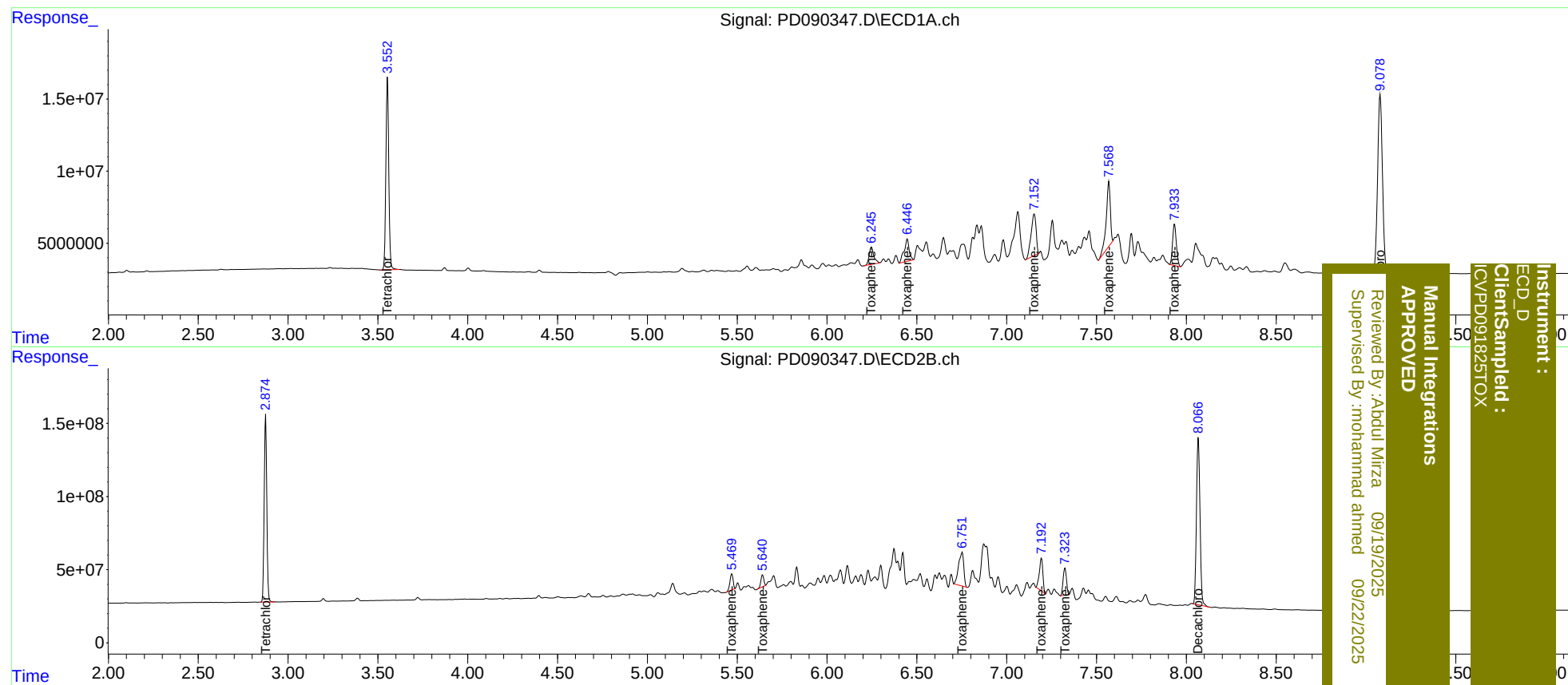
System Monitoring Compounds						
1) SA Tetrachlo...	3.554	2.875	149.7E6	1282.2E6	49.762	49.788
7) SA Decachlor...	9.079	8.067	232.6E6	1556.5E6	50.916	51.307
Target Compounds						
2) Toxaphene-1	6.247	5.470	21756033	134.0E6	492.616	495.333
3) Toxaphene-2	6.447	5.641	29840377	89582946	498.356	498.830
4) Toxaphene-3	7.154	6.753	56224977	461.1E6	504.212	514.813
5) Toxaphene-4	7.569	7.194	71351974	306.1E6	500.438	509.297
6) Toxaphene-5	7.933	7.325	41788434	239.3E6	512.136m	531.200

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 15:21
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:50:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:49:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. 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:	<u>Alliance</u>	Contract:	<u>POWE02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3341</u>
Continuing Calib Date:	<u>10/15/2025</u>	Initial Calibration Date(s):	<u>09/18/2025</u> <u>09/18/2025</u>
Continuing Calib Time:	<u>09:46</u>	Initial Calibration Time(s):	<u>10:30</u> <u>11:24</u>

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.26	5.27	5.17	5.37	0.01
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 09:46

Initial Calibration Time(s): 10:30

11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Dieldrin	5.50	5.51	5.41	5.61	0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
4,4'-DDT	6.17	6.18	6.08	6.28	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3341
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090596.D **Time Analyzed:** 09:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.601	6.801	55.940	50.000	11.9
4,4'-DDE	6.190	6.092	6.292	56.340	50.000	12.7
4,4'-DDT	7.016	6.917	7.117	48.920	50.000	-2.2
Aldrin	5.264	5.166	5.366	56.580	50.000	13.2
Decachlorobiphenyl	9.065	8.968	9.168	51.590	50.000	3.2
Dieldrin	6.341	6.243	6.443	55.600	50.000	11.2
Tetrachloro-m-xylene	3.545	3.446	3.646	53.290	50.000	6.6



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3341
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090596.D **Time Analyzed:** 09:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.822	6.022	57.880	50.000	15.8
4,4'-DDE	5.366	5.268	5.468	59.270	50.000	18.5
4,4'-DDT	6.173	6.076	6.276	51.930	50.000	3.9
Aldrin	4.360	4.262	4.462	59.500	50.000	19.0
Decachlorobiphenyl	8.061	7.964	8.164	51.230	50.000	2.5
Dieldrin	5.503	5.406	5.606	58.370	50.000	16.7
Tetrachloro-m-xylene	2.875	2.776	2.976	57.100	50.000	14.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090596.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 09:46
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:09:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.875	173.2E6	1567.4E6	53.290	57.099
2)	SA Decachlor...	9.065	8.061	248.9E6	1660.6E6	51.588	51.231
Target Compounds							
2)	A alpha-BHC	3.994	3.386	401.7E6	2603.0E6	57.518	59.453
3)	MA gamma-BHC...	4.325	3.722	377.5E6	2398.2E6	57.045	58.873
4)	MA Heptachlor	4.923	4.074	312.9E6	2216.5E6	47.313	54.436
5)	MB Aldrin	5.264	4.360	359.3E6	2376.0E6	56.581	59.496
6)	B beta-BHC	4.512	4.018	141.9E6	1010.7E6	54.986	58.305
7)	B delta-BHC	4.759	4.254	371.1E6	2419.3E6	57.469m	58.586
8)	B Heptachlo...	5.684	4.864	317.3E6	2147.9E6	55.524	58.263
9)	A Endosulfan I	6.068	5.238	295.9E6	1955.3E6	54.790	56.502
10)	B gamma-Chl...	5.940	5.116	320.2E6	2324.7E6	56.058	59.174
11)	B alpha-Chl...	6.021	5.181	322.6E6	2219.5E6	56.004	58.928
12)	B 4,4'-DDE	6.190	5.366	293.4E6	2268.7E6	56.343	59.267
13)	MA Dieldrin	6.341	5.503	320.5E6	2273.2E6	55.601	58.368
14)	MA Endrin	6.568	5.780	273.3E6	2077.6E6	55.846	57.982
15)	B Endosulfa...	6.781	6.071	273.6E6	1951.5E6	56.084	57.822
16)	A 4,4'-DDD	6.700	5.920	229.2E6	1876.8E6	55.941	57.877
17)	MA 4,4'-DDT	7.016	6.173	217.8E6	1785.4E6	48.915	51.934
18)	B Endrin al...	6.910	6.249	192.1E6	1379.5E6	55.992	58.585
19)	B Endosulfa...	7.145	6.473	241.5E6	1809.1E6	52.492	55.340
20)	A Methoxychlor	7.488	6.744	105.7E6	841.1E6	44.868	48.341
21)	B Endrin ke...	7.626	6.982	259.6E6	1953.6E6	52.476	54.111
22)	Mirex	8.107	7.175	187.1E6	1475.7E6	50.505	53.456

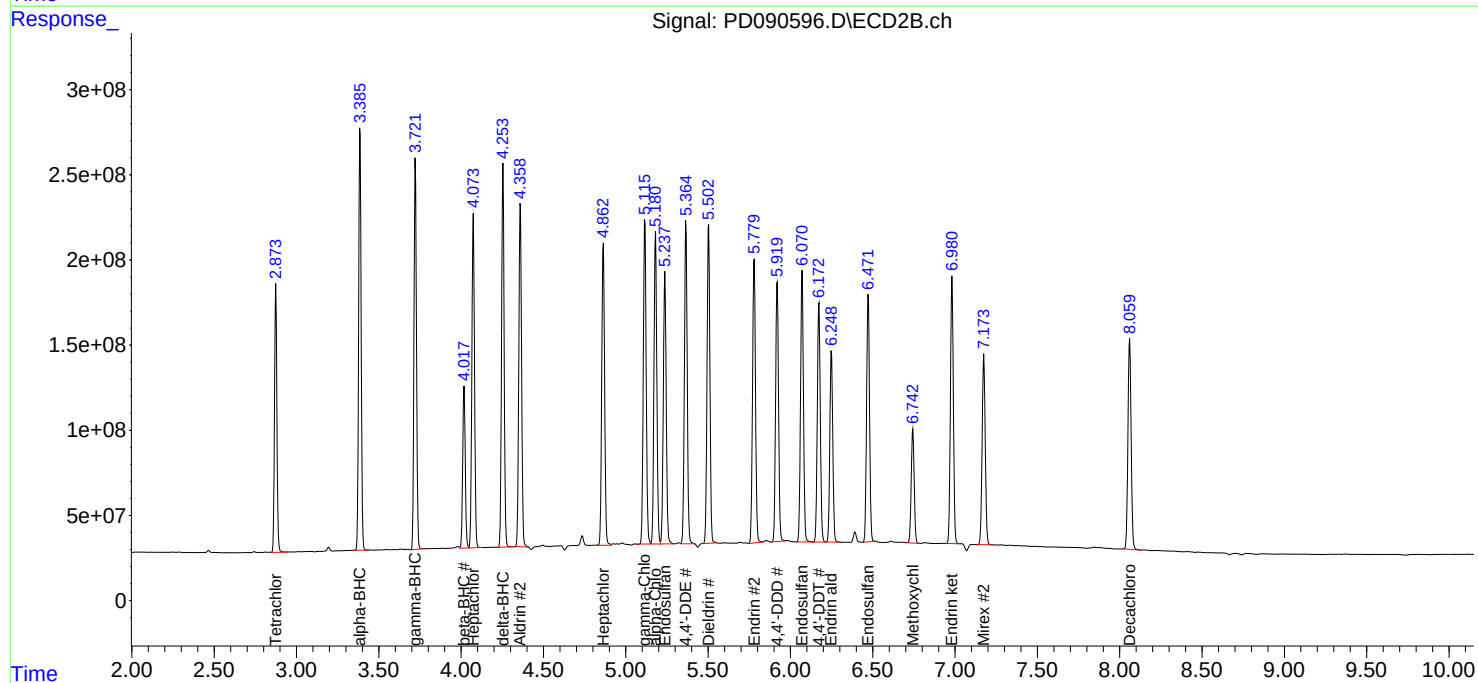
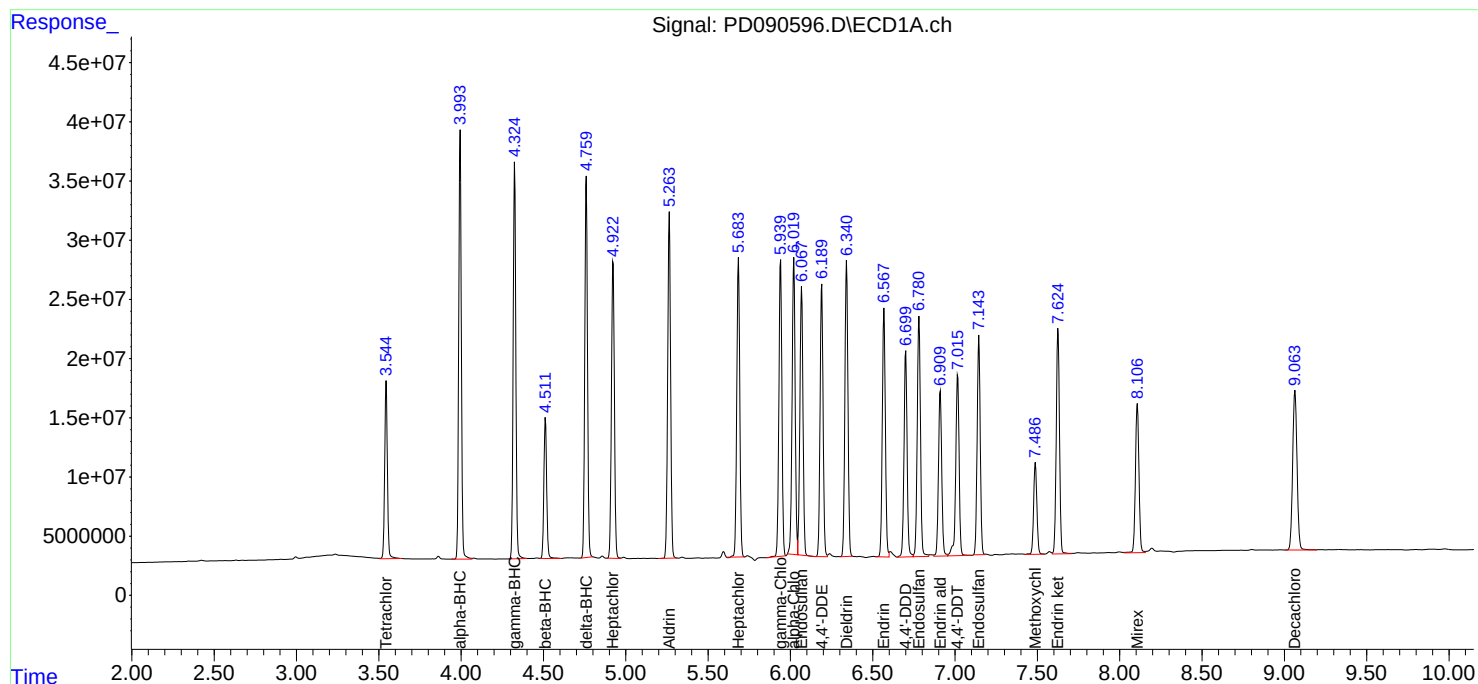
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 09:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:09:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 16:33

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.27	5.27	5.17	5.37	0.01
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 16:33

Initial Calibration Time(s): 10:30

11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Dieldrin	5.50	5.51	5.41	5.61	0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
4,4'-DDT	6.17	6.18	6.08	6.28	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3341
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090608.D **Time Analyzed:** 16:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.701	6.601	6.801	55.820	50.000	11.6
4,4'-DDE	6.191	6.092	6.292	56.030	50.000	12.1
4,4'-DDT	7.017	6.917	7.117	50.140	50.000	0.3
Aldrin	5.265	5.166	5.366	56.740	50.000	13.5
Decachlorobiphenyl	9.067	8.968	9.168	53.480	50.000	7.0
Dieldrin	6.342	6.243	6.443	54.920	50.000	9.8
Tetrachloro-m-xylene	3.546	3.446	3.646	41.970	50.000	-16.1



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3341
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090608.D **Time Analyzed:** 16:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.921	5.822	6.022	54.380	50.000	8.8
4,4'-DDE	5.366	5.268	5.468	56.790	50.000	13.6
4,4'-DDT	6.174	6.076	6.276	49.510	50.000	-1.0
Aldrin	4.361	4.262	4.462	57.840	50.000	15.7
Decachlorobiphenyl	8.062	7.964	8.164	46.740	50.000	-6.5
Dieldrin	5.504	5.406	5.606	55.940	50.000	11.9
Tetrachloro-m-xylene	2.875	2.776	2.976	44.360	50.000	-11.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 16:33
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:14:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.875	136.4E6	1217.6E6	41.967	44.358
2)	SA Decachlor...	9.067	8.062	258.1E6	1515.1E6	53.484	46.741
Target Compounds							
2)	A alpha-BHC	3.995	3.387	401.1E6	2553.5E6	57.428	58.321
3)	MA gamma-BHC...	4.326	3.723	378.8E6	2355.1E6	57.244	57.815
4)	MA Heptachlor	4.924	4.075	322.4E6	2197.8E6	48.752	53.977
5)	MB Aldrin	5.265	4.361	360.3E6	2309.9E6	56.740	57.843
6)	B beta-BHC	4.513	4.019	141.2E6	982.4E6	54.739	56.673
7)	B delta-BHC	4.760	4.255	376.1E6	2376.9E6	58.243m	57.560
8)	B Heptachlo...	5.685	4.864	315.4E6	2092.7E6	55.188	56.765
9)	A Endosulfan I	6.069	5.238	293.6E6	1865.2E6	54.348	53.900
10)	B gamma-Chl...	5.941	5.117	314.8E6	2232.7E6	55.109	56.830
11)	B alpha-Chl...	6.022	5.181	321.7E6	2134.0E6	55.844	56.657
12)	B 4,4'-DDE	6.191	5.366	291.8E6	2173.7E6	56.032	56.786
13)	MA Dieldrin	6.342	5.504	316.6E6	2178.4E6	54.915	55.935
14)	MA Endrin	6.569	5.781	271.0E6	2004.9E6	55.366	55.954
15)	B Endosulfa...	6.782	6.071	270.5E6	1810.3E6	55.454	53.638
16)	A 4,4'-DDD	6.701	5.921	228.7E6	1763.3E6	55.818	54.376
17)	MA 4,4'-DDT	7.017	6.174	223.2E6	1702.1E6	50.137	49.509
18)	B Endrin al...	6.911	6.250	192.3E6	1299.9E6	56.045	55.203
19)	B Endosulfa...	7.146	6.474	237.3E6	1673.6E6	51.584	51.196
20)	A Methoxychlor	7.490	6.745	108.2E6	803.5E6	45.920	46.176
21)	B Endrin ke...	7.627	6.983	249.4E6	1738.8E6	50.401	48.162
22)	Mirex	8.109	7.176	169.1E6	1262.9E6	45.646	45.747

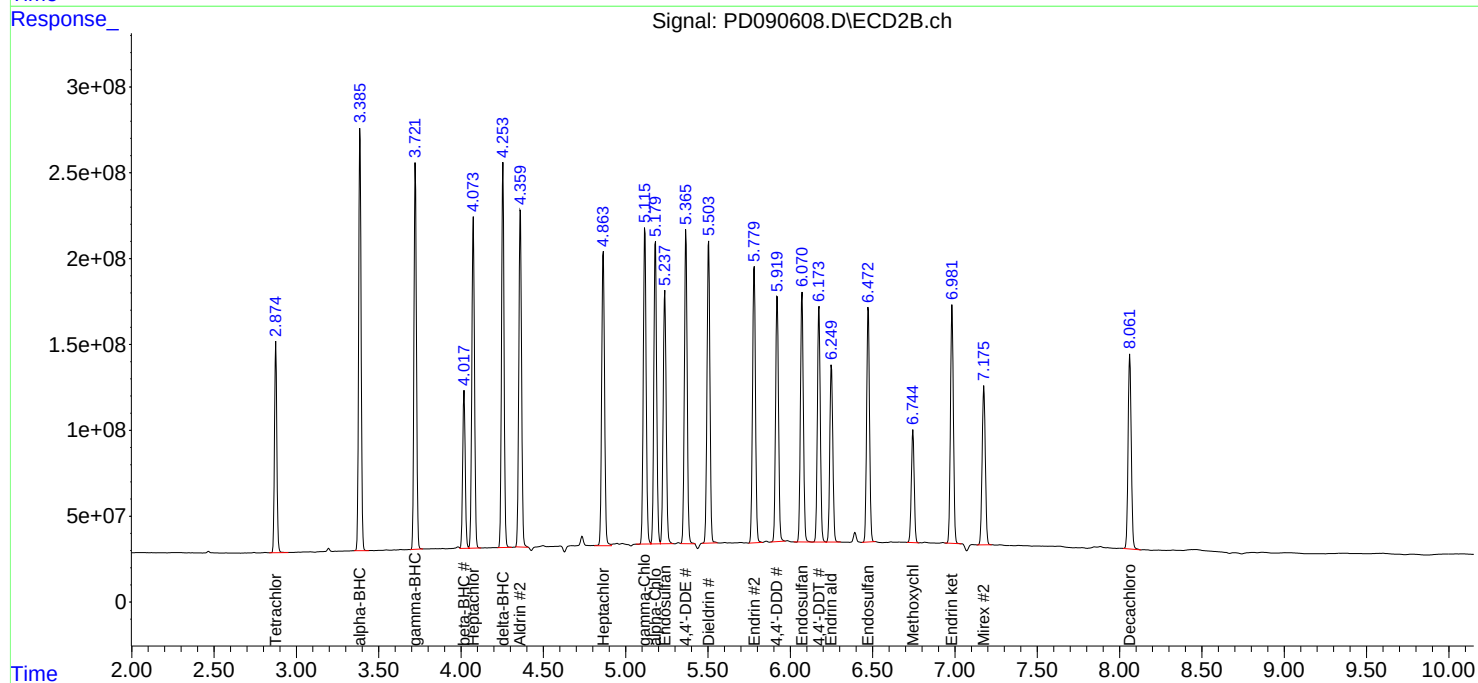
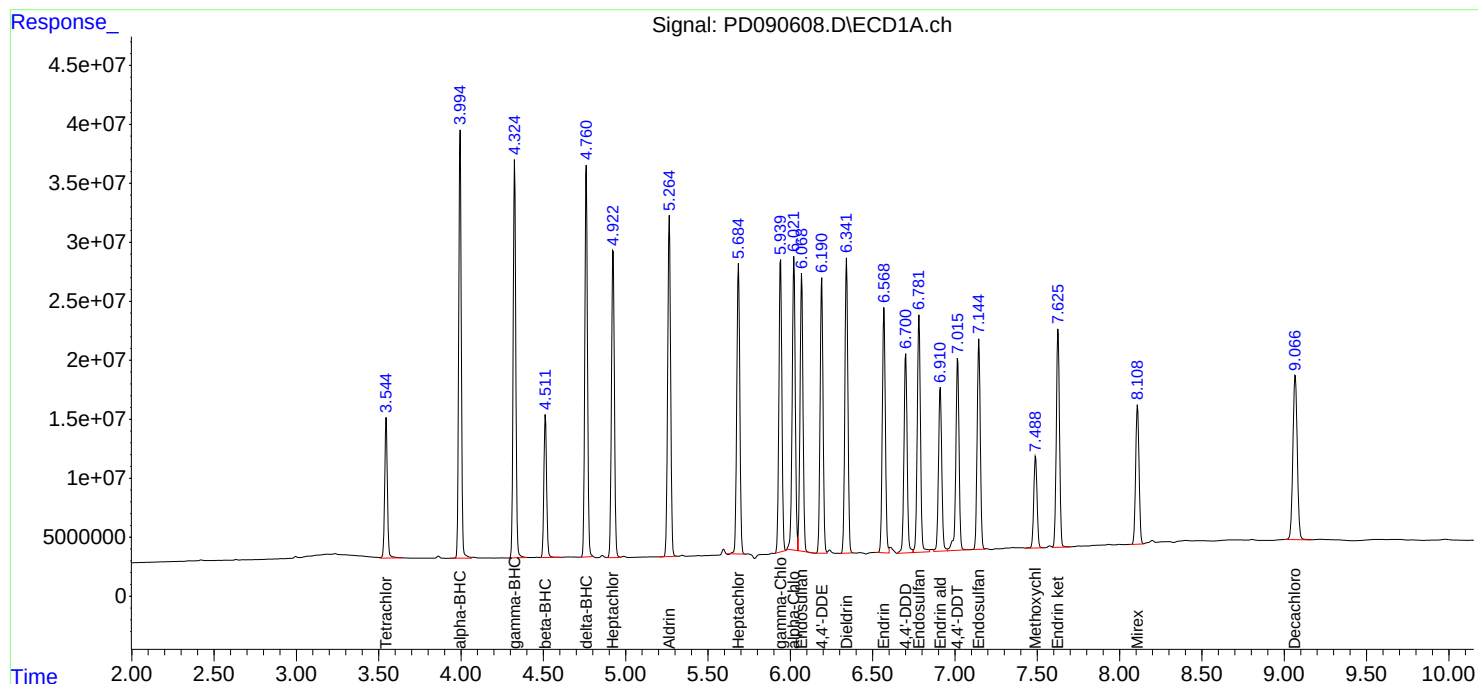
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 16:33
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:14:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 17:55

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.27	5.27	5.17	5.37	0.01
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/18/2025

09/18/2025

Continuing Calib Time: 17:55

Initial Calibration Time(s): 10:30

11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Dieldrin	5.50	5.51	5.41	5.61	0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
4,4'-DDT	6.17	6.18	6.08	6.28	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: POWE02
 Lab Code: ACE SDG NO.: Q3341
 GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No.: CCAL03 Date Analyzed: 10/15/2025
 Lab Sample No.: PSTDCCC050 Data File : PD090614.D Time Analyzed: 17:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.701	6.601	6.801	57.200	50.000	14.4
4,4'-DDE	6.191	6.092	6.292	56.860	50.000	13.7
4,4'-DDT	7.016	6.917	7.117	49.600	50.000	-0.8
Aldrin	5.265	5.166	5.366	56.840	50.000	13.7
Decachlorobiphenyl	9.066	8.968	9.168	54.960	50.000	9.9
Dieldrin	6.341	6.243	6.443	55.940	50.000	11.9
Tetrachloro-m-xylene	3.546	3.446	3.646	41.830	50.000	-16.3



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: POWE02
 Lab Code: ACE SDG NO.: Q3341
 GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No.: CCAL03 Date Analyzed: 10/15/2025
 Lab Sample No.: PSTDCCC050 Data File : PD090614.D Time Analyzed: 17:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.921	5.822	6.022	55.150	50.000	10.3
4,4'-DDE	5.366	5.268	5.468	56.600	50.000	13.2
4,4'-DDT	6.174	6.076	6.276	49.580	50.000	-0.8
Aldrin	4.361	4.262	4.462	57.260	50.000	14.5
Decachlorobiphenyl	8.062	7.964	8.164	48.040	50.000	-3.9
Dieldrin	5.504	5.406	5.606	56.160	50.000	12.3
Tetrachloro-m-xylene	2.876	2.776	2.976	43.650	50.000	-12.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090614.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 17:55
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:36:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	136.0E6	1198.3E6	41.833	43.652
28)	SA Decachlor...	9.066	8.062	265.2E6	1557.2E6	54.965	48.039
Target Compounds							
2)	A alpha-BHC	3.995	3.388	399.8E6	2511.9E6	57.241	57.372
3)	MA gamma-BHC...	4.326	3.724	377.1E6	2324.1E6	56.991	57.052
4)	MA Heptachlor	4.924	4.075	312.9E6	2161.6E6	47.315	53.089
5)	MB Aldrin	5.265	4.361	360.9E6	2286.5E6	56.842	57.256
6)	B beta-BHC	4.513	4.019	141.6E6	974.8E6	54.872	56.235
7)	B delta-BHC	4.760	4.256	376.3E6	2349.2E6	58.278m	56.889
8)	B Heptachlo...	5.684	4.864	319.1E6	2056.6E6	55.829m	55.787
9)	A Endosulfan I	6.069	5.239	300.6E6	1847.0E6	55.647	53.374
10)	B gamma-Chl...	5.940	5.117	322.9E6	2221.2E6	56.530	56.538
11)	B alpha-Chl...	6.021	5.182	320.5E6	2120.2E6	55.638	56.289
12)	B 4,4'-DDE	6.191	5.366	296.1E6	2166.4E6	56.862	56.596
13)	MA Dieldrin	6.341	5.504	322.5E6	2187.0E6	55.939	56.156
14)	MA Endrin	6.569	5.781	276.7E6	2020.9E6	56.540	56.398
15)	B Endosulfa...	6.782	6.072	276.9E6	1841.1E6	56.777	54.549
16)	A 4,4'-DDD	6.701	5.921	234.4E6	1788.5E6	57.202	55.153
17)	MA 4,4'-DDT	7.016	6.174	220.9E6	1704.6E6	49.605	49.584
18)	B Endrin al...	6.911	6.250	197.3E6	1319.4E6	57.500	56.035
19)	B Endosulfa...	7.145	6.474	241.7E6	1696.1E6	52.543	51.884
20)	A Methoxychlor	7.489	6.745	113.7E6	809.6E6	48.248	46.528
21)	B Endrin ke...	7.626	6.983	261.4E6	1786.3E6	52.832	49.479
22)	Mirex	8.108	7.176	176.8E6	1305.4E6	47.733	47.286

