

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:	Q3155	OrderDate:	9/19/2025 1:05:00 PM
Client:	Kleinfelder	Project:	Tanner G. Duckrey Public School
Contact:	Mark Warchol	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3155-01	COMP-1	SOIL			09/19/25			09/19/25
			PCB Group1	8082A		09/22/25	09/22/25	
			PESTICIDE Group1	8081B		09/22/25	09/22/25	
Q3155-02	COMP-2	SOIL			09/19/25			09/19/25
			PCB Group1	8082A		09/22/25	09/22/25	
			PESTICIDE Group1	8081B		09/22/25	09/22/25	
Q3155-03	COMP-3	SOIL			09/19/25			09/19/25
			PCB Group1	8082A		09/22/25	09/22/25	
			PESTICIDE Group1	8081B		09/22/25	09/23/25	

Hit Summary Sheet
SW-846

SDG No.: Q3155

Order ID: Q3155

Client: Kleinfelder

Project ID: Tanner G. Duckrey Public School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
Q3155-01	COMP-1	SOIL	Dieldrin	0.86	JP	0.16	1.90	ug/kg
Q3155-01	COMP-1	SOIL	4,4-DDE	9.80		0.16	1.90	ug/kg
Q3155-01	COMP-1	SOIL	4,4-DDD	2.40	P	0.17	1.90	ug/kg
Q3155-01	COMP-1	SOIL	4,4-DDT	4.80		0.16	1.90	ug/kg
Total Concentration:				17.860				
Client ID : COMP-2								
Q3155-02	COMP-2	SOIL	Dieldrin	1.60	JP	0.15	1.90	ug/kg
Q3155-02	COMP-2	SOIL	4,4-DDE	9.30		0.15	1.90	ug/kg
Q3155-02	COMP-2	SOIL	4,4-DDD	2.50	P	0.16	1.90	ug/kg
Q3155-02	COMP-2	SOIL	4,4-DDT	9.90		0.15	1.90	ug/kg
Total Concentration:				23.300				
Client ID : COMP-3								
Q3155-03	COMP-3	SOIL	4,4-DDE	18.6		0.15	1.80	ug/kg
Q3155-03	COMP-3	SOIL	4,4-DDD	2.00	P	0.16	1.80	ug/kg
Q3155-03	COMP-3	SOIL	4,4-DDT	7.50		0.15	1.80	ug/kg
Total Concentration:				28.100				



QC SUMMARY

Surrogate Summary

SDG No.: **Q3155**

Client: **Kleinfelder**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PL097268.D	PIBLK-PL097268.D	Decachlorobiphen	1	20	17.3	87		57	171
		Tetrachloro-m-xyl	1	20	15.6	78		61	148
		Decachlorobiphen	2	20	17.1	86		57	171
		Tetrachloro-m-xyl	2	20	16.0	80		61	148
I.BLK-PL097315.D	PIBLK-PL097315.D	Decachlorobiphen	1	20	20.8	104		57	171
		Tetrachloro-m-xyl	1	20	17.6	88		61	148
		Decachlorobiphen	2	20	18.6	93		57	171
		Tetrachloro-m-xyl	2	20	18.7	94		61	148
PB169772BL	PB169772BL	Decachlorobiphen	1	20	16.8	84		20	144
		Tetrachloro-m-xyl	1	20	14.9	75		19	148
		Decachlorobiphen	2	20	14.7	73		20	144
		Tetrachloro-m-xyl	2	20	15.3	76		19	148
PB169772BS	PB169772BS	Decachlorobiphen	1	20	25.4	127		20	144
		Tetrachloro-m-xyl	1	20	23.5	117		19	148
		Decachlorobiphen	2	20	22.5	112		20	144
		Tetrachloro-m-xyl	2	20	23.6	118		19	148
I.BLK-PL097327.D	PIBLK-PL097327.D	Decachlorobiphen	1	20	20.2	101		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	17.3	87		57	171
		Tetrachloro-m-xyl	2	20	18.6	93		61	148
I.BLK-PL097339.D	PIBLK-PL097339.D	Decachlorobiphen	1	20	21.0	105		57	171
		Tetrachloro-m-xyl	1	20	18.3	91		61	148
		Decachlorobiphen	2	20	19.2	96		57	171
		Tetrachloro-m-xyl	2	20	18.9	95		61	148
Q3153-01MS	OR-500-COMP-39MS	Decachlorobiphen	1	20	13.1	65		20	144
		Tetrachloro-m-xyl	1	20	15.0	75		19	148
		Decachlorobiphen	2	20	11.5	58		20	144
		Tetrachloro-m-xyl	2	20	15.4	77		19	148
Q3153-01MSD	OR-500-COMP-39MSD	Decachlorobiphen	1	20	12.9	64		20	144
		Tetrachloro-m-xyl	1	20	14.9	74		19	148
		Decachlorobiphen	2	20	11.5	57		20	144
		Tetrachloro-m-xyl	2	20	15.4	77		19	148
Q3155-01	COMP-1	Decachlorobiphen	1	20	13.0	65		20	144
		Tetrachloro-m-xyl	1	20	14.1	71		19	148
		Decachlorobiphen	2	20	12.2	61		20	144
		Tetrachloro-m-xyl	2	20	14.3	72		19	148
Q3155-02	COMP-2	Decachlorobiphen	1	20	17.2	86		20	144
		Tetrachloro-m-xyl	1	20	16.5	83		19	148
		Decachlorobiphen	2	20	17.4	87		20	144
		Tetrachloro-m-xyl	2	20	16.1	80		19	148
Q3155-03	COMP-3	Decachlorobiphen	1	20	11.6	58		20	144

Surrogate Summary

SDG No.: Q3155

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3155-03	COMP-3	Tetrachloro-m-xyl	1	20	11.4	57		19	148
		Decachlorobiphen	2	20	10.6	53		20	144
		Tetrachloro-m-xyl	2	20	11.1	56		19	148
I.BLK-PL097354.D	PIBLK-PL097354.D	Decachlorobiphen	1	20	20.8	104		57	171
		Tetrachloro-m-xyl	1	20	18.1	91		61	148
		Decachlorobiphen	2	20	17.4	87		57	171
		Tetrachloro-m-xyl	2	20	18.6	93		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3155</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Kleinfelder</u>	DataFile :	<u>PL097347.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3153-01MS (Column 1)	Client Sample ID:		OR-500-COMP-39MS								
	Aldrin	17.89	0	13.7	ug/kg	77				49	139	
	Dieldrin	17.89	0	13.7	ug/kg	77				47	161	
	4,4'-DDE	17.89	0	13.9	ug/kg	78				55	136	
	4,4'-DDD	17.89	0	14.8	ug/kg	83				47	163	
	4,4'-DDT	17.89	0	12.7	ug/kg	71				51	146	
Lab Sample ID:	Q3153-01MS (Column 2)	Client Sample ID:		OR-500-COMP-39MS								
	Aldrin	17.89	0	13.7	ug/kg	77				49	139	
	Dieldrin	17.89	0	13.5	ug/kg	75				47	161	
	4,4'-DDE	17.89	0	13.5	ug/kg	75				55	136	
	4,4'-DDD	17.89	0	13.0	ug/kg	73				47	163	
	4,4'-DDT	17.89	0	11.9	ug/kg	67				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3155</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Kleinfelder</u>	DataFile :	<u>PL097348.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	Qual	RPD	Qual	Low	High
Lab Sample ID:	Q3153-01MSD (Column 1)	Client Sample ID:		OR-500-COMP-39MSD								
	Aldrin	17.88	0	13.6	ug/kg	76		1		49	139	20
	Dieldrin	17.88	0	13.5	ug/kg	76		1		47	161	20
	4,4'-DDE	17.88	0	13.7	ug/kg	77		1		55	136	20
	4,4'-DDD	17.88	0	14.6	ug/kg	82		1		47	163	20
	4,4'-DDT	17.88	0	12.4	ug/kg	69		3		51	146	20
Lab Sample ID:	Q3153-01MSD (Column 2)	Client Sample ID:		OR-500-COMP-39MSD								
	Aldrin	17.88	0	13.6	ug/kg	76		1		49	139	20
	Dieldrin	17.88	0	13.3	ug/kg	74		1		47	161	20
	4,4'-DDE	17.88	0	13.4	ug/kg	75		0		55	136	20
	4,4'-DDD	17.88	0	12.9	ug/kg	72		1		47	163	20
	4,4'-DDT	17.88	0	11.7	ug/kg	65		3		51	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3155</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Kleinfelder</u>	Datafile :	<u>PL097320.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169772BS (Column 1)	Aldrin	16.66	15.6	ug/kg	94				82	124		
	Dieldrin	16.66	15.8	ug/kg	95				85	121		
	4,4'-DDE	16.66	16.3	ug/kg	98				81	123		
	4,4'-DDD	16.66	16.6	ug/kg	100				80	131		
	4,4'-DDT	16.66	14.8	ug/kg	89				70	129		
PB169772BS (Column 2)	Aldrin	16.66	15.5	ug/kg	93				82	124		
	Dieldrin	16.66	15.4	ug/kg	92				85	121		
	4,4'-DDE	16.66	15.6	ug/kg	94				81	123		
	4,4'-DDD	16.66	16.0	ug/kg	96				80	131		
	4,4'-DDT	16.66	14.3	ug/kg	86				70	129		

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169772BL

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab Sample ID: PB169772BL

Lab File ID: PL097319.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/22/2025

Date Analyzed (1): 09/22/2025

Date Analyzed (2): 09/22/2025

Time Analyzed (1): 13:30

Time Analyzed (2): 13:30

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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
PB169772BS	PB169772BS	PL097320.D	09/22/2025	09/22/2025
OR-500-COMP-39MS	Q3153-01MS	PL097347.D	09/22/2025	09/22/2025
OR-500-COMP-39MSD	Q3153-01MSD	PL097348.D	09/22/2025	09/22/2025
COMP-1	Q3155-01	PL097350.D	09/22/2025	09/22/2025
COMP-2	Q3155-02	PL097351.D	09/22/2025	09/22/2025
COMP-3	Q3155-03	PL097352.D	09/23/2025	09/23/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	09/19/25
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	COMP-1	SDG No.:	Q3155
Lab Sample ID:	Q3155-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.8 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097350.D	1	09/22/25 08:41	09/22/25 23:38	PB169772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
60-57-1	Dieldrin	0.86	JP	0.16	1.90	ug/kg
72-55-9	4,4-DDE	9.80		0.16	1.90	ug/kg
72-54-8	4,4-DDD	2.40	P	0.17	1.90	ug/kg
50-29-3	4,4-DDT	4.80		0.16	1.90	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.0		20 - 144	65%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.3		19 - 148	72%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097350.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 23:38
 Operator : AR\AJ
 Sample : Q3155-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 COMP-1

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:50:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.825	63851966	94237422	14.104m	14.331
28)	SA Decachlor...	8.998	7.981	42467490	69525182	12.978m	12.215m
Target Compounds							
11)	B alpha-Chl...	5.990	5.106	5455391	3952594	0.960m	0.476m#
12)	B 4,4'-DDE	6.156	5.296	119.1E6	199.2E6	25.000	25.927
13)	MA Dieldrin	6.303	5.428	5269112	18590920	0.961m	2.274 #
16)	A 4,4'-DDD	6.664	5.848	23990160	25077191	6.363	3.888m#
17)	MA 4,4'-DDT	6.977	6.100	53125388	83268341	12.568m	12.032

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097350.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 23:38
Operator : AR\AJ
Sample : Q3155-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

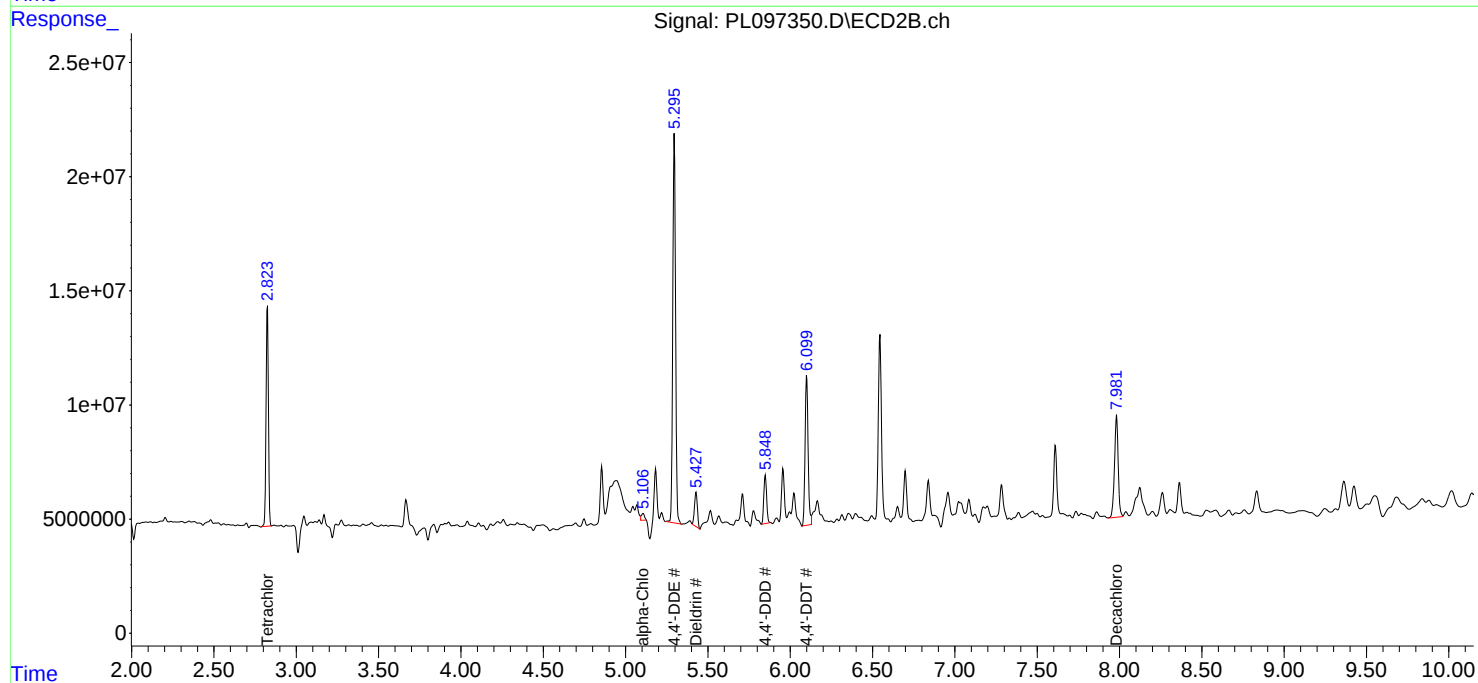
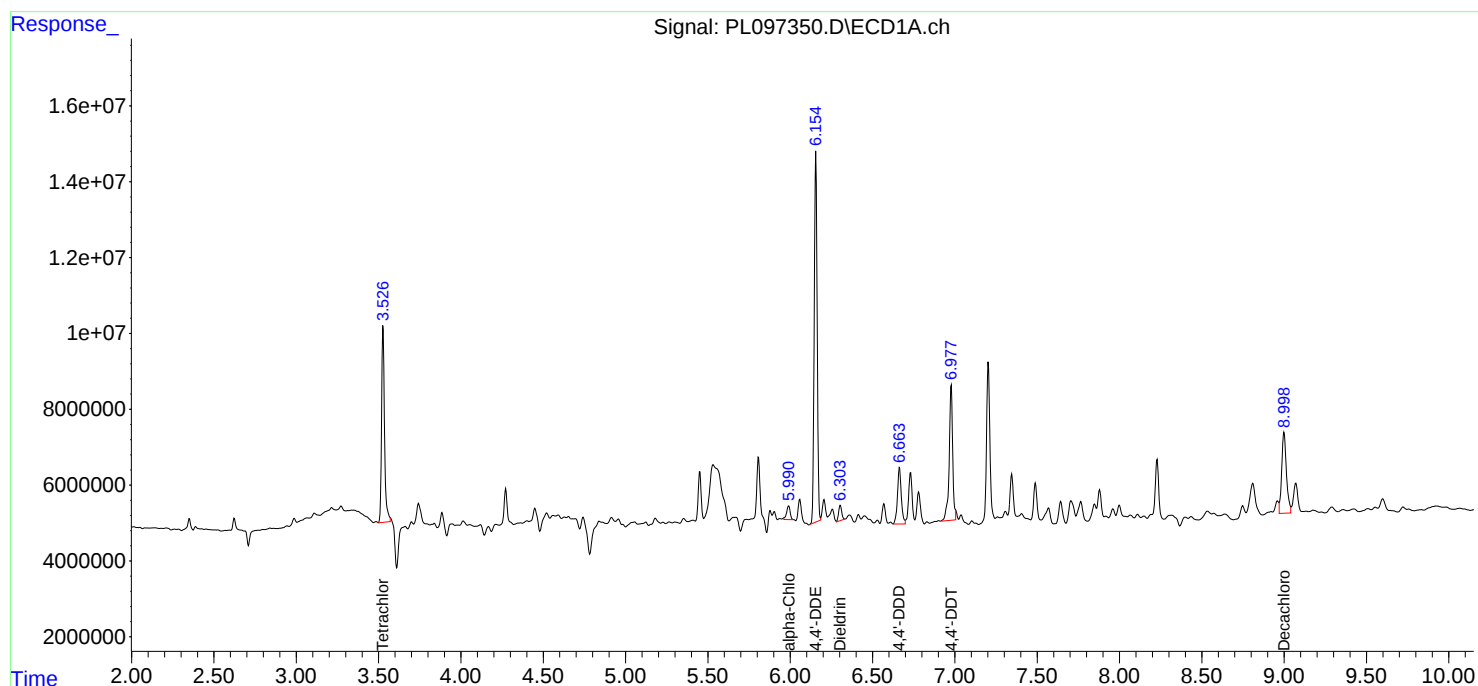
Instrument :
ECD_L
ClientSampleId :
COMP-1

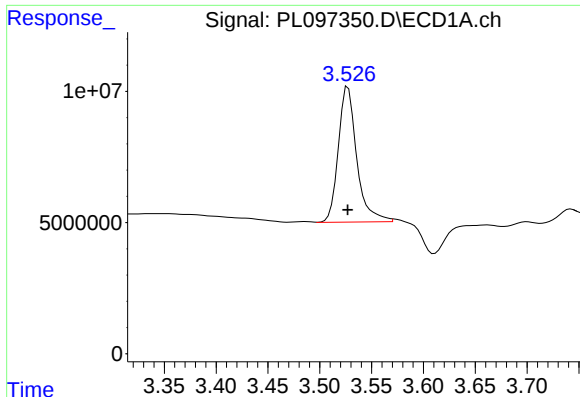
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/23/2025
Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:50:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm





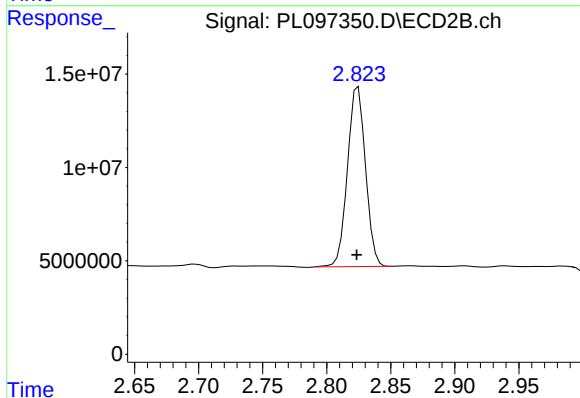
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: -0.001 min
Response: 63851966
Conc: 14.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1

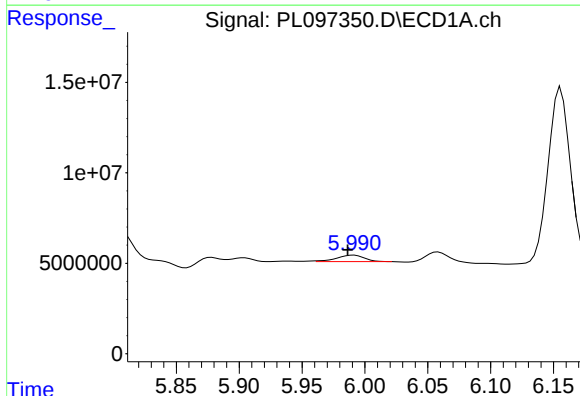
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



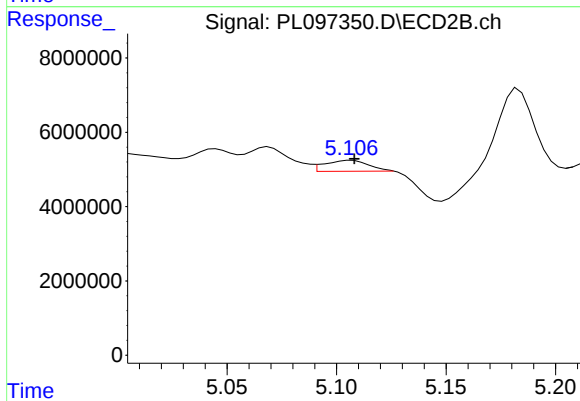
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: 0.001 min
Response: 94237422
Conc: 14.33 ng/ml



#11 alpha-Chlordane

R.T.: 5.990 min
Delta R.T.: 0.003 min
Response: 5455391
Conc: 0.96 ng/ml m



#11 alpha-Chlordane

R.T.: 5.106 min
Delta R.T.: -0.003 min
Response: 3952594
Conc: 0.48 ng/ml m

Response_ Signal: PL097350.D\ECD1A.ch

#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 119119530
Conc: 25.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025

Time 5.95 6.00 6.05 6.10 6.15 6.20 6.25 6.30

Response_ Signal: PL097350.D\ECD2B.ch

#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 199238431
Conc: 25.93 ng/ml

Time 5.00 5.10 5.20 5.30 5.40 5.50

Response_ Signal: PL097350.D\ECD1A.ch

#13 Dieldrin

R.T.: 6.303 min
Delta R.T.: -0.003 min
Response: 5269112
Conc: 0.96 ng/ml m

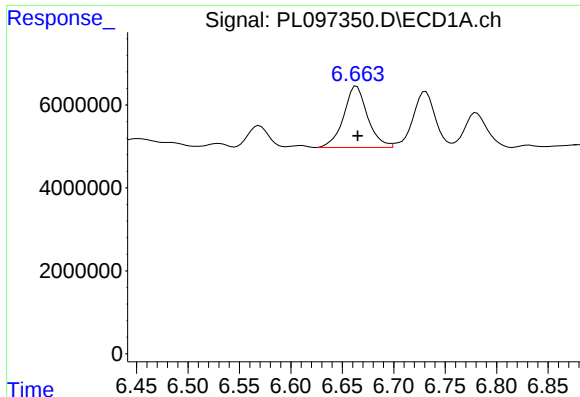
Time 6.20 6.25 6.30 6.35 6.40

Response_ Signal: PL097350.D\ECD2B.ch

#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 18590920
Conc: 2.27 ng/ml

Time 5.30 5.35 5.40 5.45 5.50 5.55



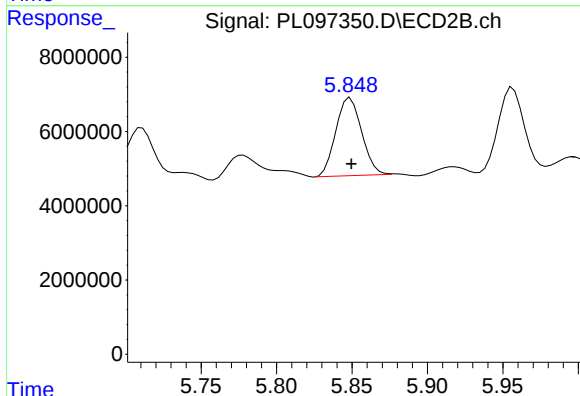
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 23990160
Conc: 6.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1

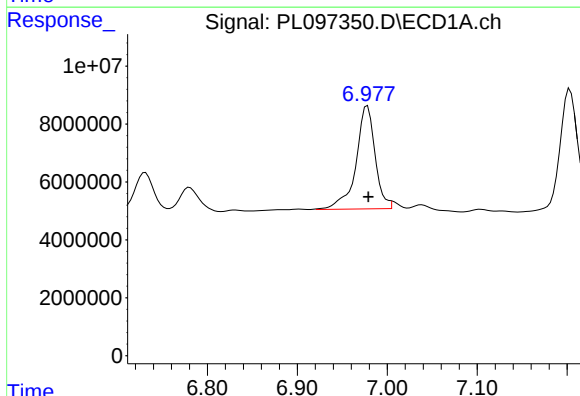
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



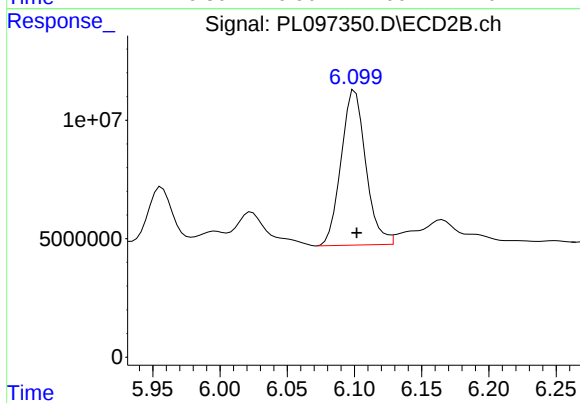
#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.002 min
Response: 25077191
Conc: 3.89 ng/ml m



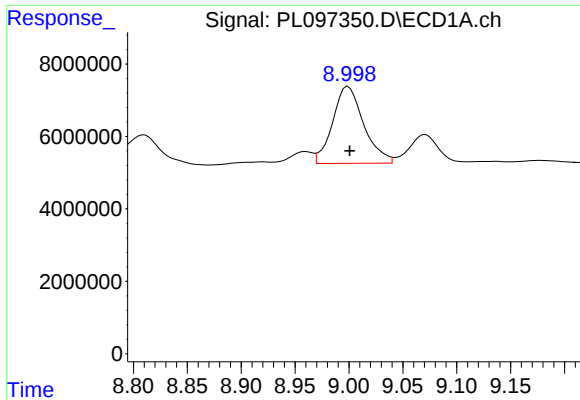
#17 4,4'-DDT

R.T.: 6.977 min
Delta R.T.: -0.002 min
Response: 53125388
Conc: 12.57 ng/ml m



#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 83268341
Conc: 12.03 ng/ml



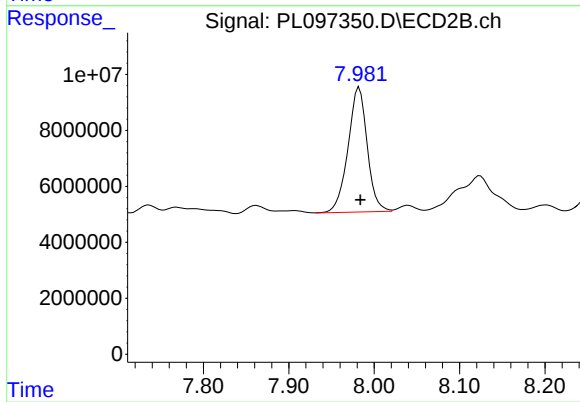
#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.003 min
Response: 42467490
Conc: 12.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