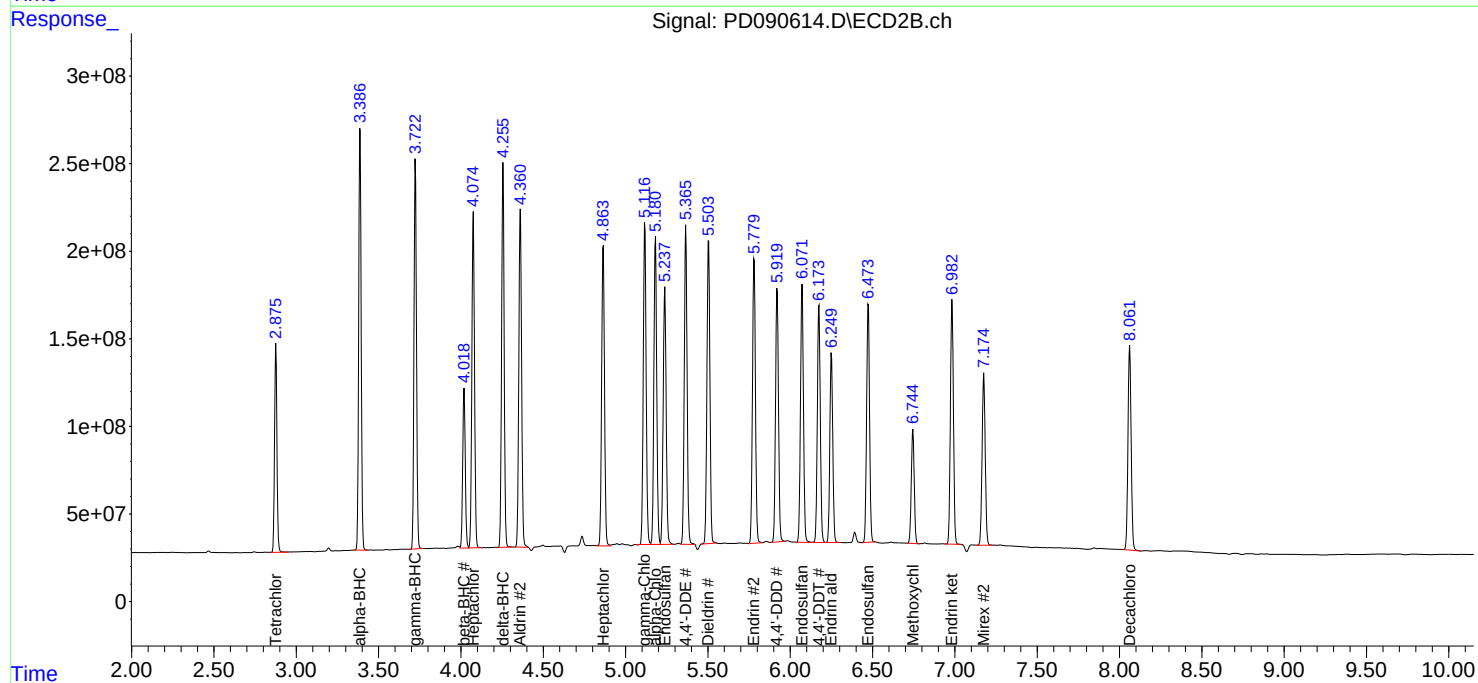
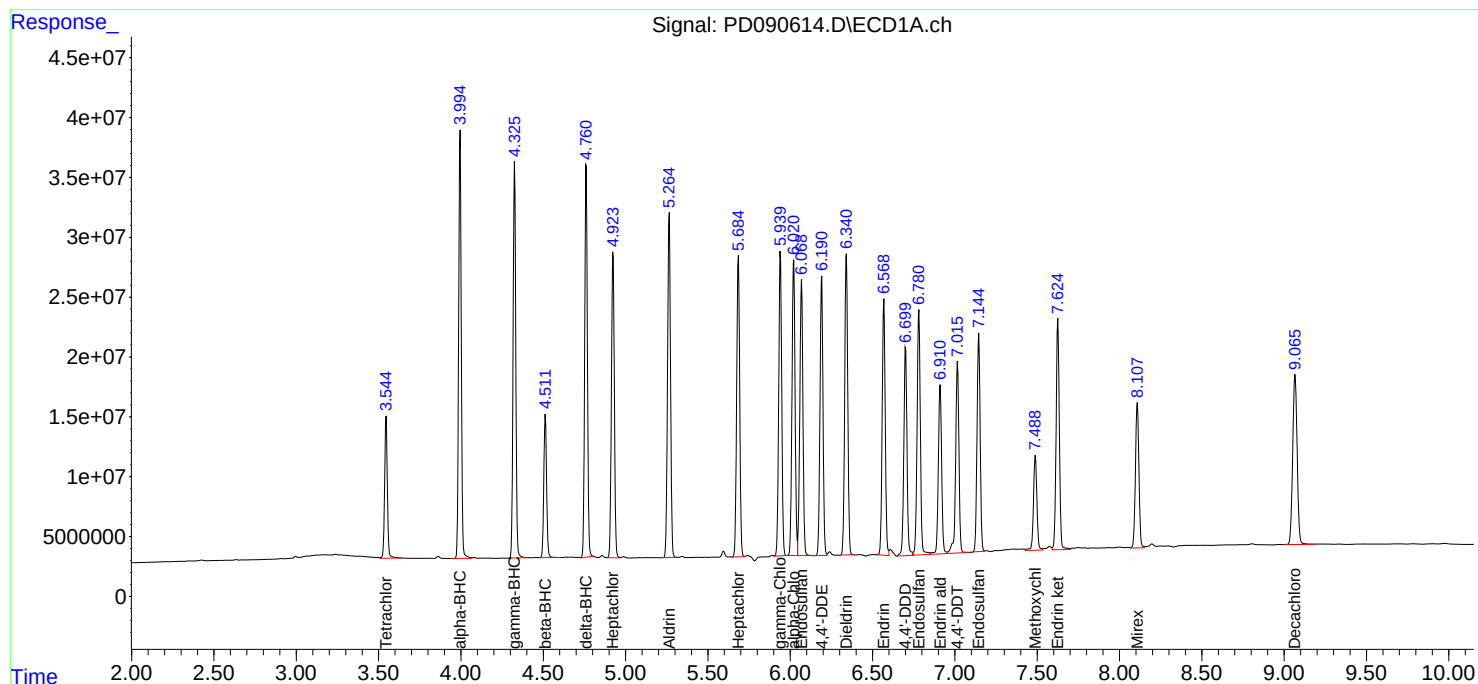
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 17:55
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:36:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 20:25

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.26	5.27	5.17	5.37	0.01
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 20:25

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.36	4.36	4.26	4.46	0.00
Dieldrin	5.50	5.51	5.41	5.61	0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
4,4'-DDT	6.17	6.18	6.08	6.28	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3341
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090622.D **Time Analyzed:** 20:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.701	6.601	6.801	58.300	50.000	16.6
4,4'-DDE	6.190	6.092	6.292	57.160	50.000	14.3
4,4'-DDT	7.016	6.917	7.117	51.290	50.000	2.6
Aldrin	5.264	5.166	5.366	57.760	50.000	15.5
Decachlorobiphenyl	9.066	8.968	9.168	55.170	50.000	10.3
Dieldrin	6.341	6.243	6.443	56.490	50.000	13.0
Tetrachloro-m-xylene	3.545	3.446	3.646	42.480	50.000	-15.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3341
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090622.D **Time Analyzed:** 20:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.822	6.022	55.720	50.000	11.4
4,4'-DDE	5.366	5.268	5.468	57.640	50.000	15.3
4,4'-DDT	6.174	6.076	6.276	51.020	50.000	2.0
Aldrin	4.360	4.262	4.462	58.410	50.000	16.8
Decachlorobiphenyl	8.062	7.964	8.164	49.650	50.000	-0.7
Dieldrin	5.504	5.406	5.606	56.850	50.000	13.7
Tetrachloro-m-xylene	2.875	2.776	2.976	44.510	50.000	-11.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090622.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 20:25
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:47:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.875	138.1E6	1221.9E6	42.476	44.514
2)	SA Decachlor...	9.066	8.062	266.2E6	1609.5E6	55.170	49.652
Target Compounds							
2)	A alpha-BHC	3.994	3.387	407.1E6	2559.9E6	58.287	58.469
3)	MA gamma-BHC...	4.325	3.723	383.3E6	2371.5E6	57.926	58.217
4)	MA Heptachlor	4.923	4.075	313.2E6	2212.6E6	47.363	54.341
5)	MB Aldrin	5.264	4.360	366.7E6	2332.6E6	57.755	58.410
6)	B beta-BHC	4.512	4.019	143.2E6	988.5E6	55.495	57.020
7)	B delta-BHC	4.759	4.255	379.5E6	2383.1E6	58.775m	57.711
8)	B Heptachlo...	5.684	4.864	323.3E6	2091.2E6	56.576	56.727
9)	A Endosulfan I	6.068	5.238	302.6E6	1855.0E6	56.024	53.605
10)	B gamma-Chl...	5.940	5.116	325.0E6	2255.2E6	56.894	57.404
11)	B alpha-Chl...	6.021	5.182	327.1E6	2157.6E6	56.779	57.283
12)	B 4,4'-DDE	6.190	5.366	297.7E6	2206.5E6	57.164	57.643
13)	MA Dieldrin	6.341	5.504	325.7E6	2214.2E6	56.493	56.854
14)	MA Endrin	6.569	5.781	280.4E6	2050.8E6	57.302	57.234
15)	B Endosulfa...	6.781	6.072	283.0E6	1877.1E6	58.025	55.617
16)	A 4,4'-DDD	6.701	5.920	238.9E6	1806.8E6	58.300	55.719
17)	MA 4,4'-DDT	7.016	6.174	228.4E6	1754.0E6	51.292	51.019
18)	B Endrin al...	6.909	6.251	194.1E6	1352.2E6	56.565m	57.426
19)	B Endosulfa...	7.145	6.474	246.5E6	1742.5E6	53.591	53.303
20)	A Methoxychlor	7.489	6.745	110.3E6	835.0E6	46.804	47.988
21)	B Endrin ke...	7.626	6.983	260.9E6	1830.0E6	52.726	50.690
22)	Mirex	8.107	7.176	178.2E6	1335.6E6	48.090m	48.380

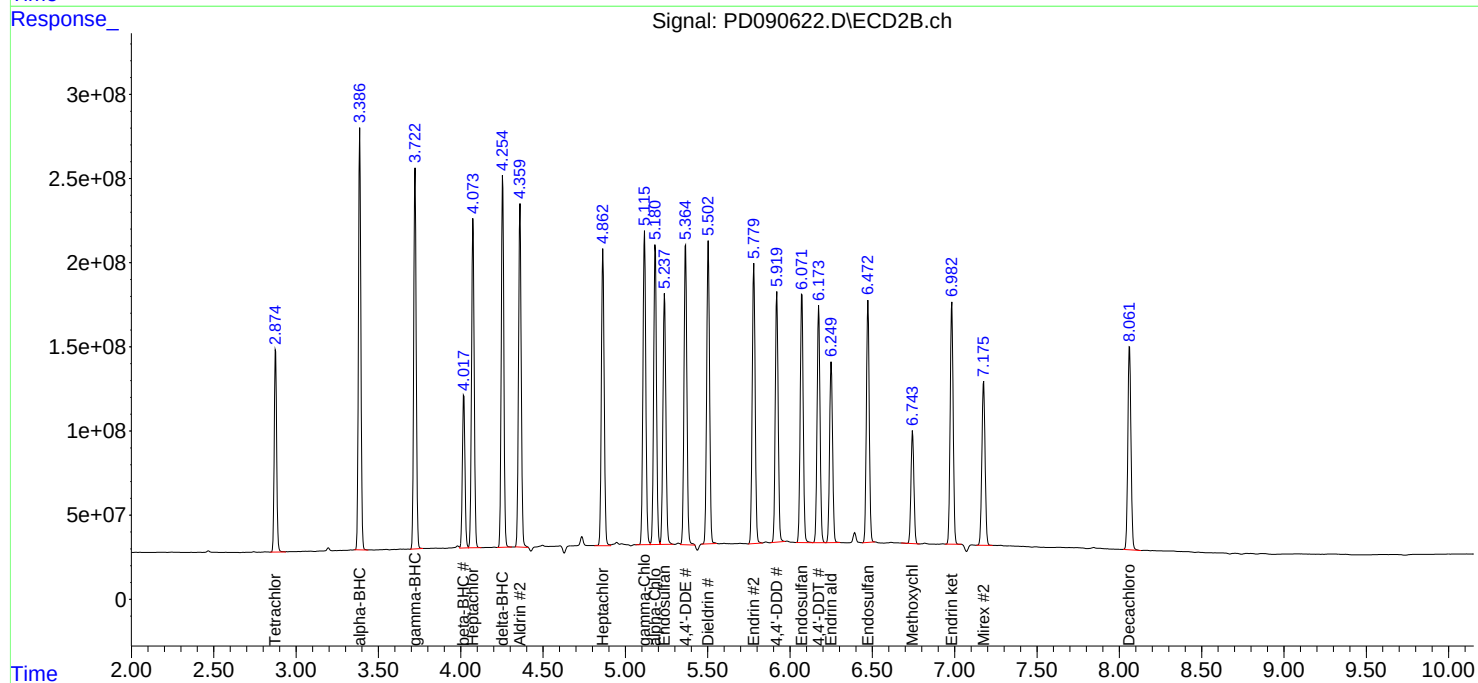
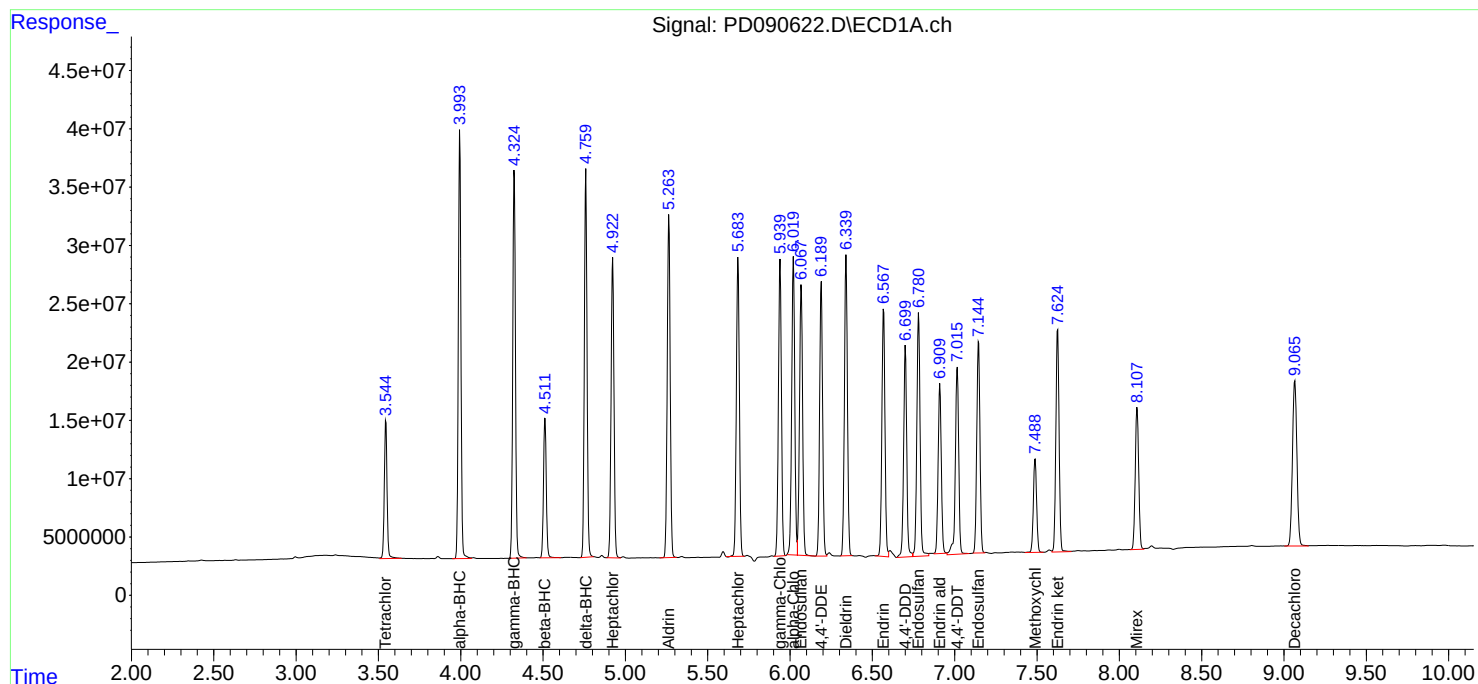
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090622.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 20:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:47:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090328.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	16.390	20.000	-18.1
Tetrachloro-m-xylene	3.546	3.500	3.600	16.190	20.000	-19.1
alpha-BHC	3.995	3.940	4.050	7.010	10.000	-29.9
beta-BHC	4.512	4.460	4.560	7.900	10.000	-21.0
gamma-BHC (Lindane)	4.325	4.270	4.380	7.190	10.000	-28.1
Endrin	6.569	6.500	6.640	38.000	50.000	-24.0
4,4'-DDT	7.016	6.950	7.090	74.700	100.000	-25.3
Methoxychlor	7.489	7.420	7.560	174.520	250.000	-30.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090328.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.063	7.960	8.160	15.820	20.000	-20.9
Tetrachloro-m-xylene	2.876	2.830	2.930	15.940	20.000	-20.3
alpha-BHC	3.388	3.340	3.440	8.280	10.000	-17.2
beta-BHC	4.020	3.970	4.070	8.430	10.000	-15.7
gamma-BHC (Lindane)	3.724	3.670	3.770	8.260	10.000	-17.4
Endrin	5.782	5.710	5.850	37.930	50.000	-24.1
4,4'-DDT	6.176	6.110	6.250	73.820	100.000	-26.2
Methoxychlor	6.746	6.680	6.820	155.590	250.000	-37.8

PEM
 Data File: PD090328.D Date Acquired 9/18/2025 10:03
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	185982244.3	190943546	4961301.7	2.60
Endrin aldehyde	6.91	866602.768			
Endrin ketone	7.63	4094698.937			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1358982336	1403287997	44305661	3.16
Endrin aldehyde #2	6.25	15992666.68			
Endrin ketone #2	6.98	28312994.3			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	332607789.5	335744897.9	3137108.44	0.93
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3137108.439			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2537873822	2570934646	33060823.6	1.29
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	33060823.6			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:03
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/19/2025
 Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:54:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	52614883	437.5E6	16.187	15.938
28)	SA Decachlor...	9.066	8.063	79104389	512.8E6	16.395	15.820
Target Compounds							
2)	A alpha-BHC	3.995	3.388	48940172	362.6E6	7.007	8.282
3)	MA gamma-BHC...	4.325	3.724	47568494	336.3E6	7.189	8.255
6)	B beta-BHC	4.512	4.020	20379483	146.1E6	7.899	8.429
14)	MA Endrin	6.569	5.782	186.0E6	1359.0E6	38.003	37.926
16)	A 4,4'-DDD	6.699	5.923	3137108	33060824	0.766m	1.020 #
17)	MA 4,4'-DDT	7.016	6.176	332.6E6	2537.9E6	74.702	73.820
18)	B Endrin al...	6.909	6.249	866603	15992667	0.253m	0.679 #
20)	A Methoxychlor	7.489	6.746	411.3E6	2707.3E6	174.521	155.591
21)	B Endrin ke...	7.626	6.983	4094699	28312994	0.828	0.784

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

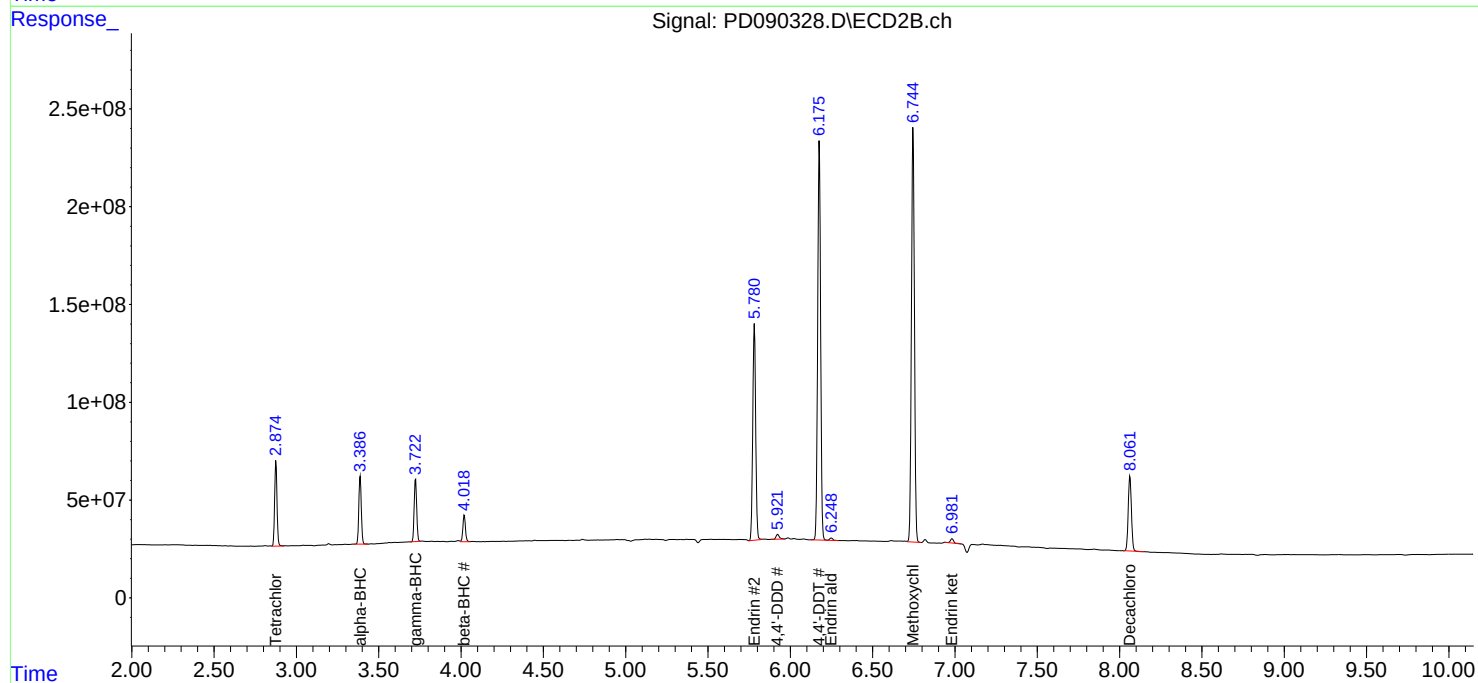
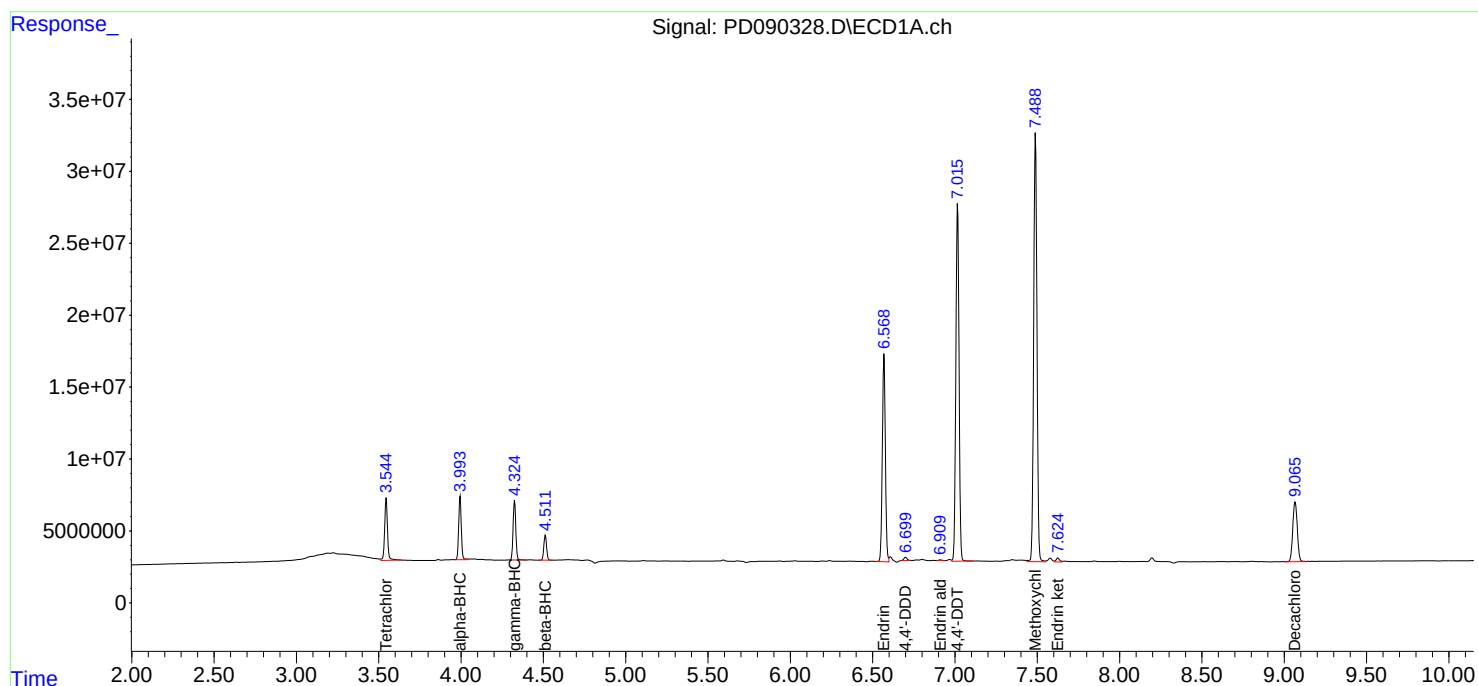
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/19/2025
Supervised By : mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:54:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090595.D Date Analyzed: 10/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:33

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.065	8.960	9.170	15.660	20.000	-21.7
Tetrachloro-m-xylene	3.545	3.490	3.600	16.230	20.000	-18.9
alpha-BHC	3.994	3.940	4.040	7.040	10.000	-29.6
beta-BHC	4.512	4.460	4.560	8.110	10.000	-18.9
gamma-BHC (Lindane)	4.325	4.270	4.380	7.320	10.000	-26.8
Endrin	6.569	6.500	6.640	37.000	50.000	-26.0
4,4'-DDT	7.016	6.950	7.090	62.130	100.000	-37.9
Methoxychlor	7.489	7.420	7.560	139.160	250.000	-44.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090595.D Date Analyzed: 10/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:33

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.061	7.960	8.160	15.420	20.000	-22.9
Tetrachloro-m-xylene	2.874	2.820	2.920	17.360	20.000	-13.2
alpha-BHC	3.386	3.340	3.440	9.030	10.000	-9.7
beta-BHC	4.018	3.970	4.070	9.030	10.000	-9.7
gamma-BHC (Lindane)	3.722	3.670	3.770	8.960	10.000	-10.4
Endrin	5.780	5.710	5.850	41.650	50.000	-16.7
4,4'-DDT	6.173	6.100	6.240	67.960	100.000	-32.0
Methoxychlor	6.744	6.670	6.810	138.040	250.000	-44.8

PEM
 Data File: PD090595.D Date Acquired 10/15/2025 9:33
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	181066700.9	186158633.8	5091932.87	2.74
Endrin aldehyde	6.91	1372095.006			
Endrin ketone	7.63	3719837.861			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1492345975	1538039895	45693919.7	2.97
Endrin aldehyde #2	6.25	16466232.57			
Endrin ketone #2	6.98	29227687.16			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	276624738.1	291957636.4	15332898.3	5.25
4,4'-DDE	6.19	1257088.694			
4,4'-DDD	6.70	14075809.56			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	2336274726	2426175237	89900510.4	3.71
4,4'-DDE #2	5.36	12388917.12			
4,4'-DDD #2	5.92	77511593.33			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 09:33
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:08:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.874	52766967	476.7E6	16.234	17.365
28)	SA Decachlor...	9.065	8.061	75554782	499.8E6	15.659	15.418
Target Compounds							
2)	A alpha-BHC	3.994	3.386	49173290	395.6E6	7.040	9.035 #
3)	MA gamma-BHC...	4.325	3.722	48438090	364.8E6	7.320	8.955
6)	B beta-BHC	4.512	4.018	20917403	156.6E6	8.108	9.031
12)	B 4,4'-DDE	6.191	5.365	1257089	12388917	0.241	0.324m#
14)	MA Endrin	6.569	5.780	181.1E6	1492.3E6	36.998	41.648
16)	A 4,4'-DDD	6.700	5.921	14075810	77511593	3.435	2.390 #
17)	MA 4,4'-DDT	7.016	6.173	276.6E6	2336.3E6	62.128	67.956
18)	B Endrin al...	6.913	6.248	1372095	16466233	0.400m	0.699 #
20)	A Methoxychlor	7.489	6.744	327.9E6	2401.9E6	139.161	138.039
21)	B Endrin ke...	7.626	6.982	3719838	29227687	0.752	0.810

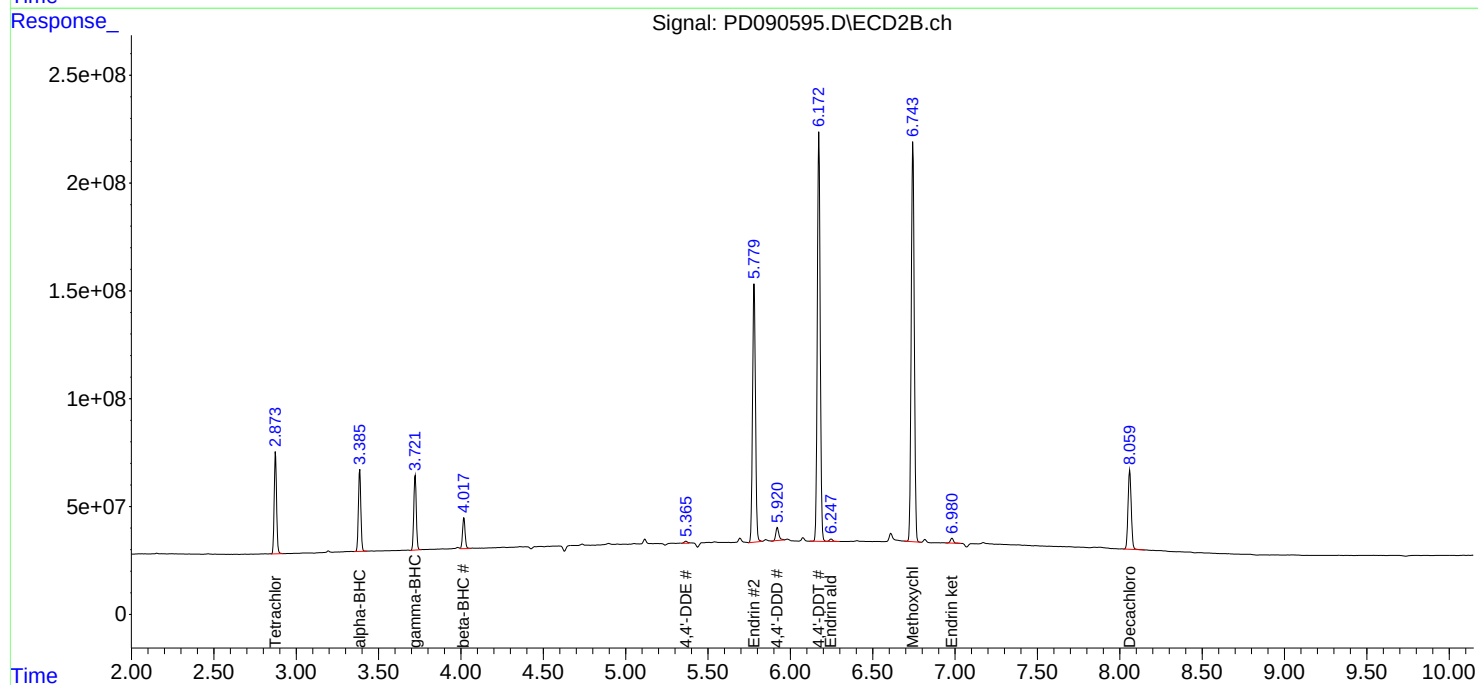
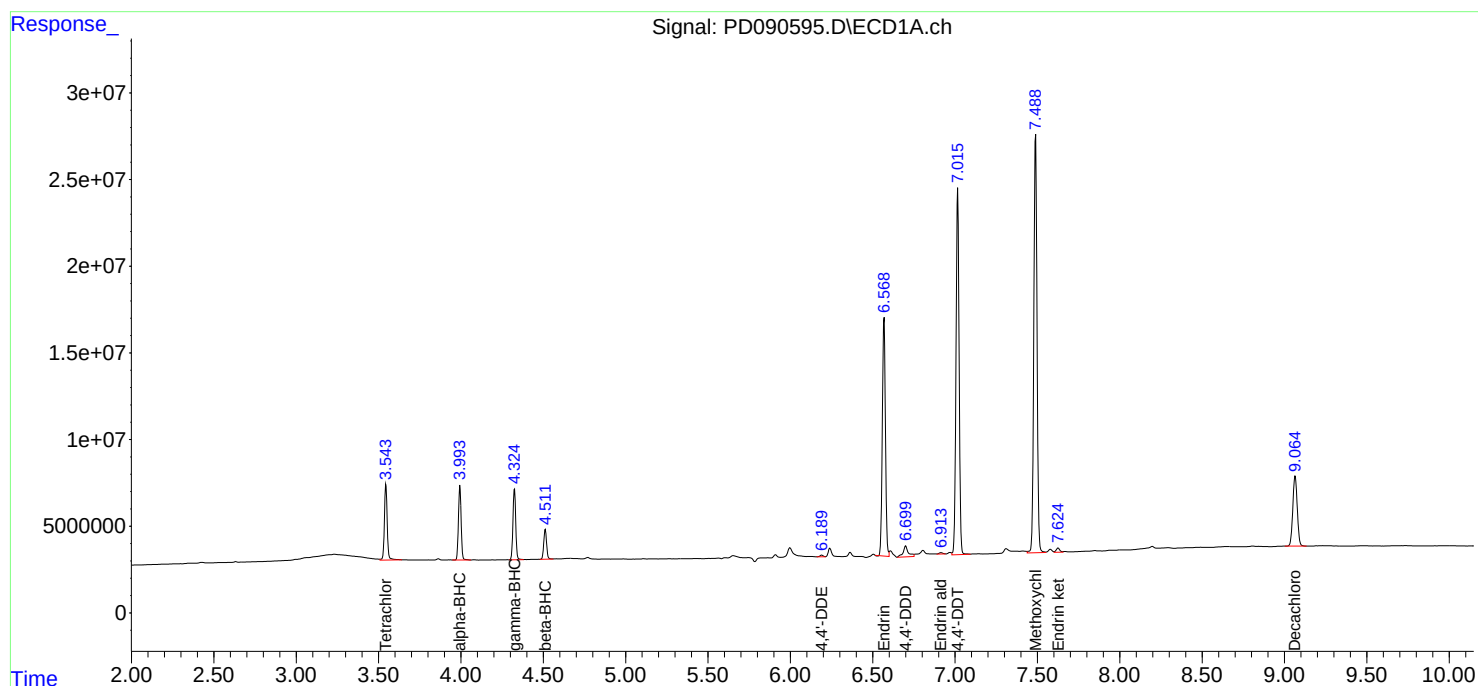
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 09:33
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:08:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090613.D Date Analyzed: 10/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 17:41

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.067	8.970	9.170	15.180	20.000	-24.1
Tetrachloro-m-xylene	3.546	3.500	3.600	15.910	20.000	-20.5
alpha-BHC	3.995	3.940	4.050	6.840	10.000	-31.6
beta-BHC	4.513	4.460	4.560	7.820	10.000	-21.8
gamma-BHC (Lindane)	4.325	4.270	4.380	7.120	10.000	-28.8
Endrin	6.569	6.500	6.640	37.000	50.000	-26.0
4,4'-DDT	7.016	6.950	7.090	62.670	100.000	-37.3
Methoxychlor	7.489	7.420	7.560	145.870	250.000	-41.7

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090613.D Date Analyzed: 10/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 17:41

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.063	7.960	8.160	12.800	20.000	-36.0
Tetrachloro-m-xylene	2.876	2.830	2.930	16.200	20.000	-19.0
alpha-BHC	3.387	3.340	3.440	8.390	10.000	-16.1
beta-BHC	4.019	3.970	4.070	8.400	10.000	-16.0
gamma-BHC (Lindane)	3.724	3.670	3.770	8.360	10.000	-16.4
Endrin	5.781	5.710	5.850	39.590	50.000	-20.8
4,4'-DDT	6.175	6.100	6.250	64.010	100.000	-36.0
Methoxychlor	6.745	6.670	6.820	135.170	250.000	-45.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090613.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 17:41
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:36:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	51714629	444.7E6	15.910	16.200
28)	SA Decachlor...	9.067	8.063	73243977	414.8E6	15.180	12.797
Target Compounds							
2)	A alpha-BHC	3.995	3.387	47765692	367.4E6	6.839	8.391
3)	MA gamma-BHC...	4.325	3.724	47121739	340.4E6	7.121	8.357
6)	B beta-BHC	4.513	4.019	20178003	145.6E6	7.821	8.400
12)	B 4,4'-DDE	6.191	5.367	812176	9523209	0.156	0.249m#
14)	MA Endrin	6.569	5.781	181.1E6	1418.5E6	37.002	39.587
16)	A 4,4'-DDD	6.699	5.922	6014531	59358406	1.468m	1.830
17)	MA 4,4'-DDT	7.016	6.175	279.0E6	2200.5E6	62.671	64.006
18)	B Endrin al...	6.915	6.248	1034332	13124163	0.302m	0.557 #
20)	A Methoxychlor	7.489	6.745	343.7E6	2351.9E6	145.871	135.166
21)	B Endrin ke...	7.627	6.982	4702257	18493420	0.950	0.512 #

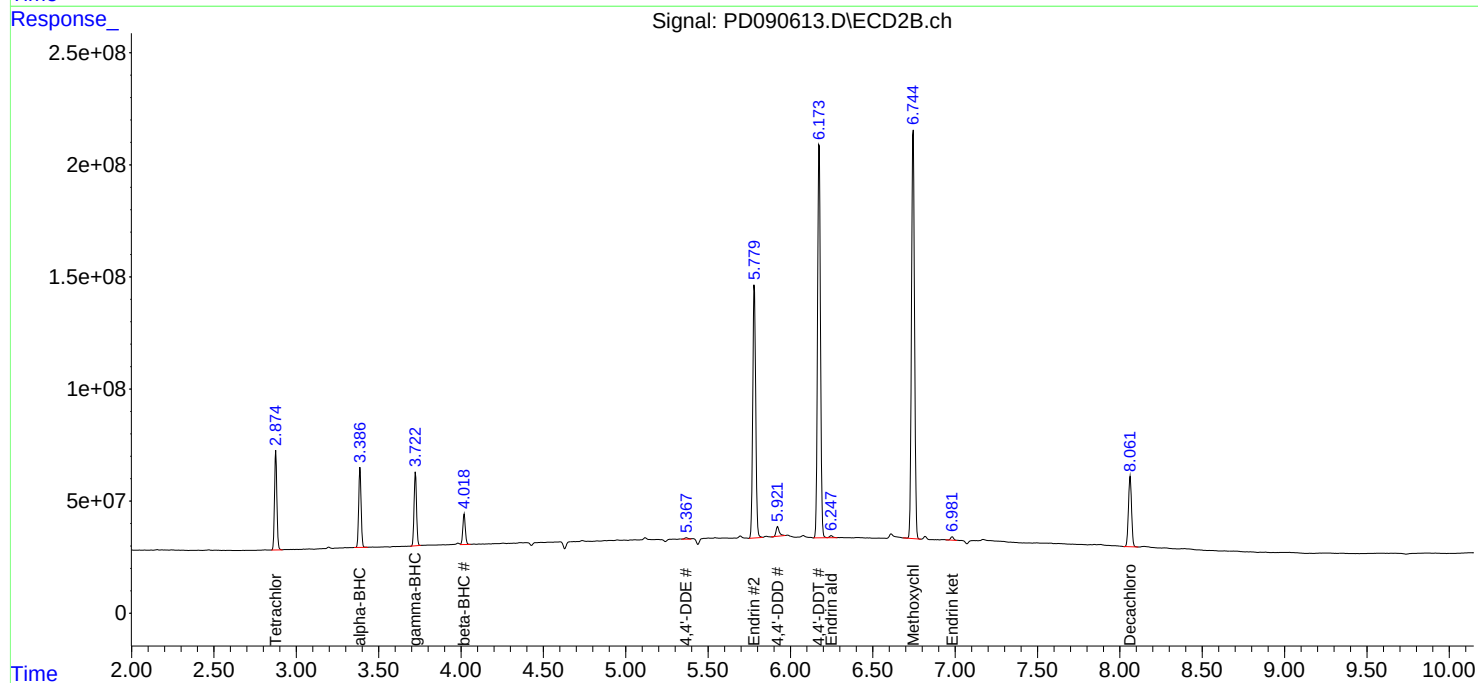
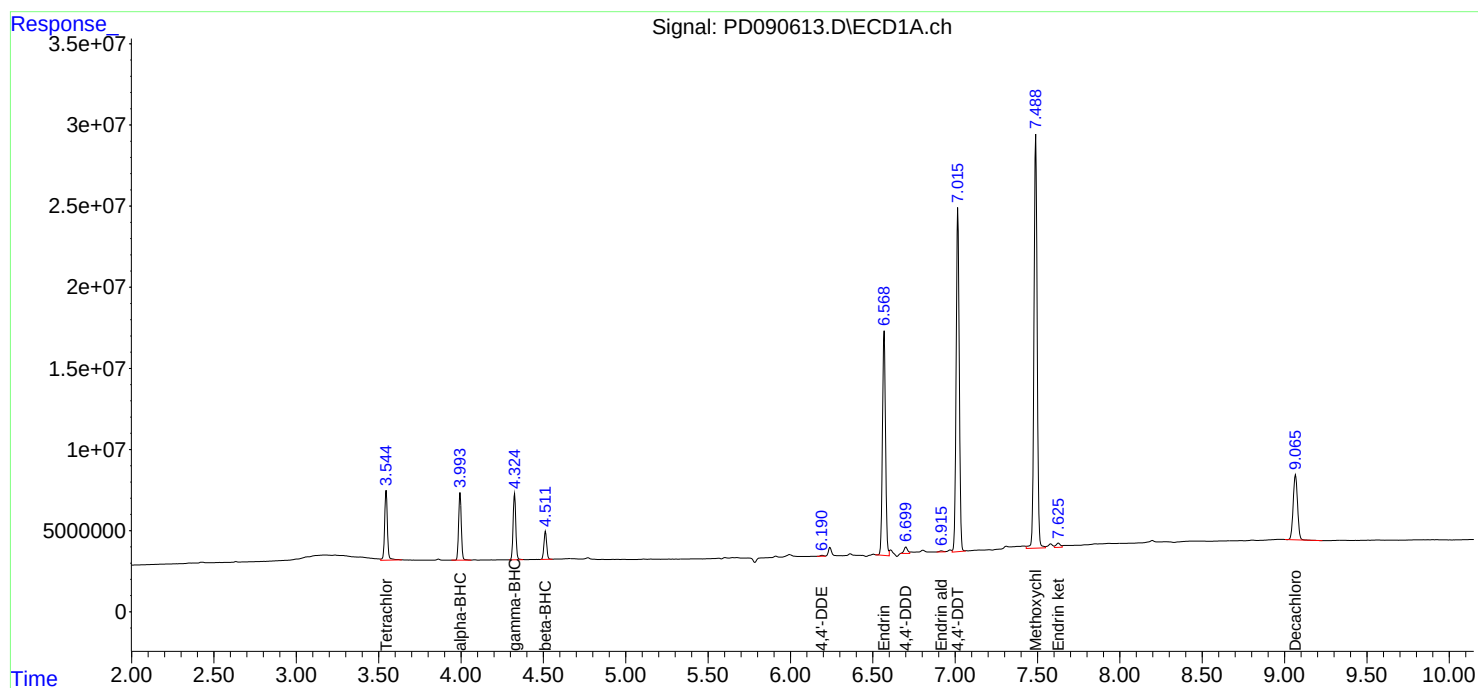
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 17:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:36:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Analytical Sequence

Client: Kleinfelder

SDG No.: Q3341

Project: Webster School

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/18/2025 09/18/2025

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 #
LBLK	LBLK	09/18/2025	09:49	PD090327.D	9.07	3.55
PEM	PEM	09/18/2025	10:03	PD090328.D	9.07	3.55
RESCHK	RESCHK	09/18/2025	10:16	PD090329.D	9.07	3.55
PSTDICC100	PSTDICC100	09/18/2025	10:30	PD090330.D	9.07	3.55
PSTDICC075	PSTDICC075	09/18/2025	10:43	PD090331.D	9.07	3.55
PSTDICC050	PSTDICC050	09/18/2025	10:57	PD090332.D	9.07	3.55
PSTDICC025	PSTDICC025	09/18/2025	11:11	PD090333.D	9.07	3.55
PSTDICC005	PSTDICC005	09/18/2025	11:24	PD090334.D	9.07	3.55
PCHLORICC500	PCHLORICC500	09/18/2025	12:05	PD090337.D	9.07	3.55
PTOXICC500	PTOXICC500	09/18/2025	13:12	PD090342.D	9.07	3.55
LBLK	LBLK	10/15/2025	09:19	PD090594.D	9.07	3.55
PEM	PEM	10/15/2025	09:33	PD090595.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/15/2025	09:46	PD090596.D	9.07	3.55
PB170103BL	PB170103BL	10/15/2025	12:13	PD090598.D	9.08	3.55
PB170103BS	PB170103BS	10/15/2025	12:27	PD090599.D	9.07	3.55
LBLK	LBLK	10/15/2025	15:13	PD090607.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/15/2025	16:33	PD090608.D	9.07	3.55
LBLK	LBLK	10/15/2025	17:27	PD090612.D	9.07	3.55
PEM	PEM	10/15/2025	17:41	PD090613.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/15/2025	17:55	PD090614.D	9.07	3.55
C-1	Q3341-01	10/15/2025	18:49	PD090615.D	9.07	3.54
C-1MS	Q3341-01MS	10/15/2025	19:03	PD090616.D	9.07	3.54
C-1MSD	Q3341-01MSD	10/15/2025	19:17	PD090617.D	9.07	3.54
C-2	Q3341-02	10/15/2025	19:30	PD090618.D	9.07	3.54
C-3	Q3341-03	10/15/2025	19:44	PD090619.D	9.07	3.54
LBLK	LBLK	10/15/2025	19:58	PD090620.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/15/2025	20:25	PD090622.D	9.07	3.55

Analytical Sequence

Client: Kleinfelder

SDG No.: Q3341

Project: Webster School

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/18/2025 09/18/2025

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	09/18/2025	09:49	PD090327.D	8.06	2.88
PEM	PEM	09/18/2025	10:03	PD090328.D	8.06	2.88
RESCHK	RESCHK	09/18/2025	10:16	PD090329.D	8.06	2.88
PSTDICC100	PSTDICC100	09/18/2025	10:30	PD090330.D	8.06	2.88
PSTDICC075	PSTDICC075	09/18/2025	10:43	PD090331.D	8.06	2.88
PSTDICC050	PSTDICC050	09/18/2025	10:57	PD090332.D	8.06	2.88
PSTDICC025	PSTDICC025	09/18/2025	11:11	PD090333.D	8.06	2.88
PSTDICC005	PSTDICC005	09/18/2025	11:24	PD090334.D	8.06	2.88
PCHLORICC500	PCHLORICC500	09/18/2025	12:05	PD090337.D	8.06	2.88
PTOXICC500	PTOXICC500	09/18/2025	13:12	PD090342.D	8.06	2.88
IBLK	IBLK	10/15/2025	09:19	PD090594.D	8.06	2.87
PEM	PEM	10/15/2025	09:33	PD090595.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/15/2025	09:46	PD090596.D	8.06	2.88
PB170103BL	PB170103BL	10/15/2025	12:13	PD090598.D	8.06	2.87
PB170103BS	PB170103BS	10/15/2025	12:27	PD090599.D	8.06	2.88
IBLK	IBLK	10/15/2025	15:13	PD090607.D	8.06	2.88
PSTDCCC050	PSTDCCC050	10/15/2025	16:33	PD090608.D	8.06	2.88
IBLK	IBLK	10/15/2025	17:27	PD090612.D	8.06	2.88
PEM	PEM	10/15/2025	17:41	PD090613.D	8.06	2.88
PSTDCCC050	PSTDCCC050	10/15/2025	17:55	PD090614.D	8.06	2.88
C-1	Q3341-01	10/15/2025	18:49	PD090615.D	8.06	2.87
C-1MS	Q3341-01MS	10/15/2025	19:03	PD090616.D	8.06	2.87
C-1MSD	Q3341-01MSD	10/15/2025	19:17	PD090617.D	8.06	2.88
C-2	Q3341-02	10/15/2025	19:30	PD090618.D	8.06	2.88
C-3	Q3341-03	10/15/2025	19:44	PD090619.D	8.06	2.87
IBLK	IBLK	10/15/2025	19:58	PD090620.D	8.06	2.88
PSTDCCC050	PSTDCCC050	10/15/2025	20:25	PD090622.D	8.06	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

C-1MS

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Lab Sample ID: Q3341-01MS

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	20.4	6.6
	2	5.92	5.87	5.97	19.1	
4,4'-DDT	1	7.02	6.97	7.07	18.1	0
	2	6.17	6.12	6.22	18.1	
Aldrin	1	5.27	5.22	5.32	21.2	0.5
	2	4.36	4.31	4.41	21.3	
4,4'-DDE	1	6.19	6.14	6.24	19.9	3.9
	2	5.37	5.32	5.42	20.7	
Dieldrin	1	6.34	6.29	6.39	20.3	2.9
	2	5.50	5.45	5.55	20.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

C-1MSD

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Lab Sample ID: Q3341-01MSD

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	20.0	6.7
	2	5.92	5.87	5.97	18.7	
4,4'-DDT	1	7.02	6.97	7.07	17.7	0
	2	6.17	6.12	6.22	17.7	
Aldrin	1	5.26	5.21	5.31	20.6	0
	2	4.36	4.31	4.41	20.6	
4,4'-DDE	1	6.19	6.14	6.24	19.4	3.5
	2	5.37	5.32	5.42	20.1	
Dieldrin	1	6.34	6.29	6.39	19.8	2.5
	2	5.50	5.45	5.55	20.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170103BS

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3341

Lab Sample ID: PB170103BS

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	17.6	2.8
	2	5.92	5.87	5.97	18.1	
4,4'-DDT	1	7.02	6.97	7.07	14.8	4.6
	2	6.17	6.12	6.22	15.5	
Aldrin	1	5.27	5.22	5.32	17.6	4.4
	2	4.36	4.31	4.41	18.4	
4,4'-DDE	1	6.19	6.14	6.24	17.5	5
	2	5.37	5.32	5.42	18.4	
Dieldrin	1	6.34	6.29	6.39	17.4	5
	2	5.50	5.45	5.55	18.3	



QC SAMPLE DATA



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

Report of Analysis

Client:	Kleinfelder		Date Collected:	
Project:	Webster School		Date Received:	
Client Sample ID:	PB170103BL		SDG No.:	Q3341
Lab Sample ID:	PB170103BL		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/15/25	PESTICIDE Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	0.12	U	1	0.12	1.70	ug/kg	10/15/25 12:13	PB170103
60-57-1	Dieldrin	0.14	U	1	0.14	1.70	ug/kg	10/15/25 12:13	PB170103
72-55-9	4,4-DDE	0.14	U	1	0.14	1.70	ug/kg	10/15/25 12:13	PB170103
72-54-8	4,4-DDD	0.15	U	1	0.15	1.70	ug/kg	10/15/25 12:13	PB170103
50-29-3	4,4-DDT	0.14	U	1	0.14	1.70	ug/kg	10/15/25 12:13	PB170103
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.9			20 - 144	85%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.6			19 - 148	88%	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_D\Data\PD101525\
Data File : PD090598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 12:13
Operator : AR\AJ
Sample : PB170103BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170103BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:09:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.874	51760664	483.0E6	15.924	17.596
28)	SA Decachlor...	9.075	8.063	81700595	523.6E6	16.933	16.154