#28 Decachlorobiphenyl

R.T.: 7.981 min
Delta R.T.: -0.003 min
Response: 69525182
Conc: 12.22 ng/ml m

Report of Analysis

Client:	Kleinfelder	Date Collected:	09/19/25
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	COMP-2	SDG No.:	Q3155
Lab Sample ID:	Q3155-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097351.D	1	09/22/25 08:41	09/22/25 23:52	PB169772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
60-57-1	Dieldrin	1.60	JP	0.15	1.90	ug/kg
72-55-9	4,4-DDE	9.30		0.15	1.90	ug/kg
72-54-8	4,4-DDD	2.50	P	0.16	1.90	ug/kg
50-29-3	4,4-DDT	9.90		0.15	1.90	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.4		20 - 144	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.5		19 - 148	83%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097351.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 23:52
 Operator : AR\AJ
 Sample : Q3155-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 COMP-2

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:50:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.825	74847506	105.8E6	16.533m	16.090
28)	SA Decachlor...	8.999	7.981	56331246	99116009	17.215m	17.415m
Target Compounds							
10)	B gamma-Chl...	5.904	5.043	8202531	7992702	1.451m	0.915m#
11)	B alpha-Chl...	5.989	5.106	18426109	11091545	3.244m	1.336m#
12)	B 4,4'-DDE	6.156	5.297	115.5E6	195.8E6	24.251	25.484
13)	MA Dieldrin	6.304	5.429	6219744	36928821	1.135m	4.516 #
16)	A 4,4'-DDD	6.664	5.848	26043873	18343547	6.907	2.844m#
19)	B Endosulfa...	7.106	6.397	7666313	4318365	1.878m	0.630 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 23:52
Operator : AR\AJ
Sample : Q3155-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

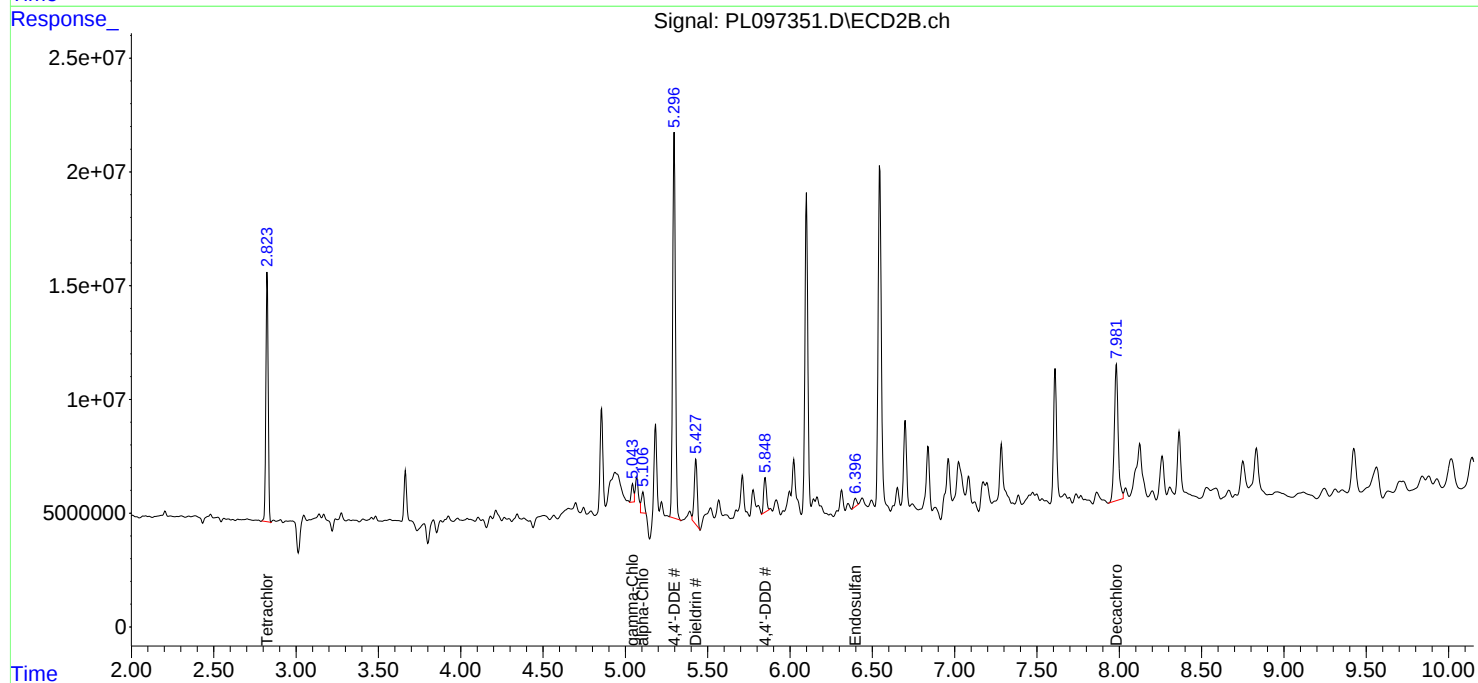
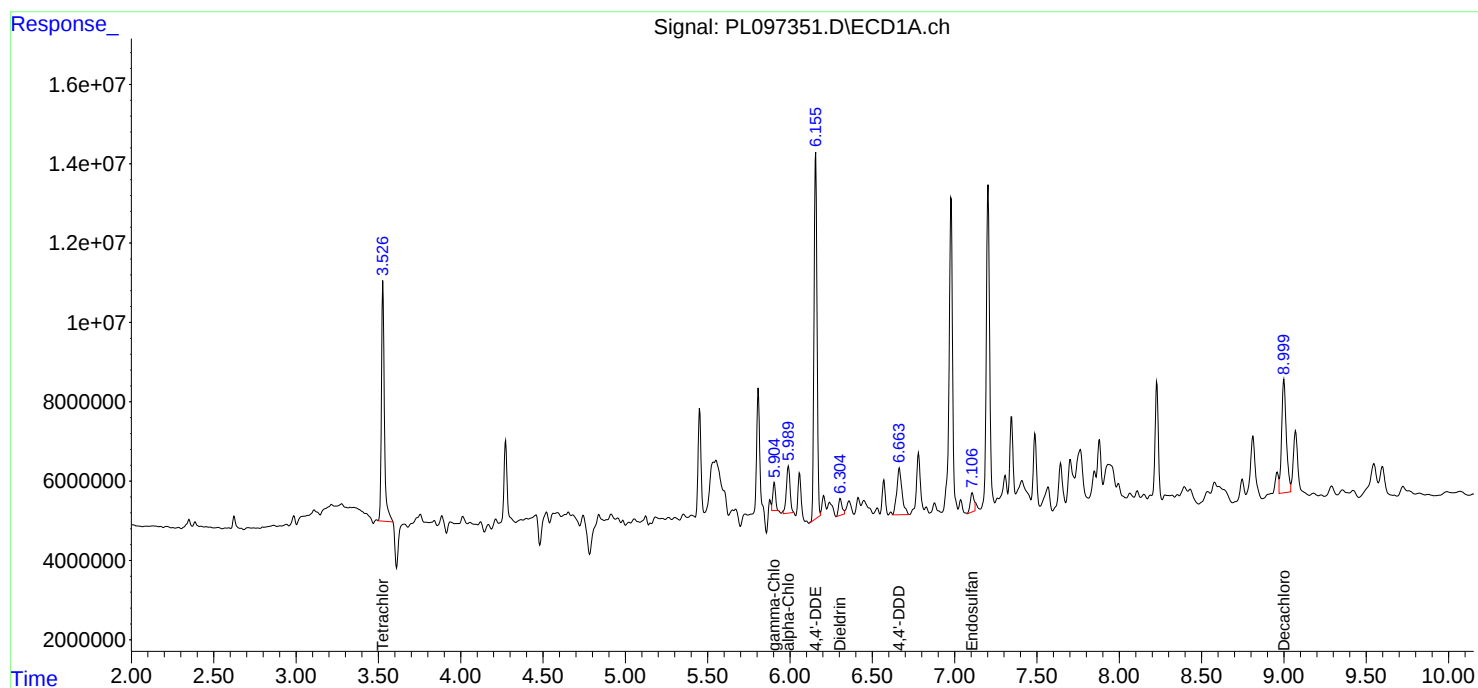
Instrument :
ECD_L
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

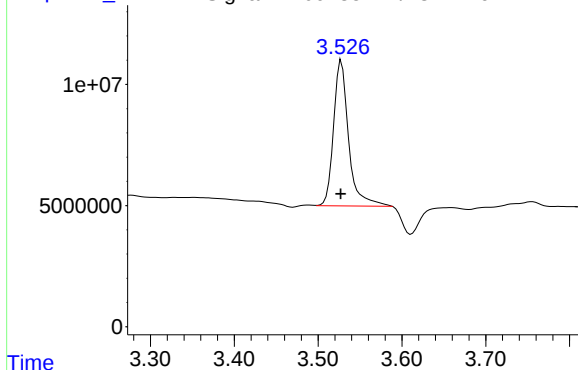
Reviewed By : Abdul Mirza 09/23/2025
Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:50:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



Response_ Signal: PL097351.D\ECD1A.ch



#1 Tetrachloro-m-xylene

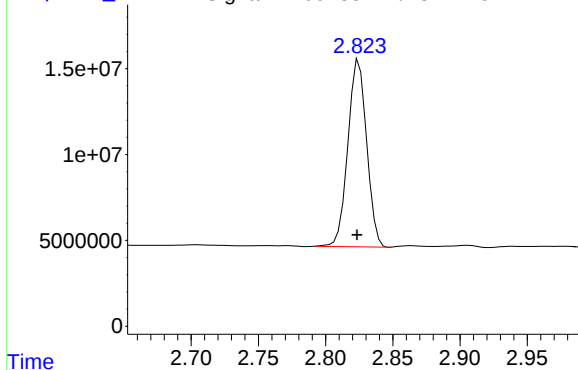
R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 74847506
Conc: 16.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-2

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025

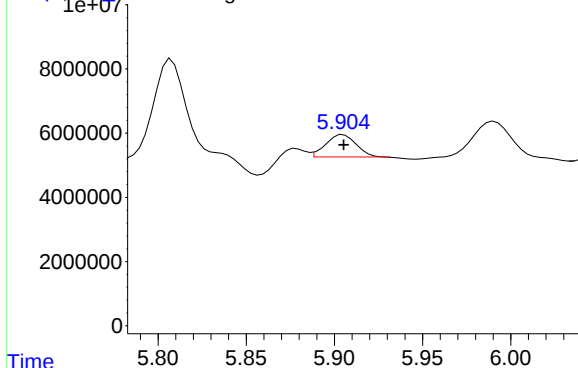
Response_ Signal: PL097351.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: 0.001 min
Response: 105800094
Conc: 16.09 ng/ml

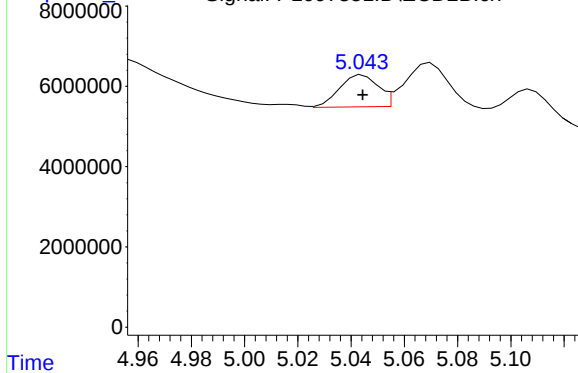
Response_ Signal: PL097351.D\ECD1A.ch



#10 gamma-Chlordane

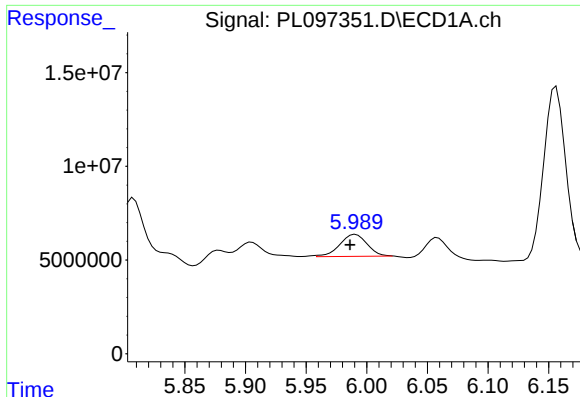
R.T.: 5.904 min
Delta R.T.: -0.002 min
Response: 8202531
Conc: 1.45 ng/ml m

Response_ Signal: PL097351.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.001 min
Response: 7992702
Conc: 0.92 ng/ml m



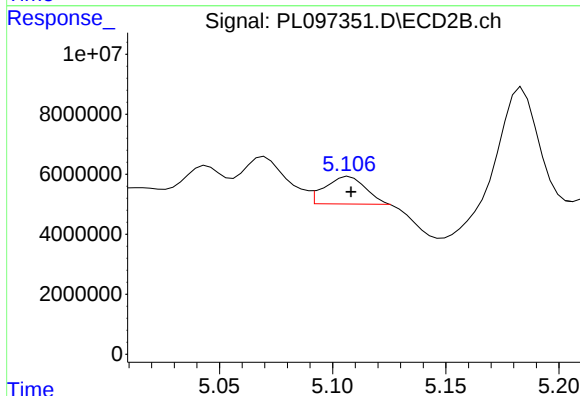
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: 0.003 min
Response: 18426109
Conc: 3.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-2

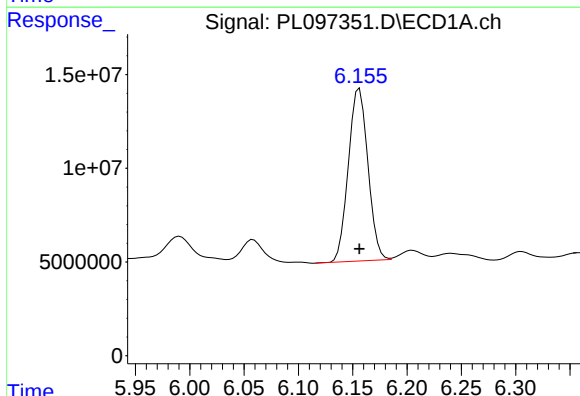
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



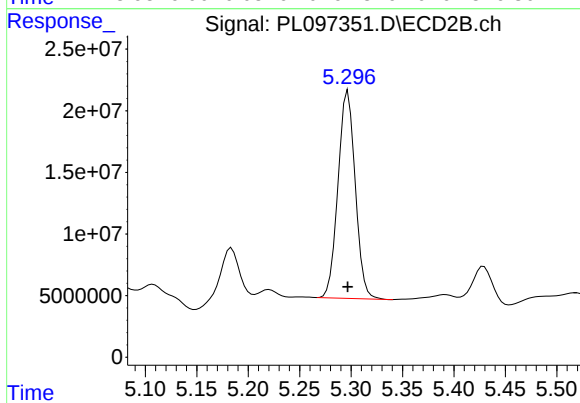
#11 alpha-Chlordane

R.T.: 5.106 min
Delta R.T.: -0.002 min
Response: 11091545
Conc: 1.34 ng/ml m



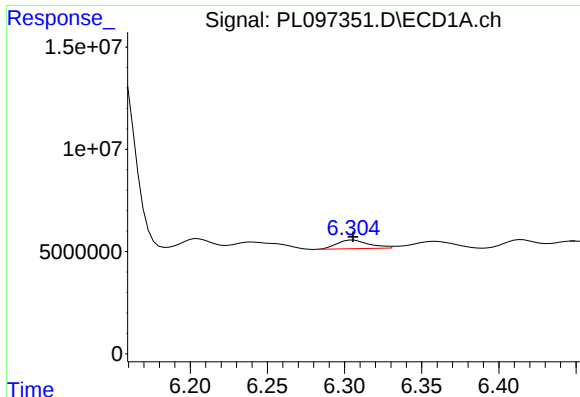
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 115547650
Conc: 24.25 ng/ml



#12 4,4'-DDE

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 195837163
Conc: 25.48 ng/ml



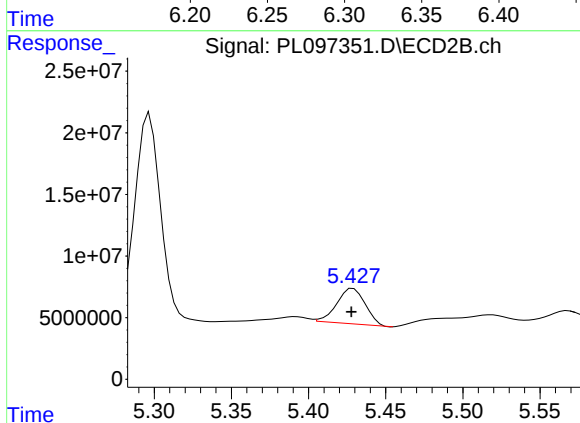
#13 Dieldrin

R.T.: 6.304 min
Delta R.T.: -0.002 min
Response: 6219744
Conc: 1.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-2

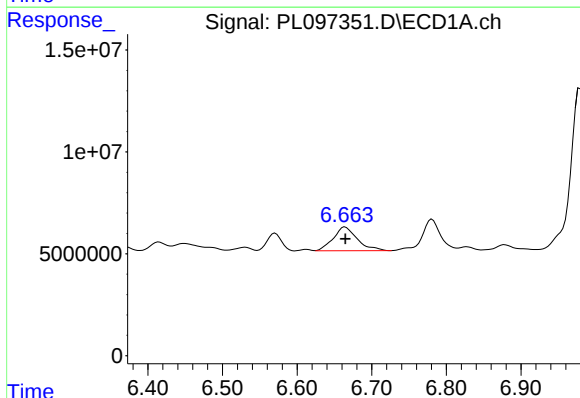
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



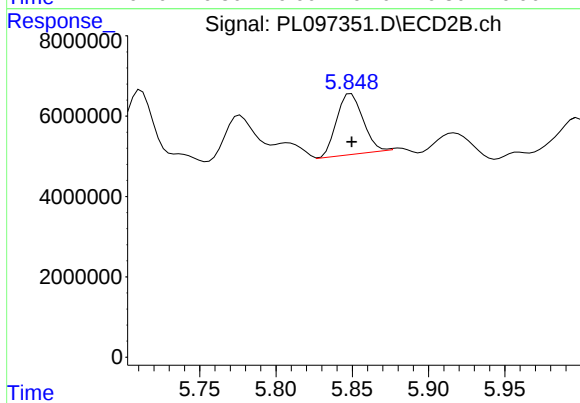
#13 Dieldrin

R.T.: 5.429 min
Delta R.T.: 0.001 min
Response: 36928821
Conc: 4.52 ng/ml



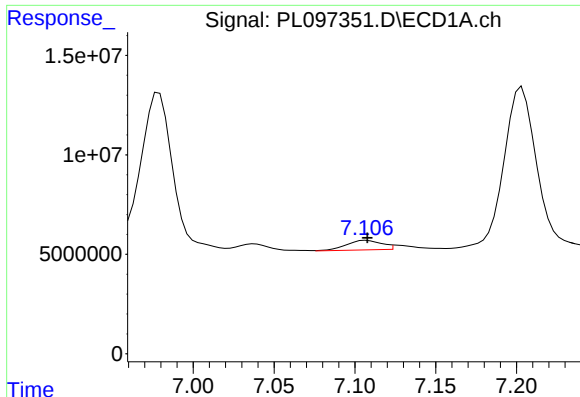
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 26043873
Conc: 6.91 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.002 min
Response: 18343547
Conc: 2.84 ng/ml m



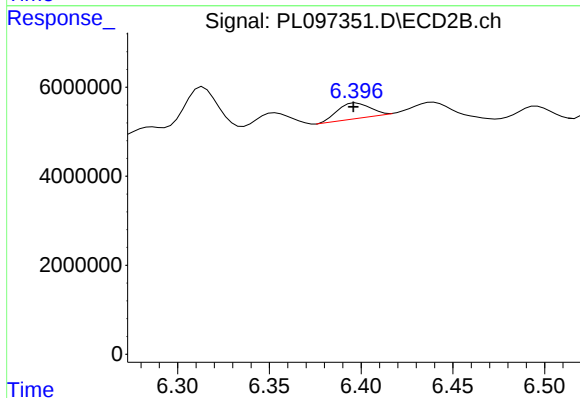
#19 Endosulfan Sulfate

R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 7666313
Conc: 1.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-2

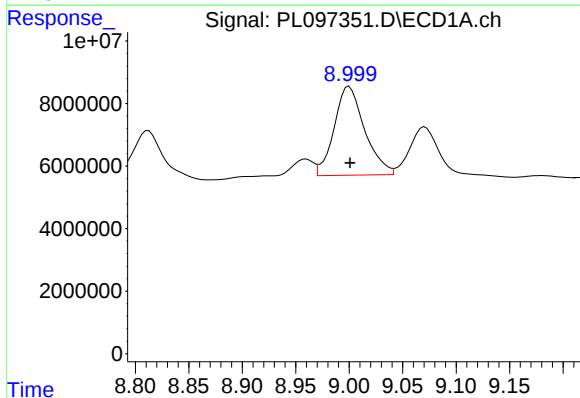
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



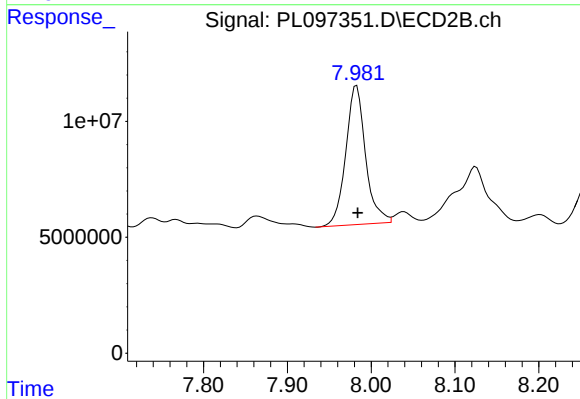
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: 0.002 min
Response: 4318365
Conc: 0.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.999 min
Delta R.T.: -0.002 min
Response: 56331246
Conc: 17.22 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.981 min
Delta R.T.: -0.003 min
Response: 99116009
Conc: 17.41 ng/ml m

Report of Analysis

Client:	Kleinfelder	Date Collected:	09/19/25
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	COMP-3	SDG No.:	Q3155
Lab Sample ID:	Q3155-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.8
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097352.D	1	09/22/25 08:41	09/23/25 00:05	PB169772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	18.6		0.15	1.80	ug/kg
72-54-8	4,4-DDD	2.00	P	0.16	1.80	ug/kg
50-29-3	4,4-DDT	7.50		0.15	1.80	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.6		20 - 144	58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.4		19 - 148	57%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097352.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 00:05
 Operator : AR\AJ
 Sample : Q3155-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 COMP-3

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:50:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.528	2.825	51417330	73041005	11.358	11.108
28)	SA Decachlor...	9.000	7.981	37797116	60031377	11.551	10.547m
Target Compounds							
10)	B gamma-Chl...	5.904	5.044	7591432	8943669	1.343m	1.024m
11)	B alpha-Chl...	5.988	5.106	20249626	16264390	3.565m	1.959m#
12)	B 4,4'-DDE	6.156	5.297	235.7E6	394.2E6	49.470	51.300
16)	A 4,4'-DDD	6.665	5.849	20804940	22397075	5.518	3.473 #
17)	MA 4,4'-DDT	6.978	6.101	87183723	130.5E6	20.624	18.861

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 00:05
Operator : AR\AJ
Sample : Q3155-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

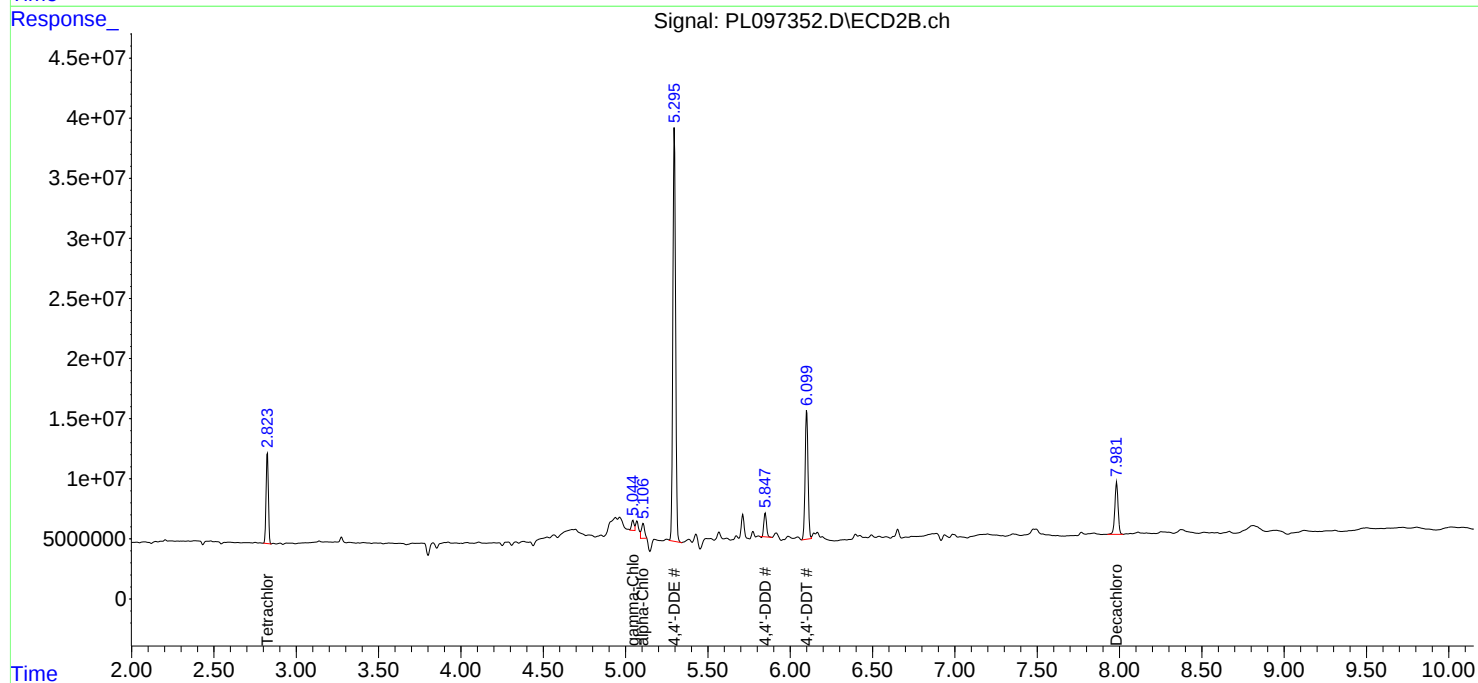
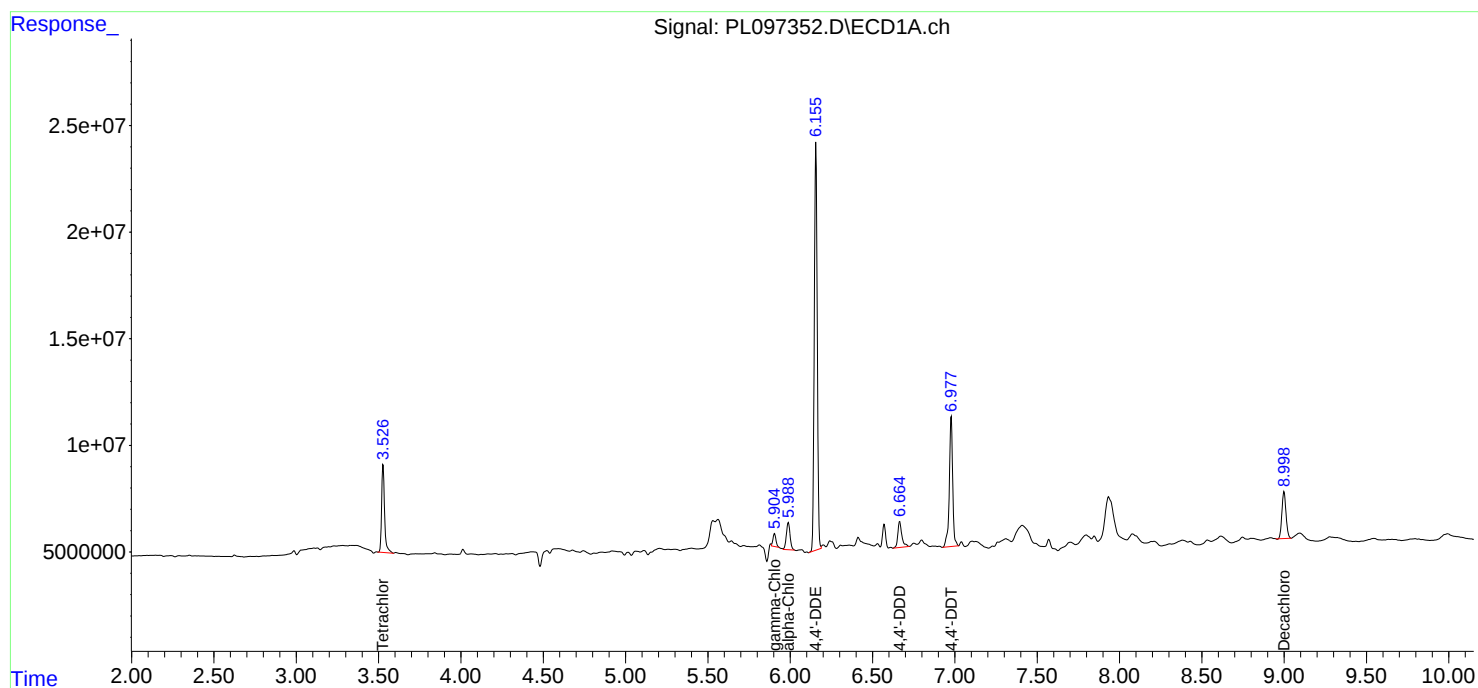
Instrument :
ECD_L
ClientSampleId :
COMP-3