Target Compounds

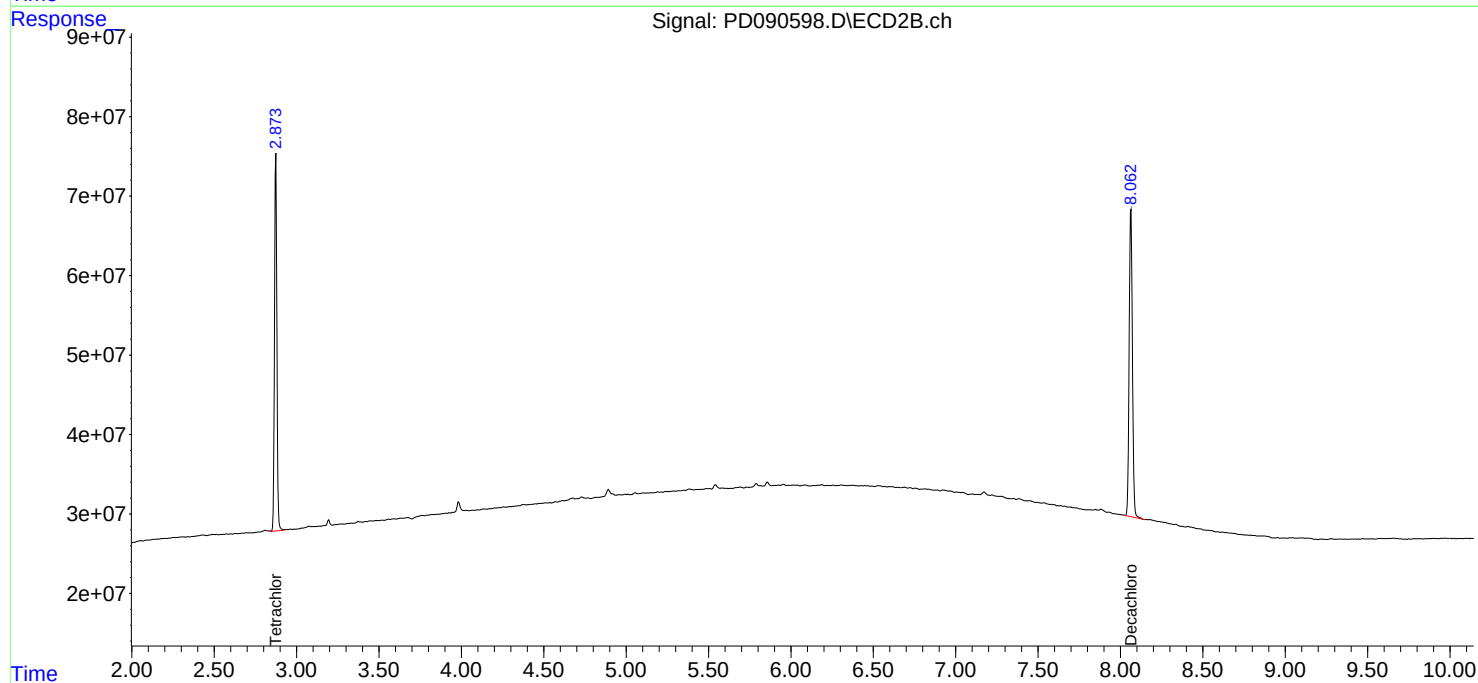
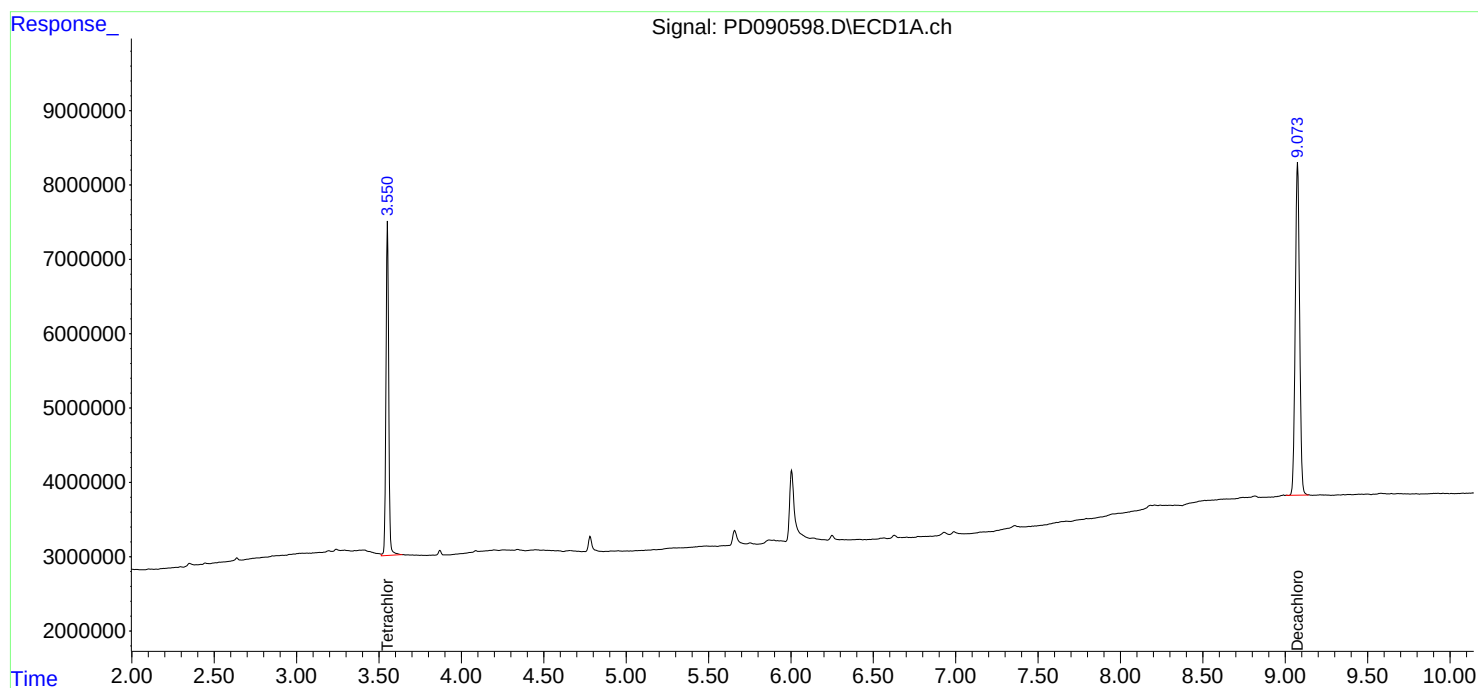
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

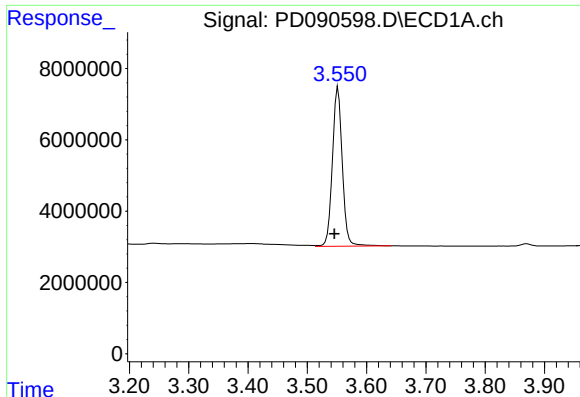
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 12:13
Operator : AR\AJ
Sample : PB170103BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170103BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:09:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

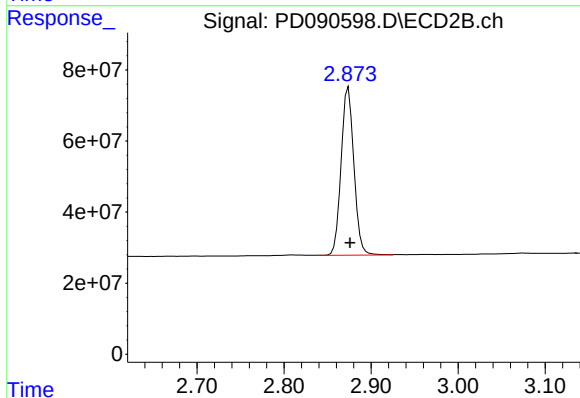




#1 Tetrachloro-m-xylene

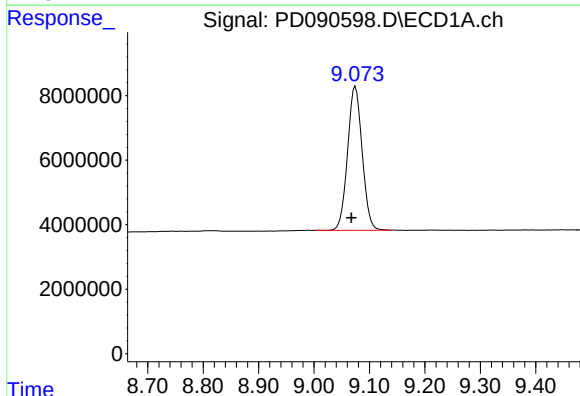
R.T.: 3.552 min
Delta R.T.: 0.006 min
Response: 51760664
Conc: 15.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170103BL



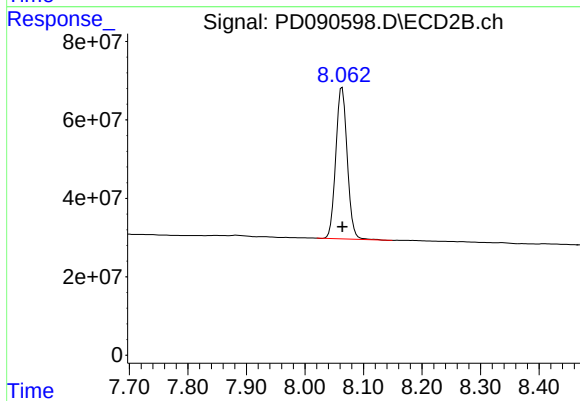
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 483003010
Conc: 17.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.007 min
Response: 81700595
Conc: 16.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 523621227
Conc: 16.15 ng/ml



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

Report of Analysis

Client:	Kleinfelder		Date Collected:	09/18/25
Project:	Webster School		Date Received:	09/18/25
Client Sample ID:	PIBLK-PD090327.D		SDG No.:	Q3341
Lab Sample ID:	I.BLK-PD090327.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	3510C	Prep Date:		PESTICIDE Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	09/18/25	pd091825
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	09/18/25	pd091825
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	09/18/25	pd091825
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	09/18/25	pd091825
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	09/18/25	pd091825
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.6			57 - 171	88%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.9			61 - 148	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_D\Data\PD091825\
Data File : PD090327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 09:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:53:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	53680424	464.5E6	16.515	16.922
28)	SA Decachlor...	9.067	8.063	84762935	556.2E6	17.567	17.160

Target Compounds

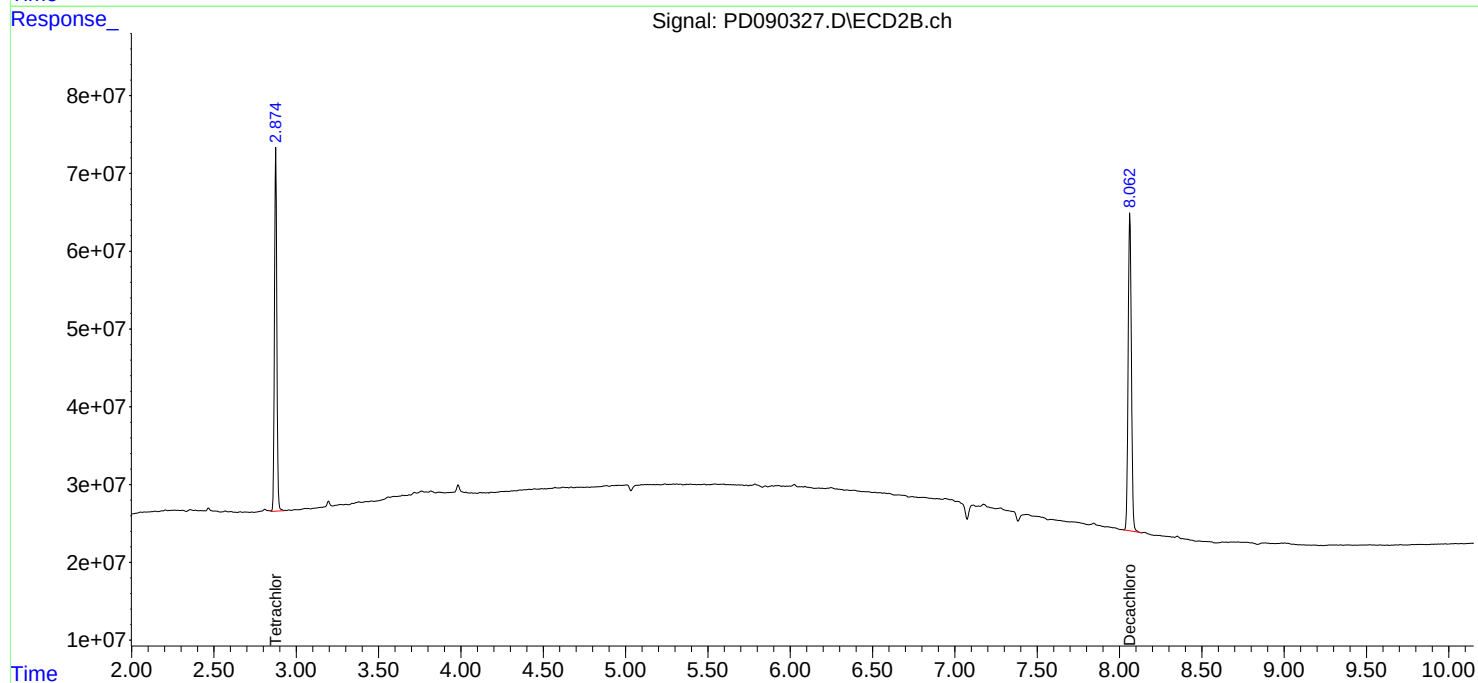
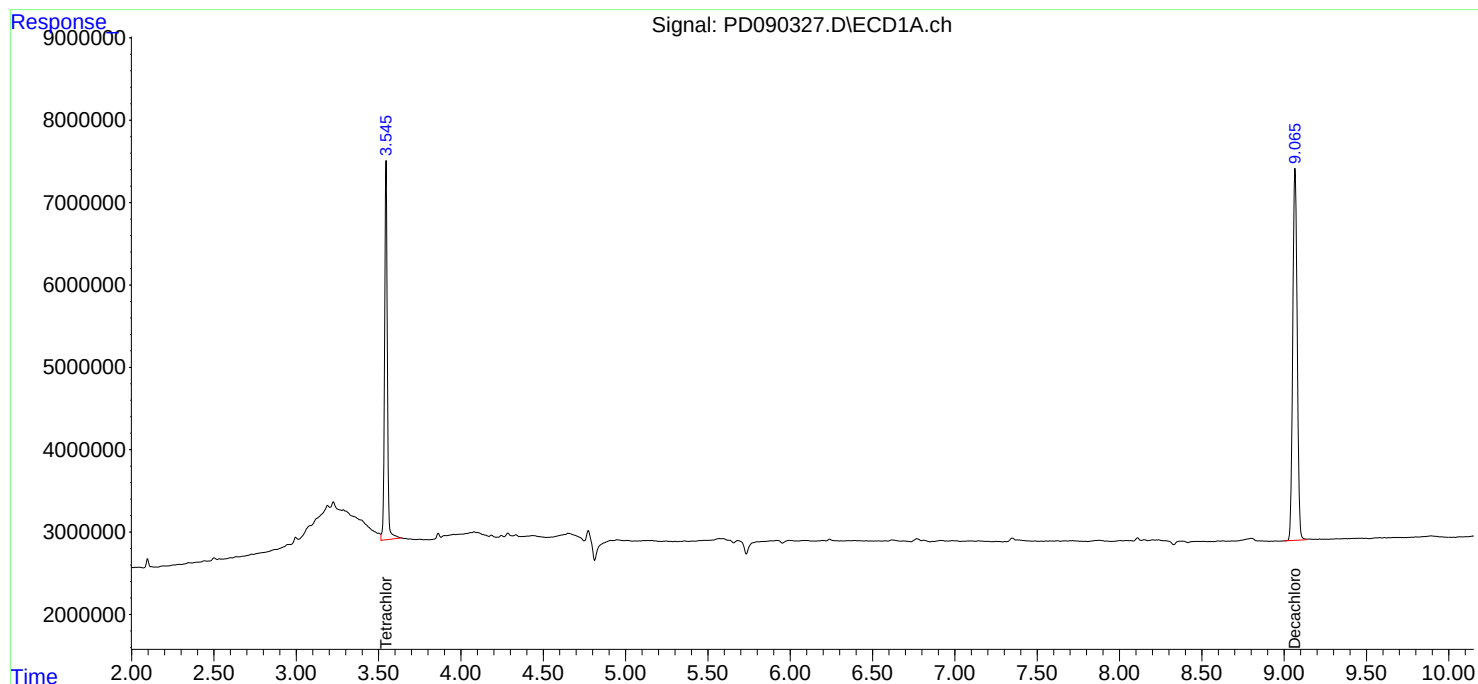
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

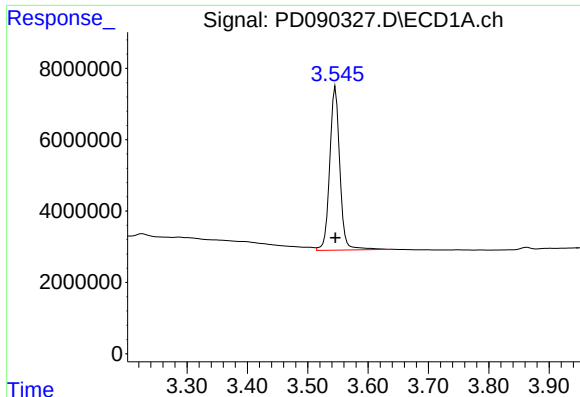
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 09:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:53:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

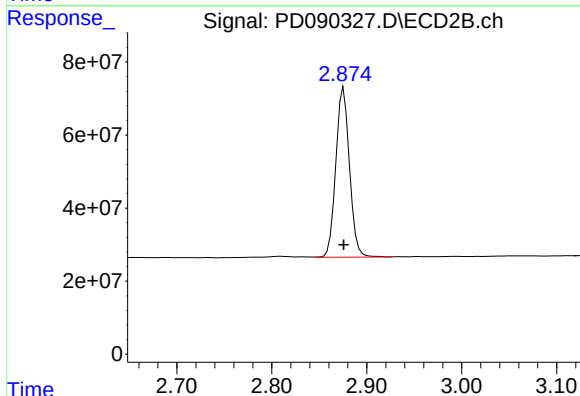




#1 Tetrachloro-m-xylene

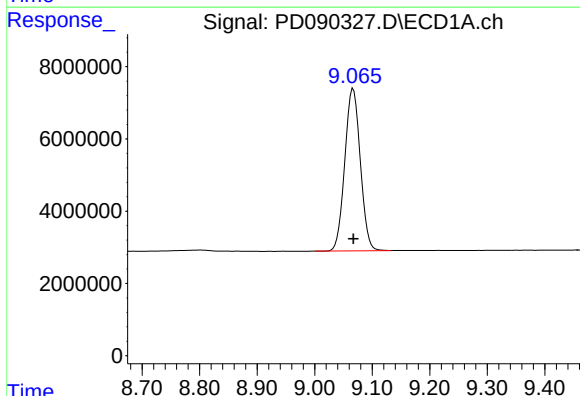
R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 53680424
Conc: 16.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



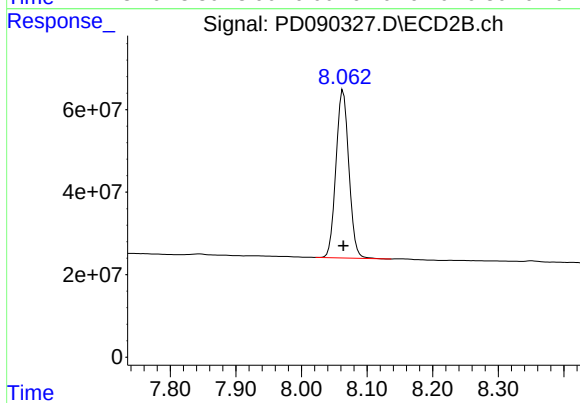
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 464498064
Conc: 16.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 84762935
Conc: 17.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 556238349
Conc: 17.16 ng/ml

Report of Analysis

Client: Kleinfelder	Date Collected: 10/15/25	
Project: Webster School	Date Received: 10/15/25	
Client Sample ID: PIBLK-PD090594.D	SDG No.: Q3341	
Lab Sample ID: I.BLK-PD090594.D	Matrix: WATER	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 1000 mL	Final Vol: 10000 uL	Test: PESTICIDE Group1
Prep Method: 3510C	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/15/25	pd101525
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/15/25	pd101525
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/15/25	pd101525
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/15/25	pd101525
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/15/25	pd101525
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.1			57 - 171	85%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.8			61 - 148	94%	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_D\Data\PD101525\
Data File : PD090594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 09:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:08:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.874	55761069	514.8E6	17.155	18.755
28)	SA Decachlor...	9.065	8.061	82334559	535.6E6	17.064	16.523

Target Compounds

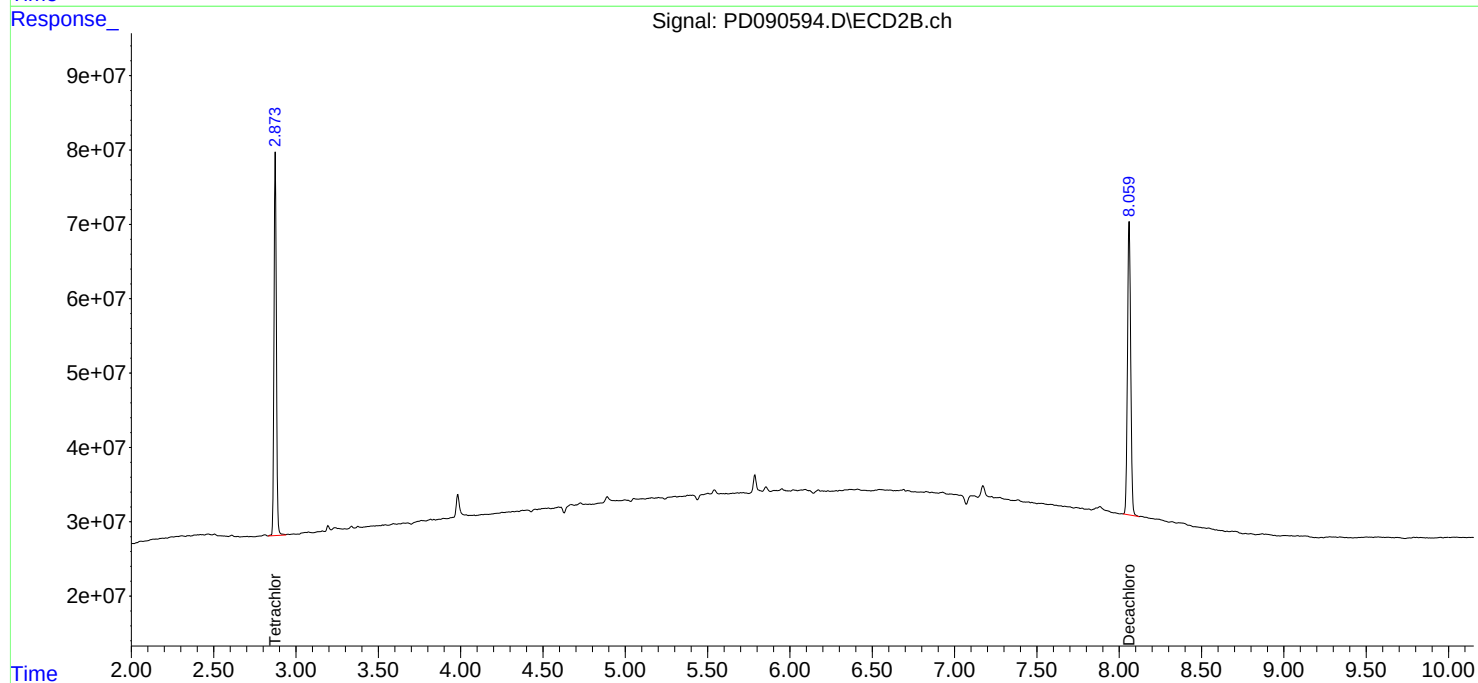
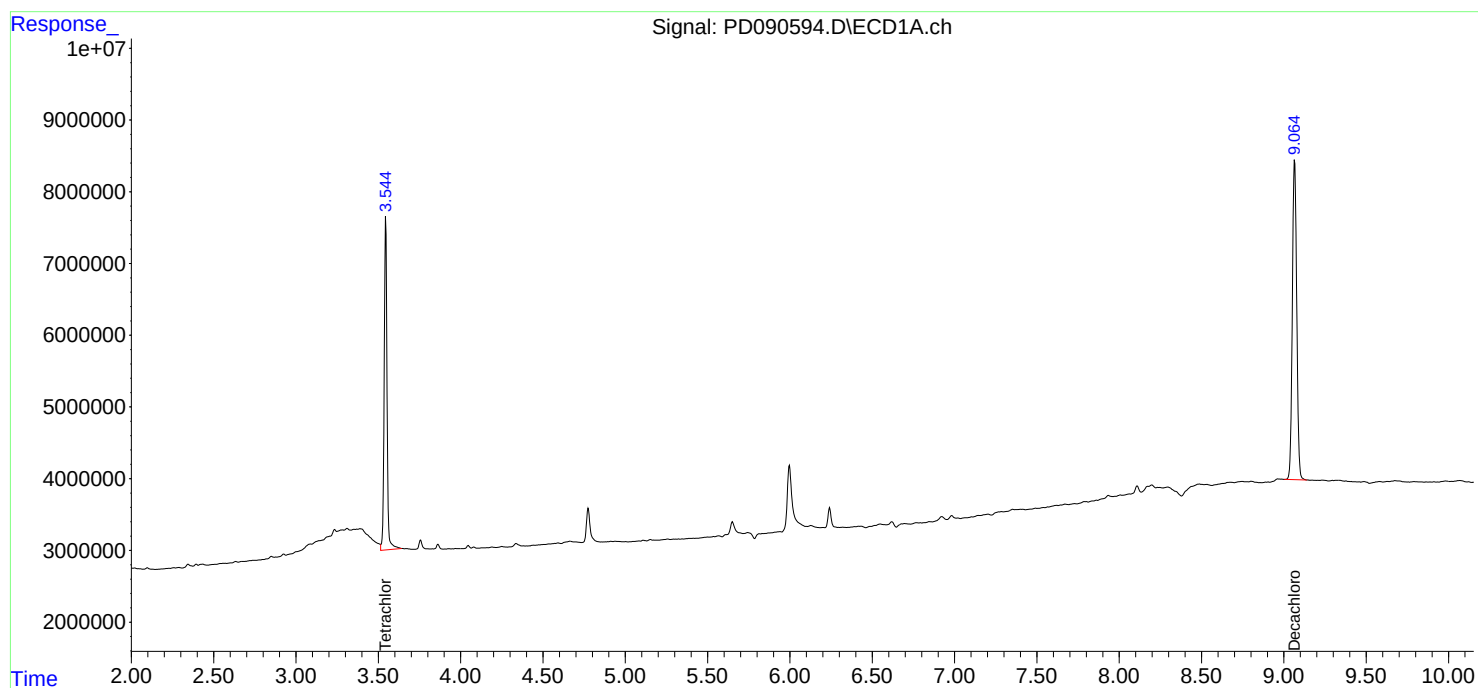
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

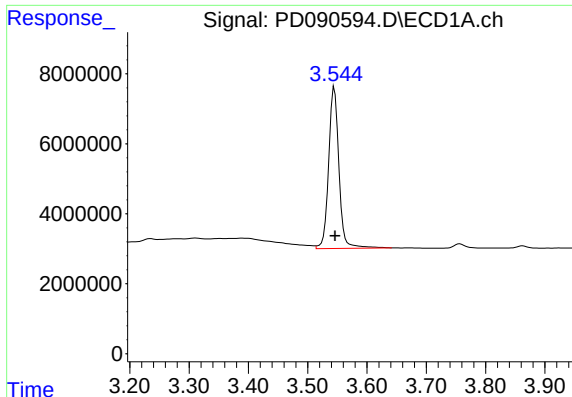
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 09:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:08:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

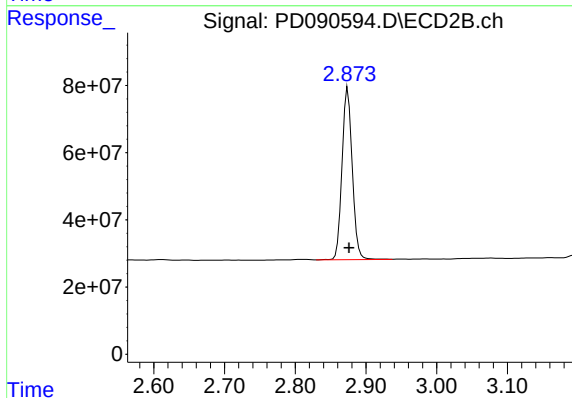




#1 Tetrachloro-m-xylene

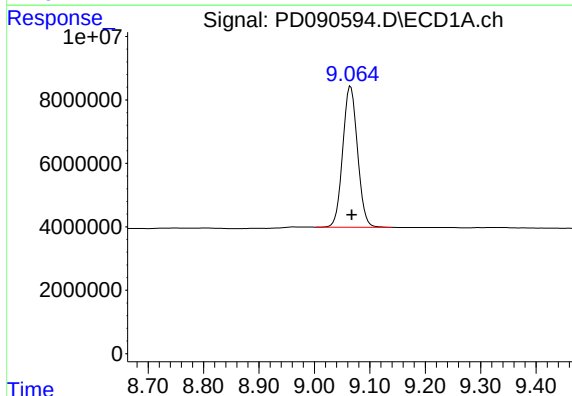
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 55761069
Conc: 17.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



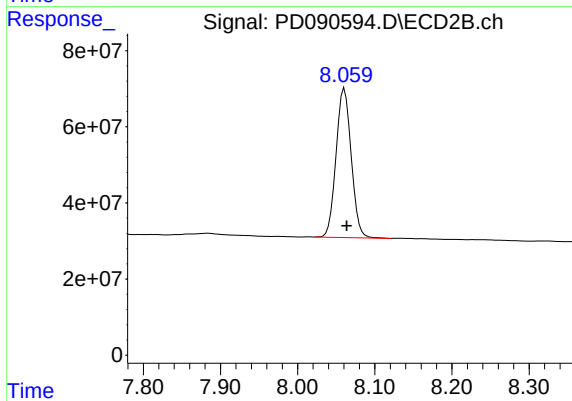
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 514813033
Conc: 18.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.002 min
Response: 82334559
Conc: 17.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 535590173
Conc: 16.52 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder		Date Collected:	10/15/25
Project:	Webster School		Date Received:	10/15/25
Client Sample ID:	PIBLK-PD090607.D		SDG No.:	Q3341
Lab Sample ID:	I.BLK-PD090607.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	3510C	Prep Date:		PESTICIDE Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/15/25	pd101525
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/15/25	pd101525
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/15/25	pd101525
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/15/25	pd101525
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/15/25	pd101525
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.8			57 - 171	104%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.2			61 - 148	106%	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_D\Data\PD101525\
Data File : PD090607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 15:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:13:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.875	60220119	582.9E6	18.527	21.233
28)	SA Decachlor...	9.067	8.063	100.6E6	509.9E6	20.839	15.731

Target Compounds

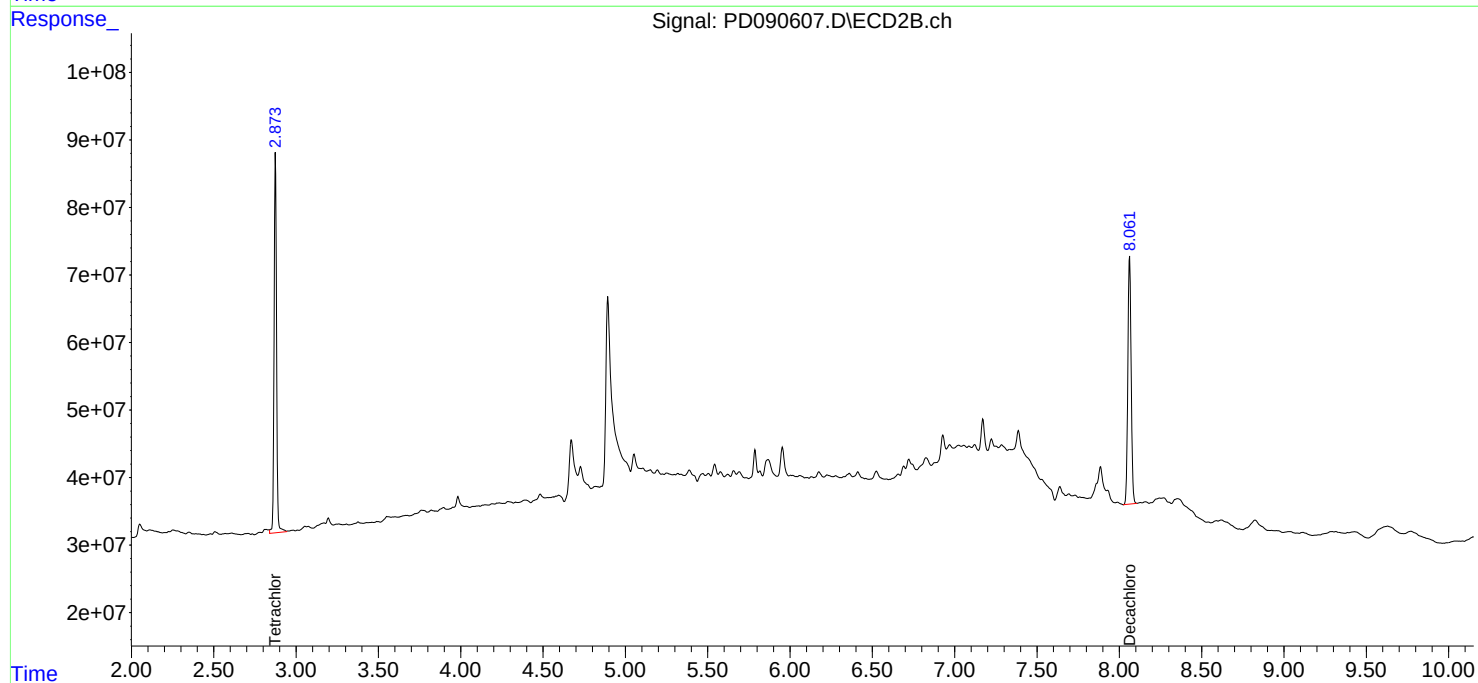
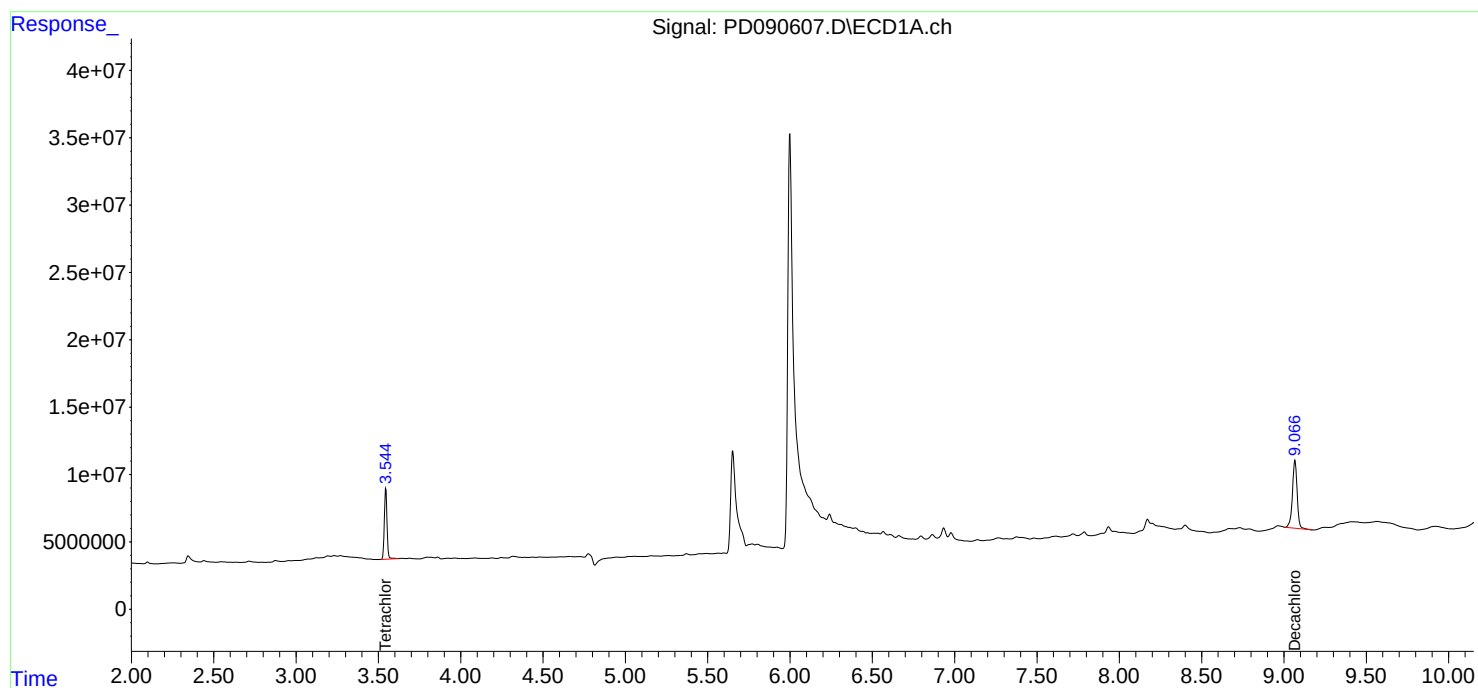
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

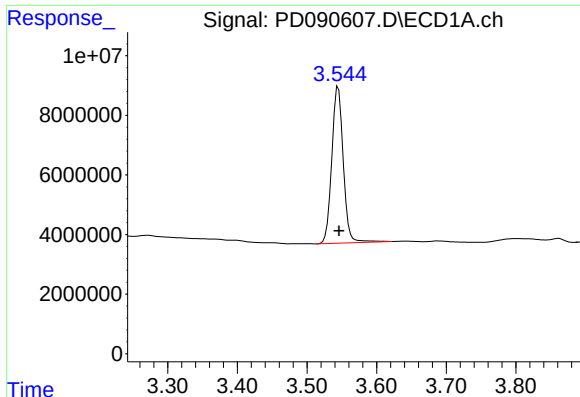
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 15:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:13:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

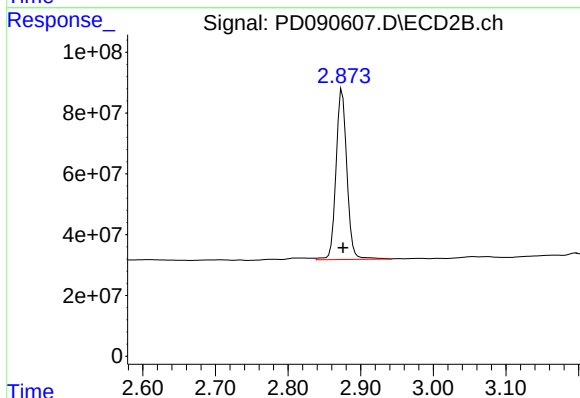




#1 Tetrachloro-m-xylene

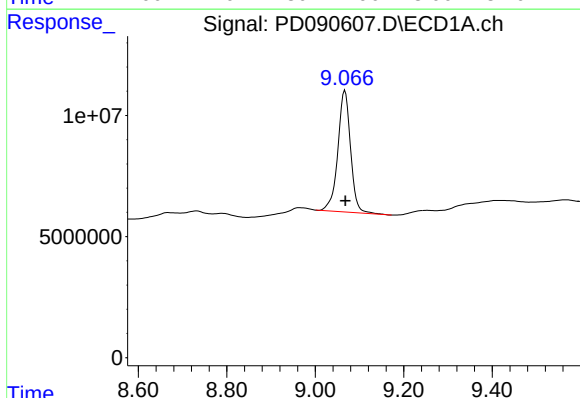
R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 60220119
Conc: 18.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



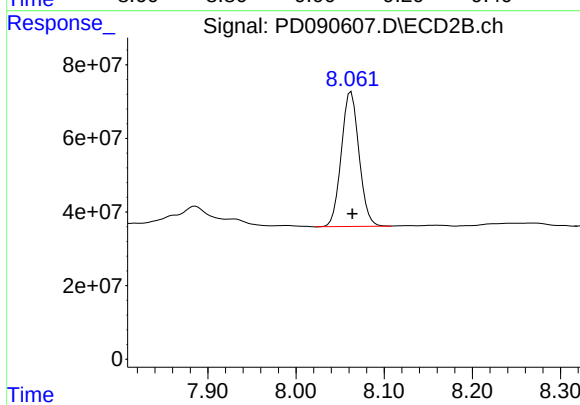
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 582857761
Conc: 21.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 100550032
Conc: 20.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 509911651
Conc: 15.73 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder		Date Collected:	10/15/25
Project:	Webster School		Date Received:	10/15/25
Client Sample ID:	PIBLK-PD090612.D		SDG No.:	Q3341
Lab Sample ID:	I.BLK-PD090612.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	3510C	Prep Date:	PESTICIDE Group1	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/15/25	pd101525
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/15/25	pd101525
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/15/25	pd101525
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/15/25	pd101525
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/15/25	pd101525
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.1			57 - 171	100%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.6			61 - 148	108%	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_D\Data\PD101525\
 Data File : PD090612.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 17:27
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:35:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.877	66147017	594.1E6	20.350	21.642
28)	SA Decachlor...	9.067	8.063	96764318	572.0E6	20.055	17.646

Target Compounds

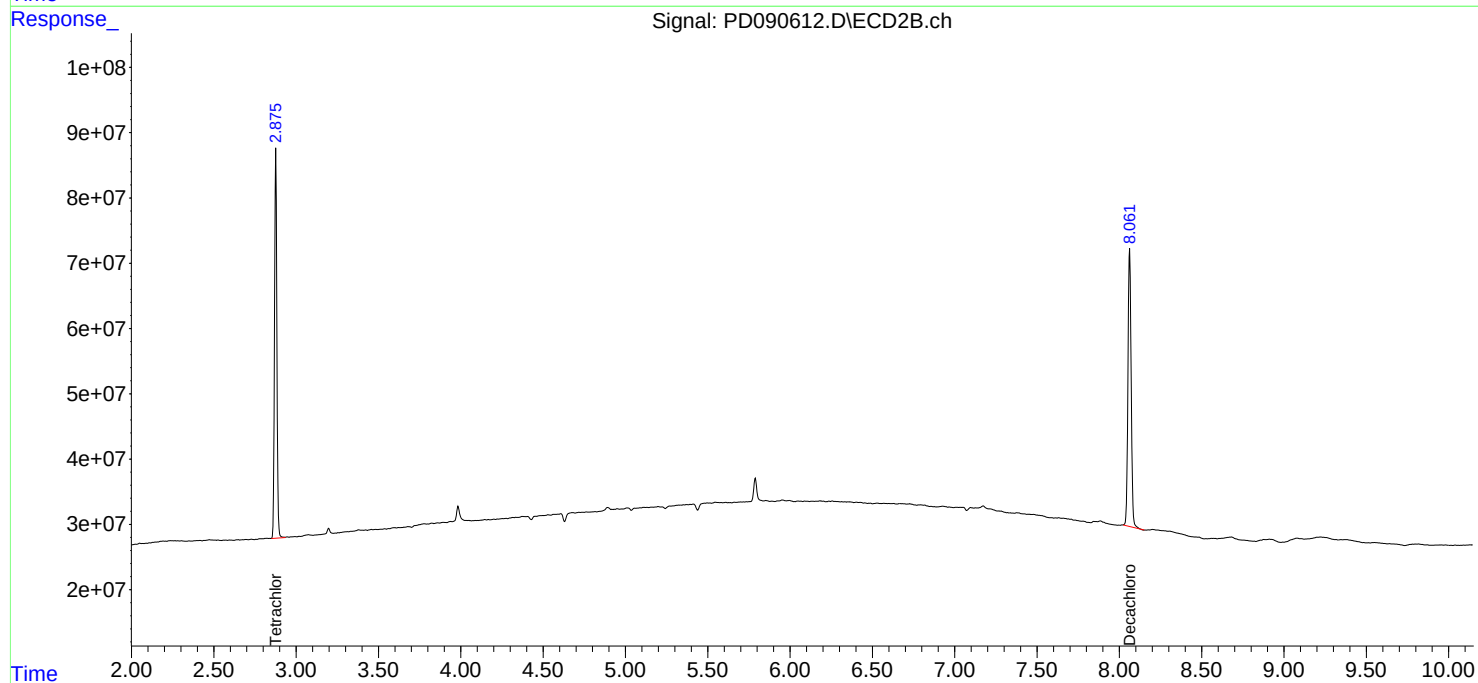
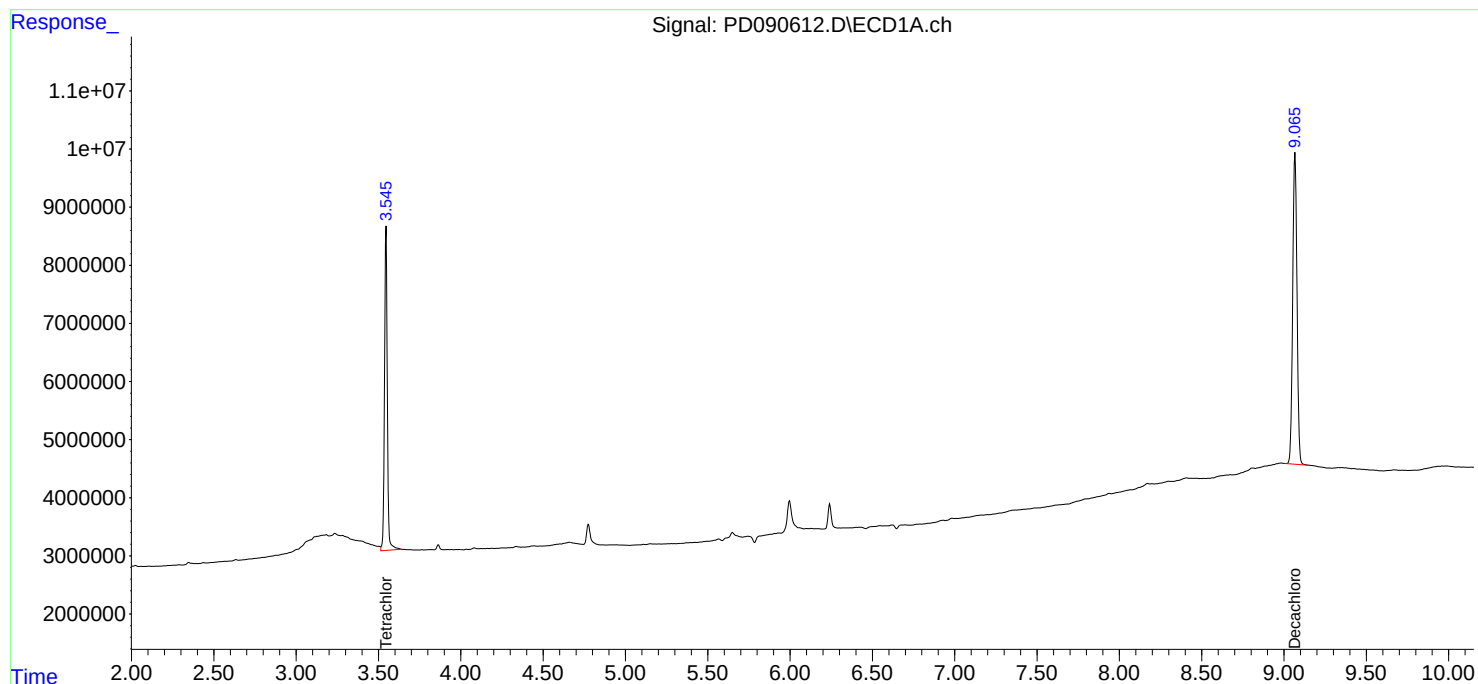
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

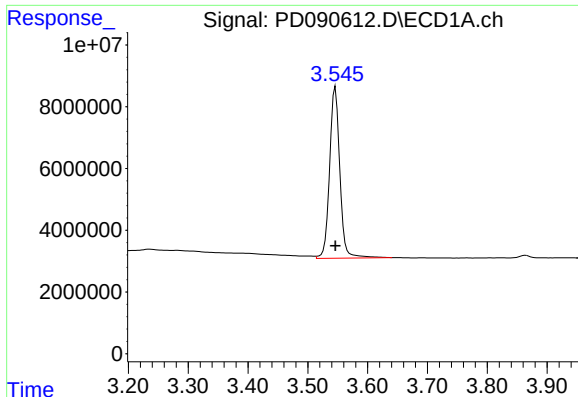
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 17:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:35:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

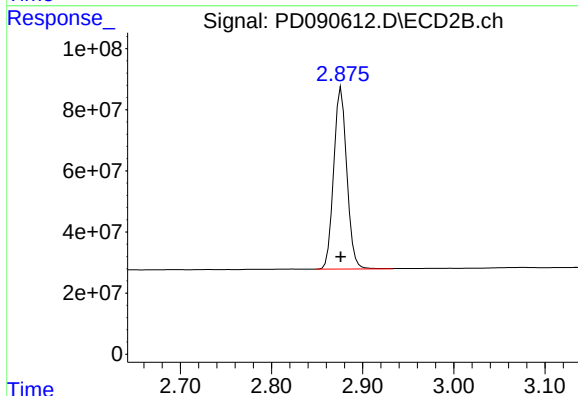




#1 Tetrachloro-m-xylene

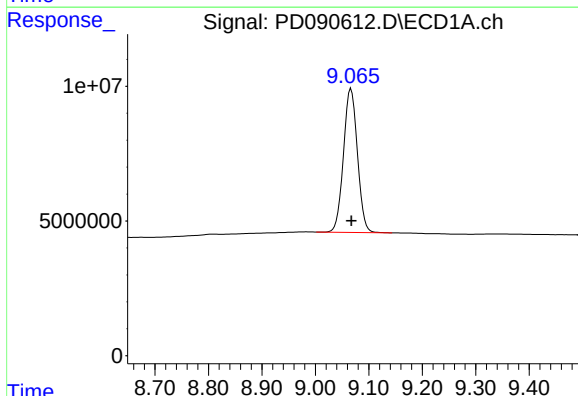
R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 66147017
Conc: 20.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



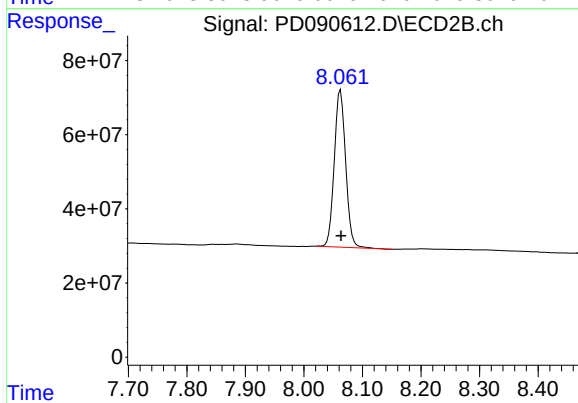
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 594069883
Conc: 21.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 96764318
Conc: 20.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 572000743
Conc: 17.65 ng/ml



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Report of Analysis

Client:	Kleinfelder		Date Collected:	10/15/25
Project:	Webster School		Date Received:	10/15/25
Client Sample ID:	PIBLK-PD090620.D		SDG No.:	Q3341
Lab Sample ID:	I.BLK-PD090620.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	3510C	Prep Date:	PESTICIDE Group1	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	0.0036	U	1	0.0036	0.050	ug/L	10/15/25	pd101525
60-57-1	Dieldrin	0.0036	U	1	0.0036	0.050	ug/L	10/15/25	pd101525
72-55-9	4,4-DDE	0.0037	U	1	0.0037	0.050	ug/L	10/15/25	pd101525
72-54-8	4,4-DDD	0.0071	U	1	0.0071	0.050	ug/L	10/15/25	pd101525
50-29-3	4,4-DDT	0.0035	U	1	0.0035	0.050	ug/L	10/15/25	pd101525
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.5			57 - 171	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.0			61 - 148	110%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 19:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:46:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.876	66537896	603.0E6	20.470	21.967
28)	SA Decachlor...	9.065	8.062	99041153	575.4E6	20.526	17.751

Target Compounds

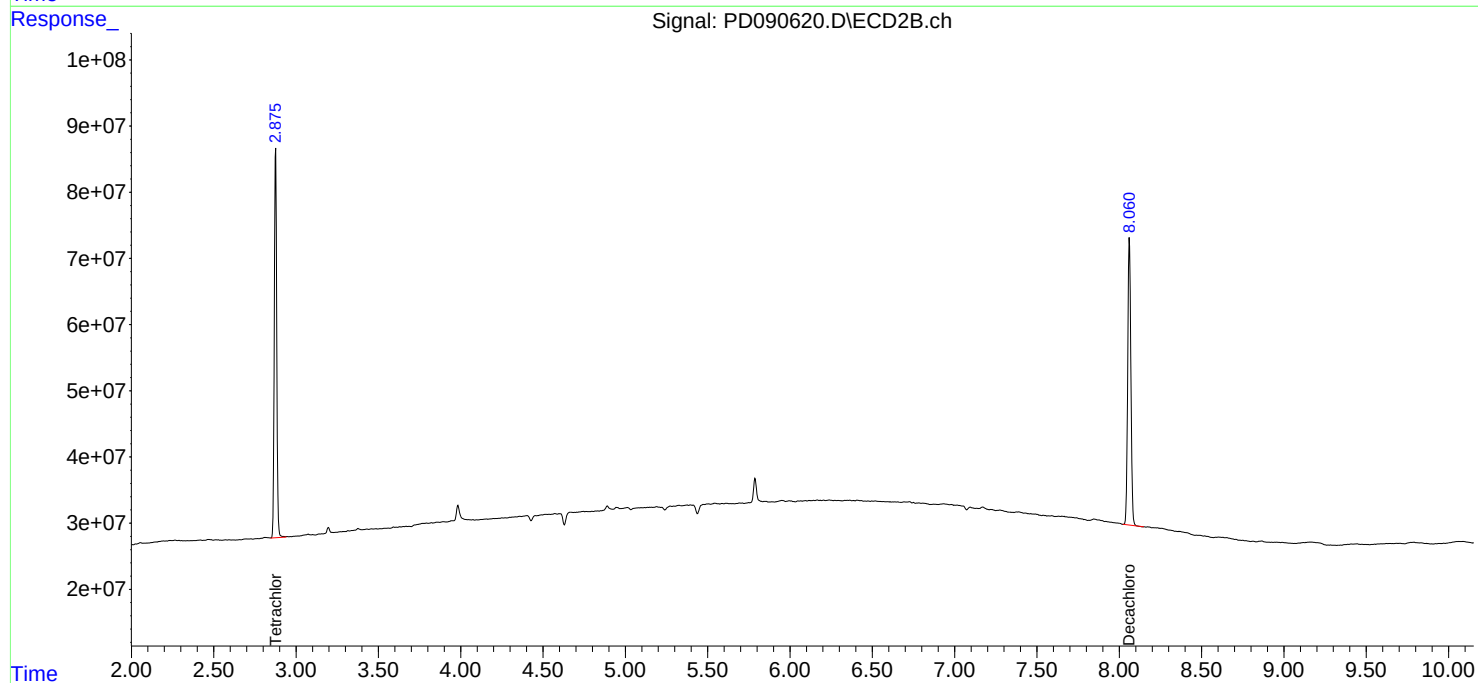
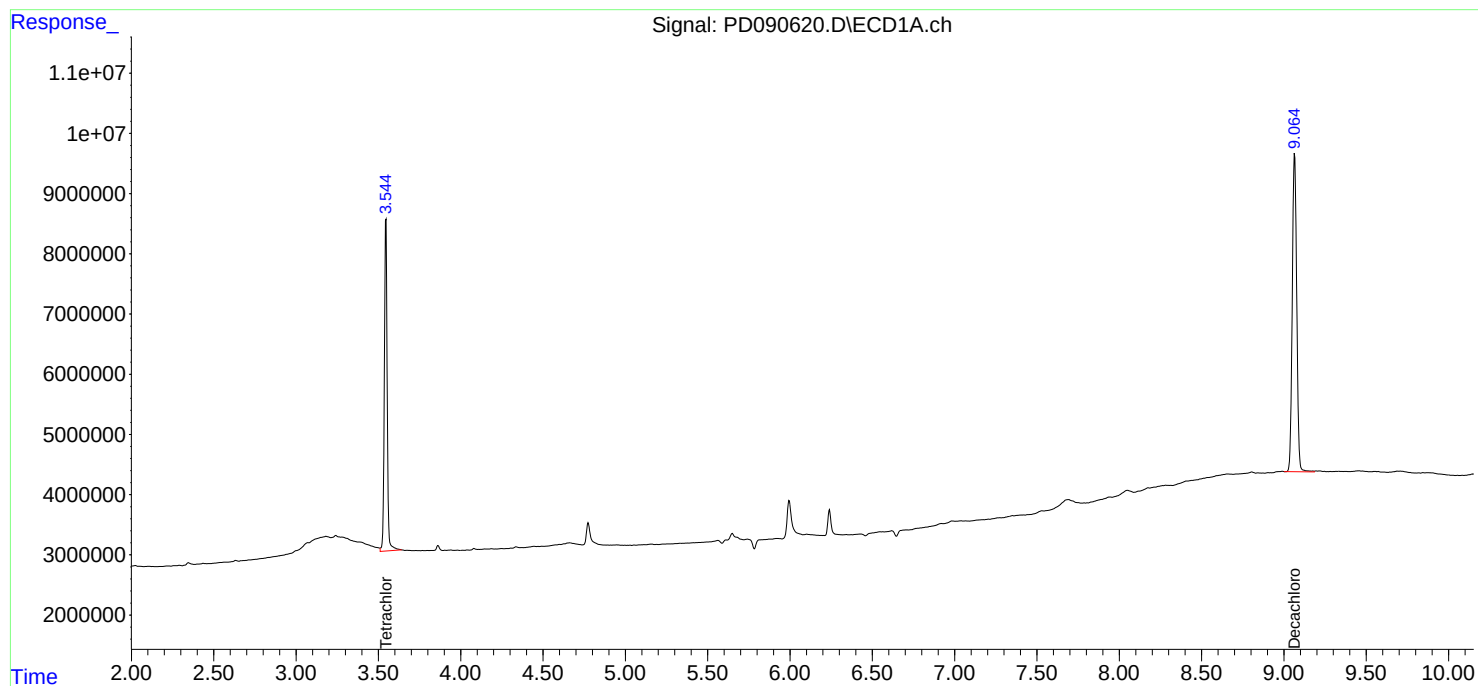
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