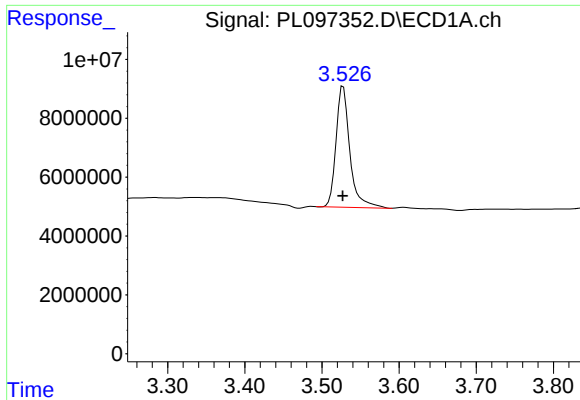
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/23/2025
Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:50:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm





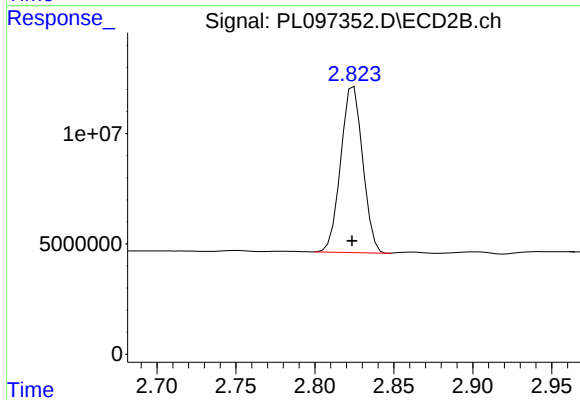
#1 Tetrachloro-m-xylene

R.T.: 3.528 min
Delta R.T.: 0.000 min
Response: 51417330
Conc: 11.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-3

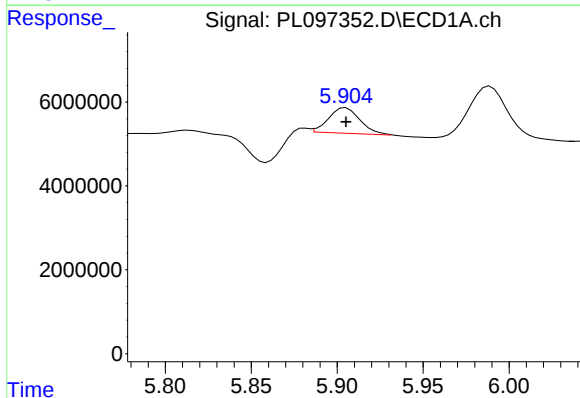
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



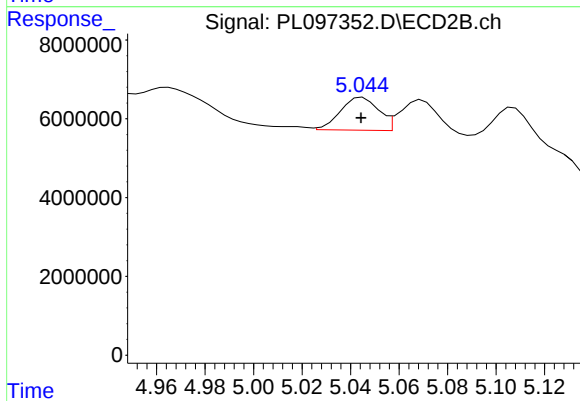
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: 0.001 min
Response: 73041005
Conc: 11.11 ng/ml



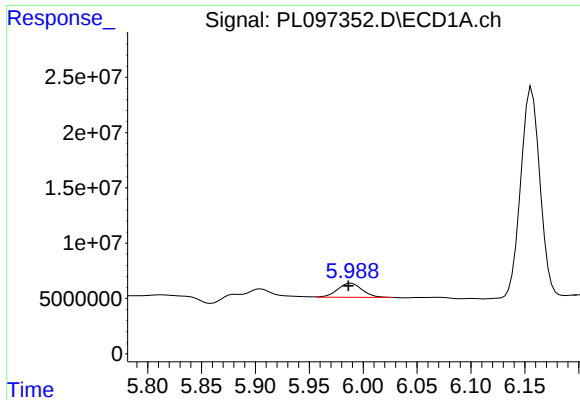
#10 gamma-Chlordane

R.T.: 5.904 min
Delta R.T.: -0.002 min
Response: 7591432
Conc: 1.34 ng/ml m



#10 gamma-Chlordane

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 8943669
Conc: 1.02 ng/ml m



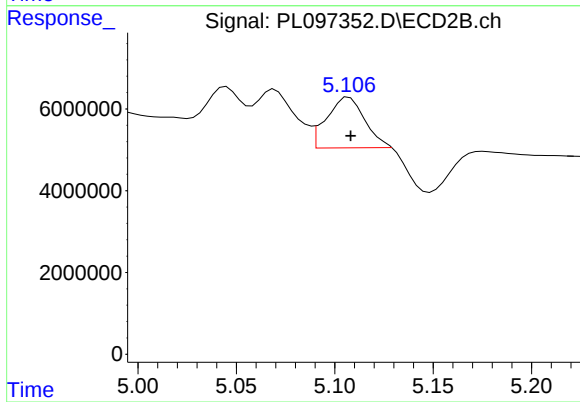
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: 0.001 min
Response: 20249626
Conc: 3.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-3

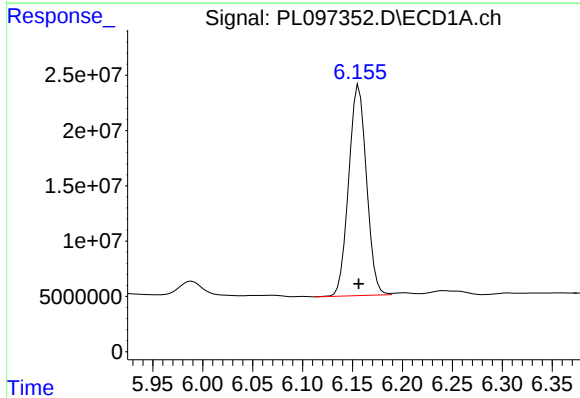
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



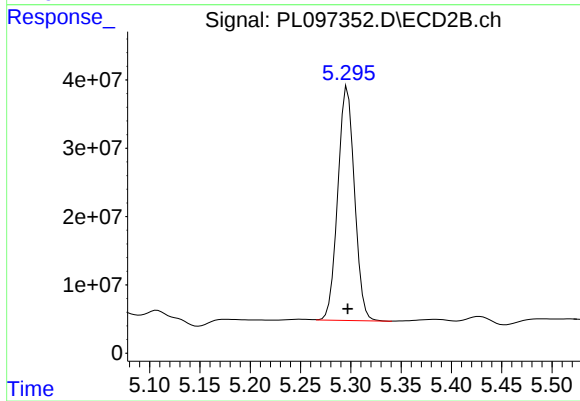
#11 alpha-Chlordane

R.T.: 5.106 min
Delta R.T.: -0.002 min
Response: 16264390
Conc: 1.96 ng/ml m



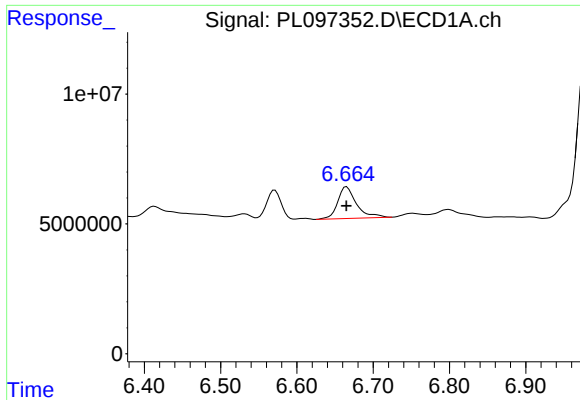
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 235708481
Conc: 49.47 ng/ml



#12 4,4'-DDE

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 394225426
Conc: 51.30 ng/ml



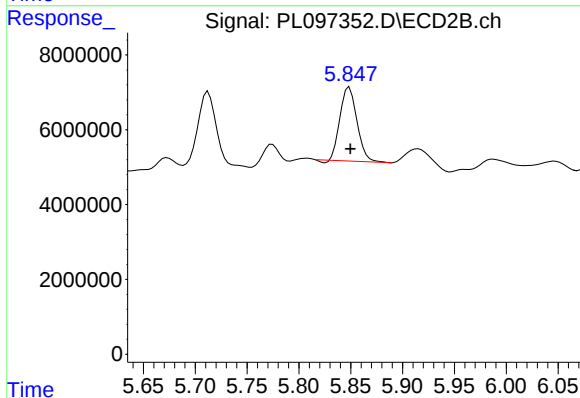
#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: 0.000 min
Response: 20804940
Conc: 5.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-3

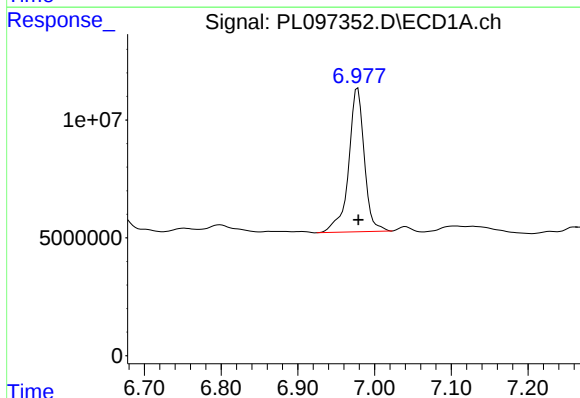
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



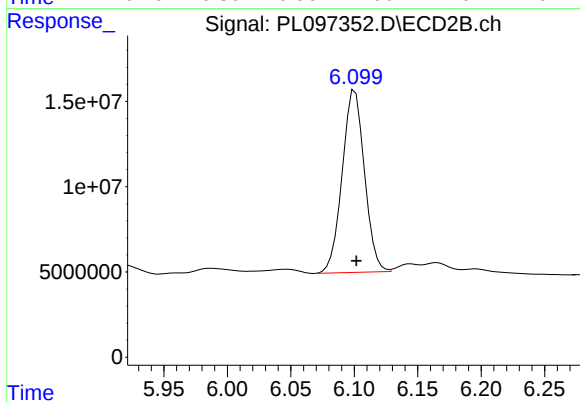
#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 22397075
Conc: 3.47 ng/ml



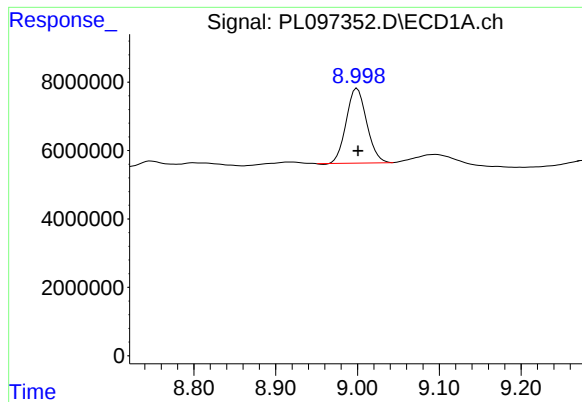
#17 4,4'-DDT

R.T.: 6.978 min
Delta R.T.: 0.000 min
Response: 87183723
Conc: 20.62 ng/ml



#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 130524949
Conc: 18.86 ng/ml



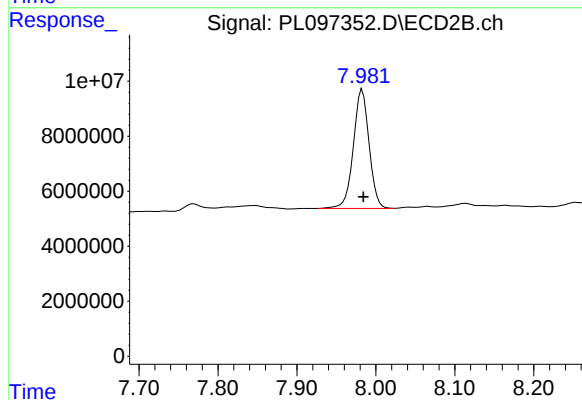
#28 Decachlorobiphenyl

R.T.: 9.000 min
Delta R.T.: -0.001 min
Response: 37797116
Conc: 11.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-3

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



#28 Decachlorobiphenyl

R.T.: 7.981 min
Delta R.T.: -0.003 min
Response: 60031377
Conc: 10.55 ng/ml m



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: **POWE02**

Lab Code: ACE

SDG NO.: Q3155

Instrument ID: ECD_L

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

Calibration Times: **17:06** **18:00**

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

LAB FILE ID:	RT 100 =	<u>PL097271.D</u>	RT 075 =	<u>PL097272.D</u>
	RT 050 =	PL097273.D	RT 025 =	PL097274.D
			RT 005 =	PL097275.D

[illegible]

Calibration Times: **17:06** **18:00**

LAB FILE ID:	RT 100 =	<u>PL097271.D</u>	RT 075 =	<u>PL097272.D</u>
	RT 050 =	PL097273.D	RT 025 =	PL097274.D
			RT 005 =	PL097275.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Instrument ID: ECD_L

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

Calibration Times: 17:06 18:00

GC Column: ZB-MR1

ID: 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PL097271.D</u>	CF 075 = <u>PL097272.D</u>				
CF 050 = <u>PL097273.D</u>		CF 025 = <u>PL097274.D</u>	CF 005 = <u>PL097275.D</u>				
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3890970000	3788420000	3762720000	3580660000	3829940000	3770540000	3
4,4'-DDE	4963980000	4819990000	4737070000	4512820000	4789690000	4764710000	3
4,4'-DDT	4402840000	4274830000	4245340000	4064150000	4148830000	4227200000	3
Aldrin	6552430000	6368880000	6295000000	6072640000	6380380000	6333870000	3
Decachlorobiphenyl	3151670000	3121880000	3187620000	3242730000	3657150000	3272210000	7
Dieldrin	5667980000	5504780000	5450620000	5257570000	5529790000	5482150000	3
Tetrachloro-m-xylene	4554070000	4459430000	4465020000	4402740000	4754560000	4527160000	3



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Instrument ID: ECD_L

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

Calibration Times: 17:06 18:00

GC Column: ZB-MR2

ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PL097271.D</u>	CF 075 =	<u>PL097272.D</u>		
CF 050 =		<u>PL097273.D</u>	CF 025 =	<u>PL097274.D</u>	CF 005 =	<u>PL097275.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	6589410000	6442790000	6358010000	6264340000	6590870000	6449080000	2
4,4'-DDE	7911410000	7746610000	7699440000	7406140000	7660040000	7684730000	2
4,4'-DDT	7190090000	7022180000	6972860000	6696570000	6720750000	6920490000	3
Aldrin	8860980000	8673260000	8661660000	8404070000	8796570000	8679310000	2
Decachlorobiphenyl	5360550000	5307930000	5459740000	5623180000	6706450000	5691570000	10
Dieldrin	8251310000	8119720000	8132170000	7909230000	8471500000	8176790000	3
Tetrachloro-m-xylene	6546800000	6457210000	6449880000	6384190000	7039690000	6575560000	4



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

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_L\Data\PL092025\
 Data File : PL097271.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 17:06
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 04:44:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:43:39 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.823	455.4E6	654.7E6	101.994	101.503
2)	SA Decachlor...	9.001	7.984	315.2E6	536.1E6	98.872	98.183
Target Compounds							
2)	A alpha-BHC	3.974	3.329	743.3E6	1044.5E6	105.888	104.303
3)	MA gamma-BHC...	4.302	3.660	694.0E6	963.3E6	105.254	103.575
4)	MA Heptachlor	4.893	4.008	680.9E6	929.9E6	103.043	100.901
5)	MB Aldrin	5.232	4.290	655.2E6	886.1E6	104.089	102.301
6)	B beta-BHC	4.489	3.956	269.2E6	397.0E6	100.455	100.557
7)	B delta-BHC	4.735	4.189	640.9E6	958.6E6	104.552	103.832
8)	B Heptachlo...	5.652	4.793	576.4E6	782.6E6	100.128	99.922
9)	A Endosulfan I	6.033	5.163	524.9E6	738.7E6	102.490	99.419
10)	B gamma-Chl...	5.905	5.044	579.3E6	855.4E6	103.252	99.860
11)	B alpha-Chl...	5.986	5.108	572.8E6	827.5E6	102.408	100.361
12)	B 4,4'-DDE	6.156	5.297	496.4E6	791.1E6	104.790	102.753
13)	MA Dieldrin	6.306	5.428	566.8E6	825.1E6	103.988	101.465
14)	MA Endrin	6.532	5.702	477.8E6	745.0E6	103.448	101.517
15)	B Endosulfa...	6.745	5.994	469.5E6	697.8E6	98.323	100.299
16)	A 4,4'-DDD	6.665	5.850	389.1E6	658.9E6	103.408	103.640
17)	MA 4,4'-DDT	6.979	6.102	440.3E6	719.0E6	103.710	103.115
18)	B Endrin al...	6.874	6.172	303.6E6	476.2E6	99.226	96.896
19)	B Endosulfa...	7.108	6.396	408.4E6	666.5E6	101.600	99.231
20)	A Methoxychlor	7.452	6.674	205.3E6	358.1E6	99.532	96.808
21)	B Endrin ke...	7.587	6.900	429.6E6	722.3E6	101.695	97.725
22)	Mirex	8.065	7.089	330.8E6	552.6E6	97.189	96.302

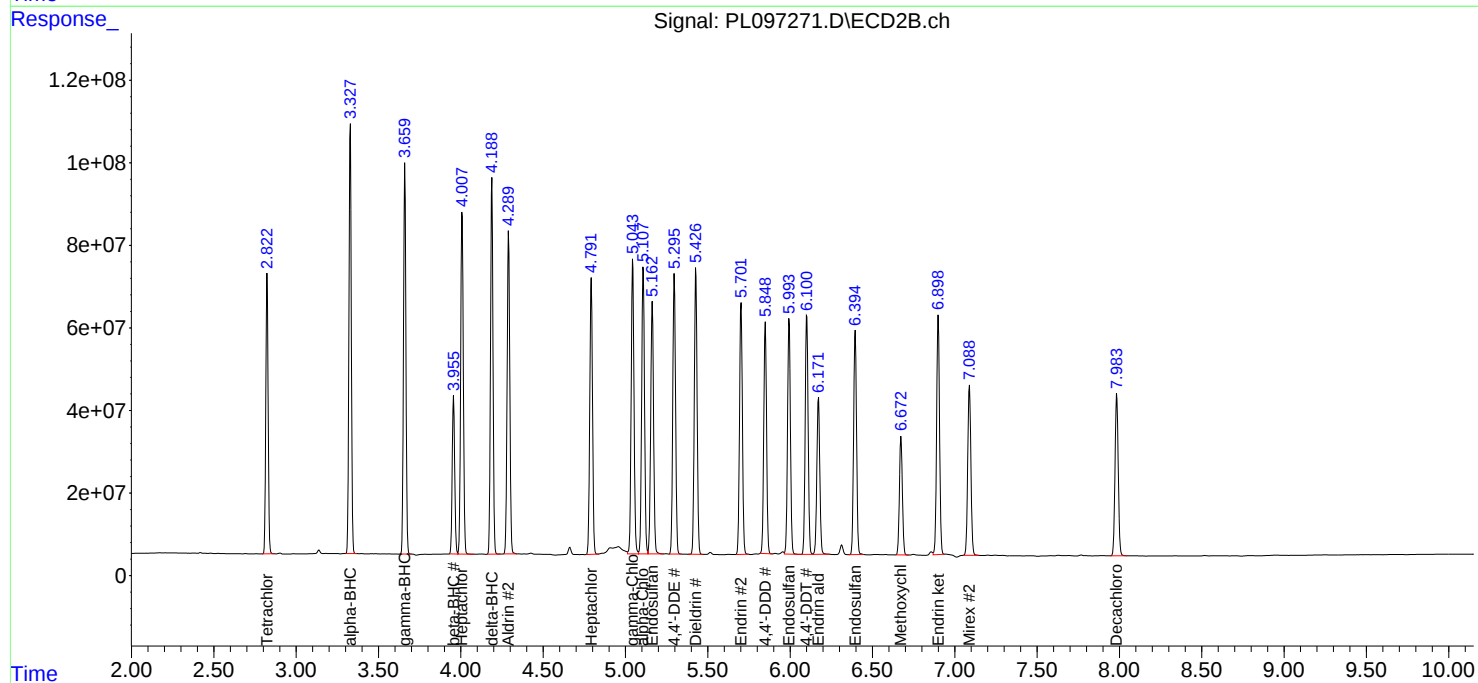
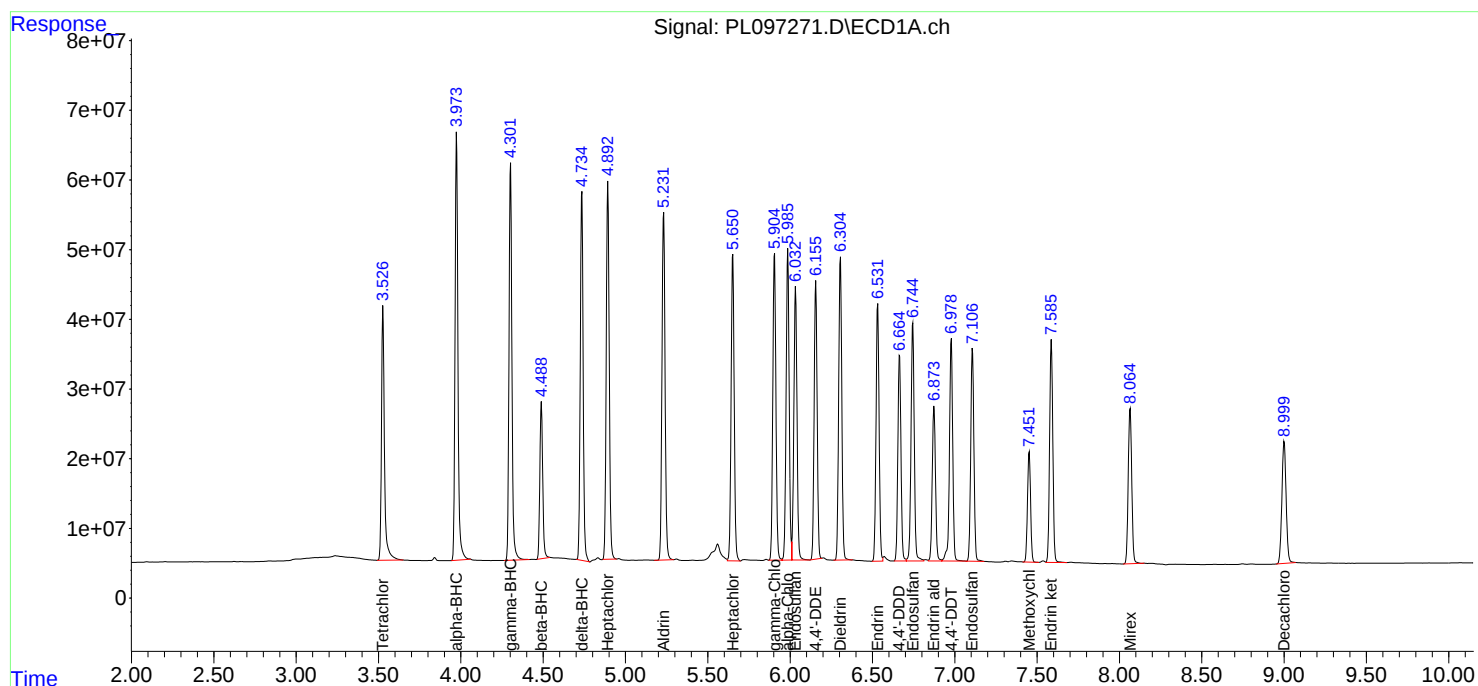
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 17:06
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:44:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 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 x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097272.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 17:19
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC075