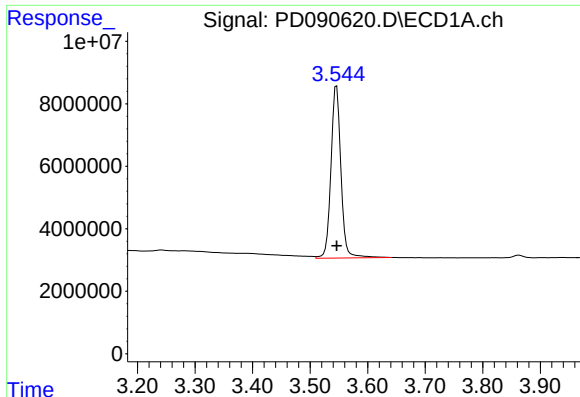
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 19:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:46:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

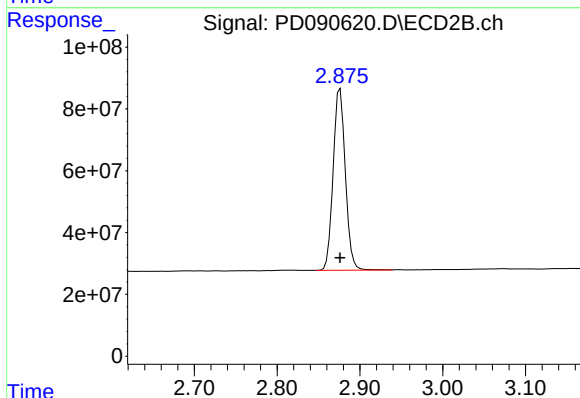




#1 Tetrachloro-m-xylene

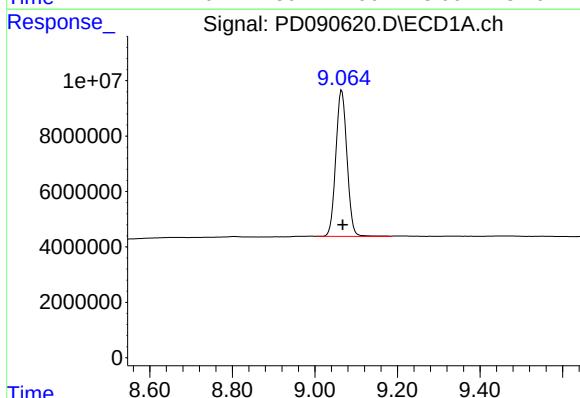
R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 66537896
Conc: 20.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



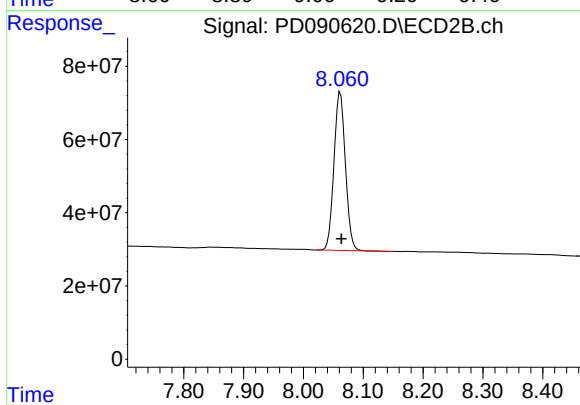
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 602992940
Conc: 21.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.003 min
Response: 99041153
Conc: 20.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 575388005
Conc: 17.75 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder		Date Collected:	
Project:	Webster School		Date Received:	
Client Sample ID:	PB170103BS		SDG No.:	Q3341
Lab Sample ID:	PB170103BS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/15/25	PESTICIDE Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	18.4		1	0.12	1.70	ug/kg	10/15/25 12:27	PB170103
60-57-1	Dieldrin	18.3		1	0.14	1.70	ug/kg	10/15/25 12:27	PB170103
72-55-9	4,4-DDE	18.4		1	0.14	1.70	ug/kg	10/15/25 12:27	PB170103
72-54-8	4,4-DDD	18.1		1	0.15	1.70	ug/kg	10/15/25 12:27	PB170103
50-29-3	4,4-DDT	15.5		1	0.14	1.70	ug/kg	10/15/25 12:27	PB170103
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.0			20 - 144	105%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.4			19 - 148	92%	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_D\Data\PD101525\
 Data File : PD090599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 12:27
 Operator : AR\AJ
 Sample : PB170103BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170103BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:10:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.875	55169322	504.9E6	16.973	18.392
28)	SA Decachlor...	9.067	8.062	101.5E6	655.5E6	21.045	20.221
Target Compounds							
2)	A alpha-BHC	3.995	3.386	371.2E6	2415.7E6	53.141	55.174
3)	MA gamma-BHC...	4.325	3.723	348.7E6	2237.5E6	52.692	54.926
4)	MA Heptachlor	4.924	4.075	282.4E6	2043.8E6	42.704	50.195
5)	MB Aldrin	5.265	4.360	336.2E6	2204.7E6	52.943	55.208
6)	B beta-BHC	4.512	4.019	130.6E6	940.3E6	50.619	54.243
7)	B delta-BHC	4.759	4.255	351.0E6	2273.4E6	54.348m	55.054
8)	B Heptachlo...	5.685	4.864	299.0E6	2012.6E6	52.314	54.594
9)	A Endosulfan I	6.069	5.238	276.6E6	1835.5E6	51.209	53.042
10)	B gamma-Chl...	5.941	5.117	300.9E6	2175.8E6	52.678	55.383
11)	B alpha-Chl...	6.020	5.181	311.9E6	2075.6E6	54.150m	55.106
12)	B 4,4'-DDE	6.191	5.366	273.0E6	2113.0E6	52.424	55.199
13)	MA Dieldrin	6.342	5.504	301.3E6	2142.3E6	52.269	55.008
14)	MA Endrin	6.569	5.781	256.0E6	2005.2E6	52.318	55.960
15)	B Endosulfa...	6.781	6.072	262.8E6	1829.8E6	53.882	54.214
16)	A 4,4'-DDD	6.701	5.920	216.8E6	1764.4E6	52.908	54.411
17)	MA 4,4'-DDT	7.016	6.174	197.7E6	1597.6E6	44.408	46.469
18)	B Endrin al...	6.911	6.250	189.9E6	1358.9E6	55.367	57.711
19)	B Endosulfa...	7.145	6.473	234.8E6	1753.0E6	51.037	53.626
20)	A Methoxychlor	7.489	6.745	94772881	764.6E6	40.217	43.944
21)	B Endrin ke...	7.626	6.982	245.4E6	1868.8E6	49.610	51.764
22)	Mirex	8.108	7.175	170.0E6	1352.5E6	45.875	48.992

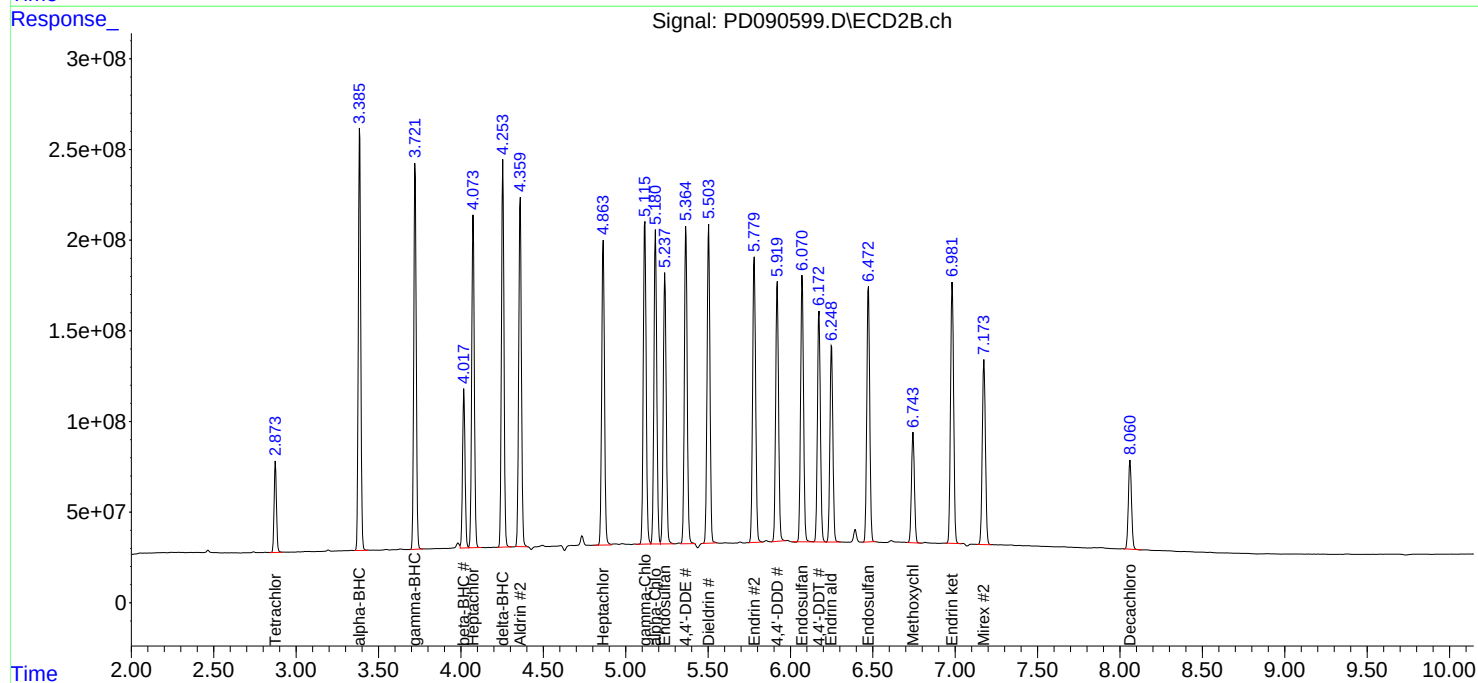
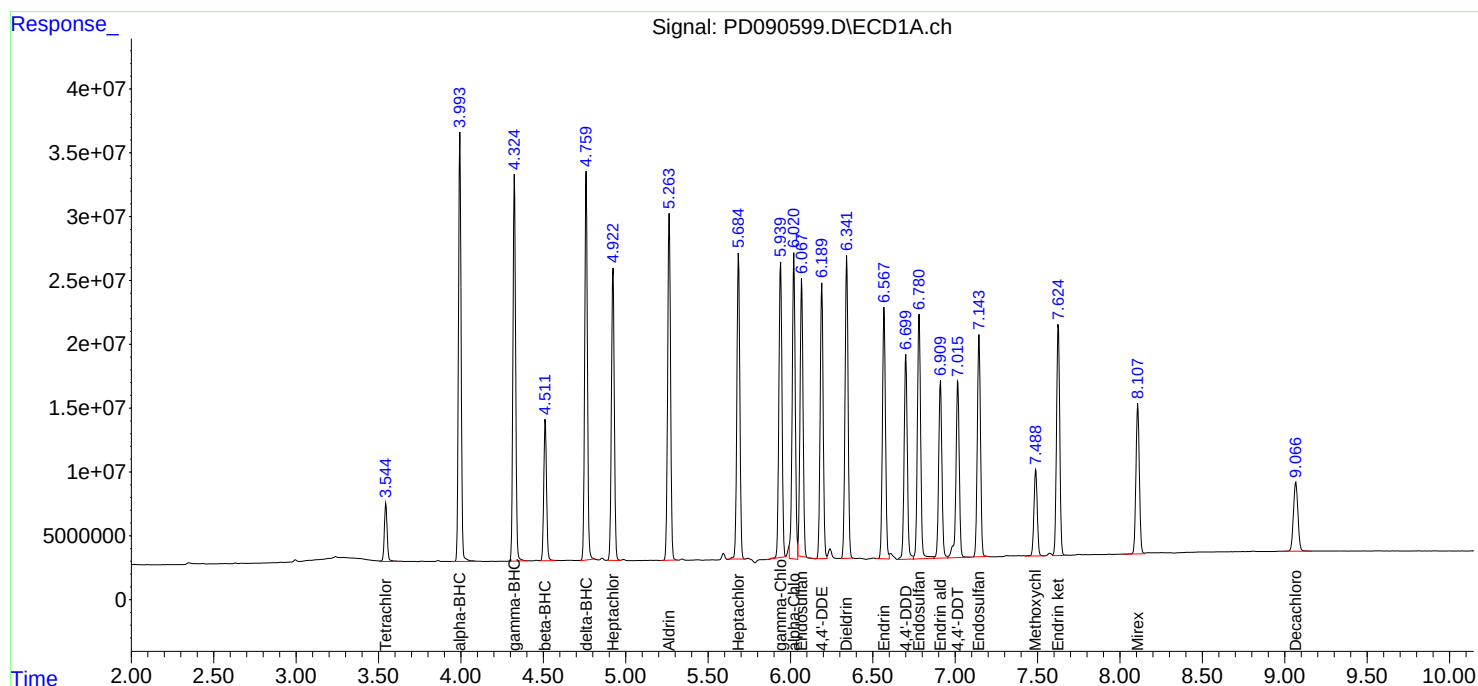
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 12:27
Operator : AR\AJ
Sample : PB170103BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170103BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/13/25
Project:	Webster School	Date Received:	10/14/25
Client Sample ID:	C-1MS	SDG No.:	Q3341
Lab Sample ID:	Q3341-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	78.9
Sample Wt/Vol:	30.02 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Prep Date	10/15/25
		Test:	PESTICIDE Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	21.3		1	0.15	2.20	ug/kg	10/15/25 19:03	PB170103
60-57-1	Dieldrin	20.9		1	0.18	2.20	ug/kg	10/15/25 19:03	PB170103
72-55-9	4,4-DDE	20.7		1	0.18	2.20	ug/kg	10/15/25 19:03	PB170103
72-54-8	4,4-DDD	20.4		1	0.19	2.20	ug/kg	10/15/25 19:03	PB170103
50-29-3	4,4-DDT	18.1		1	0.18	2.20	ug/kg	10/15/25 19:03	PB170103
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.7			20 - 144	78%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.8			19 - 148	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_D\Data\PD101525\
 Data File : PD090616.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 19:03
 Operator : AR\AJ
 Sample : Q3341-01MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 C-1MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:44:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.874	47845451	461.3E6	14.720m	16.806m
28)	SA Decachlor...	9.067	8.062	75602900	406.8E6	15.669	12.549
Target Compounds							
2)	A alpha-BHC	3.995	3.387	356.3E6	2251.5E6	51.010	51.425
3)	MA gamma-BHC...	4.324	3.723	339.2E6	2034.1E6	51.260m	49.935
4)	MA Heptachlor	4.923	4.075	271.4E6	1966.9E6	41.037	48.306
5)	MB Aldrin	5.265	4.360	319.3E6	2011.8E6	50.287	50.376
6)	B beta-BHC	4.513	4.019	110.9E6	923.3E6	43.005	53.260
7)	B delta-BHC	4.759	4.255	330.0E6	2065.3E6	51.096m	50.013
8)	B Heptachlo...	5.685	4.864	282.6E6	1848.7E6	49.452	50.148
9)	A Endosulfan I	6.069	5.239	261.7E6	1563.2E6	48.459	45.173
10)	B gamma-Chl...	5.940	5.117	297.0E6	2112.7E6	51.992	53.778
11)	B alpha-Chl...	6.020	5.181	319.0E6	2004.6E6	55.374m	53.221
12)	B 4,4'-DDE	6.191	5.366	245.9E6	1873.5E6	47.212	48.943
13)	MA Dieldrin	6.341	5.504	277.2E6	1924.3E6	48.083	49.411
14)	MA Endrin	6.569	5.780	236.5E6	1749.7E6	48.332	48.829
15)	B Endosulfa...	6.781	6.072	230.2E6	1646.8E6	47.184	48.793
16)	A 4,4'-DDD	6.700	5.921	197.8E6	1464.2E6	48.270	45.153
17)	MA 4,4'-DDT	7.016	6.174	191.2E6	1477.3E6	42.943	42.970
18)	B Endrin al...	6.911	6.250	170.9E6	1176.3E6	49.815	49.954
19)	B Endosulfa...	7.145	6.474	209.9E6	1486.8E6	45.627	45.482
20)	A Methoxychlor	7.489	6.745	94915638	717.0E6	40.278	41.205
21)	B Endrin ke...	7.626	6.983	221.9E6	1504.7E6	44.858	41.678
22)	Mirex	8.108	7.176	154.2E6	1004.3E6	41.612	36.378

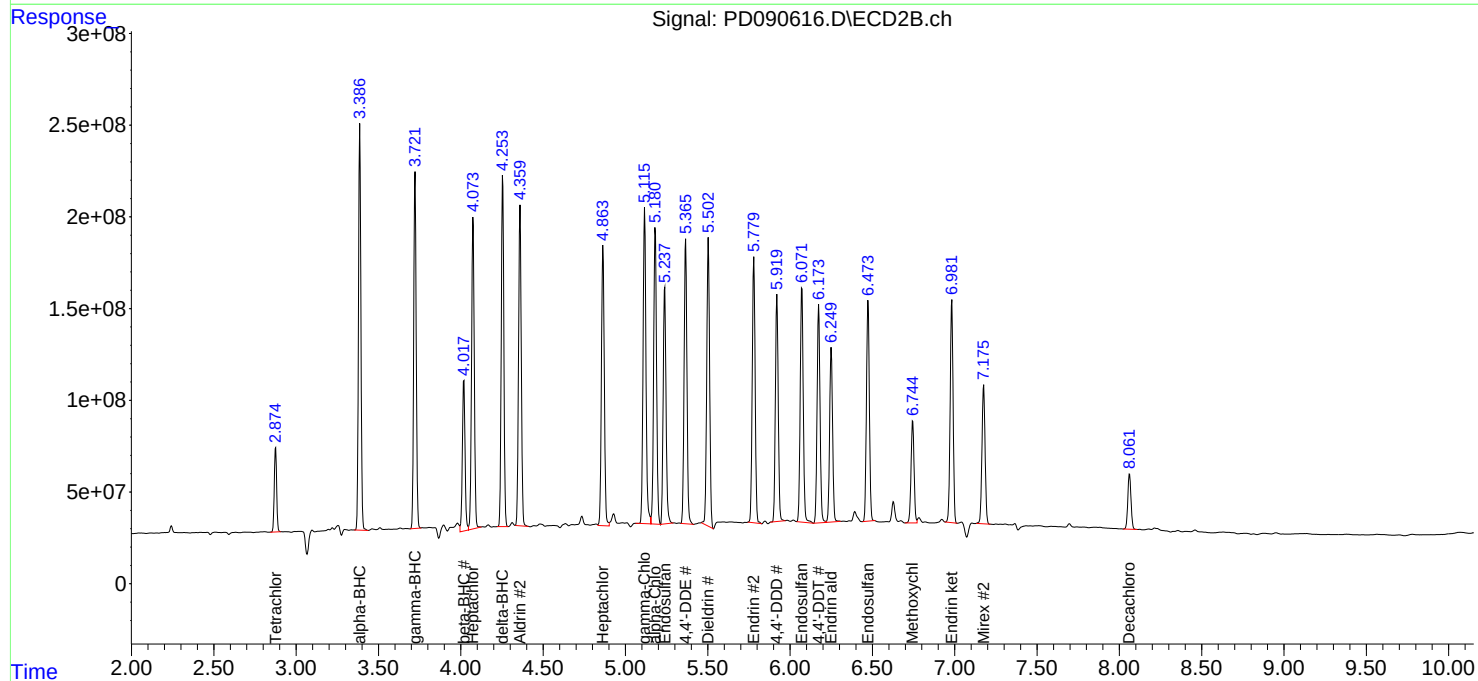
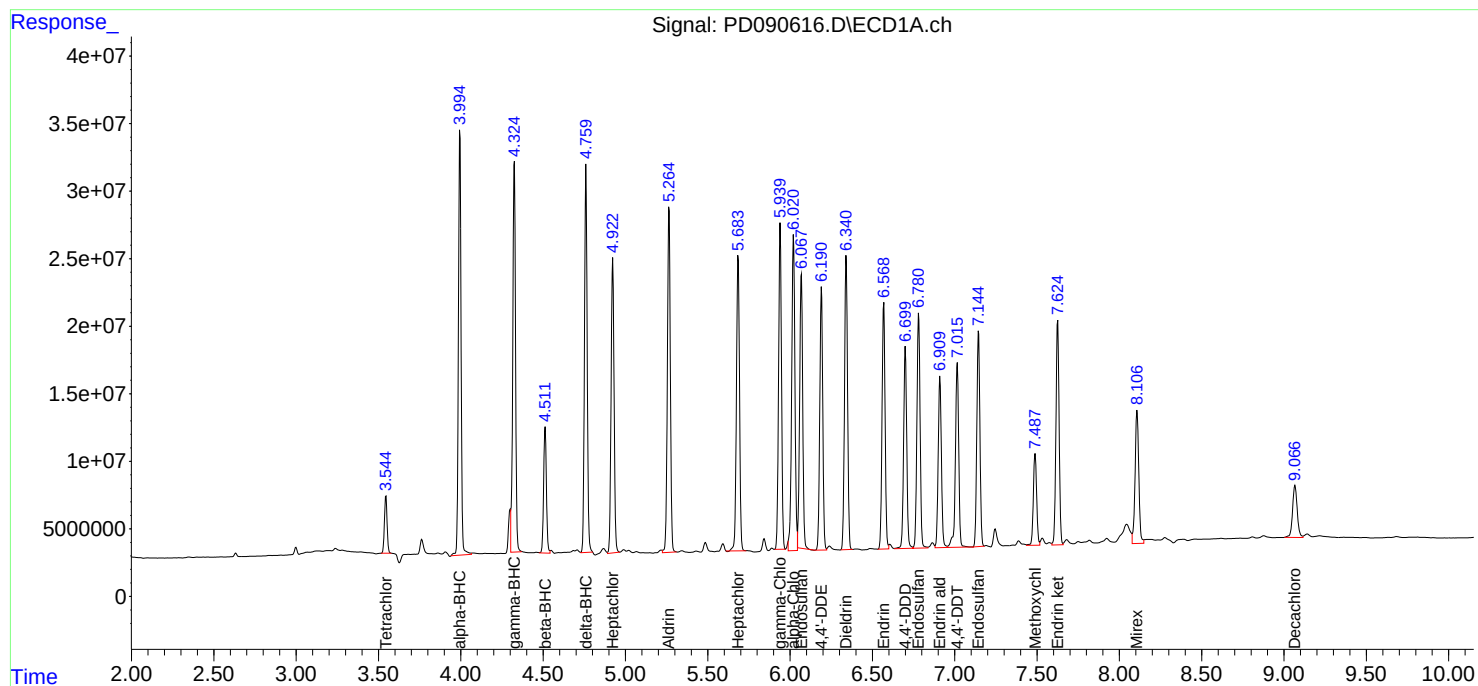
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 19:03
Operator : AR\AJ
Sample : Q3341-01MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:44:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder		Date Collected:	10/13/25
Project:	Webster School		Date Received:	10/14/25
Client Sample ID:	C-1MSD		SDG No.:	Q3341
Lab Sample ID:	Q3341-01MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	78.9
Sample Wt/Vol:	30.07 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541B	Prep Date	10/15/25	PESTICIDE Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
309-00-2	Aldrin	20.6		1	0.15	2.10	ug/kg	10/15/25 19:17	PB170103
60-57-1	Dieldrin	20.3		1	0.18	2.10	ug/kg	10/15/25 19:17	PB170103
72-55-9	4,4-DDE	20.1		1	0.18	2.10	ug/kg	10/15/25 19:17	PB170103
72-54-8	4,4-DDD	20.0		1	0.19	2.10	ug/kg	10/15/25 19:17	PB170103
50-29-3	4,4-DDT	17.7		1	0.18	2.10	ug/kg	10/15/25 19:17	PB170103
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.3			20 - 144	77%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.6			19 - 148	83%	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_D\Data\PD101525\
 Data File : PD090617.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 19:17
 Operator : AR\AJ
 Sample : Q3341-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 C-1MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:45:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.875	47111205	454.4E6	14.494m	16.553m
28)	SA Decachlor...	9.065	8.061	73850929	410.1E6	15.306	12.651
Target Compounds							
2)	A alpha-BHC	3.995	3.387	346.0E6	2184.9E6	49.532	49.904
3)	MA gamma-BHC...	4.324	3.723	326.4E6	1990.2E6	49.322m	48.856
4)	MA Heptachlor	4.923	4.075	262.5E6	1896.7E6	39.701	46.582
5)	MB Aldrin	5.264	4.361	310.1E6	1948.0E6	48.838	48.778
6)	B beta-BHC	4.513	4.019	110.0E6	907.7E6	42.630	52.362
7)	B delta-BHC	4.759	4.255	326.4E6	2014.4E6	50.553m	48.782
8)	B Heptachlo...	5.684	4.864	271.3E6	1792.8E6	47.472	48.630
9)	A Endosulfan I	6.068	5.239	254.1E6	1526.0E6	47.045	44.096
10)	B gamma-Chl...	5.940	5.116	288.0E6	2051.3E6	50.422	52.214
11)	B alpha-Chl...	6.021	5.181	298.4E6	1941.1E6	51.793	51.535
12)	B 4,4'-DDE	6.190	5.365	239.8E6	1827.2E6	46.051	47.733
13)	MA Dieldrin	6.340	5.503	270.7E6	1878.7E6	46.967	48.240
14)	MA Endrin	6.568	5.780	230.9E6	1705.6E6	47.176	47.599
15)	B Endosulfa...	6.781	6.071	225.6E6	1611.4E6	46.246	47.745
16)	A 4,4'-DDD	6.699	5.920	194.2E6	1441.3E6	47.400	44.445
17)	MA 4,4'-DDT	7.015	6.174	186.6E6	1442.7E6	41.914	41.965
18)	B Endrin al...	6.910	6.250	167.3E6	1149.1E6	48.768	48.800
19)	B Endosulfa...	7.144	6.473	206.6E6	1459.8E6	44.916	44.655
20)	A Methoxychlor	7.488	6.744	92728529	709.8E6	39.350	40.793
21)	B Endrin ke...	7.625	6.982	218.1E6	1481.9E6	44.087	41.048
22)	Mirex	8.107	7.175	148.9E6	988.4E6	40.191	35.805

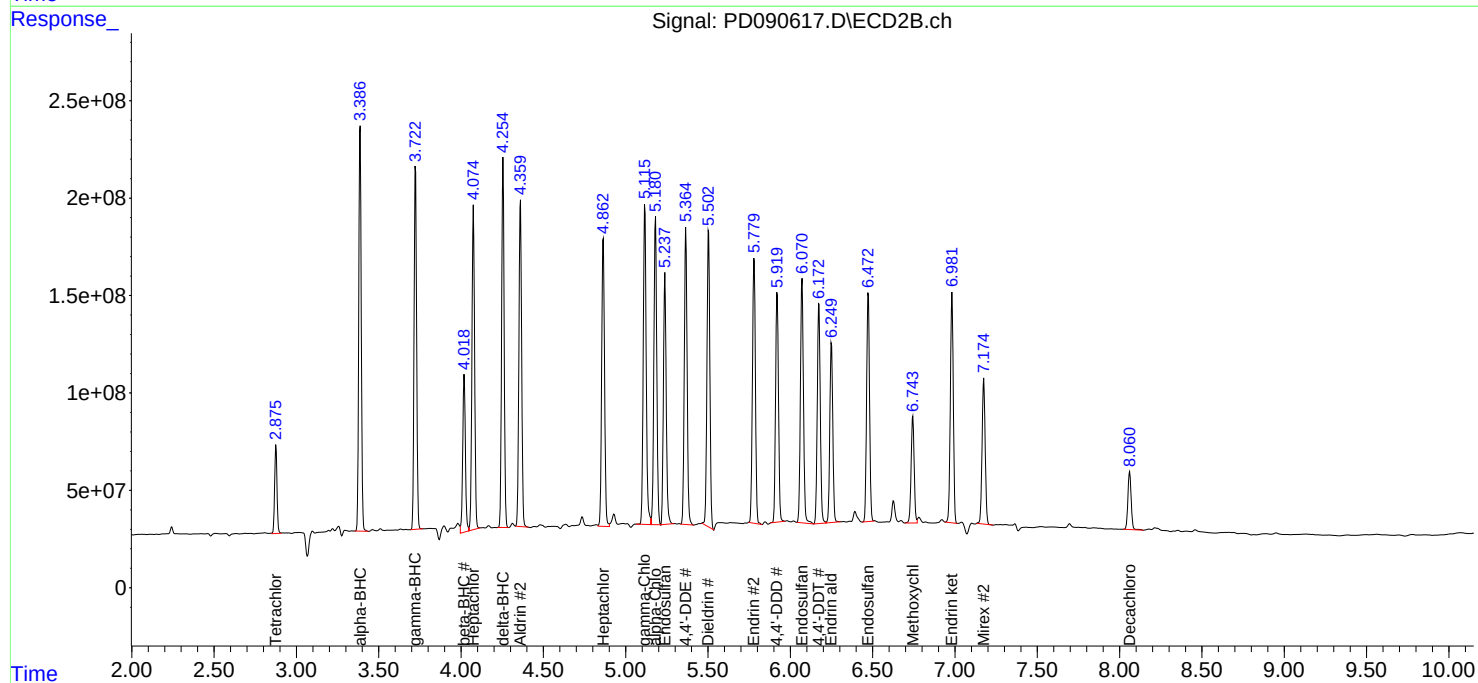
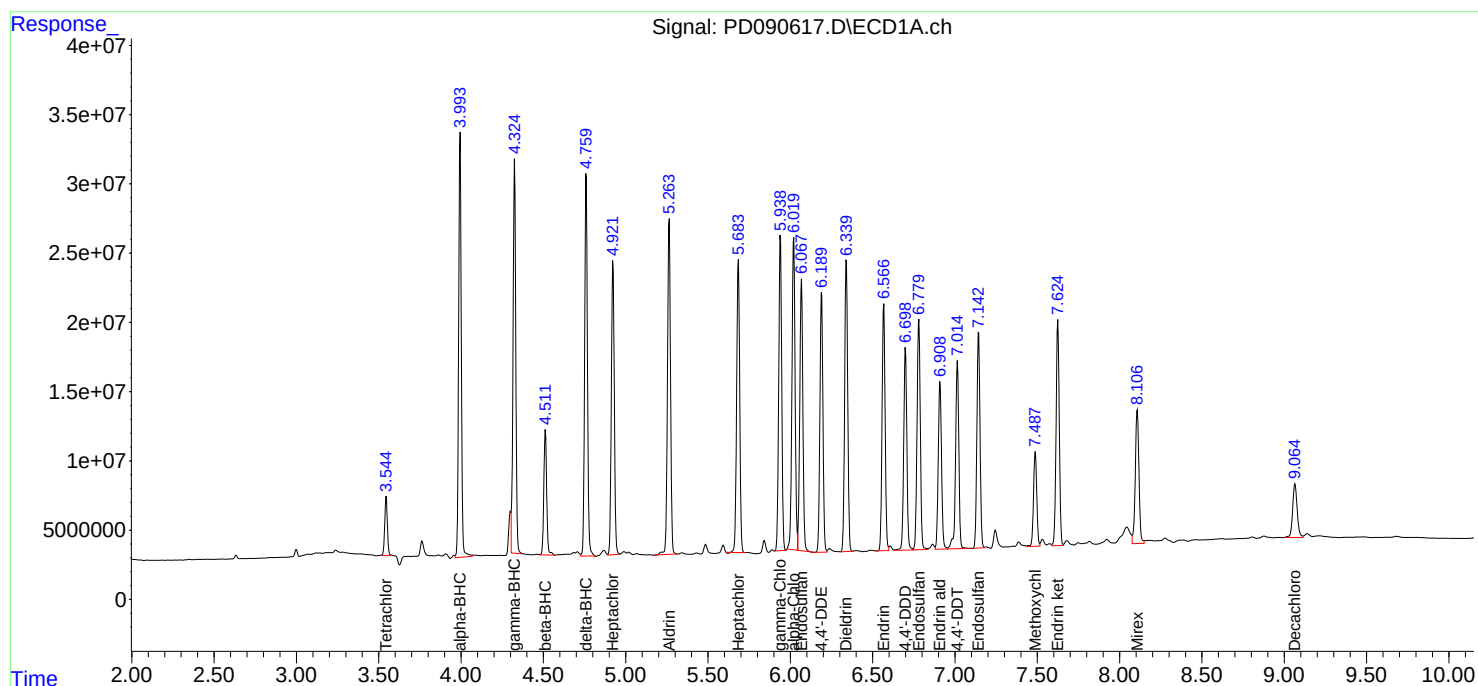
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 19:17
Operator : AR\AJ
Sample : Q3341-01MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
C-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 09:45:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:	pd091825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090328.D	4,4"-DDD	Abdul	9/19/2025 9:36:57 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PEM	PD090328.D	Endrin aldehyde	Abdul	9/19/2025 9:36:57 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	4,4"-DDE #2	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	delta-BHC	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Endrin #2	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Heptachlor	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Tetrachloro-m-xylene	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICV050	PD090345.D	delta-BHC	Abdul	9/19/2025 9:00:34 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PTOXICV500	PD090347.D	Toxaphene-5	Abdul	9/19/2025 9:00:37 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software

Manual Integration Report

Sequence:	pd101525	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090595.D	4,4"-DDE #2	Abdul	10/16/2025 4:53:03 PM	 	 	Peak Integrated by Software
PEM	PD090595.D	Endrin aldehyde	Abdul	10/16/2025 4:53:03 PM	 	 	Peak Integrated by Software
PSTDCCC050	PD090596.D	delta-BHC	Abdul	10/16/2025 4:53:00 PM	 	 	Peak Integrated by Software
PB170103BS	PD090599.D	alpha-Chlordane	Abdul	10/16/2025 4:52:48 PM	 	 	Peak Integrated by Software
PB170103BS	PD090599.D	delta-BHC	Abdul	10/16/2025 4:52:48 PM	 	 	Peak Integrated by Software
PSTDCCC050	PD090608.D	delta-BHC	Abdul	10/16/2025 4:52:22 PM	 	 	Peak Integrated by Software
PEM	PD090613.D	4,4"-DDD	Abdul	10/16/2025 4:52:11 PM	 	 	Peak Integrated by Software
PEM	PD090613.D	4,4"-DDE #2	Abdul	10/16/2025 4:52:11 PM	 	 	Peak Integrated by Software
PEM	PD090613.D	Endrin aldehyde	Abdul	10/16/2025 4:52:11 PM	 	 	Peak Integrated by Software
PSTDCCC050	PD090614.D	delta-BHC	Abdul	10/16/2025 4:52:09 PM	 	 	Peak Integrated by Software
PSTDCCC050	PD090614.D	Heptachlor epoxide	Abdul	10/16/2025 4:52:09 PM	 	 	Peak Integrated by Software
Q3341-01	PD090615.D	alpha-Chlordane #2	Abdul	10/16/2025 4:52:06 PM	 	 	Peak Integrated by Software
Q3341-01	PD090615.D	gamma-Chlordane #2	Abdul	10/16/2025 4:52:06 PM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	pd101525	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3341-01	PD090615.D	Tetrachloro-m-xylene	Abdul	10/16/2025 4:52:06 PM	 	 	Peak Integrated by Software
Q3341-01	PD090615.D	Tetrachloro-m-xylene #2	Abdul	10/16/2025 4:52:06 PM	 	 	Peak Integrated by Software
Q3341-01MS	PD090616.D	alpha-Chlordane	Abdul	10/16/2025 4:52:02 PM	 	 	Peak Integrated by Software
Q3341-01MS	PD090616.D	delta-BHC	Abdul	10/16/2025 4:52:02 PM	 	 	Peak Integrated by Software
Q3341-01MS	PD090616.D	gamma-BHC (Lindane)	Abdul	10/16/2025 4:52:02 PM	 	 	Peak Integrated by Software
Q3341-01MS	PD090616.D	Tetrachloro-m-xylene	Abdul	10/16/2025 4:52:02 PM	 	 	Peak Integrated by Software
Q3341-01MS	PD090616.D	Tetrachloro-m-xylene #2	Abdul	10/16/2025 4:52:02 PM	 	 	Peak Integrated by Software
Q3341-01MSD	PD090617.D	delta-BHC	Abdul	10/16/2025 4:51:59 PM	 	 	Peak Integrated by Software
Q3341-01MSD	PD090617.D	gamma-BHC (Lindane)	Abdul	10/16/2025 4:51:59 PM	 	 	Peak Integrated by Software
Q3341-01MSD	PD090617.D	Tetrachloro-m-xylene	Abdul	10/16/2025 4:51:59 PM	 	 	Peak Integrated by Software
Q3341-01MSD	PD090617.D	Tetrachloro-m-xylene #2	Abdul	10/16/2025 4:51:59 PM	 	 	Peak Integrated by Software
Q3341-02	PD090618.D	Tetrachloro-m-xylene	Abdul	10/16/2025 4:51:55 PM	 	 	Peak Integrated by Software
Q3341-02	PD090618.D	Tetrachloro-m-xylene #2	Abdul	10/16/2025 4:51:55 PM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	pd101525	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3341-03	PD090619.D	Tetrachloro-m-xylene	Abdul	10/16/2025 4:51:51 PM	 	 	Peak Integrated by Software
Q3341-03	PD090619.D	Tetrachloro-m-xylene #2	Abdul	10/16/2025 4:51:51 PM	 	 	Peak Integrated by Software
PEM	PD090621.D	4,4"-DDD	Abdul	10/16/2025 4:51:48 PM	 	 	Peak Integrated by Software
PEM	PD090621.D	4,4"-DDE #2	Abdul	10/16/2025 4:51:48 PM	 	 	Peak Integrated by Software
PEM	PD090621.D	Endrin aldehyde	Abdul	10/16/2025 4:51:48 PM	 	 	Peak Integrated by Software
PSTDCCC050	PD090622.D	delta-BHC	Abdul	10/16/2025 4:51:45 PM	 	 	Peak Integrated by Software
PSTDCCC050	PD090622.D	Endrin aldehyde	Abdul	10/16/2025 4:51:45 PM	 	 	Peak Integrated by Software
PSTDCCC050	PD090622.D	Mirex	Abdul	10/16/2025 4:51:45 PM	 	 	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090326.D	18 Sep 2025 09:36	AR\AJ	Ok
2	I.BLK	PD090327.D	18 Sep 2025 09:49	AR\AJ	Ok
3	PEM	PD090328.D	18 Sep 2025 10:03	AR\AJ	Ok,M
4	RESCHK	PD090329.D	18 Sep 2025 10:16	AR\AJ	Ok
5	PSTDICC100	PD090330.D	18 Sep 2025 10:30	AR\AJ	Ok
6	PSTDICC075	PD090331.D	18 Sep 2025 10:43	AR\AJ	Ok
7	PSTDICC050	PD090332.D	18 Sep 2025 10:57	AR\AJ	Ok
8	PSTDICC025	PD090333.D	18 Sep 2025 11:11	AR\AJ	Ok
9	PSTDICC005	PD090334.D	18 Sep 2025 11:24	AR\AJ	Ok,M
10	PCHLORICC1000	PD090335.D	18 Sep 2025 11:38	AR\AJ	Ok
11	PCHLORICC750	PD090336.D	18 Sep 2025 11:51	AR\AJ	Ok
12	PCHLORICC500	PD090337.D	18 Sep 2025 12:05	AR\AJ	Ok
13	PCHLORICC250	PD090338.D	18 Sep 2025 12:18	AR\AJ	Ok
14	PCHLORICC050	PD090339.D	18 Sep 2025 12:32	AR\AJ	Ok,M
15	PTOXICC1000	PD090340.D	18 Sep 2025 12:45	AR\AJ	Ok
16	PTOXICC750	PD090341.D	18 Sep 2025 12:59	AR\AJ	Ok
17	PTOXICC500	PD090342.D	18 Sep 2025 13:12	AR\AJ	Ok
18	PTOXICC250	PD090343.D	18 Sep 2025 13:26	AR\AJ	Ok
19	PTOXICC100	PD090344.D	18 Sep 2025 13:40	AR\AJ	Ok
20	PSTDICV050	PD090345.D	18 Sep 2025 13:53	AR\AJ	Ok,M
21	PCHLORICV500	PD090346.D	18 Sep 2025 14:07	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD090347.D	18 Sep 2025 15:21	AR\AJ	Ok,M
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101525

Review By	Abdul	Review On	10/16/2025 4:53:59 PM
Supervise By		Supervise On	
SubDirectory	PD101525	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090593.D	15 Oct 2025 09:05	AR\AJ	Ok
2	I.BLK	PD090594.D	15 Oct 2025 09:19	AR\AJ	Ok
3	PEM	PD090595.D	15 Oct 2025 09:33	AR\AJ	Ok,NS
4	PSTDCCC050	PD090596.D	15 Oct 2025 09:46	AR\AJ	Ok,NS
5	PB170091BS	PD090597.D	15 Oct 2025 11:47	AR\AJ	Ok,NS
6	PB170103BL	PD090598.D	15 Oct 2025 12:13	AR\AJ	Ok
7	PB170103BS	PD090599.D	15 Oct 2025 12:27	AR\AJ	Ok,NS
8	Q3337-01	PD090600.D	15 Oct 2025 12:43	AR\AJ	Ok,NS
9	Q3337-07	PD090601.D	15 Oct 2025 12:56	AR\AJ	Ok,NS
10	Q3343-01	PD090602.D	15 Oct 2025 13:10	AR\AJ	Ok,NS
11	Q3345-01	PD090603.D	15 Oct 2025 13:24	AR\AJ	Ok,NS
12	Q3345-03	PD090604.D	15 Oct 2025 13:37	AR\AJ	Ok,NS
13	Q3345-05	PD090605.D	15 Oct 2025 13:51	AR\AJ	Ok,NS
14	Q3345-07	PD090606.D	15 Oct 2025 15:00	AR\AJ	Ok
15	I.BLK	PD090607.D	15 Oct 2025 15:13	AR\AJ	Ok
16	PSTDCCC050	PD090608.D	15 Oct 2025 16:33	AR\AJ	Ok,NS
17	PB170104BL	PD090609.D	15 Oct 2025 16:46	AR\AJ	Ok
18	PB170104BS	PD090610.D	15 Oct 2025 17:00	AR\AJ	Ok,NS
19	PB170104BSD	PD090611.D	15 Oct 2025 17:14	AR\AJ	Ok,NS
20	I.BLK	PD090612.D	15 Oct 2025 17:27	AR\AJ	Ok
21	PEM	PD090613.D	15 Oct 2025 17:41	AR\AJ	Ok,NS

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101525

Review By	Abdul	Review On	10/16/2025 4:53:59 PM
Supervise By		Supervise On	
SubDirectory	PD101525	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PSTDCCC050	PD090614.D	15 Oct 2025 17:55	AR\AJ	Ok,NS
23	Q3341-01	PD090615.D	15 Oct 2025 18:49	AR\AJ	Ok,NS
24	Q3341-01MS	PD090616.D	15 Oct 2025 19:03	AR\AJ	Ok,NS
25	Q3341-01MSD	PD090617.D	15 Oct 2025 19:17	AR\AJ	Ok,NS
26	Q3341-02	PD090618.D	15 Oct 2025 19:30	AR\AJ	Ok,NS
27	Q3341-03	PD090619.D	15 Oct 2025 19:44	AR\AJ	Ok,NS
28	I.BLK	PD090620.D	15 Oct 2025 19:58	AR\AJ	Ok
29	PEM	PD090621.D	15 Oct 2025 20:11	AR\AJ	Ok,NS
30	PSTDCCC050	PD090622.D	15 Oct 2025 20:25	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090326.D	18 Sep 2025 09:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD090327.D	18 Sep 2025 09:49		AR\AJ	Ok
3	PEM	PEM	PD090328.D	18 Sep 2025 10:03		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD090329.D	18 Sep 2025 10:16		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD090330.D	18 Sep 2025 10:30		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD090331.D	18 Sep 2025 10:43		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD090332.D	18 Sep 2025 10:57		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD090333.D	18 Sep 2025 11:11		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD090334.D	18 Sep 2025 11:24		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD090335.D	18 Sep 2025 11:38		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD090336.D	18 Sep 2025 11:51		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD090337.D	18 Sep 2025 12:05		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD090338.D	18 Sep 2025 12:18		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD090339.D	18 Sep 2025 12:32		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD090340.D	18 Sep 2025 12:45		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD090341.D	18 Sep 2025 12:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD090342.D	18 Sep 2025 13:12		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD090343.D	18 Sep 2025 13:26		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD090344.D	18 Sep 2025 13:40		AR\AJ	Ok
20	PSTDICV050	ICVPD091825	PD090345.D	18 Sep 2025 13:53		AR\AJ	Ok,M
21	PCHLORICV500	ICVPD091825CHLOR	PD090346.D	18 Sep 2025 14:07		AR\AJ	Ok
22	PTOXICV500	ICVPD091825TOX	PD090347.D	18 Sep 2025 15:21		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101525

Review By	Abdul	Review On	10/16/2025 4:53:59 PM
Supervise By		Supervise On	
SubDirectory	PD101525	HP Acquire Method	HP Processing Method pd091825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090593.D	15 Oct 2025 09:05		AR\AJ	Ok
2	I.BLK	I.BLK	PD090594.D	15 Oct 2025 09:19		AR\AJ	Ok
3	PEM	PEM	PD090595.D	15 Oct 2025 09:33		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PD090596.D	15 Oct 2025 09:46		AR\AJ	Ok,NS
5	PB170091BS	PB170091BS	PD090597.D	15 Oct 2025 11:47		AR\AJ	Ok,NS
6	PB170103BL	PB170103BL	PD090598.D	15 Oct 2025 12:13		AR\AJ	Ok
7	PB170103BS	PB170103BS	PD090599.D	15 Oct 2025 12:27		AR\AJ	Ok,NS
8	Q3337-01	LAYDOWN-YARD-1	PD090600.D	15 Oct 2025 12:43		AR\AJ	Ok,NS
9	Q3337-07	Q3337-07	PD090601.D	15 Oct 2025 12:56	typo Q3337-03	AR\AJ	Ok,NS
10	Q3343-01	SOIL-ROLLOFF-WC-1	PD090602.D	15 Oct 2025 13:10		AR\AJ	Ok,NS
11	Q3345-01	TANK-FARM-SOIL	PD090603.D	15 Oct 2025 13:24		AR\AJ	Ok,NS
12	Q3345-03	2ND-STREET-SOIL	PD090604.D	15 Oct 2025 13:37		AR\AJ	Ok,NS
13	Q3345-05	M-R-SOIL	PD090605.D	15 Oct 2025 13:51		AR\AJ	Ok,NS
14	Q3345-07	TANK-FARM-WATER	PD090606.D	15 Oct 2025 15:00		AR\AJ	Ok
15	I.BLK	I.BLK	PD090607.D	15 Oct 2025 15:13		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD090608.D	15 Oct 2025 16:33		AR\AJ	Ok,NS
17	PB170104BL	PB170104BL	PD090609.D	15 Oct 2025 16:46		AR\AJ	Ok
18	PB170104BS	PB170104BS	PD090610.D	15 Oct 2025 17:00		AR\AJ	Ok,NS

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101525

Review By	Abdul	Review On	10/16/2025 4:53:59 PM
Supervise By		Supervise On	
SubDirectory	PD101525	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB170104BSD	PB170104BSD	PD090611.D	15 Oct 2025 17:14		AR\AJ	Ok,NS
20	I.BLK	I.BLK	PD090612.D	15 Oct 2025 17:27		AR\AJ	Ok
21	PEM	PEM	PD090613.D	15 Oct 2025 17:41		AR\AJ	Ok,NS
22	PSTDCCC050	PSTDCCC050	PD090614.D	15 Oct 2025 17:55		AR\AJ	Ok,NS
23	Q3341-01	C-1	PD090615.D	15 Oct 2025 18:49		AR\AJ	Ok,NS
24	Q3341-01MS	C-1MS	PD090616.D	15 Oct 2025 19:03		AR\AJ	Ok,NS
25	Q3341-01MSD	C-1MSD	PD090617.D	15 Oct 2025 19:17		AR\AJ	Ok,NS
26	Q3341-02	C-2	PD090618.D	15 Oct 2025 19:30		AR\AJ	Ok,NS
27	Q3341-03	C-3	PD090619.D	15 Oct 2025 19:44		AR\AJ	Ok,NS
28	I.BLK	I.BLK	PD090620.D	15 Oct 2025 19:58		AR\AJ	Ok
29	PEM	PEM	PD090621.D	15 Oct 2025 20:11		AR\AJ	Ok,NS
30	PSTDCCC050	PSTDCCC050	PD090622.D	15 Oct 2025 20:25		AR\AJ	Ok,NS

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137520

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
Q3340-01	CONCRETE-1	1	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3340-02	CONCRETE-2	2	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3340-03	CONCRETE-3	3	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3341-01	C-1	4	1.18	10.40	11.58	9.39	78.9	
Q3341-02	C-2	5	1.16	10.33	11.49	9.7	82.7	
Q3341-03	C-3	6	1.19	10.64	11.83	9.71	80.1	
Q3342-01	CONC-ROLLOFF-WC-1	7	1.14	10.24	11.38	9.8	84.6	
Q3343-01	SOIL-ROLLOFF-WC-1	8	1.15	10.46	11.61	10.6	90.3	
Q3343-02	SOIL-ROLLOFF-WC-1-EPH	9	1.11	10.68	11.79	10.71	89.9	
Q3343-03	SOIL-ROLLOFF-WC-1-VOC	10	1.16	10.74	11.9	10.82	89.9	
Q3345-01	TANK-FARM-SOIL	11	1.18	10.48	11.66	9.98	84.0	
Q3345-03	2ND-STREET-SOIL	12	1.14	10.85	11.99	10.63	87.5	
Q3345-05	M-R-SOIL	13	1.11	10.72	11.83	10.38	86.5	

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

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

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

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/15/2025

Extraction Start Time : 08:44

Extraction End Date : 10/15/2025

Extraction End Time : 11:45

Concentration By: EH

Supervisor By : RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24766
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	EP2652
Sand	N/A	E3951
Hexane	N/A	E3978
Florisil	N/A	E3976
9:1 Hexane:Acetone Mixture	N/A	EP2644
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.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/15/25	RS (Ext-Lab)	Dr. Pest/PCB Lab
11:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/15/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170103BL	PBLK103	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10			U1-1
PB170103BS	PLCS103	PESTICIDE Group1	30.01	N/A	ritesh	Evelyn	10			2
Q3337-01	LAYDOWN-YARD-1	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q3337-03	LAYDOWN-YARD-2	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		4
Q3341-01	C-1	PESTICIDE Group1	30.07	N/A	ritesh	Evelyn	10	E		5
Q3341-01MS	C-1MS	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10	E		6
Q3341-01MS D	C-1MSD	PESTICIDE Group1	30.07	N/A	ritesh	Evelyn	10	E		U2-1
Q3341-02	C-2	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10	E		2
Q3341-03	C-3	PESTICIDE Group1	30.05	N/A	ritesh	Evelyn	10	E		3
Q3343-01	SOIL-ROLLOFF-WC-1	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q3345-01	TANK-FARM-SOIL	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5
Q3345-03	2ND-STREET-SOIL	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		6
Q3345-05	M-R-SOIL	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		U3-1

 RS
10/15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3337P WorkList ID : 192462 Department : Extraction Date : 10-15-2025 08:39:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3337-01	LAYDOWN-YARD-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/13/2025	8081B
Q3337-03	LAYDOWN-YARD-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/13/2025	8081B
Q3341-01	C-1	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	J12	10/13/2025	8081B
Q3341-02	C-2	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	J12	10/13/2025	8081B
Q3341-03	C-3	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	J12	10/13/2025	8081B
Q3343-01	SOIL-ROLLOFF-WC-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/14/2025	8081B
Q3345-01	TANK-FARM-SOIL	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/14/2025	8081B
Q3345-03	2ND-STREET-SOIL	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/14/2025	8081B
Q3345-05	M-R-SOIL	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	10/14/2025	8081B

Date/Time 10/15/25 8:39
 Raw Sample Received by: RJ (EXT-104)
 Raw Sample Relinquished by: [Signature]

Date/Time 10/15/25 8:55
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: RJ (EXT-104)

Prep Standard - Chemical Standard Summary

Order ID : Q3341
Test : PESTICIDE Group1
Prepbatch ID : PB170103,
Sequence ID/Qc Batch ID: pd101525,

Standard ID :

EP2643,EP2652,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24942,

Chemical ID :

E3875,E3941,E3944,E3951,E3955,E3956,E3971,E3972,E3976,E3978,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13780,P13786,P13788,P13862,P9053,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2643	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel
09/16/2025								

FROM 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	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
10/10/2025								

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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>
4027	Pesticide resolution Check Mixture 8081	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel
								07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

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

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24739	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13041 + 9.00000ml of E3956 = 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>
1273	20 PPM Mirex Stock (Primary Source)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24741	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13196 + 9.00000ml of E3956 = 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13788 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml