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 04:44:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:43:39 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.528	2.824	334.5E6	484.3E6	74.906	75.085
2)	SA Decachlor...	9.002	7.985	234.1E6	398.1E6	73.453	72.915
Target Compounds							
2)	A alpha-BHC	3.975	3.329	536.3E6	757.5E6	76.392	75.640
3)	MA gamma-BHC...	4.302	3.661	502.5E6	703.0E6	76.204	75.591
4)	MA Heptachlor	4.893	4.009	496.6E6	687.2E6	75.148	74.565
5)	MB Aldrin	5.232	4.291	477.7E6	650.5E6	75.880	75.100
6)	B beta-BHC	4.490	3.957	198.1E6	292.5E6	73.934	74.080
7)	B delta-BHC	4.735	4.190	463.0E6	697.0E6	75.527	75.496
8)	B Heptachlo...	5.652	4.793	424.1E6	581.2E6	73.678	74.211
9)	A Endosulfan I	6.034	5.163	383.9E6	550.9E6	74.971	74.138
10)	B gamma-Chl...	5.906	5.045	423.9E6	636.8E6	75.554	74.339
11)	B alpha-Chl...	5.986	5.109	419.8E6	614.2E6	75.053	74.493
12)	B 4,4'-DDE	6.156	5.297	361.5E6	581.0E6	76.313	75.459
13)	MA Dieldrin	6.306	5.428	412.9E6	609.0E6	75.745	74.885
14)	MA Endrin	6.533	5.703	348.1E6	550.2E6	75.368	74.968
15)	B Endosulfa...	6.745	5.995	347.8E6	518.4E6	72.847	74.509
16)	A 4,4'-DDD	6.665	5.850	284.1E6	483.2E6	75.512	76.000
17)	MA 4,4'-DDT	6.980	6.102	320.6E6	526.7E6	75.521	75.530
18)	B Endrin al...	6.875	6.173	224.8E6	356.8E6	73.496	72.597
19)	B Endosulfa...	7.108	6.396	299.3E6	496.8E6	74.448	73.965
20)	A Methoxychlor	7.453	6.674	152.1E6	268.7E6	73.718	72.634
21)	B Endrin ke...	7.588	6.900	314.3E6	536.5E6	74.403	72.588
22)	Mirex	8.066	7.090	246.6E6	415.4E6	72.461	72.394

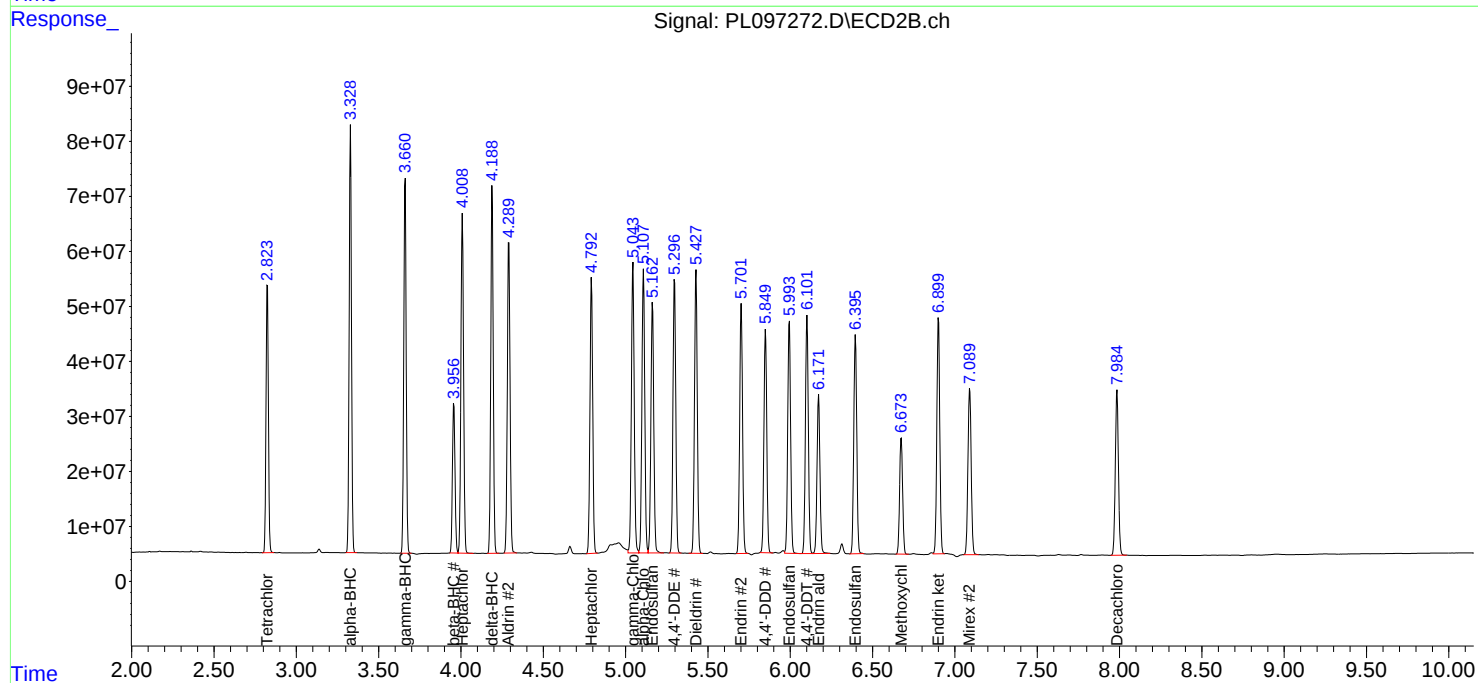
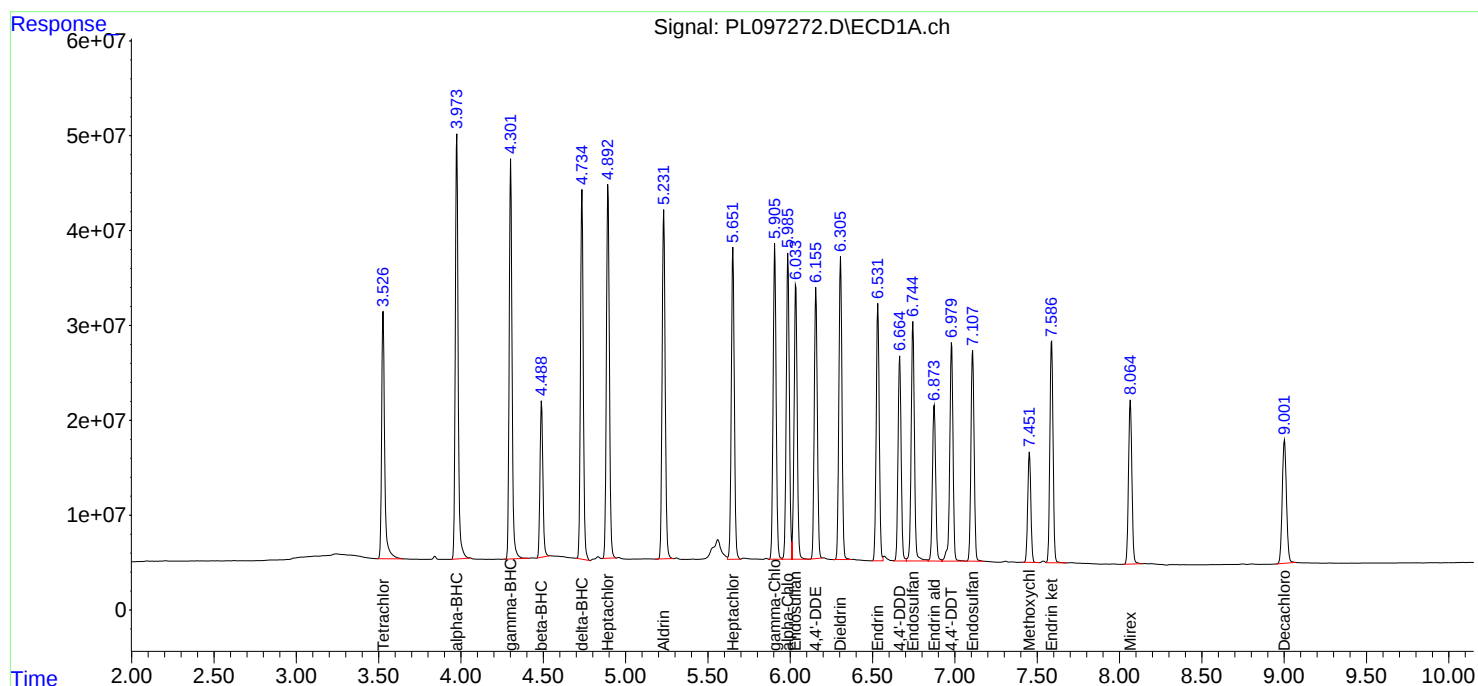
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 17:19
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:44:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 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 x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097273.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 17:33
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 04:44:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:43:39 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.528	2.824	223.3E6	322.5E6	50.000	50.000
28)	SA Decachlor...	9.002	7.984	159.4E6	273.0E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.975	3.329	351.0E6	500.7E6	50.000	50.000
3)	MA gamma-BHC...	4.302	3.661	329.7E6	465.0E6	50.000	50.000
4)	MA Heptachlor	4.893	4.009	330.4E6	460.8E6	50.000	50.000
5)	MB Aldrin	5.232	4.291	314.7E6	433.1E6	50.000	50.000
6)	B beta-BHC	4.490	3.957	134.0E6	197.4E6	50.000	50.000
7)	B delta-BHC	4.735	4.190	306.5E6	461.6E6	50.000	50.000
8)	B Heptachlo...	5.652	4.793	287.8E6	391.6E6	50.000	50.000
9)	A Endosulfan I	6.034	5.164	256.1E6	371.5E6	50.000	50.000
10)	B gamma-Chl...	5.906	5.045	280.5E6	428.3E6	50.000	50.000
11)	B alpha-Chl...	5.986	5.109	279.7E6	412.3E6	50.000	50.000
12)	B 4,4'-DDE	6.156	5.297	236.9E6	385.0E6	50.000	50.000
13)	MA Dieldrin	6.306	5.428	272.5E6	406.6E6	50.000	50.000
14)	MA Endrin	6.532	5.703	230.9E6	366.9E6	50.000	50.000
15)	B Endosulfa...	6.746	5.995	238.7E6	347.8E6	50.000	50.000
16)	A 4,4'-DDD	6.666	5.850	188.1E6	317.9E6	50.000	50.000
17)	MA 4,4'-DDT	6.980	6.102	212.3E6	348.6E6	50.000	50.000
18)	B Endrin al...	6.874	6.173	153.0E6	245.7E6	50.000	50.000
19)	B Endosulfa...	7.107	6.396	201.0E6	335.8E6	50.000	50.000
20)	A Methoxychlor	7.452	6.674	103.1E6	184.9E6	50.000	50.000
21)	B Endrin ke...	7.587	6.900	211.2E6	369.6E6	50.000	50.000
22)	Mirex	8.065	7.090	170.2E6	286.9E6	50.000	50.000

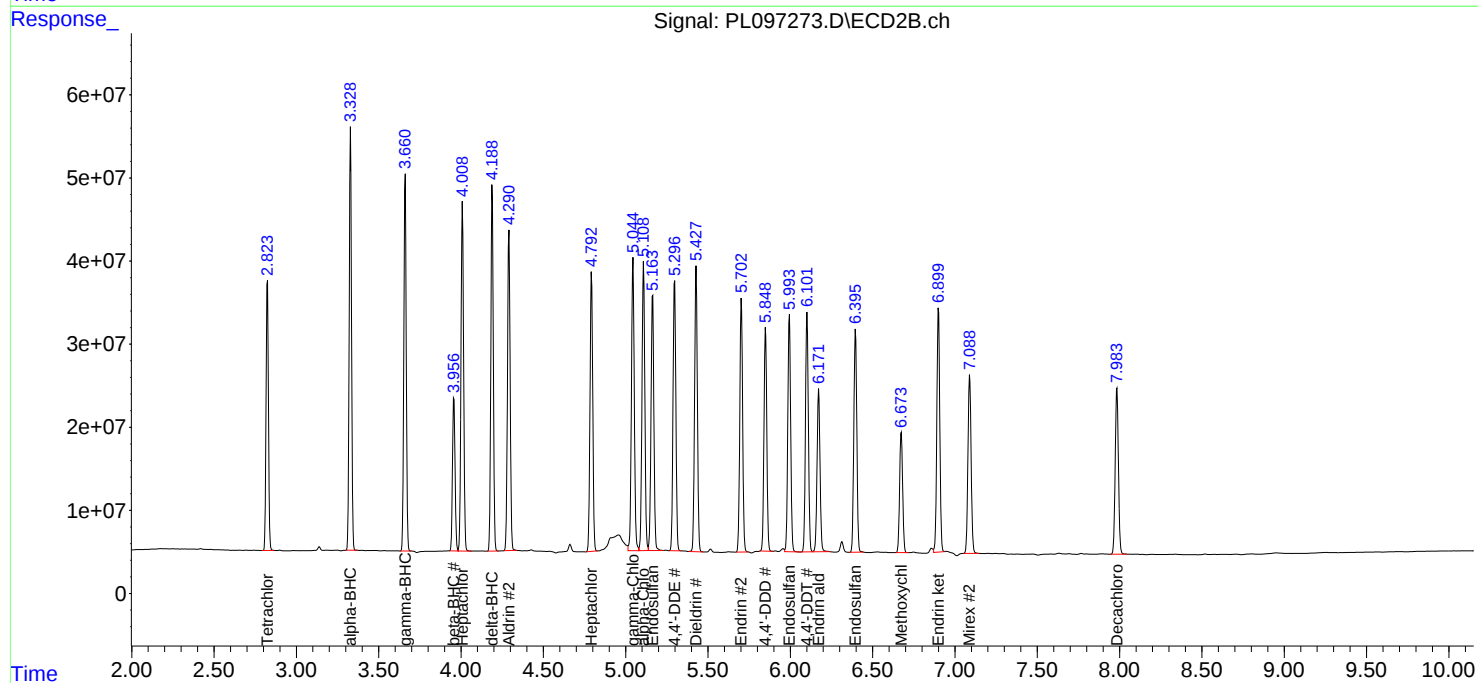
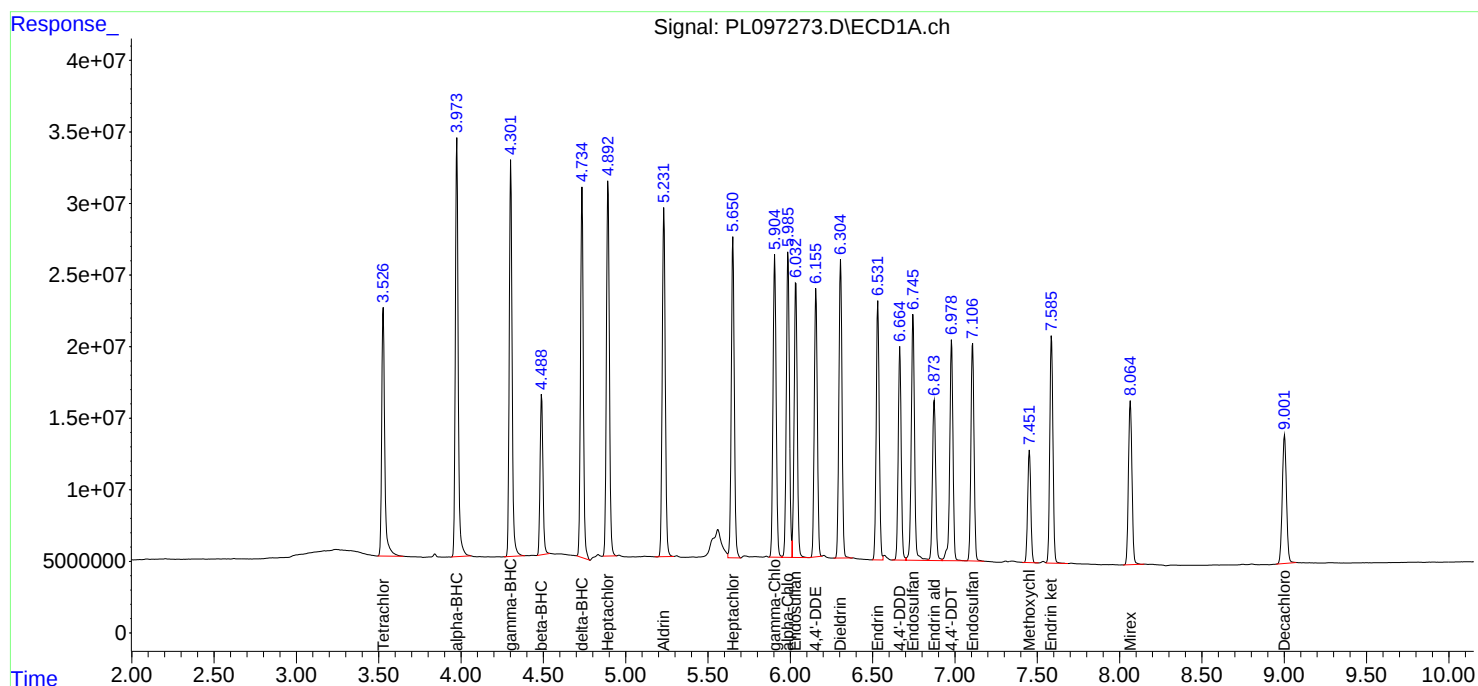
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097273.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 17:33
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:44:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 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 x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097274.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 17:47
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 04:45:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:43:39 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	110.1E6	159.6E6	24.651	24.745
28)	SA Decachlor...	9.001	7.984	81068137	140.6E6	25.432	25.748
Target Compounds							
2)	A alpha-BHC	3.974	3.329	165.9E6	238.9E6	23.631	23.856
3)	MA gamma-BHC...	4.302	3.661	158.0E6	224.8E6	23.963	24.169
4)	MA Heptachlor	4.893	4.009	160.7E6	227.0E6	24.315	24.626
5)	MB Aldrin	5.232	4.291	151.8E6	210.1E6	24.117	24.257
6)	B beta-BHC	4.489	3.957	66839868	99596935	24.946	25.226
7)	B delta-BHC	4.735	4.190	146.9E6	220.9E6	23.960	23.922
8)	B Heptachlo...	5.652	4.793	145.7E6	194.1E6	25.316	24.782
9)	A Endosulfan I	6.034	5.164	125.0E6	186.4E6	24.417	25.081
10)	B gamma-Chl...	5.906	5.045	136.6E6	215.6E6	24.338	25.170
11)	B alpha-Chl...	5.986	5.109	137.3E6	206.1E6	24.543	24.992
12)	B 4,4'-DDE	6.156	5.297	112.8E6	185.2E6	23.816	24.048
13)	MA Dieldrin	6.306	5.428	131.4E6	197.7E6	24.115	24.315
14)	MA Endrin	6.532	5.702	108.9E6	182.2E6	23.581	24.832
15)	B Endosulfa...	6.746	5.995	118.2E6	173.5E6	24.764	24.933
16)	A 4,4'-DDD	6.665	5.850	89516591	156.6E6	23.790	24.632
17)	MA 4,4'-DDT	6.979	6.102	101.6E6	167.4E6	23.933	24.009
18)	B Endrin al...	6.875	6.173	75911729	128.9E6	24.814	26.230
19)	B Endosulfa...	7.108	6.396	98950148	168.3E6	24.614	25.062
20)	A Methoxychlor	7.453	6.675	51380116	94210076	24.910	25.471
21)	B Endrin ke...	7.587	6.900	102.9E6	184.8E6	24.367	25.000
22)	Mirex	8.065	7.090	87774467	148.3E6	25.790	25.847

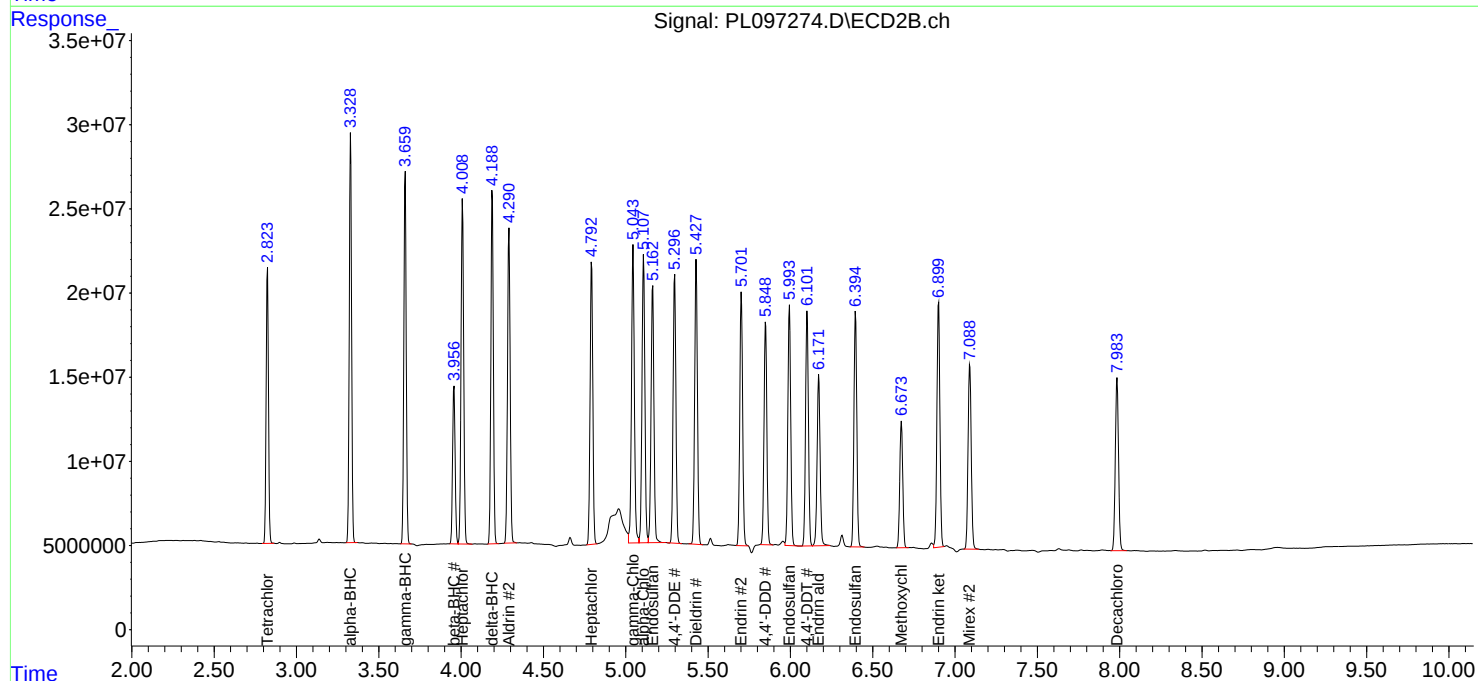
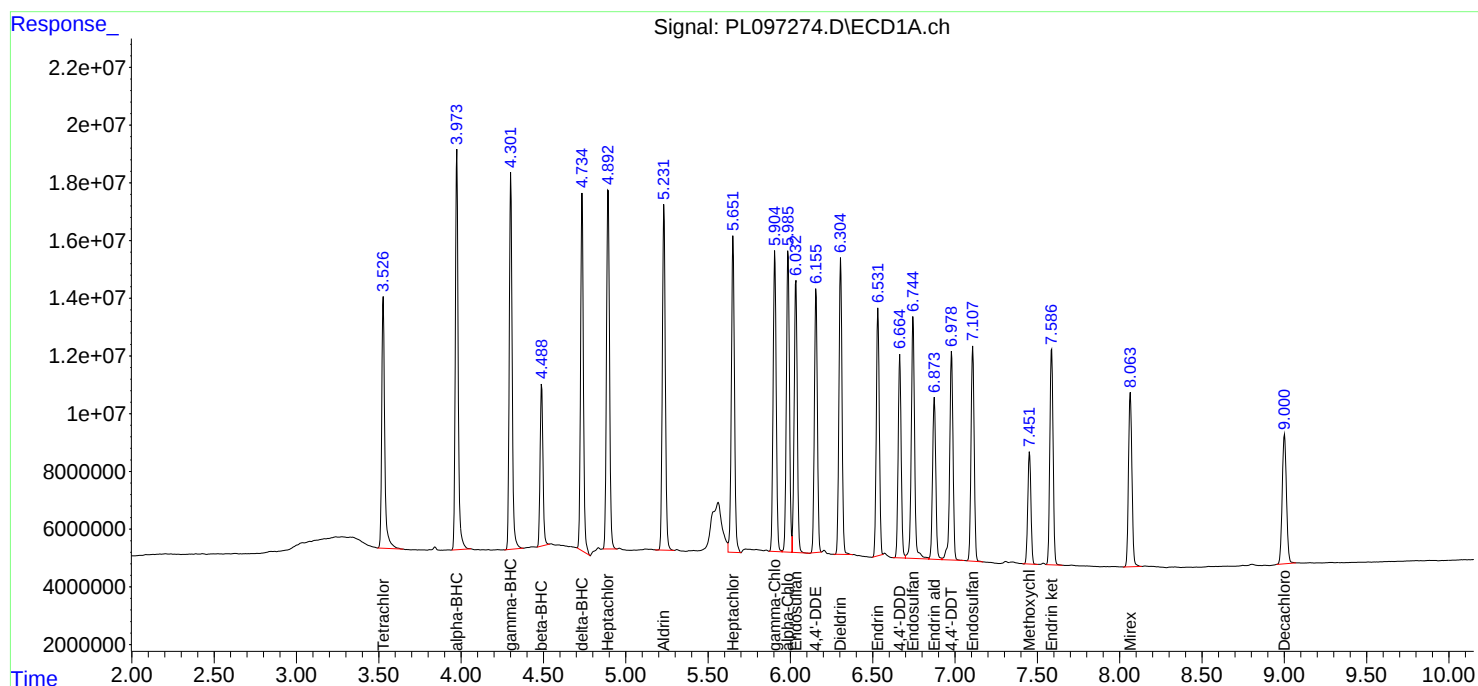
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 17:47
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:45:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 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 x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097275.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 18:00
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/19/2025
 Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 04:45:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:43:39 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 x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.527	2.824	23772791	35198466	5.324	5.457
2) SA Decachlor...	9.001	7.984	18285769	33532264	5.737	6.142
Target Compounds						
2) A alpha-BHC	3.974	3.328	33487008	48361581	4.770	4.829
3) MA gamma-BHC...	4.302	3.660	32554930	46374195	4.937	4.986
4) MA Heptachlor	4.893	4.008	34426346	48848941	5.210	5.300
5) MB Aldrin	5.232	4.290	31901901	43982840	5.068	5.078
6) B beta-BHC	4.490	3.957	14725134	22540181	5.496	5.709
7) B delta-BHC	4.733	4.189	28774806	45070449	4.694m	4.882
8) B Heptachlo...	5.650	4.793	28644801	42436094	4.976m	5.418
9) A Endosulfan I	6.033	5.163	27081618	44002825	5.288	5.922
10) B gamma-Chl...	5.905	5.043	28749631	47175597	5.124	5.507m
11) B alpha-Chl...	5.986	5.107	29943592	42753742	5.353	5.185m
12) B 4,4'-DDE	6.156	5.297	23948455	38300213	5.056	4.974
13) MA Dieldrin	6.305	5.428	27648945	42357479	5.073	5.209
14) MA Endrin	6.532	5.702	23363118	40689632	5.059	5.544
15) B Endosulfa...	6.744	5.994	28776249	38809493	6.027m	5.579
16) A 4,4'-DDD	6.665	5.850	19149707	32954369	5.089	5.183
17) MA 4,4'-DDT	6.979	6.102	20744145	33603734	4.886	4.819
18) B Endrin al...	6.874	6.171	16425107	35487549	5.369	7.221m#
19) B Endosulfa...	7.108	6.396	21803103	37554894	5.424	5.592
20) A Methoxychlor	7.452	6.674	11143676	21088586	5.403	5.702
21) B Endrin ke...	7.587	6.899	21956995	42459706	5.197	5.745m
22) Mirex	8.065	7.090	21205020	35794871	6.230	6.238

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 18:00
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

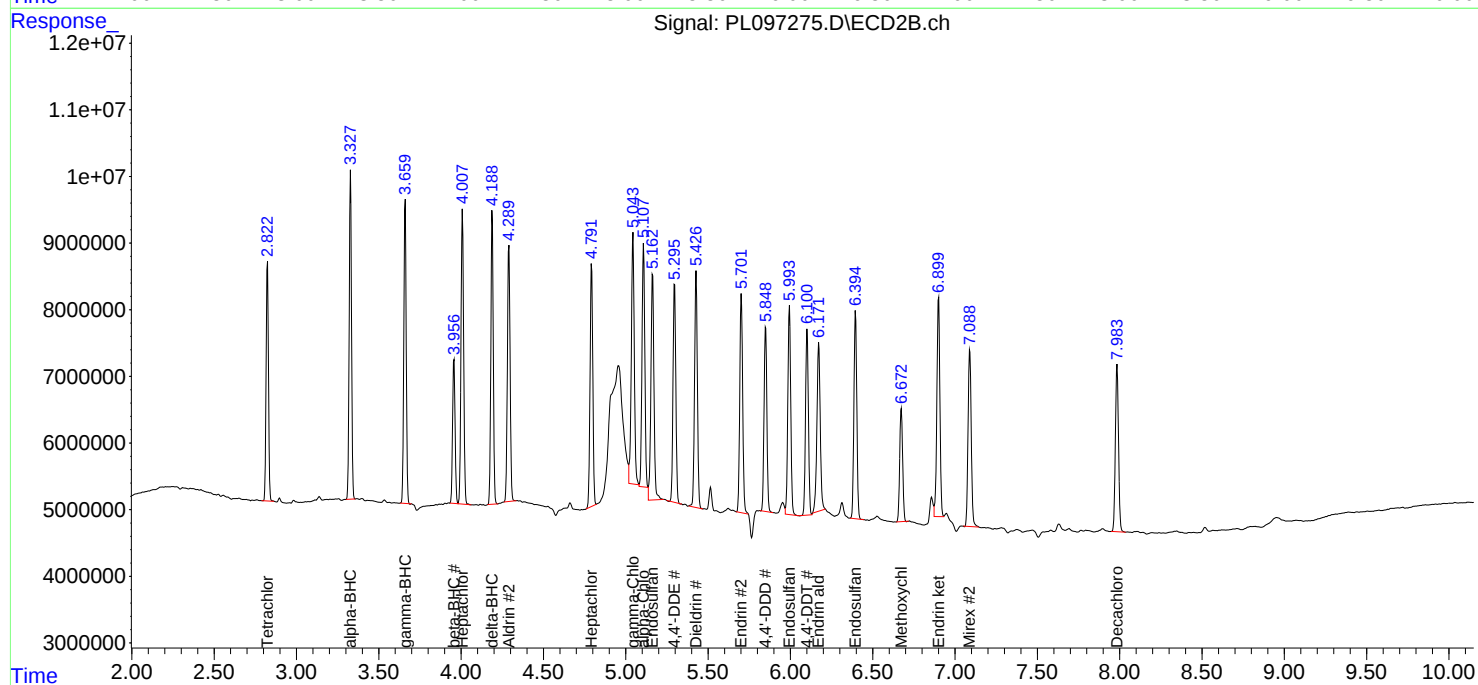
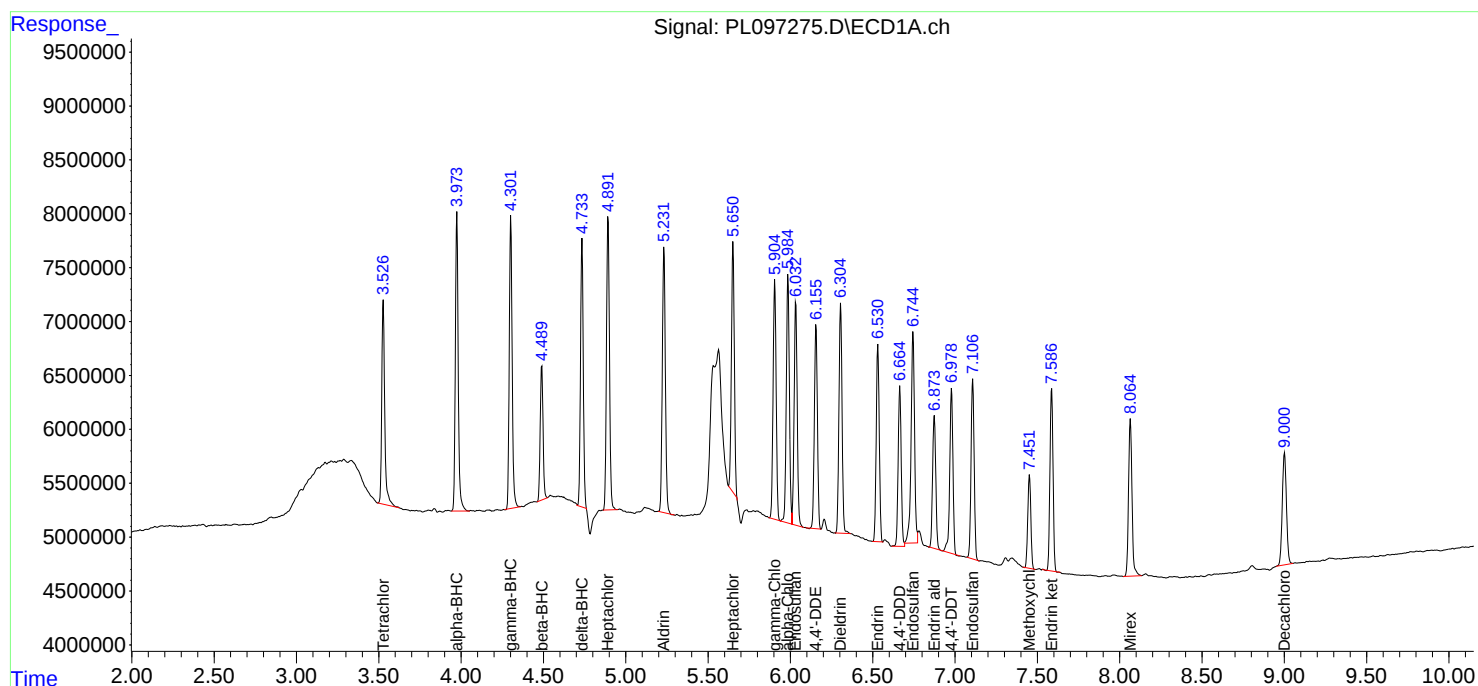
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 04:45:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:43:39 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 x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097278.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 18:41
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:25:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:24:11 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.528	2.823	181.2E6	350.3E6	50.000	50.000
28)	SA Decachlor...	9.002	7.984	130.8E6	233.3E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.680	3.832	103.4E6	126.1E6	500.000	500.000
24)	Chlordane-2	5.204	4.412	108.0E6	142.2E6	500.000	500.000
25)	Chlordane-3	5.907	5.044	406.9E6	438.8E6	500.000	500.000
26)	Chlordane-4	5.991	5.108	496.0E6	383.2E6	500.000	500.000
27)	Chlordane-5	6.828	6.002	81439283	146.3E6	500.000	500.000

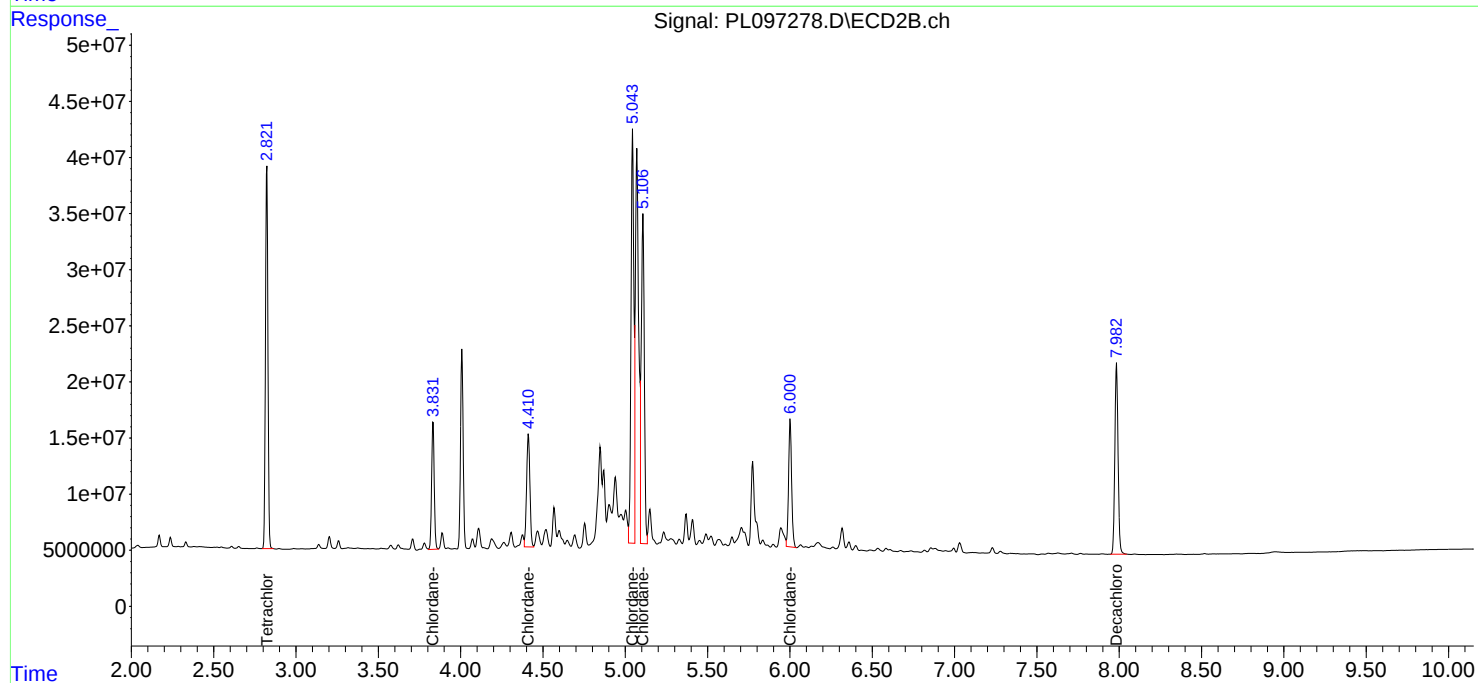
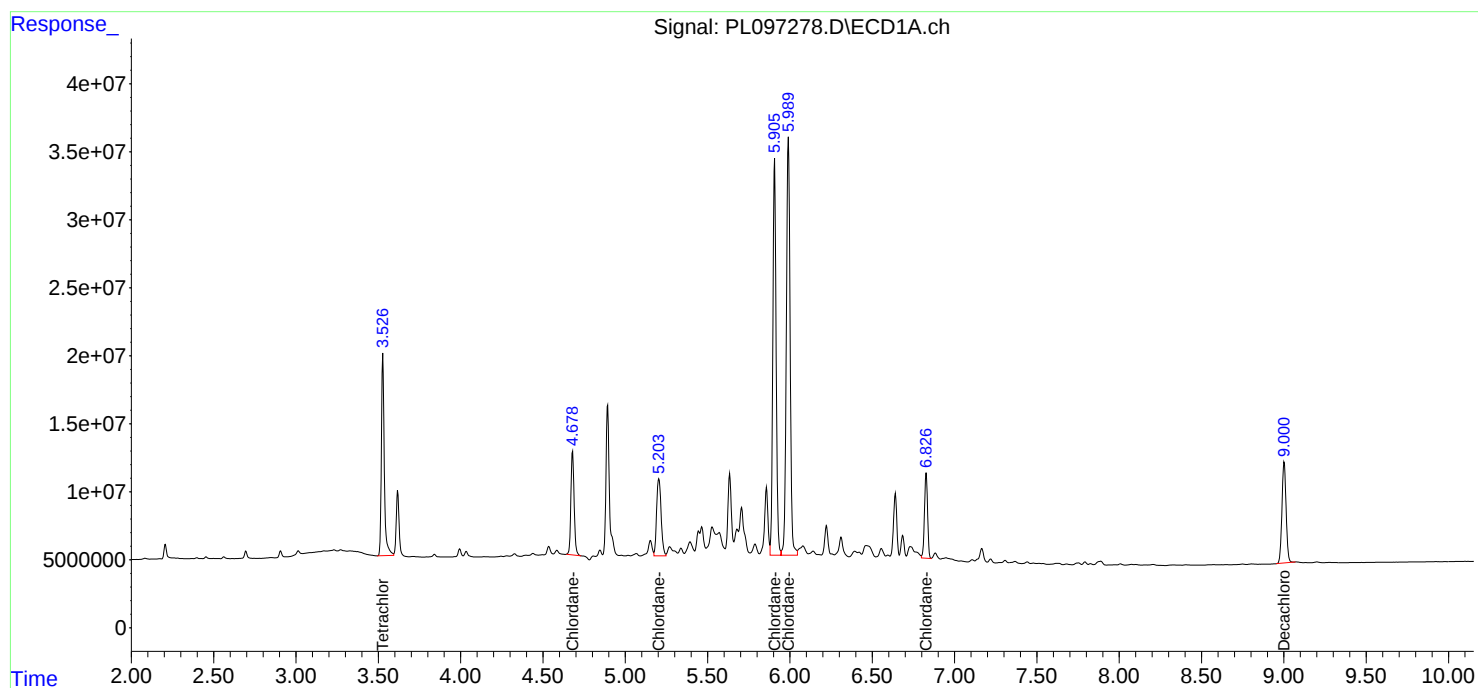
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 18:41
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:25:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:24:11 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 x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097283.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 19:49
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 06:18:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 06:17:16 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
 Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.527	2.824	212.8E6	316.1E6	50.000	50.000
7) SA Decachlor...	9.001	7.985	151.2E6	274.7E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.202	5.066	21037740	21241348	500.000	500.000
3) Toxaphene-2	6.601	5.752	16923557	27459266	500.000	500.000
4) Toxaphene-3	7.014	6.033	70949766	28977953	500.000	500.000
5) Toxaphene-4	7.105	6.667	52895758	88991768	500.000	500.000
6) Toxaphene-5	7.883	7.107	37083116	54569782	500.000	500.000

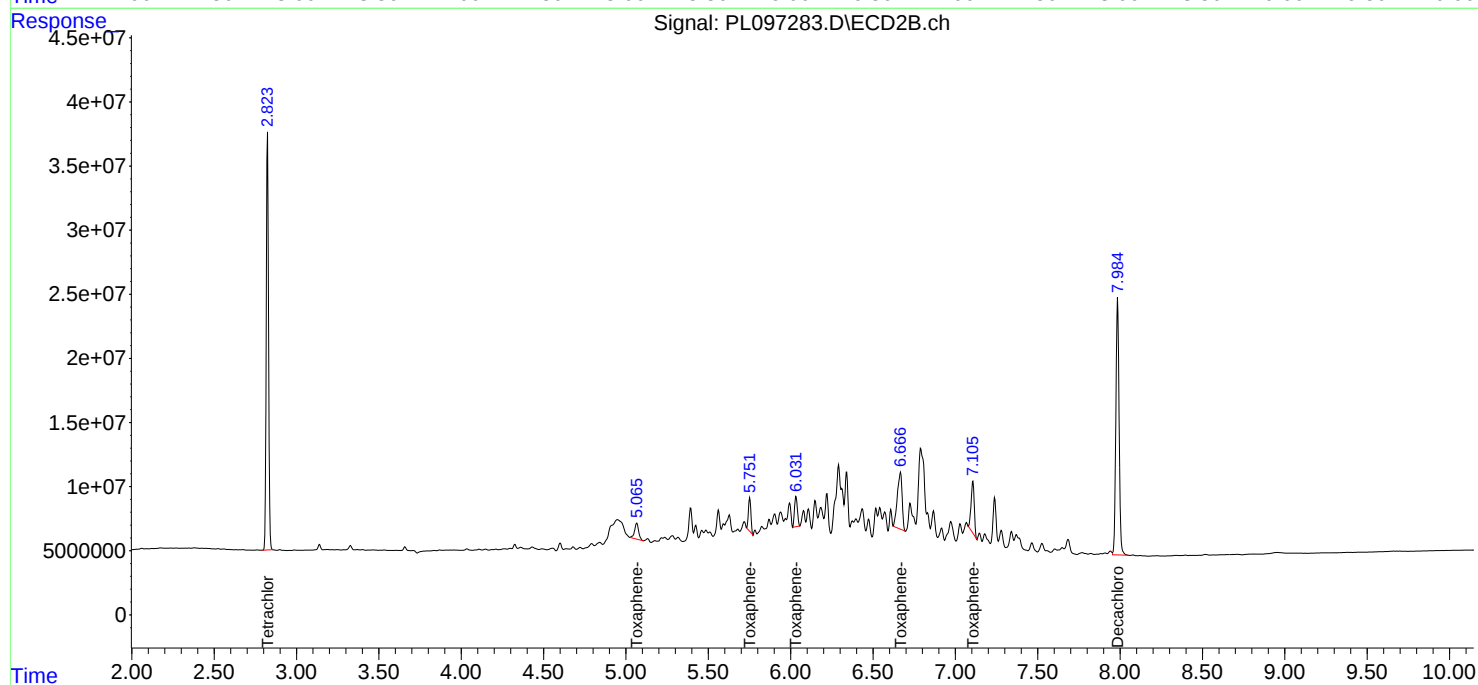
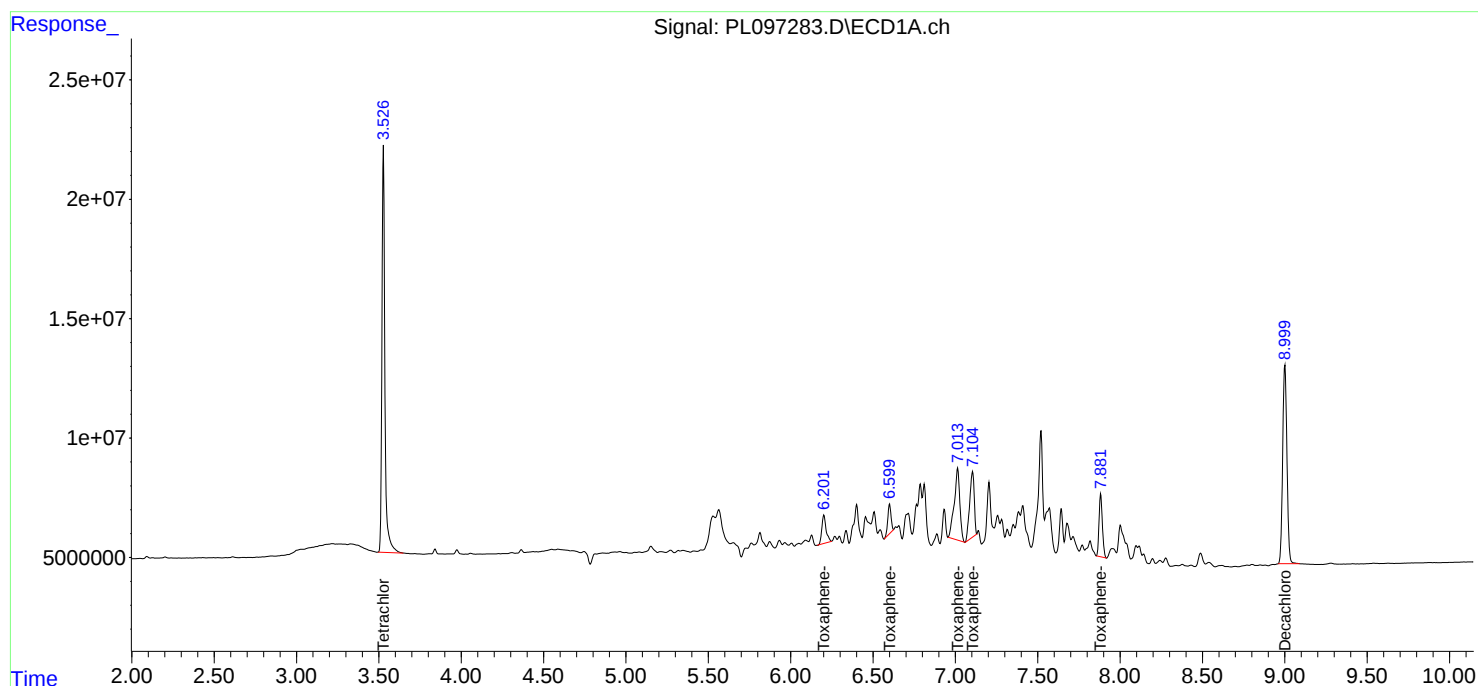
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 19:49
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 06:18:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 06:17:16 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097286.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2025 08:39
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL092025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/22/2025
 Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 09:03:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.820	233.1E6	328.4E6	51.482	49.938
28)	SA Decachlor...	9.006	7.985	165.2E6	255.3E6	50.482	44.851
Target Compounds							
2)	A alpha-BHC	3.974	3.325	368.4E6	500.7E6	52.723	50.281
3)	MA gamma-BHC...	4.302	3.657	344.6E6	461.1E6	52.110	49.498
4)	MA Heptachlor	4.893	4.005	349.0E6	445.3E6	52.326	47.851
5)	MB Aldrin	5.233	4.288	325.9E6	418.1E6	51.460	48.168
6)	B beta-BHC	4.490	3.954	136.9E6	187.9E6	50.230	46.246
7)	B delta-BHC	4.734	4.186	321.2E6	449.4E6	52.930m	48.893
8)	B Heptachlo...	5.651	4.789	306.1E6	376.2E6	53.263m	47.430m
9)	A Endosulfan I	6.034	5.161	264.5E6	345.6E6	51.051m	44.982
10)	B gamma-Chl...	5.905	5.042	288.6E6	406.9E6	51.050m	46.594
11)	B alpha-Chl...	5.986	5.107	285.1E6	401.4E6	50.192m	48.364
12)	B 4,4'-DDE	6.156	5.294	248.9E6	367.5E6	52.230m	47.821m
13)	MA Dieldrin	6.307	5.424	282.4E6	392.3E6	51.517	47.972m
14)	MA Endrin	6.532	5.701	241.9E6	351.7E6	52.445m	46.833
15)	B Endosulfa...	6.745	5.993	240.2E6	329.4E6	48.828m	46.333
16)	A 4,4'-DDD	6.666	5.848	191.1E6	297.9E6	50.687m	46.193
17)	MA 4,4'-DDT	6.982	6.101	229.3E6	328.0E6	54.236	47.389
18)	B Endrin al...	6.876	6.171	175.3E6	229.7E6	56.862	43.033
19)	B Endosulfa...	7.110	6.395	209.3E6	310.2E6	51.264	45.293
20)	A Methoxychlor	7.455	6.673	103.8E6	168.0E6	49.793	44.559
21)	B Endrin ke...	7.590	6.898	220.0E6	395.4E6	51.828	52.514m
22)	Mirex	8.068	7.089	174.4E6	269.2E6	49.109	45.026

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2025 08:39
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL092025

Manual Integrations

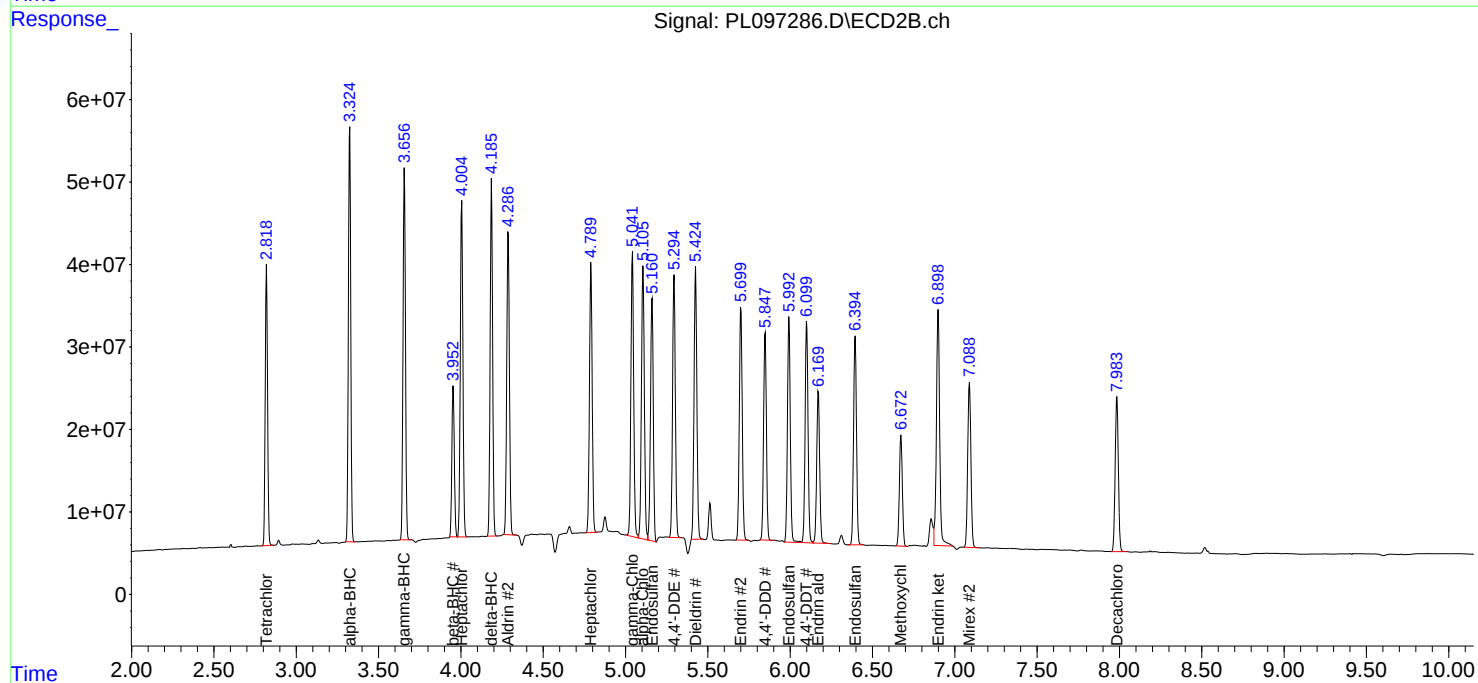
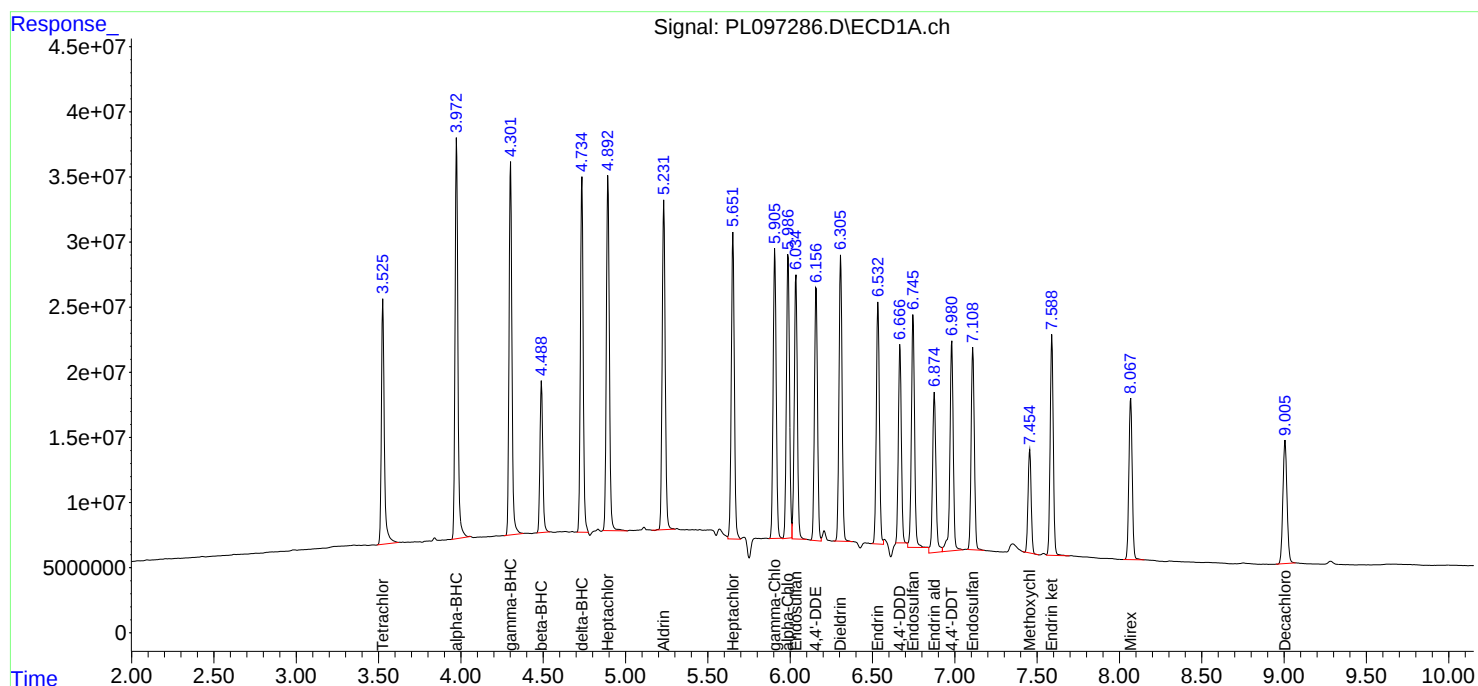
APPROVED