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

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

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

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

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>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = 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>
383	1000/100 PPB Toxaphene STD (Restek)	PP24748	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = 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>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = 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>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24750	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24744 = 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>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24744 = 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>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24752	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24744 = 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>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24751 = 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>
3988	50 PPB PEST ICV STD(RESTEK)	PP24754	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24745 = 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>
528	CHLOR 750 PPB STD	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24746 = 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>
529	CHLOR 500 PPB STD	PP24756	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24746 = 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>
530	CHLOR 250 PPB STD	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24746 = 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>
3408	CHLOR 50 PPB STD	PP24758	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24756 = 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>
532	CHLOR 500 PPB ICV STD	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24747 = 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>
533	TOX 750 PPB STD	PP24760	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24748 = 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>
534	TOX 500 PPB STD	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24748 = 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>
535	TOX 250 PPB STD	PP24762	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24748 = 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>
2217	TOX 100 PPB STD	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24748 = 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>
3670	TOX 500 PPB ICV std (RESTEK)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of PP24749 = 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>
79	500 PPB Pesticide Spike Solution	PP24766	07/28/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								08/19/2025

FROM 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = 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>
758	PEM Mix w/Surr	PP24942	09/24/2025	03/24/2026	Abdul Mirza	None	None	Yogesh Patel
								10/10/2025

FROM 1.00000ml of P13780 + 99.00000ml of E3971 = 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 #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

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 #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M07456	04/03/2026	10/03/2025 / Evelyn	10/03/2025 / Evelyn	E3976

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	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12604

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12610

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	01/21/2026	07/21/2025 / Abdul	05/03/2024 / Ankita	P13774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32074 / Pesticide Performance Evaluation Mix w/Surrogate	A0213999	03/24/2026	09/24/2025 / Abdul	11/19/2024 / Ankita	P13780

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	01/21/2026	07/21/2025 / Abdul	11/19/2024 / Ankita	P13788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	01/21/2026	07/21/2025 / Abdul	11/01/2019 / Stephen	P9053



**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

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001



Recd. by RI on 6/11/25

E3941

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

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

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

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

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.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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 7/16/25

E 3955

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

Received on 7/16/25

E3956

Jamie Croak
Director Quality Operations, Bioscience Production

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

Cleanert Florisil

1g/6ml 30/pkg

LOT#:M07456

MFG#:G02147

CAT#FS0006



固相萃取产品

Made in China

Agela Technologies

E 3976



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

 **avantorsTM**



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 3978



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



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. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
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 12/26/23

Quality Confirmation Test

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

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

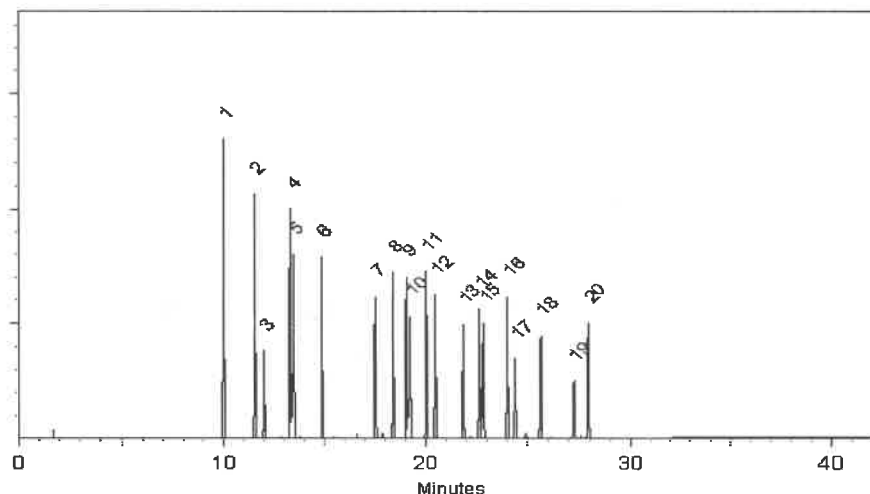
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

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.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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

01/17/2024
AHLN

5



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. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

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

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

P 12603
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P 12605
[3]
✓ Raut
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

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

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

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

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:

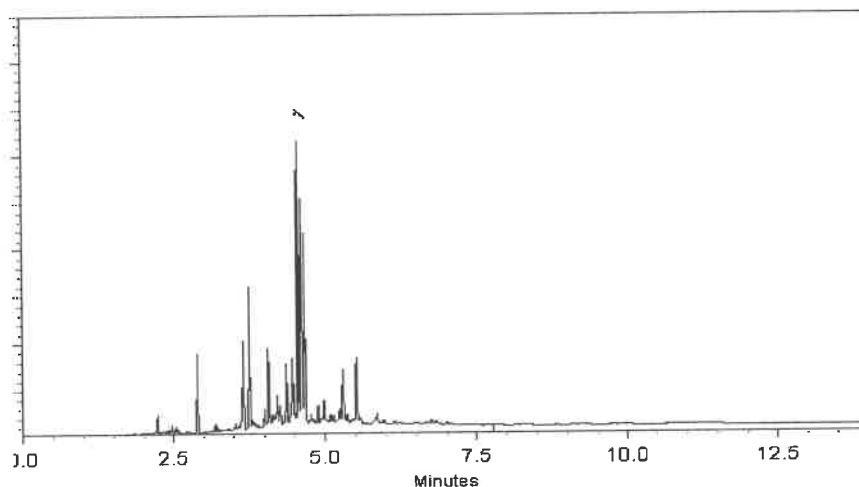
ECD

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.


Morgan Craighead - Mix Technician

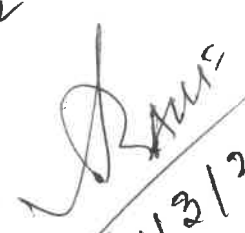
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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

P 12603 } (3)
↓
P 12605

7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis *chromatographic plus*



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No.: 32021 Lot No.: A0197993
Description: Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: August 31, 2029 Storage: 10°C or colder
Ship: Ambient

Handwritten: P 12606, P 12610, 5 Five, 7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----	1,005.0 µg/mL	+/- 55.7700

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

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

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

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:

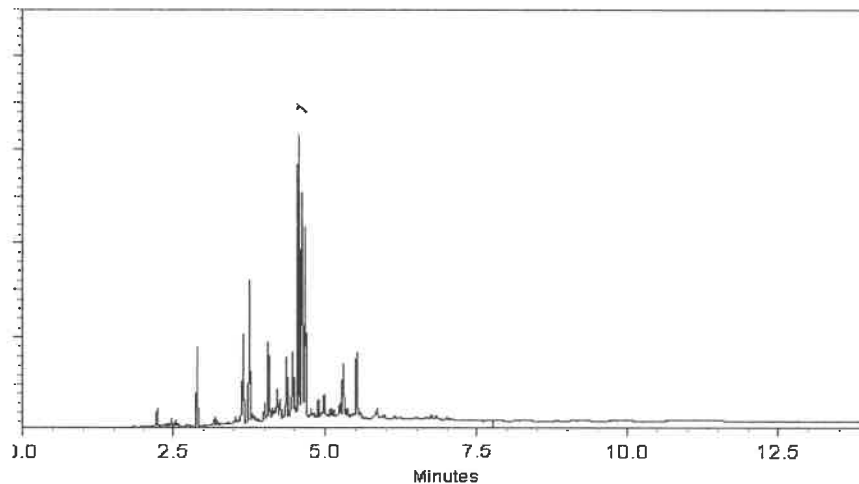
ECD

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.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291

Lot No.: A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2027

Storage: 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

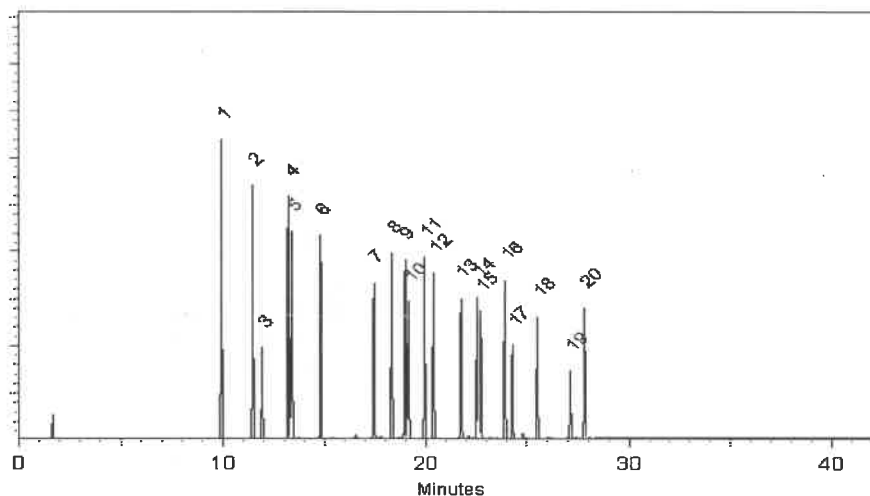
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

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.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):

9 components
013129
Refrigerate (4 °C)

Solvent(s):
Hexane
Toluene
273615
28508
(50%)
(50%)

NIST Test ID#:

6UTB

5E-05
Balance Uncertainty
Pipet Uncertainty

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

100.0

0.021

Balance Uncertainty
Pipet Uncertainty

Formulated By: <i>Lawrence Barry</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		013124
DATE		DATE

Compound

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (±) µg/mL	CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	or-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	or-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	or-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	or-rat 36300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	or-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

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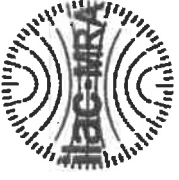


110 Benner Circle
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis *chromatographic plus*



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	—%	1,009.0 µg/mL	+/- 55.9920

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

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

Handwritten notes and signatures:

- Signature: *[Signature]*
- Date: *11/19/24*
- Text: *P13779*
- Text: *P13773*

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.)

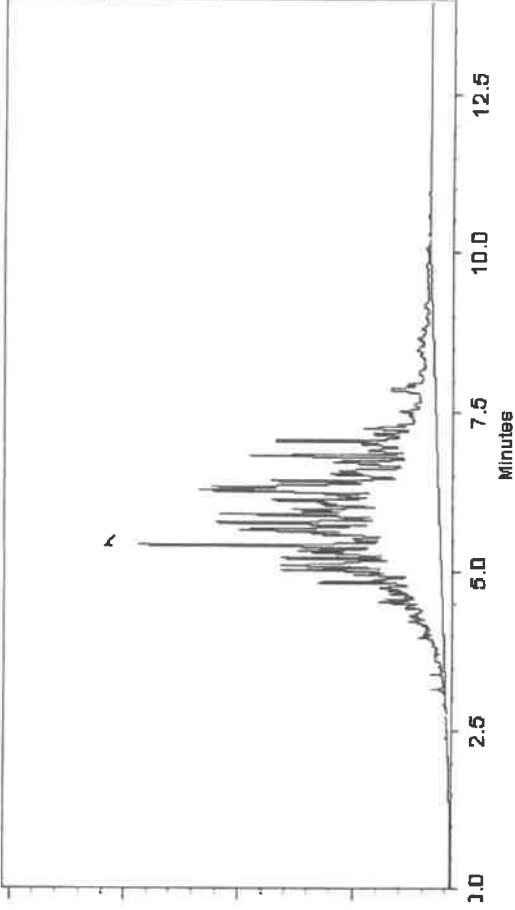
Inj. Temp:
250°C

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.

<i>J.P.</i> Dakota Parson - Operations Technician I	Date Mixed: 10-Oct-2023	Balance Serial # 1128353505
Jennifer Pollino - Operations Tech III - ARM QC	Date Passed: 16-Oct-2023	

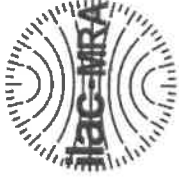
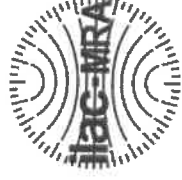
Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397

(P)
P13773
P19779
A7
11/19/24
10-50



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No.: 32074 **Lot No.:** A0213999

Description: Pesticide Performance Eval Mix w/Surrogate

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

Expiration Date: July 31, 2028 **Storage:** 10°C or colder

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

918760 AJ
11/19/24

918764

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%	2.0 µg/mL	+/- 0.1506
2	alpha-BHC	319-84-6	15279000	99%	1.0 µg/mL	+/- 0.0749
3	gamma-BHC (Lindane)	58-89-9	14931300	97%	1.0 µg/mL	+/- 0.0756
4	beta-BHC	319-85-7	BCCC6425	99%	1.0 µg/mL	+/- 0.0749
5	Endrin	72-20-8	15076100	98%	5.0 µg/mL	+/- 0.3769
6	4,4'-DDT	50-29-3	231103JLM	97%	10.0 µg/mL	+/- 0.7512
7	Methoxychlor	72-43-5	14979500	98%	24.8 µg/mL	+/- 1.8543
8	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	2.0 µg/mL	+/- 0.1513

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

Solvent: Hexane

CAS # 110-54-3

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 .2µm
Rtx-CLP II (cat.# 111323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

300°C

Det. Type:

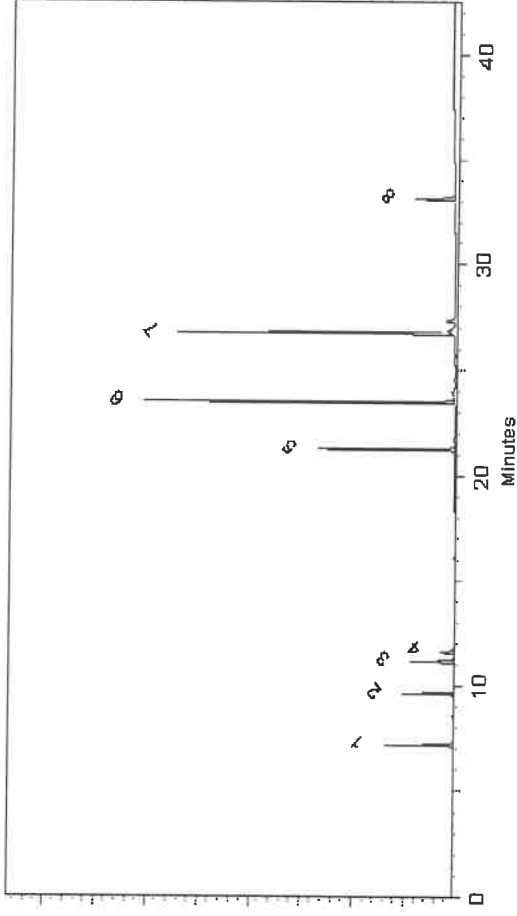
ECD

Split Vent:

Split ratio 50:1

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.

Malina Homan

Malina Homan - Operations Technician I

Date Mixed: 17-Jul-2024

Balance Serial # 1128353505

Jennifer Pollino

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Jul-2024

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



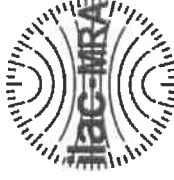
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

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

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

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

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

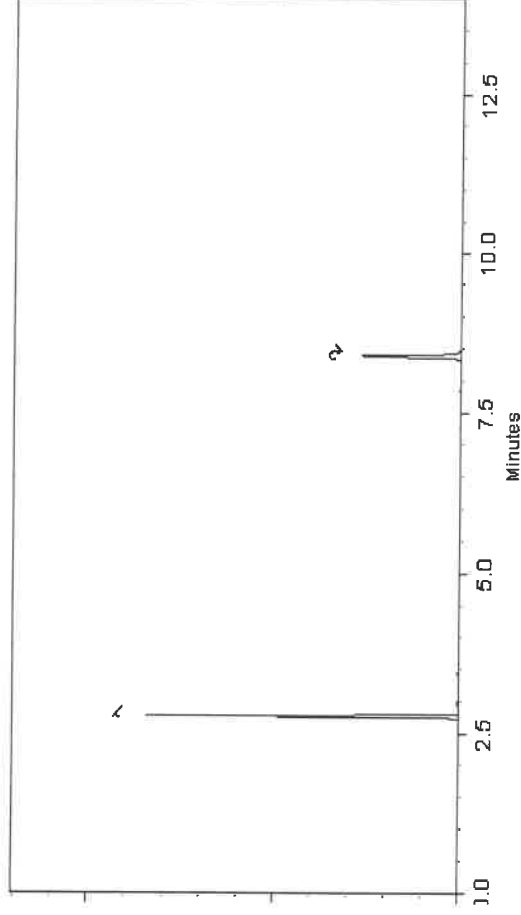
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



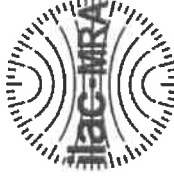
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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

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

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

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

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

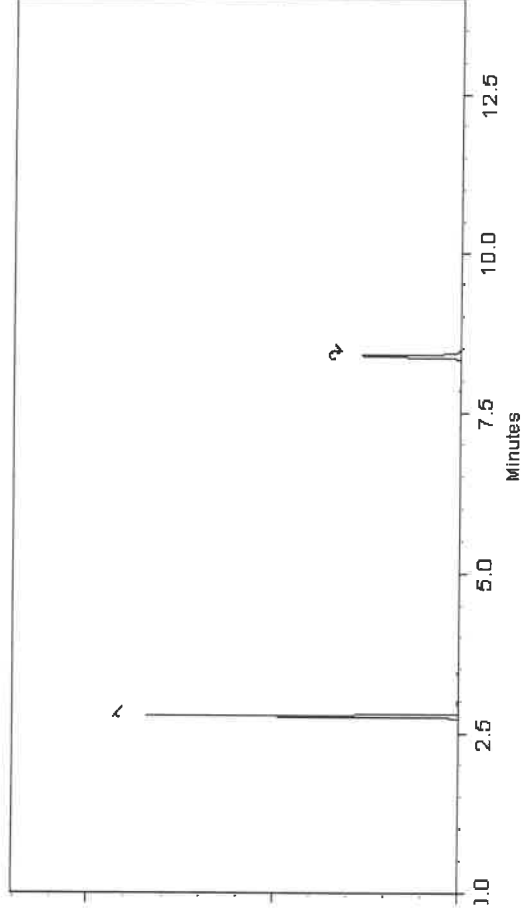
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

A. O. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



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

Catalog No. : 32005 **Lot No.:** A0210240
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

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

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

P13861
P13862

12/9/2024

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:

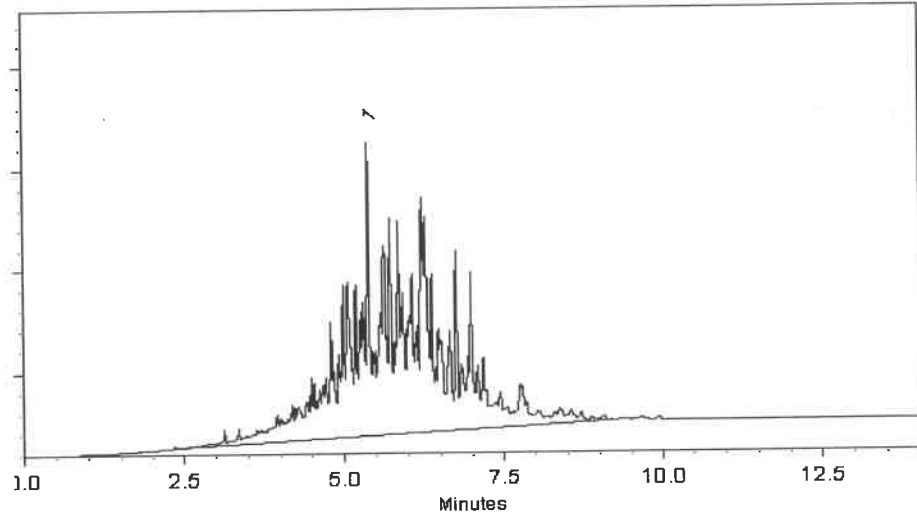
ECD

Split Vent:

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.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

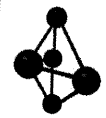

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

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

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**

Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**

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

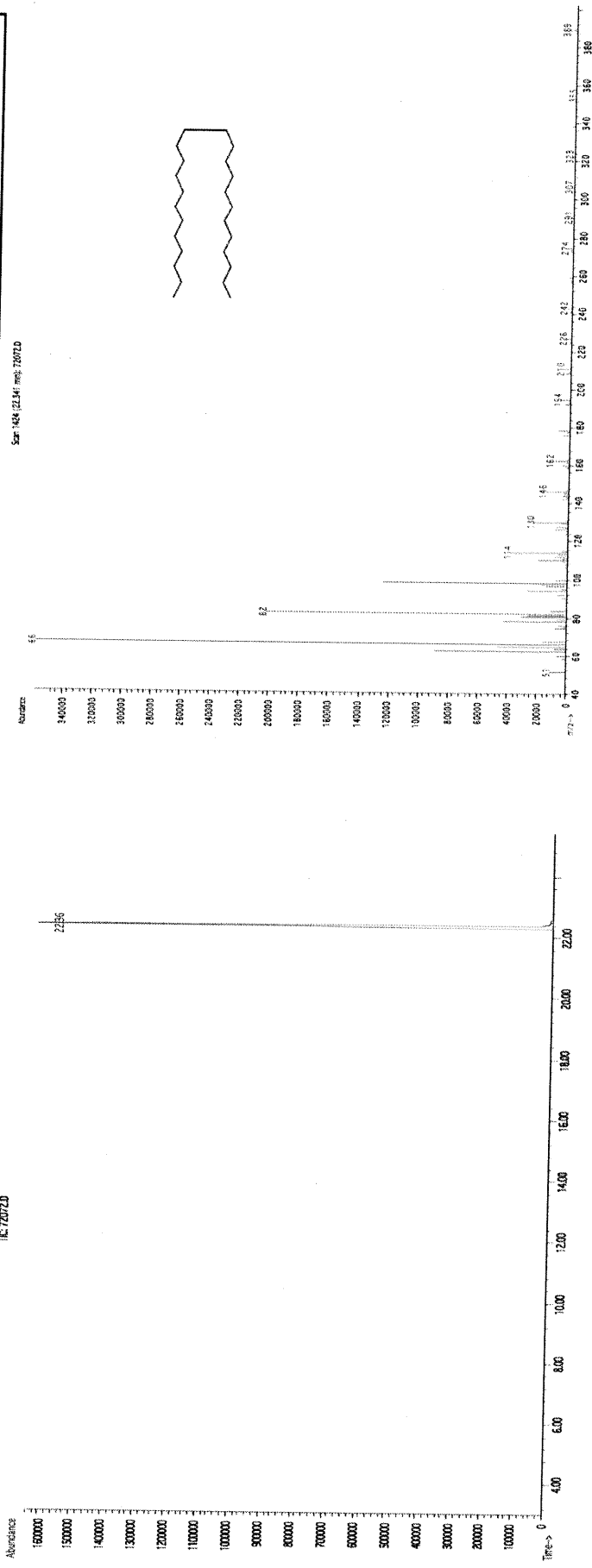
Solvent(s): **Methylene chloride**
Lot# **102669**

Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

<i>Prashant Chauhan</i>	
Formulated By:	Prashant Chauhan
DATE	112018
<i>Pedro Rentas</i>	
Reviewed By:	Pedro Rentas
DATE	112018

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 N/A
Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.										

TC 720720



• 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).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

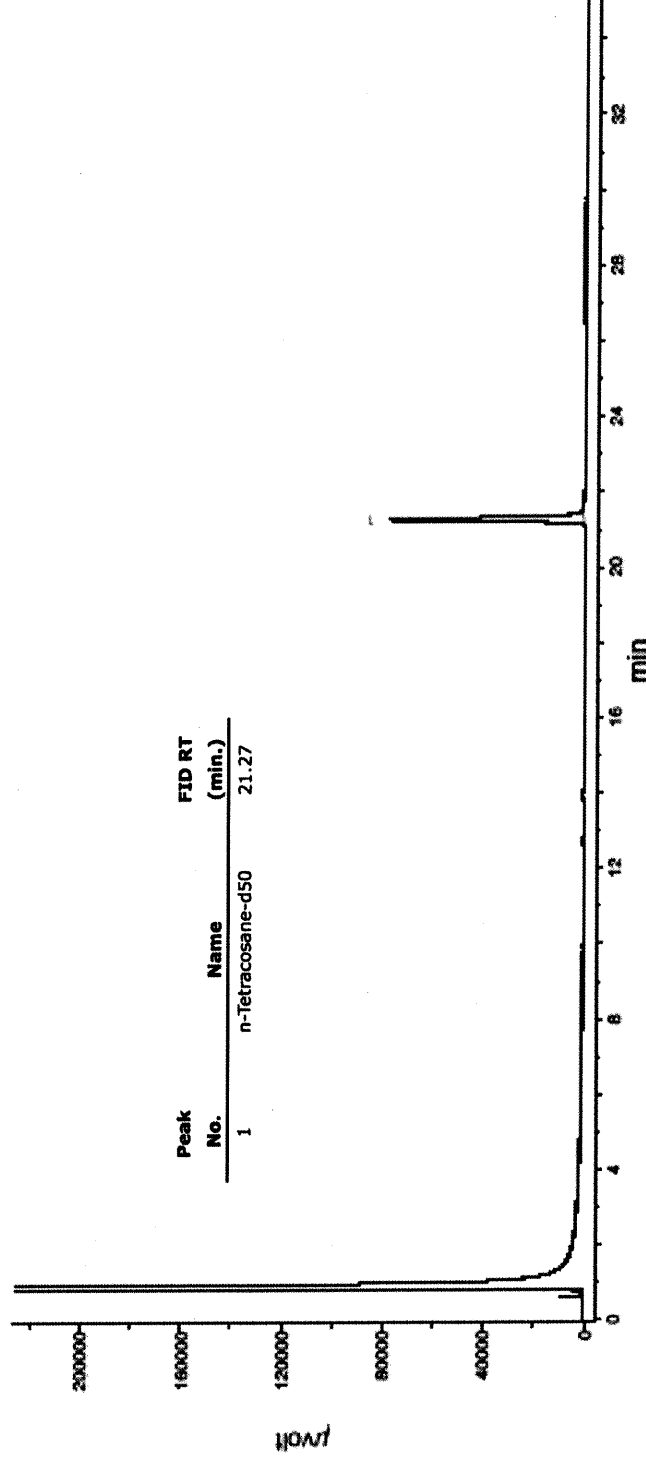
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: **Kleinfelder**
ADDRESS: **180 Shoreline Blvd.**
CITY: **Exton** STATE: **PA** ZIP:
ATTENTION: **Mark Warcho**
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Webster School**
PROJECT NO.: LOCATION:
PROJECT MANAGER: **Mark Warcho**
e-mail: PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: **Kleinfelder** PO#:
ADDRESS:
CITY **Framingham** STATE: **MA** ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) **5** DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

PADEP Clean Fill

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	C-1	soil	X		10/13/25	9:45	3	X									
2.	C-2	↓	X		↓	10:10	3	X									
3.	C-3	↓	X		↓	10:35	3	X									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Mark Warcho	DATE/TIME: 10/13/25 12:30	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.9°C Comments: PADEP Clean Fill Parameters 7th Gen #1
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME: 10/14/25 12:00	RECEIVED BY: 2. [Signature]	
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	

Page ____ of ____ CLIENT: ☐ Hand Delivered ☐ Other ☐ Shipment Complete ☐ YES ☐ NO

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 : Q3341	POWE02	Order Date : 10/14/2025 12:11:00 PM	Project Mgr :
Client Name : Kleinfelder		Project Name : Webster School	Report Type : Results+QC
Client Contact : Mark Warchol		Receive DateTime : 10/14/2025 12:00:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Kleinfelder		Purchase Order :	Hard Copy Date :
Invoice Contact : Mark Warchol			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3341-01	C-1	Solid	10/13/2025	09:45					
					VOCMS Group1		8260D	5 Bus. Days	
Q3341-02	C-2	Solid	10/13/2025	10:10					
					VOCMS Group1		8260D	5 Bus. Days	
Q3341-03	C-3	Solid	10/13/2025	10:35					
					VOCMS Group1		8260D	5 Bus. Days	

Relinquished By : 

Date / Time :

10/14/25 1230

Received By : _____

Date / Time : _____


10/14/25 12:30
R2.2

Storage Area : VOA Refridgerator Room