Reviewed By :Abdul Mirza 09/22/2025

Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:03:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097287.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2025 08:52
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL092025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/22/2025
 Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 09:12:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.822	199.7E6	365.8E6	44.121	55.633 #
28)	SA Decachlor...	9.001	7.983	139.6E6	237.0E6	42.668	41.636
Target Compounds							
23)	Chlordane-1	4.679	3.831	111.7E6	129.9E6	527.132	511.091
24)	Chlordane-2	5.201	4.410	111.1E6	150.3E6	500.634m	511.589
25)	Chlordane-3	5.905	5.043	424.6E6	455.7E6	520.618m	509.555
26)	Chlordane-4	5.989	5.106	515.0E6	380.7E6	514.915m	499.841m
27)	Chlordane-5	6.826	6.001	87854088	149.8E6	524.084m	502.416

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2025 08:52
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

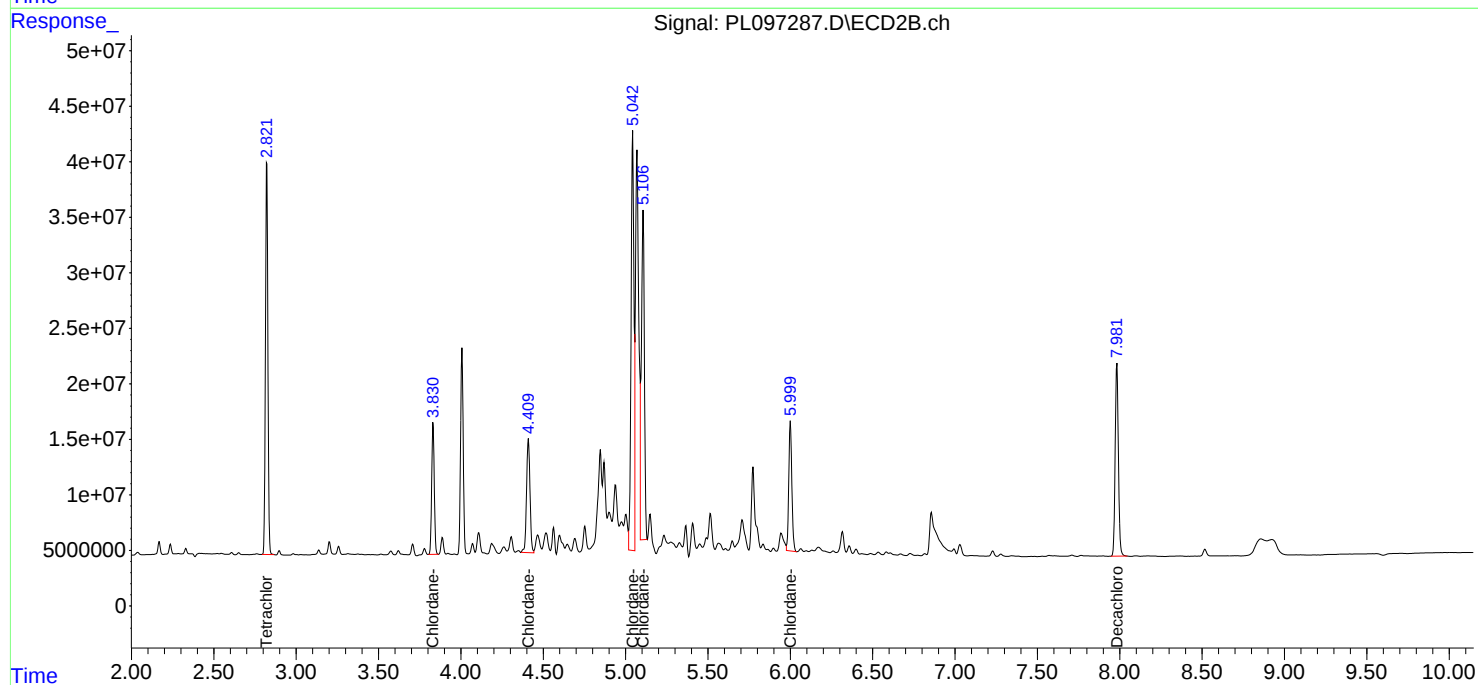
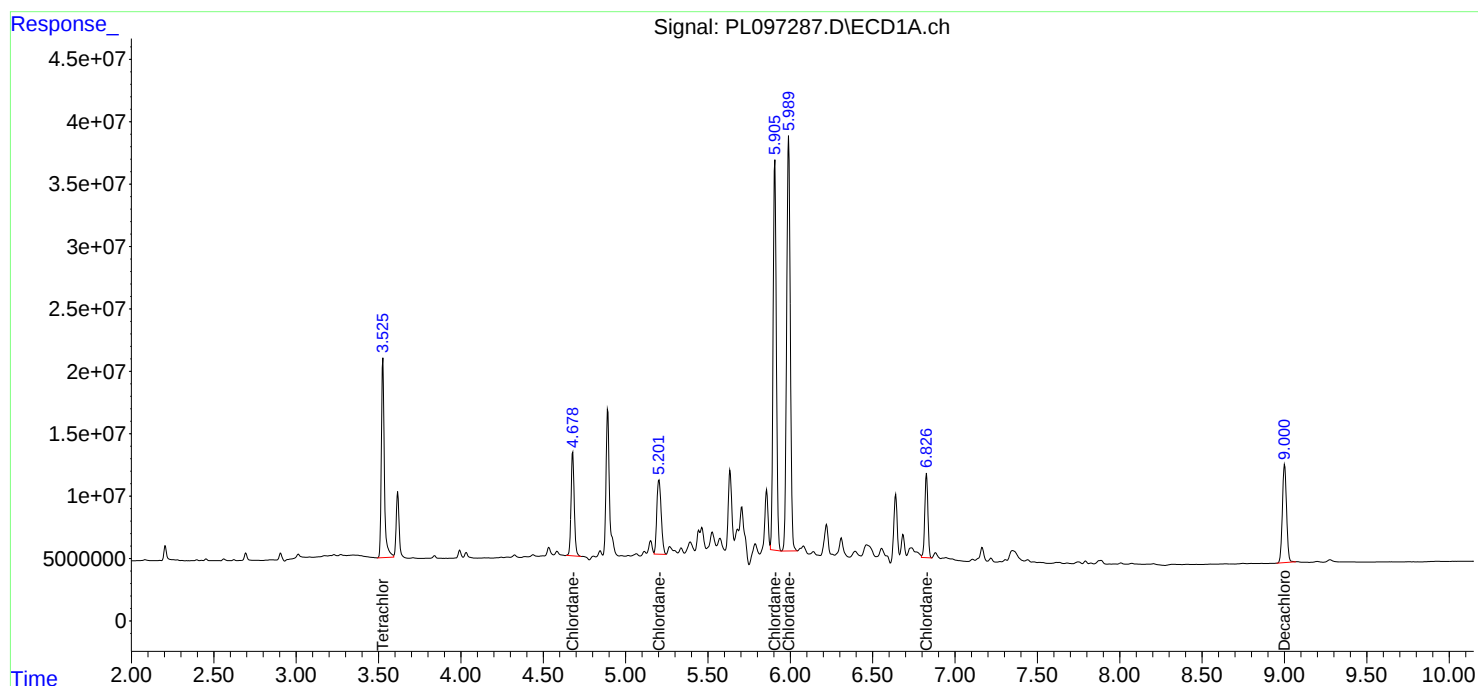
Instrument :
ECD_L
ClientSampleId :
ICVPL092025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:12:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097288.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Sep 2025 09:25
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL092025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/22/2025
 Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 09:41:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 06:34:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
 Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.527	2.822	206.8E6	305.4E6	49.043	49.125
7) SA Decachlor...	9.004	7.985	146.0E6	259.8E6	48.901	47.512
Target Compounds						
2) Toxaphene-1	6.203	5.064	20584370	20730281	478.691	527.108m
3) Toxaphene-2	6.602	5.752	15850196	25914739	475.278	475.930
4) Toxaphene-3	7.016	6.033	66126700	27574610	472.119	485.585
5) Toxaphene-4	7.106	6.667	50737974	89589604	488.063	520.666
6) Toxaphene-5	7.885	7.107	34706442	51873806	481.757	482.163

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Sep 2025 09:25
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

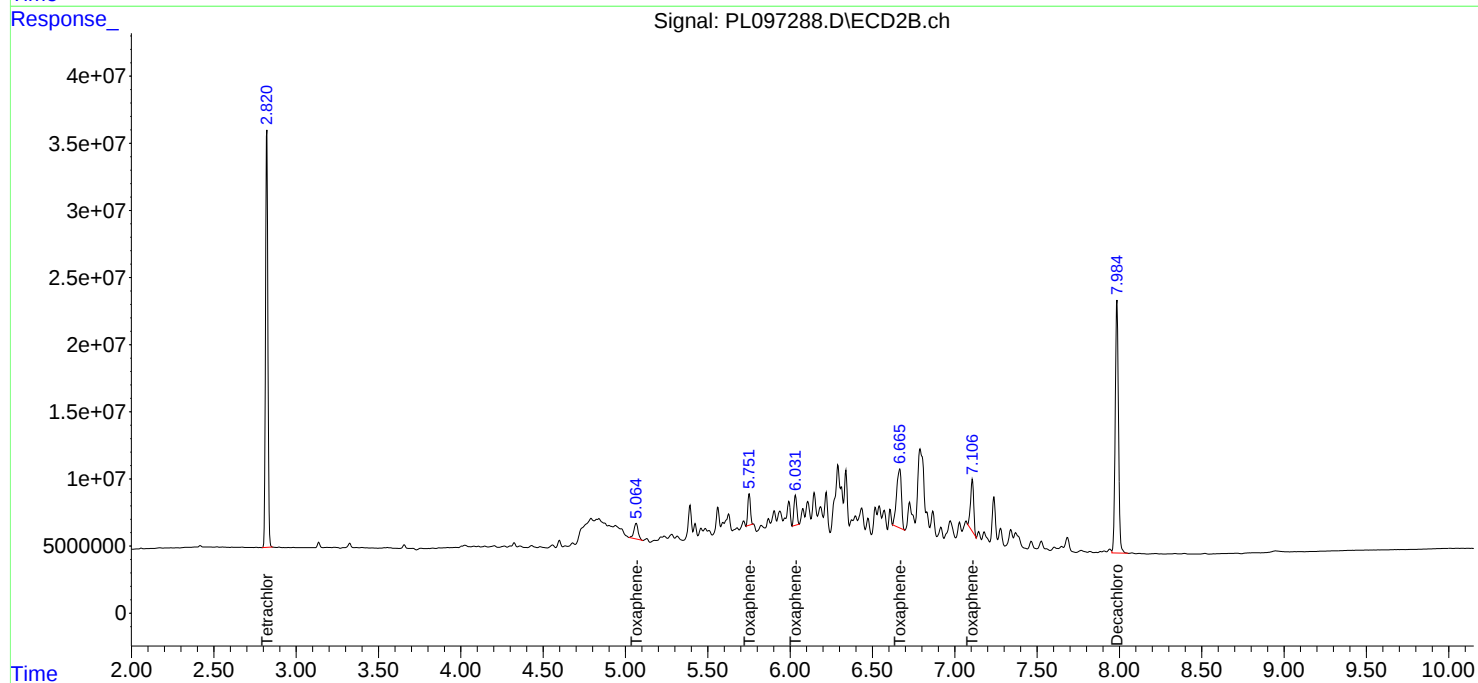
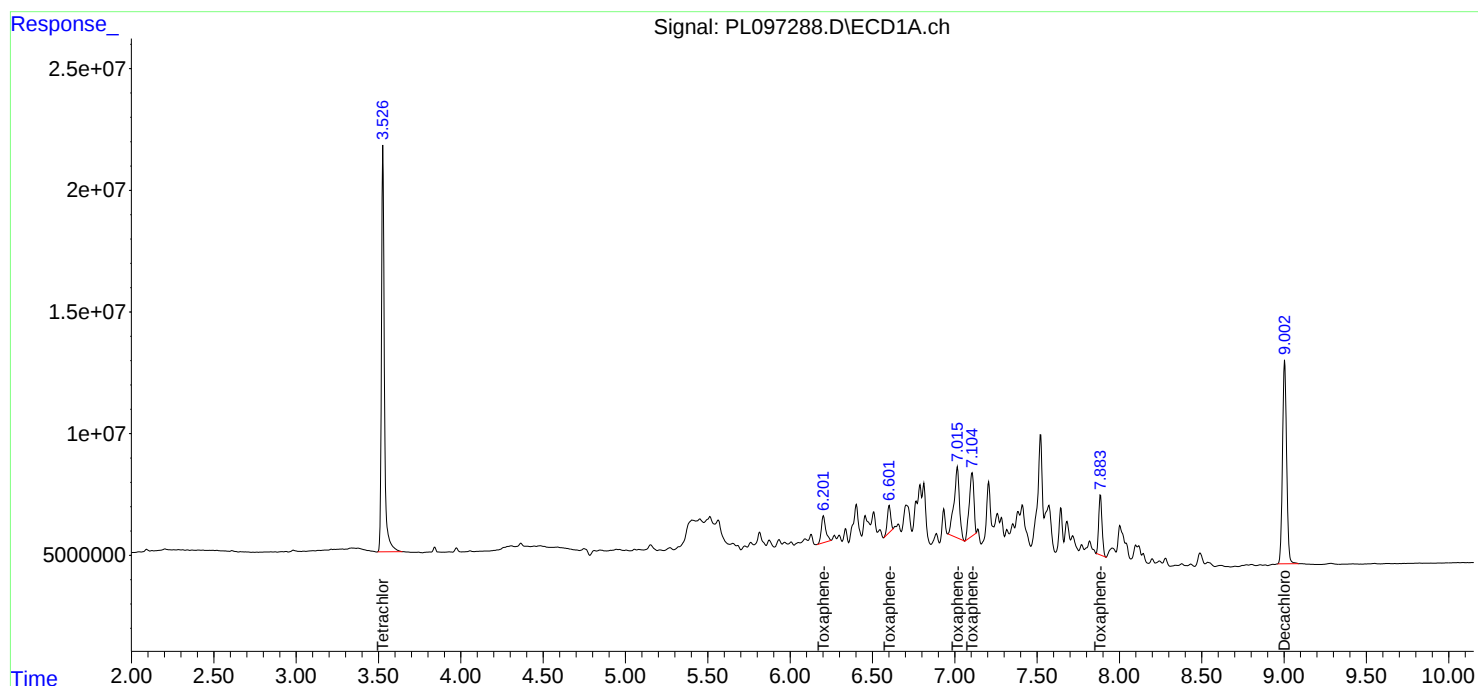
Instrument :
ECD_L
ClientSampleId :
ICVPL092025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/22/2025
Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 09:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 06:34:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Continuing Calib Date: 09/22/2025

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

Continuing Calib Time: 11:33

Initial Calibration Time(s): 17:06 18:00

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.53	3.53	3.43	3.63	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Dieldrin	6.31	6.31	6.21	6.41	0.01
4,4'-DDE	6.16	6.16	6.06	6.26	0.00
4,4'-DDD	6.66	6.67	6.57	6.77	0.01
4,4'-DDT	6.98	6.98	6.88	7.08	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** POWE02**Lab Code:** ACE**SDG NO.:** Q3155**Continuing Calib Date:** 09/22/2025**Initial Calibration Date(s):** 09/18/202509/18/2025**Continuing Calib Time:** 11:33**Initial Calibration Time(s):** 17:0618:00**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
Aldrin	4.29	4.29	4.19	4.39	0.00
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
4,4'-DDD	5.85	5.85	5.75	5.95	0.00
4,4'-DDT	6.10	6.10	6.00	6.20	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3155
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097317.D **Time Analyzed:** 11:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.664	6.566	6.766	51.270	50.000	2.5
4,4'-DDE	6.156	6.056	6.256	50.930	50.000	1.9
4,4'-DDT	6.978	6.880	7.080	47.230	50.000	-5.5
Aldrin	5.232	5.132	5.332	49.650	50.000	-0.7
Decachlorobiphenyl	8.997	8.902	9.102	49.650	50.000	-0.7
Dieldrin	6.305	6.206	6.406	49.240	50.000	-1.5
Tetrachloro-m-xylene	3.527	3.428	3.628	49.820	50.000	-0.4



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3155
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097317.D **Time Analyzed:** 11:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.848	5.750	5.950	49.680	50.000	-0.6
4,4'-DDE	5.296	5.197	5.397	49.380	50.000	-1.2
4,4'-DDT	6.101	6.002	6.202	47.130	50.000	-5.7
Aldrin	4.290	4.191	4.391	49.760	50.000	-0.5
Decachlorobiphenyl	7.982	7.884	8.084	44.610	50.000	-10.8
Dieldrin	5.427	5.328	5.528	49.310	50.000	-1.4
Tetrachloro-m-xylene	2.824	2.724	2.924	49.770	50.000	-0.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097317.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 11:33
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 09/23/2025

Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:46:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	225.6E6	327.3E6	49.823	49.773
28)	SA Decachlor...	8.997	7.982	162.5E6	253.9E6	49.649	44.609
Target Compounds							
2)	A alpha-BHC	3.974	3.329	355.1E6	503.5E6	50.814	50.563
3)	MA gamma-BHC...	4.301	3.660	332.9E6	467.7E6	50.343	50.215
4)	MA Heptachlor	4.892	4.008	328.3E6	452.6E6	49.215	48.643
5)	MB Aldrin	5.232	4.290	314.5E6	431.9E6	49.647	49.764
6)	B beta-BHC	4.489	3.956	138.3E6	199.0E6	50.731	48.987
7)	B delta-BHC	4.733	4.189	314.5E6	461.6E6	51.829m	50.220
8)	B Heptachlo...	5.651	4.792	285.1E6	390.6E6	49.606	49.243
9)	A Endosulfan I	6.033	5.162	255.1E6	368.7E6	49.232	47.984
10)	B gamma-Chl...	5.905	5.043	283.9E6	427.7E6	50.222	48.974
11)	B alpha-Chl...	5.985	5.107	280.3E6	411.2E6	49.351	49.542
12)	B 4,4'-DDE	6.156	5.296	242.7E6	379.5E6	50.927	49.380
13)	MA Dieldrin	6.305	5.427	269.9E6	403.2E6	49.239	49.310
14)	MA Endrin	6.531	5.701	216.9E6	347.6E6	47.012	46.280
15)	B Endosulfa...	6.744	5.993	231.3E6	344.3E6	47.025	48.424
16)	A 4,4'-DDD	6.664	5.848	193.3E6	320.4E6	51.270	49.676
17)	MA 4,4'-DDT	6.978	6.101	199.6E6	326.1E6	47.230	47.127
18)	B Endrin al...	6.872	6.171	152.7E6	247.5E6	49.536	46.377
19)	B Endosulfa...	7.106	6.395	197.9E6	323.6E6	48.482	47.242
20)	A Methoxychlor	7.451	6.673	96243067	164.1E6	46.151	43.524
21)	B Endrin ke...	7.585	6.898	210.5E6	351.2E6	49.590	46.638
22)	Mirex	8.064	7.088	163.2E6	268.9E6	45.969	44.970

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097317.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 11:33
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

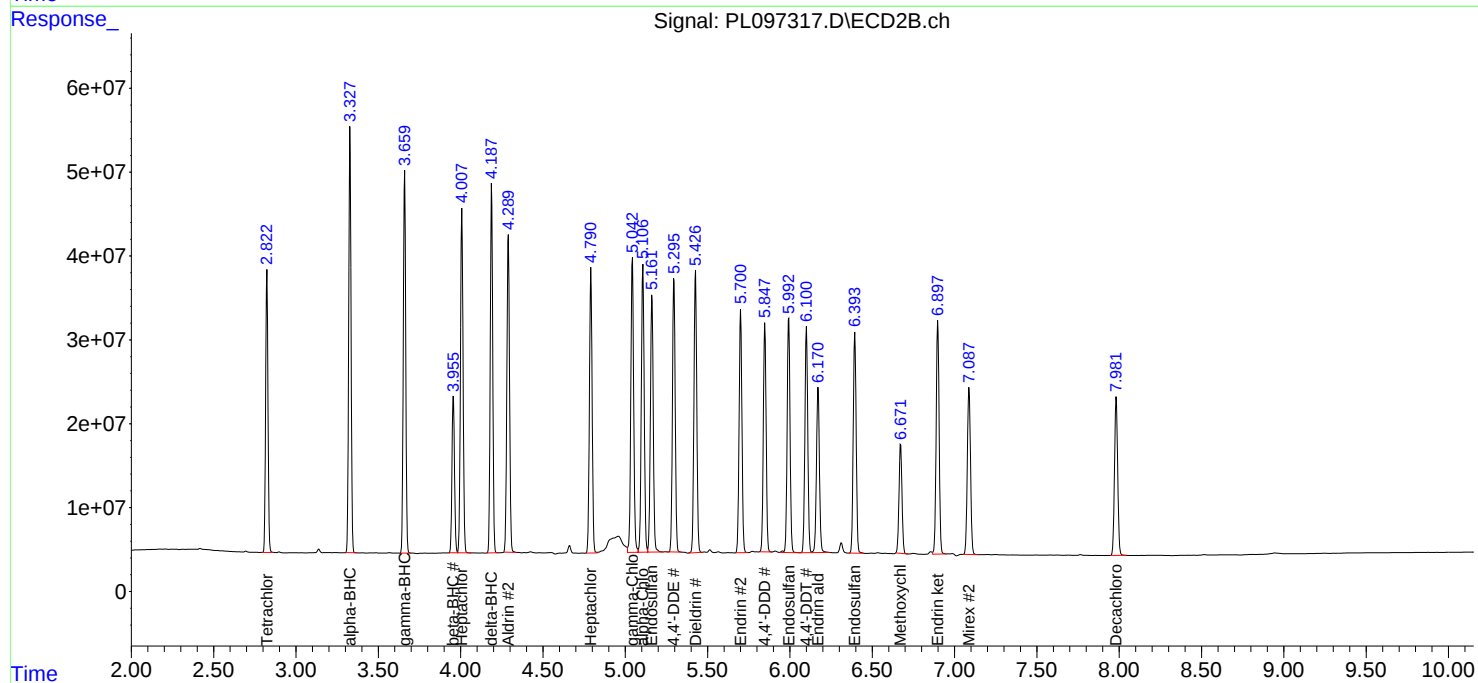
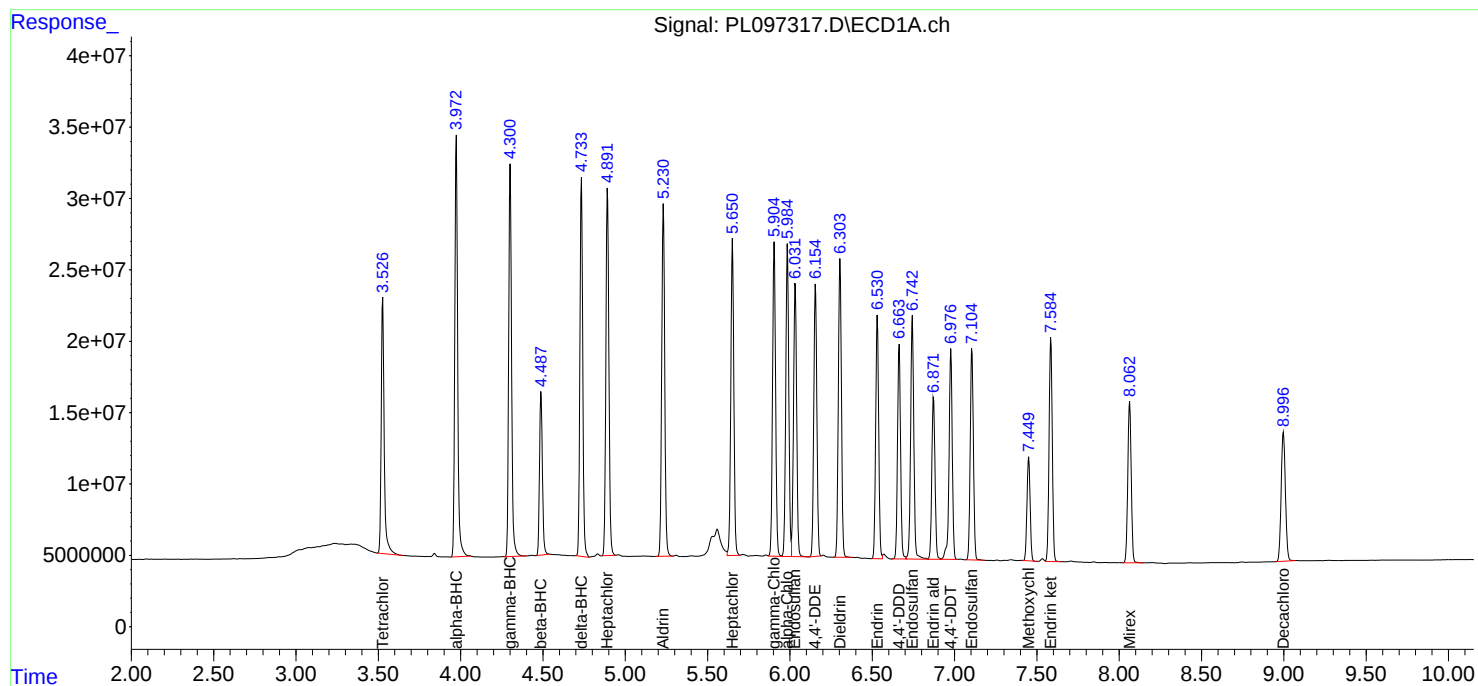
APPROVED

Reviewed By :Abdul Mirza 09/23/2025

Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:46:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm





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.: Q3155

Continuing Calib Date: 09/22/2025

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

Continuing Calib Time: 18:11

Initial Calibration Time(s): 17:06 18:00

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.53	3.53	3.43	3.63	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Dieldrin	6.31	6.31	6.21	6.41	0.01
4,4'-DDE	6.16	6.16	6.06	6.26	0.00
4,4'-DDD	6.66	6.67	6.57	6.77	0.01
4,4'-DDT	6.98	6.98	6.88	7.08	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** POWE02**Lab Code:** ACE**SDG NO.:** Q3155**Continuing Calib Date:** 09/22/2025**Initial Calibration Date(s):** 09/18/202509/18/2025**Continuing Calib Time:** 18:11**Initial Calibration Time(s):** 17:0618:00**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
Aldrin	4.29	4.29	4.19	4.39	0.00
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
4,4'-DDD	5.85	5.85	5.75	5.95	0.00
4,4'-DDT	6.10	6.10	6.00	6.20	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3155
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097328.D **Time Analyzed:** 18:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.664	6.566	6.766	52.070	50.000	4.1
4,4'-DDE	6.156	6.056	6.256	50.410	50.000	0.8
4,4'-DDT	6.979	6.880	7.080	45.630	50.000	-8.7
Aldrin	5.232	5.132	5.332	50.300	50.000	0.6
Decachlorobiphenyl	9.001	8.902	9.102	48.730	50.000	-2.5
Dieldrin	6.305	6.206	6.406	48.860	50.000	-2.3
Tetrachloro-m-xylene	3.527	3.428	3.628	51.250	50.000	2.5



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3155
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097328.D **Time Analyzed:** 18:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.849	5.750	5.950	48.330	50.000	-3.3
4,4'-DDE	5.297	5.197	5.397	48.430	50.000	-3.1
4,4'-DDT	6.102	6.002	6.202	43.840	50.000	-12.3
Aldrin	4.291	4.191	4.391	49.350	50.000	-1.3
Decachlorobiphenyl	7.984	7.884	8.084	40.500	50.000	-19.0
Dieldrin	5.427	5.328	5.528	48.310	50.000	-3.4
Tetrachloro-m-xylene	2.824	2.724	2.924	49.030	50.000	-1.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 18:11
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:47:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	232.0E6	322.4E6	51.248	49.032
28)	SA Decachlor...	9.001	7.984	159.5E6	230.5E6	48.729	40.496
Target Compounds							
2)	A alpha-BHC	3.974	3.329	362.2E6	499.4E6	51.831	50.157
3)	MA gamma-BHC...	4.302	3.661	340.0E6	462.3E6	51.413	49.634
4)	MA Heptachlor	4.892	4.009	332.4E6	447.4E6	49.840	48.077
5)	MB Aldrin	5.232	4.291	318.6E6	428.3E6	50.303	49.349
6)	B beta-BHC	4.489	3.957	141.1E6	196.9E6	51.762	48.472
7)	B delta-BHC	4.733	4.189	324.6E6	457.6E6	53.487m	49.783
8)	B Heptachlo...	5.651	4.792	289.5E6	388.1E6	50.367	48.925
9)	A Endosulfan I	6.033	5.163	252.6E6	363.4E6	48.750	47.298
10)	B gamma-Chl...	5.905	5.044	282.8E6	425.3E6	50.028	48.697
11)	B alpha-Chl...	5.986	5.108	277.1E6	406.0E6	48.784	48.919
12)	B 4,4'-DDE	6.156	5.297	240.2E6	372.2E6	50.406	48.428
13)	MA Dieldrin	6.305	5.427	267.8E6	395.0E6	48.858	48.307
14)	MA Endrin	6.531	5.702	214.4E6	334.6E6	46.481	44.546
15)	B Endosulfa...	6.745	5.994	230.4E6	328.0E6	46.849	46.131
16)	A 4,4'-DDD	6.664	5.849	196.3E6	311.7E6	52.066	48.328
17)	MA 4,4'-DDT	6.979	6.102	192.9E6	303.4E6	45.633	43.844
18)	B Endrin al...	6.874	6.172	149.5E6	235.9E6	48.491	44.193
19)	B Endosulfa...	7.107	6.396	196.2E6	311.1E6	48.060	45.418
20)	A Methoxychlor	7.452	6.674	91835427	154.7E6	44.038	41.036
21)	B Endrin ke...	7.587	6.899	207.6E6	333.6E6	48.909	44.299
22)	Mirex	8.065	7.089	158.3E6	248.2E6	44.594	41.509

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 18:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

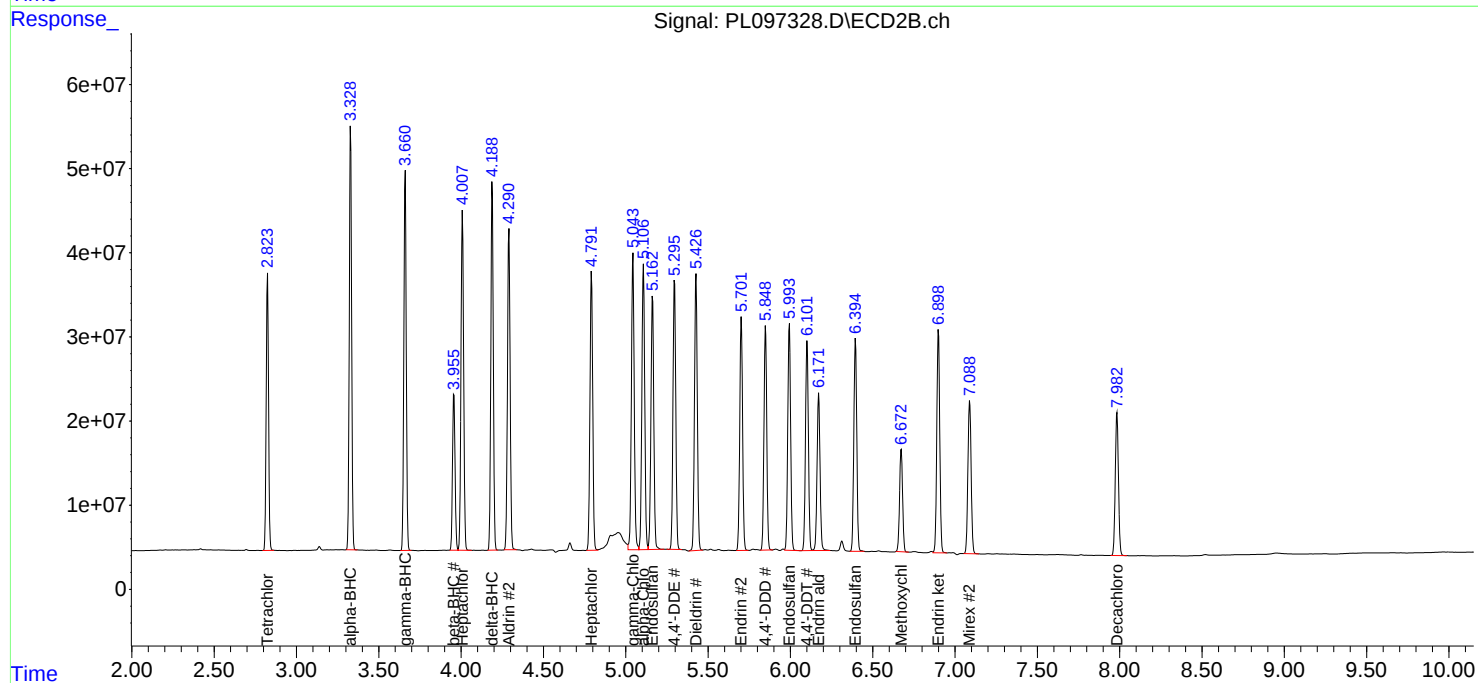
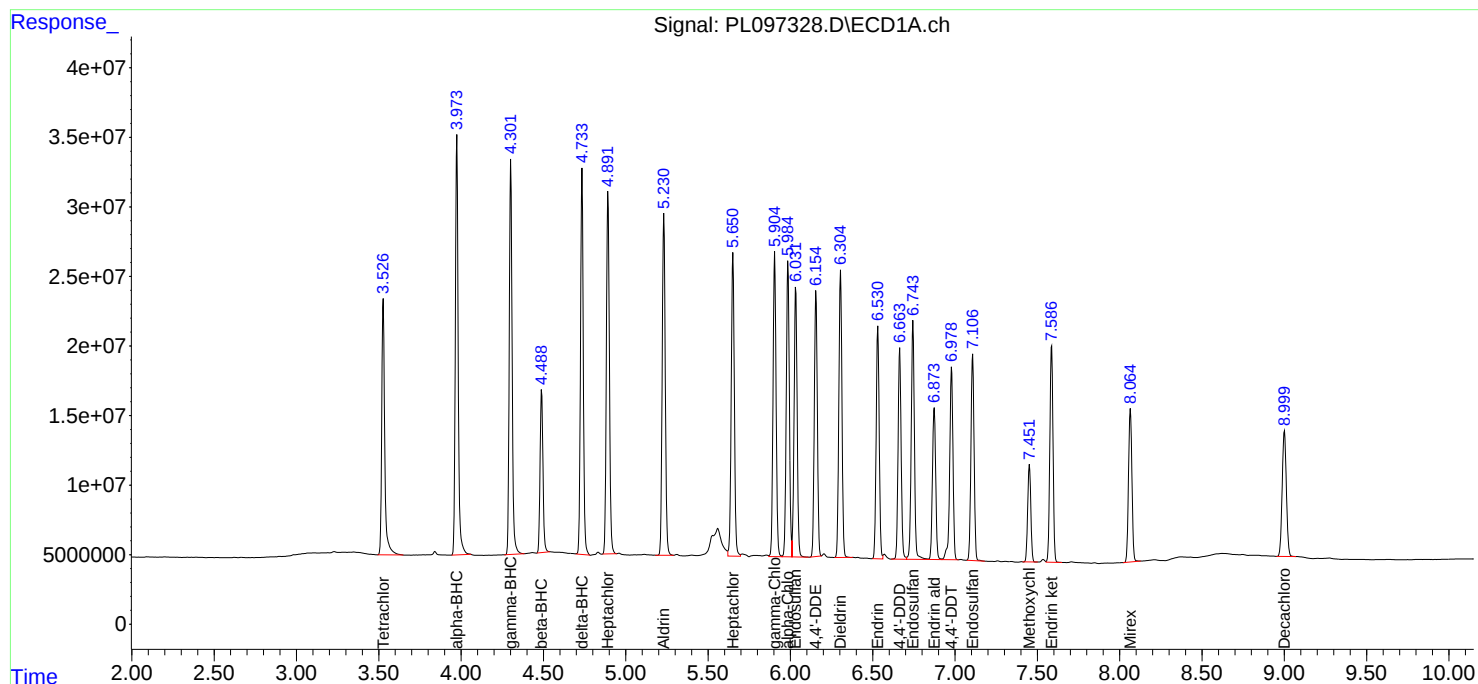
APPROVED

Reviewed By :Abdul Mirza 09/23/2025

Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:47:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm





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.: Q3155

Continuing Calib Date: 09/22/2025

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

09/18/2025

Continuing Calib Time: 21:08

Initial Calibration Time(s): 17:06

18:00

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.53	3.53	3.43	3.63	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Dieldrin	6.31	6.31	6.21	6.41	0.01
4,4'-DDE	6.16	6.16	6.06	6.26	0.00
4,4'-DDD	6.66	6.67	6.57	6.77	0.01
4,4'-DDT	6.98	6.98	6.88	7.08	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Continuing Calib Date: 09/22/2025

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

09/18/2025

Continuing Calib Time: 21:08

Initial Calibration Time(s): 17:06

18:00

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
Aldrin	4.29	4.29	4.19	4.39	0.00
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
4,4'-DDD	5.85	5.85	5.75	5.95	0.00
4,4'-DDT	6.10	6.10	6.00	6.20	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3155
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097341.D **Time Analyzed:** 21:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.664	6.566	6.766	57.380	50.000	14.8
4,4'-DDE	6.155	6.056	6.256	56.060	50.000	12.1
4,4'-DDT	6.978	6.880	7.080	50.060	50.000	0.1
Aldrin	5.232	5.132	5.332	54.320	50.000	8.6
Decachlorobiphenyl	8.999	8.902	9.102	53.620	50.000	7.2
Dieldrin	6.305	6.206	6.406	53.760	50.000	7.5
Tetrachloro-m-xylene	3.527	3.428	3.628	54.690	50.000	9.4



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** POWE02
Lab Code: ACE **SDG NO.:** Q3155
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097341.D **Time Analyzed:** 21:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.849	5.750	5.950	55.530	50.000	11.1
4,4'-DDE	5.295	5.197	5.397	54.070	50.000	8.1
4,4'-DDT	6.101	6.002	6.202	49.450	50.000	-1.1
Aldrin	4.291	4.191	4.391	54.450	50.000	8.9
Decachlorobiphenyl	7.983	7.884	8.084	48.470	50.000	-3.1
Dieldrin	5.428	5.328	5.528	54.040	50.000	8.1
Tetrachloro-m-xylene	2.824	2.724	2.924	53.880	50.000	7.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097341.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 21:08
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:49:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	247.6E6	354.3E6	54.690	53.880
2)	SA Decachlor...	8.999	7.983	175.5E6	275.9E6	53.622	48.471
Target Compounds							
2)	A alpha-BHC	3.974	3.329	389.8E6	551.3E6	55.786	55.367
3)	MA gamma-BHC...	4.302	3.661	365.6E6	510.4E6	55.285	54.799
4)	MA Heptachlor	4.893	4.009	353.8E6	491.4E6	53.038	52.810
5)	MB Aldrin	5.232	4.291	344.0E6	472.6E6	54.317	54.449
6)	B beta-BHC	4.489	3.957	150.7E6	215.8E6	55.262	53.136
7)	B delta-BHC	4.733	4.190	345.8E6	503.1E6	56.983m	54.736
8)	B Heptachlo...	5.651	4.792	312.6E6	425.3E6	54.386	53.618
9)	A Endosulfan I	6.033	5.163	279.5E6	400.2E6	53.953	52.087
10)	B gamma-Chl...	5.905	5.044	310.6E6	467.2E6	54.934	53.497
11)	B alpha-Chl...	5.985	5.108	305.6E6	447.6E6	53.810	53.929
12)	B 4,4'-DDE	6.155	5.295	267.1E6	415.5E6	56.064	54.073m
13)	MA Dieldrin	6.305	5.428	294.7E6	441.9E6	53.759	54.044
14)	MA Endrin	6.531	5.702	234.2E6	380.7E6	50.768	50.690
15)	B Endosulfa...	6.744	5.994	252.8E6	372.7E6	51.394	52.423
16)	A 4,4'-DDD	6.664	5.849	216.4E6	358.1E6	57.382	55.533
17)	MA 4,4'-DDT	6.978	6.101	211.6E6	342.2E6	50.061	49.448
18)	B Endrin al...	6.873	6.172	166.4E6	267.4E6	53.991	50.099
19)	B Endosulfa...	7.106	6.395	216.7E6	352.3E6	53.088	51.427
20)	A Methoxychlor	7.451	6.673	100.5E6	175.3E6	48.210	46.501
21)	B Endrin ke...	7.586	6.899	232.0E6	404.6E6	54.663	53.724
22)	Mirex	8.064	7.089	175.9E6	296.9E6	49.552	49.664

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 21:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

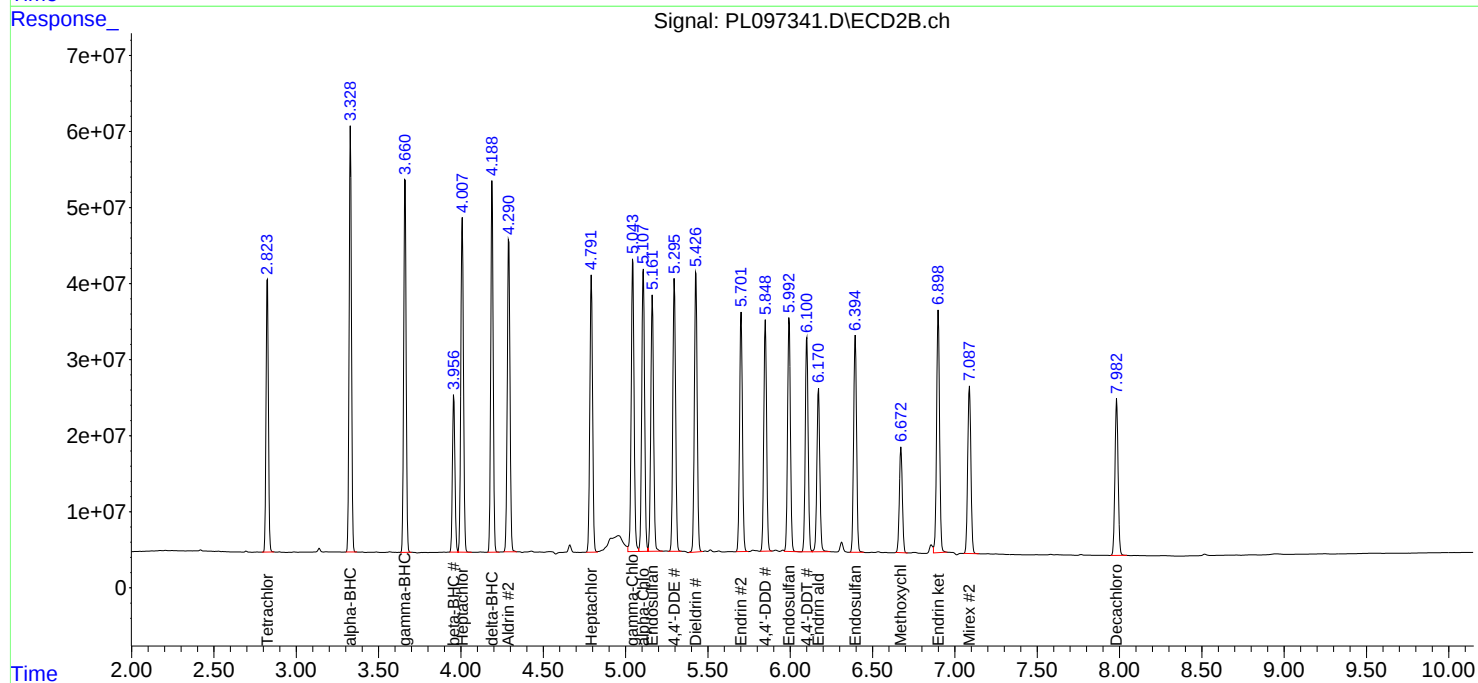
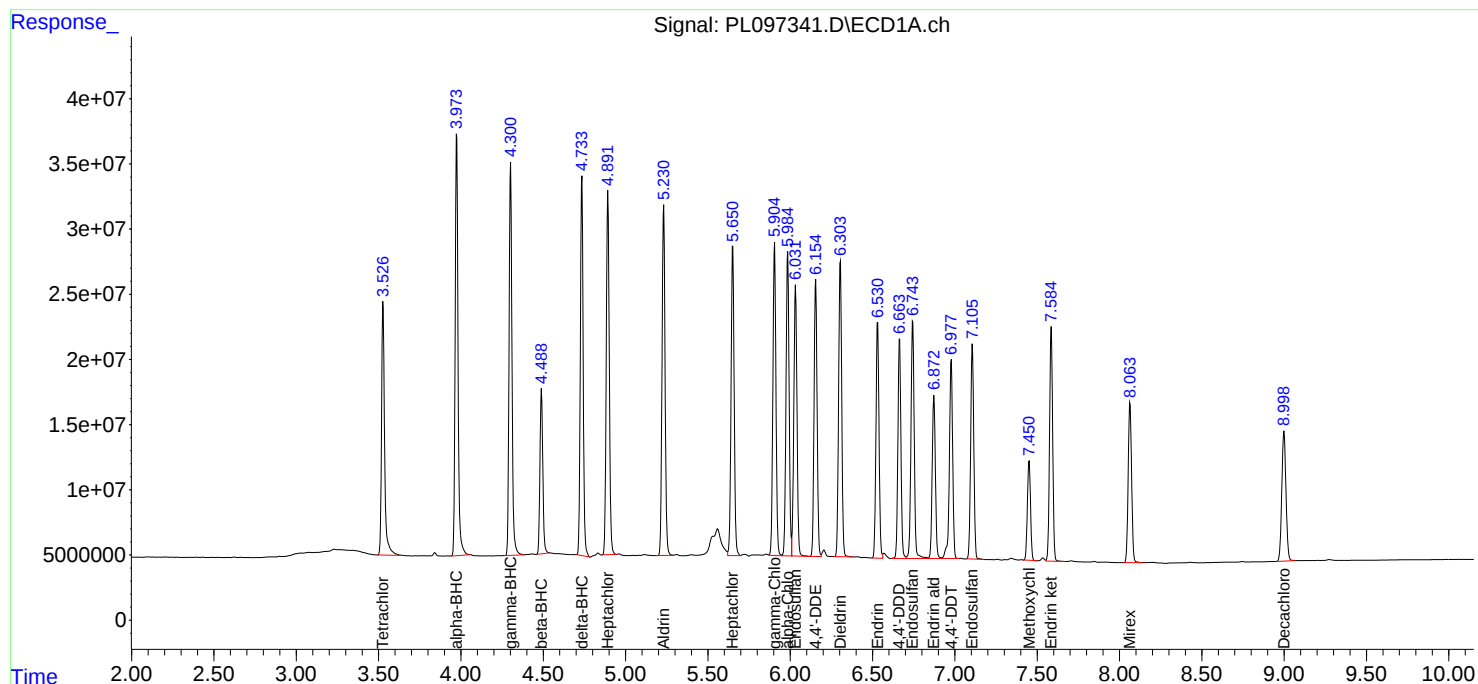
APPROVED

Reviewed By :Abdul Mirza 09/23/2025

Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:49:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm





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.: Q3155

Continuing Calib Date: 09/23/2025 Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 00:46 Initial Calibration Time(s): 17:06 18:00

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.53	3.53	3.43	3.63	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Dieldrin	6.31	6.31	6.21	6.41	0.01
4,4'-DDE	6.16	6.16	6.06	6.26	0.00
4,4'-DDD	6.66	6.67	6.57	6.77	0.01
4,4'-DDT	6.98	6.98	6.88	7.08	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.:** Q3155**Continuing Calib Date:** 09/23/2025**Initial Calibration Date(s):** 09/18/202509/18/2025**Continuing Calib Time:** 00:46**Initial Calibration Time(s):** 17:0618:00**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
Aldrin	4.29	4.29	4.19	4.39	0.00
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
4,4'-DDD	5.85	5.85	5.75	5.95	0.00
4,4'-DDT	6.10	6.10	6.00	6.20	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.:** Q3155
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097355.D **Time Analyzed:** 00:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.664	6.566	6.766	56.990	50.000	14.0
4,4'-DDE	6.156	6.056	6.256	54.290	50.000	8.6
4,4'-DDT	6.978	6.880	7.080	46.230	50.000	-7.5
Aldrin	5.232	5.132	5.332	52.910	50.000	5.8
Decachlorobiphenyl	8.999	8.902	9.102	51.350	50.000	2.7
Dieldrin	6.305	6.206	6.406	52.220	50.000	4.4
Tetrachloro-m-xylene	3.527	3.428	3.628	54.430	50.000	8.9



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.:** Q3155
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097355.D **Time Analyzed:** 00:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.849	5.750	5.950	53.480	50.000	7.0
4,4'-DDE	5.297	5.197	5.397	51.980	50.000	4.0
4,4'-DDT	6.101	6.002	6.202	44.270	50.000	-11.5
Aldrin	4.290	4.191	4.391	53.600	50.000	7.2
Decachlorobiphenyl	7.983	7.884	8.084	45.360	50.000	-9.3
Dieldrin	5.428	5.328	5.528	51.940	50.000	3.9
Tetrachloro-m-xylene	2.824	2.724	2.924	53.670	50.000	7.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097355.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 00:46
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:51:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	246.4E6	352.9E6	54.430	53.667
28)	SA Decachlor...	8.999	7.983	168.0E6	258.2E6	51.345	45.360
Target Compounds							
2)	A alpha-BHC	3.974	3.329	385.7E6	547.8E6	55.205	55.011
3)	MA gamma-BHC...	4.301	3.661	359.1E6	505.4E6	54.296	54.255
4)	MA Heptachlor	4.892	4.008	340.5E6	477.0E6	51.042	51.266
5)	MB Aldrin	5.232	4.290	335.1E6	465.2E6	52.912	53.598
6)	B beta-BHC	4.489	3.957	148.2E6	213.5E6	54.367	52.550
7)	B delta-BHC	4.733	4.189	338.2E6	494.7E6	55.740m	53.812
8)	B Heptachlo...	5.651	4.792	302.5E6	416.8E6	52.630	52.555
9)	A Endosulfan I	6.032	5.163	269.4E6	386.9E6	52.002	50.349
10)	B gamma-Chl...	5.905	5.044	300.6E6	453.9E6	53.175	51.965
11)	B alpha-Chl...	5.985	5.108	295.1E6	433.6E6	51.958	52.232
12)	B 4,4'-DDE	6.156	5.297	258.7E6	399.5E6	54.289	51.982
13)	MA Dieldrin	6.305	5.428	286.3E6	424.7E6	52.216	51.938
14)	MA Endrin	6.531	5.702	225.4E6	360.1E6	48.869	47.953
15)	B Endosulfa...	6.744	5.994	244.9E6	354.6E6	49.800	49.877
16)	A 4,4'-DDD	6.664	5.849	214.9E6	344.9E6	56.990	53.475
17)	MA 4,4'-DDT	6.978	6.101	195.4E6	306.4E6	46.235	44.275
18)	B Endrin al...	6.873	6.172	160.8E6	247.7E6	52.174	46.416
19)	B Endosulfa...	7.107	6.395	210.4E6	332.9E6	51.530	48.603
20)	A Methoxychlor	7.451	6.673	92934830	157.7E6	44.565	41.836
21)	B Endrin ke...	7.586	6.899	223.1E6	366.2E6	52.564	48.627
22)	Mirex	8.064	7.088	168.3E6	274.7E6	47.413	45.941

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 00:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

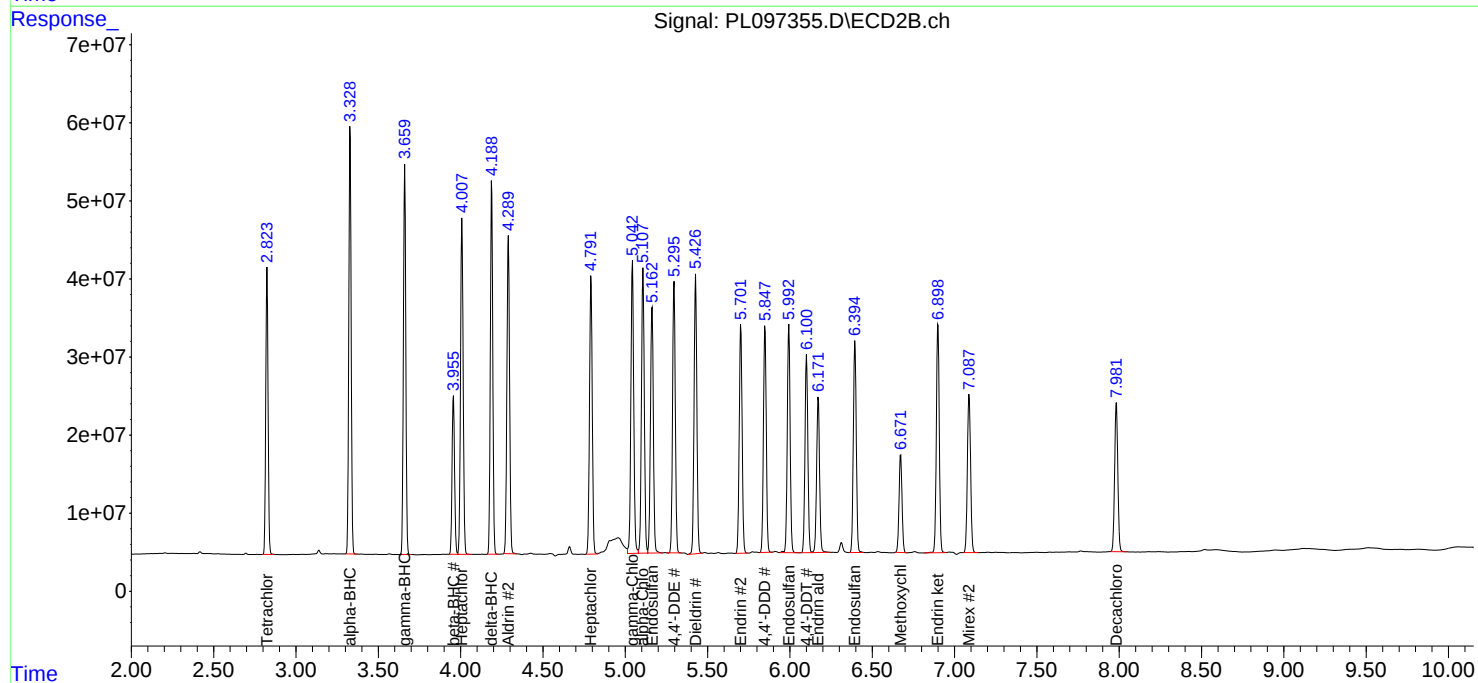
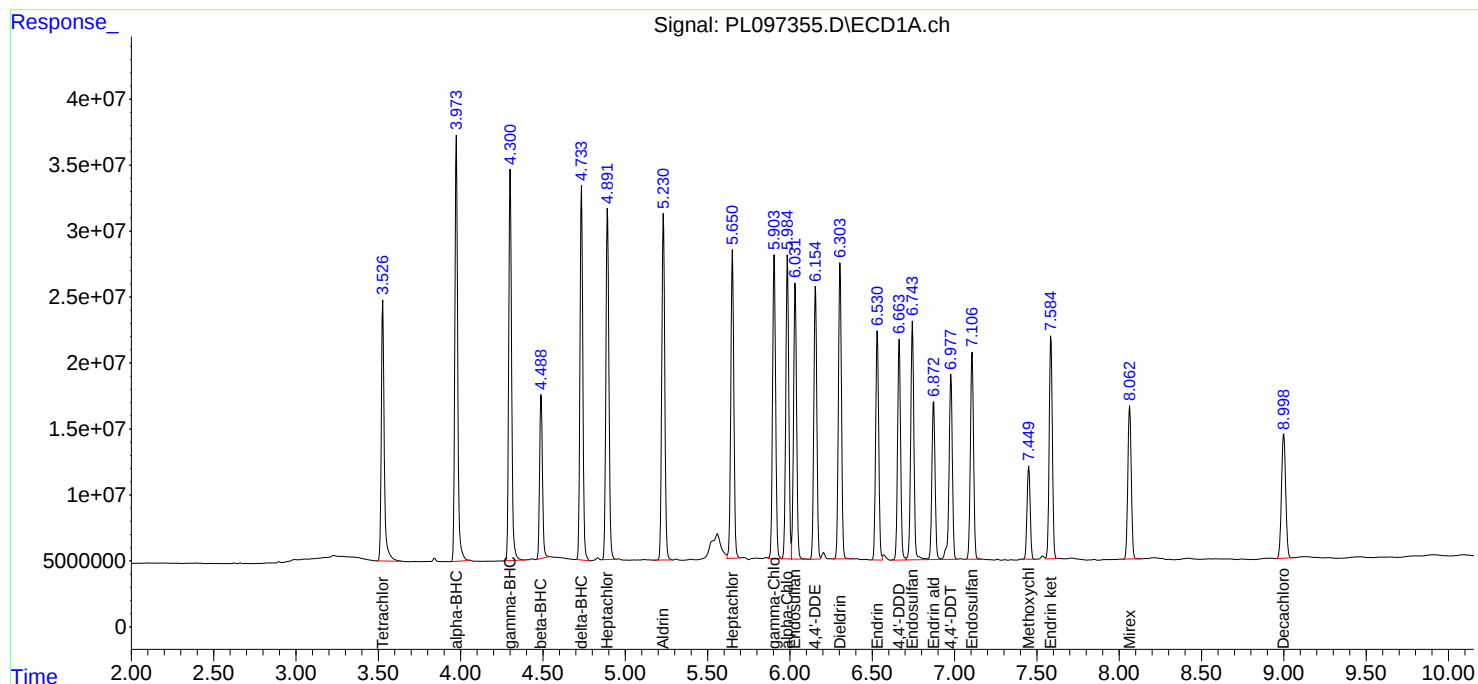
APPROVED

Reviewed By :Abdul Mirza 09/23/2025

Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:51:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

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

Client Sample No. (PEM): PEM - PL097269.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:39

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.000	8.900	9.100	15.660	20.000	-21.7
Tetrachloro-m-xylene	3.527	3.480	3.580	14.770	20.000	-26.2
alpha-BHC	3.974	3.920	4.020	6.930	10.000	-30.7
beta-BHC	4.489	4.440	4.540	7.340	10.000	-26.6
gamma-BHC (Lindane)	4.302	4.250	4.350	7.210	10.000	-27.9
Endrin	6.532	6.460	6.600	37.780	50.000	-24.4
4,4'-DDT	6.979	6.910	7.050	73.290	100.000	-26.7
Methoxychlor	7.452	7.380	7.520	180.320	250.000	-27.9

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

Client Sample No. (PEM): PEM - PL097269.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:39

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.984	7.880	8.080	15.470	20.000	-22.7
Tetrachloro-m-xylene	2.824	2.770	2.870	14.550	20.000	-27.3
alpha-BHC	3.329	3.280	3.380	6.890	10.000	-31.1
beta-BHC	3.957	3.910	4.010	7.490	10.000	-25.1
gamma-BHC (Lindane)	3.660	3.610	3.710	7.000	10.000	-30.0
Endrin	5.702	5.630	5.770	36.670	50.000	-26.7
4,4'-DDT	6.102	6.030	6.170	76.460	100.000	-23.5
Methoxychlor	6.674	6.600	6.740	166.760	250.000	-33.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
 Data File : PL097269.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 16:39
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/19/2025
 Supervised By :mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:42:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	66867312	95692858	14.770	14.553
28)	SA Decachlor...	9.000	7.984	51238202	88066168	15.659	15.473
Target Compounds							
2)	A alpha-BHC	3.974	3.329	48421315	68644926	6.930	6.894
3)	MA gamma-BHC...	4.302	3.660	47659315	65230882	7.207	7.003
6)	B beta-BHC	4.489	3.957	20012852	30421608	7.341	7.489
14)	MA Endrin	6.532	5.702	174.3E6	275.4E6	37.781	36.671
16)	A 4,4'-DDD	6.665	5.856	465298	1405401	0.123m	0.218m#
17)	MA 4,4'-DDT	6.979	6.102	309.8E6	529.1E6	73.292	76.458
18)	B Endrin al...	6.879	6.171	1009715	9847104	0.328m	1.845m#
20)	A Methoxychlor	7.452	6.674	376.0E6	628.6E6	180.319	166.763
21)	B Endrin ke...	7.586	6.896	1666712	2086500	0.393m	0.277m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 16:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

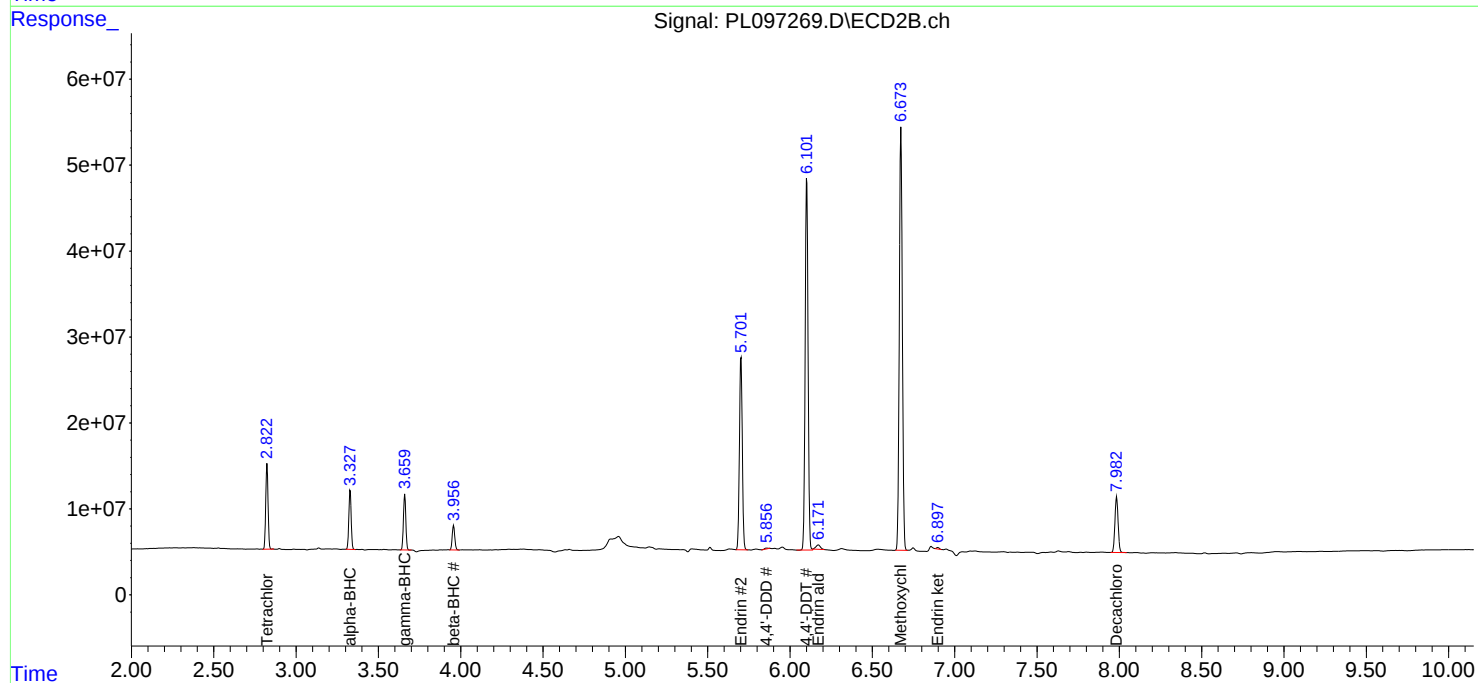
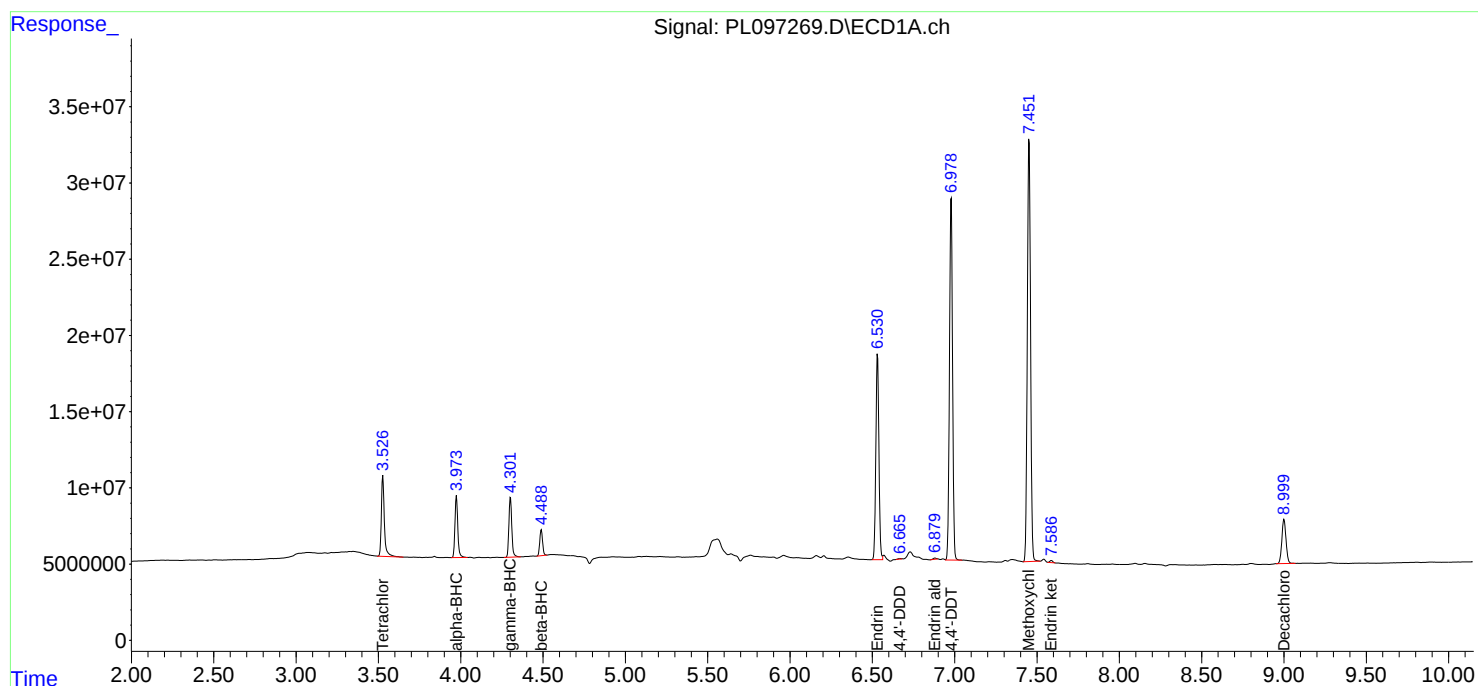
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/19/2025
Supervised By : mohammad ahmed 09/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:42:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

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

Client Sample No. (PEM): PEM - PL097316.D Date Analyzed: 09/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:20

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.999	8.900	9.100	18.680	20.000	-6.6
Tetrachloro-m-xylene	3.527	3.480	3.580	17.520	20.000	-12.4
alpha-BHC	3.974	3.920	4.020	8.550	10.000	-14.5
beta-BHC	4.489	4.440	4.540	9.390	10.000	-6.1
gamma-BHC (Lindane)	4.301	4.250	4.350	8.730	10.000	-12.7
Endrin	6.530	6.460	6.600	42.130	50.000	-15.7
4,4'-DDT	6.978	6.910	7.050	83.940	100.000	-16.1
Methoxychlor	7.451	7.380	7.520	204.110	250.000	-18.4

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

Client Sample No. (PEM): PEM - PL097316.D Date Analyzed: 09/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:20

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.982	7.880	8.080	16.770	20.000	-16.2
Tetrachloro-m-xylene	2.824	2.770	2.870	17.780	20.000	-11.1
alpha-BHC	3.328	3.280	3.380	8.450	10.000	-15.5
beta-BHC	3.956	3.910	4.010	9.160	10.000	-8.4
gamma-BHC (Lindane)	3.660	3.610	3.710	8.590	10.000	-14.1
Endrin	5.701	5.630	5.770	42.060	50.000	-15.9
4,4'-DDT	6.100	6.030	6.170	85.270	100.000	-14.7
Methoxychlor	6.673	6.600	6.740	176.620	250.000	-29.4

Data File: PEM
 PL097316.D Date Acquired 9/22/2025 11:20
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.53	194354667.4	202880976.3	8526308.84	4.20
Endrin aldehyde	6.87	2149412.225			
Endrin ketone	7.59	6376896.611			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.70	315882513.4	343526859.1	27644345.7	8.05
Endrin aldehyde #2	6.17	14279473.48			
Endrin ketone #2	6.90	13364872.21			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.98	354820908.4	364179964.7	9359056.34	2.57
4,4'-DDE	0.00	0			
4,4'-DDD	6.66	9359056.342			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.10	590137095.6	606116706	15979610.4	2.64
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.85	15979610.44			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097316.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 11:20
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/23/2025
 Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:45:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	79301035	116.9E6	17.517	17.780
28)	SA Decachlor...	8.999	7.982	61113780	95442246	18.677	16.769
Target Compounds							
2)	A alpha-BHC	3.974	3.328	59728278	84100216	8.548	8.446
3)	MA gamma-BHC...	4.301	3.660	57729518	80052449	8.730	8.594
6)	B beta-BHC	4.489	3.956	25610468	37189948	9.394	9.155
14)	MA Endrin	6.530	5.701	194.4E6	315.9E6	42.131	42.059
16)	A 4,4'-DDD	6.664	5.849	9359056	15979610	2.482	2.478
17)	MA 4,4'-DDT	6.978	6.100	354.8E6	590.1E6	83.938	85.274
18)	B Endrin al...	6.874	6.171	2149412	14279473	0.697m	2.675 #
20)	A Methoxychlor	7.451	6.673	425.7E6	665.8E6	204.115	176.621
21)	B Endrin ke...	7.585	6.898	6376897	13364872	1.502	1.775

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 11:20
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

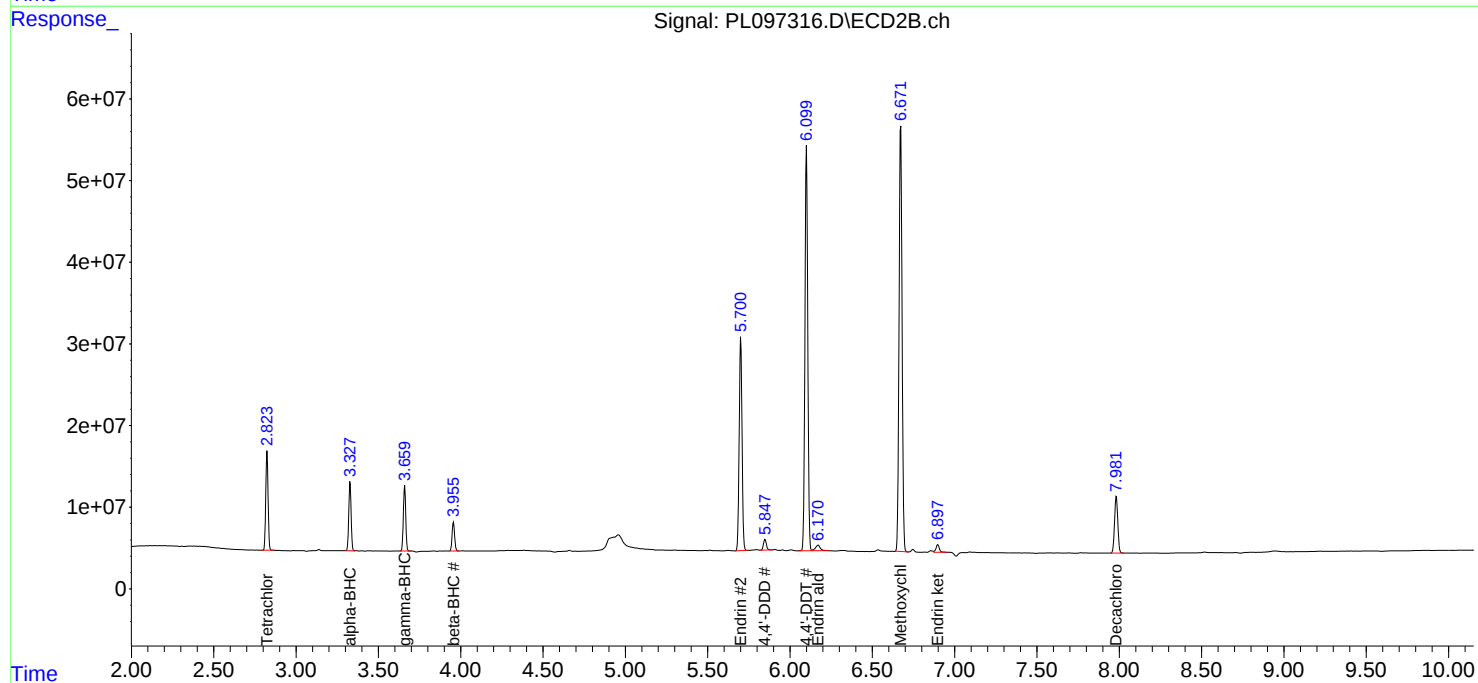
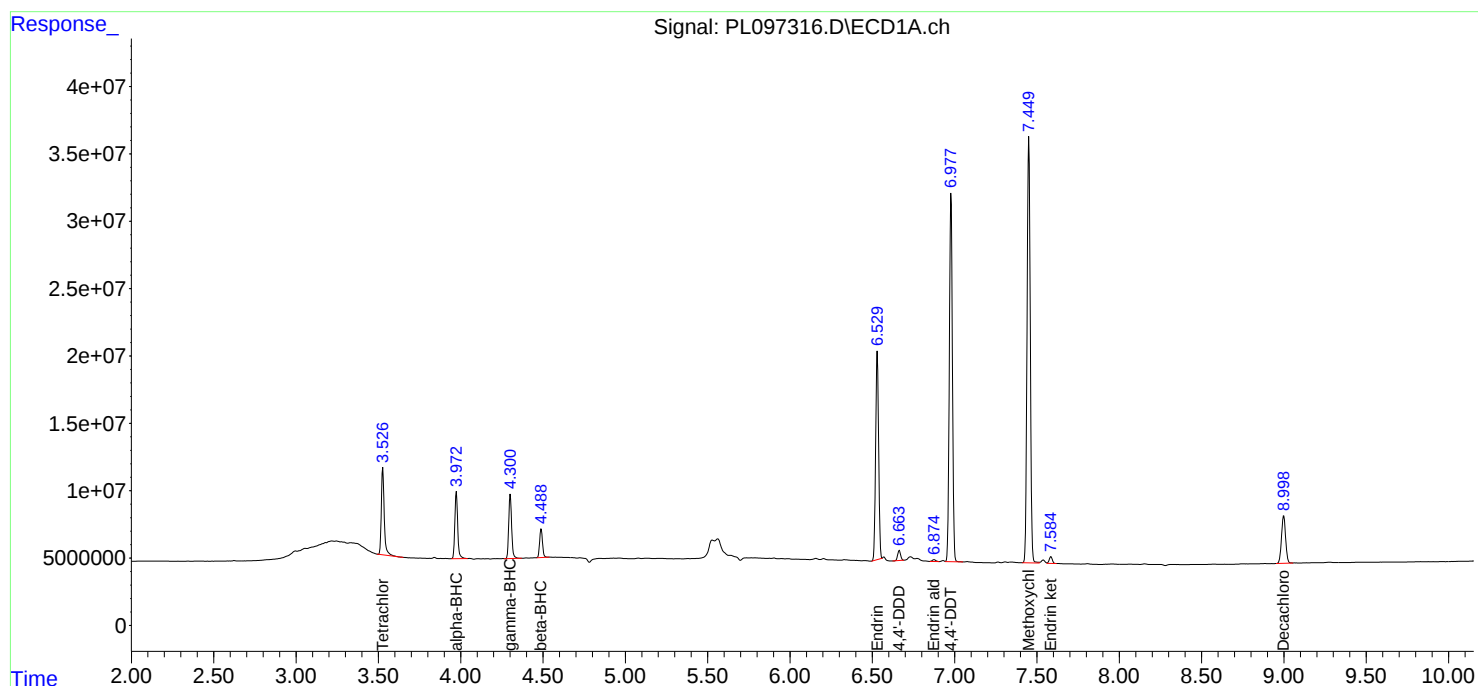
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 09/23/2025
Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:45:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

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

Client Sample No. (PEM): PEM - PL097340.D Date Analyzed: 09/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 20:55

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.000	8.900	9.100	18.730	20.000	-6.4
Tetrachloro-m-xylene	3.528	3.480	3.580	18.350	20.000	-8.3
alpha-BHC	3.974	3.920	4.020	8.690	10.000	-13.1
beta-BHC	4.490	4.440	4.540	9.410	10.000	-5.9
gamma-BHC (Lindane)	4.302	4.250	4.350	8.850	10.000	-11.5
Endrin	6.531	6.460	6.600	42.820	50.000	-14.4
4,4'-DDT	6.979	6.910	7.050	81.390	100.000	-18.6
Methoxychlor	7.452	7.380	7.520	197.170	250.000	-21.1

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

Client Sample No. (PEM): PEM - PL097340.D Date Analyzed: 09/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 20:55

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.984	7.880	8.080	17.340	20.000	-13.3
Tetrachloro-m-xylene	2.824	2.770	2.870	18.060	20.000	-9.7
alpha-BHC	3.329	3.280	3.380	8.600	10.000	-14.0
beta-BHC	3.957	3.910	4.010	9.230	10.000	-7.7
gamma-BHC (Lindane)	3.661	3.610	3.710	8.720	10.000	-12.8
Endrin	5.702	5.630	5.770	42.230	50.000	-15.5
4,4'-DDT	6.102	6.030	6.170	82.920	100.000	-17.1
Methoxychlor	6.674	6.600	6.740	175.530	250.000	-29.8

PEM
 Data File: PL097340.D Date Acquired 9/22/2025 20:55
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.53	197522792.5	210565760.3	13042967.8	Down 6.19
Endrin aldehyde	6.87	2701989.386			
Endrin ketone	7.59	10340978.44			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.70	317134944.9	353282053.4	36147108.4	10.23
Endrin aldehyde #2	6.17	13823351.75			
Endrin ketone #2	6.90	22323756.66			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.98	344059391.2	360645154.8	16585763.6	4.60
4,4'-DDE	0.00	0			
4,4'-DDD	6.66	16585763.59			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.10	573838234.1	601488127.4	27649893.3	4.60
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.85	27649893.29			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097340.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 20:55
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/23/2025
 Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:49:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.528	2.824	83095318	118.7E6	18.355	18.056
28)	SA Decachlor...	9.000	7.984	61292884	98676908	18.731	17.337
Target Compounds							
2)	A alpha-BHC	3.974	3.329	60697471	85662634	8.687	8.603
3)	MA gamma-BHC...	4.302	3.661	58558042	81230119	8.855	8.721
6)	B beta-BHC	4.490	3.957	25643491	37511854	9.406	9.235
14)	MA Endrin	6.531	5.702	197.5E6	317.1E6	42.817	42.225
16)	A 4,4'-DDD	6.665	5.849	16585764	27649893	4.399	4.287
17)	MA 4,4'-DDT	6.979	6.102	344.1E6	573.8E6	81.392	82.919
18)	B Endrin al...	6.874	6.173	2701989	13823352	0.876m	2.590 #
20)	A Methoxychlor	7.452	6.674	411.2E6	661.6E6	197.174	175.527
21)	B Endrin ke...	7.586	6.899	10340978	22323757	2.436	2.965

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 20:55
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

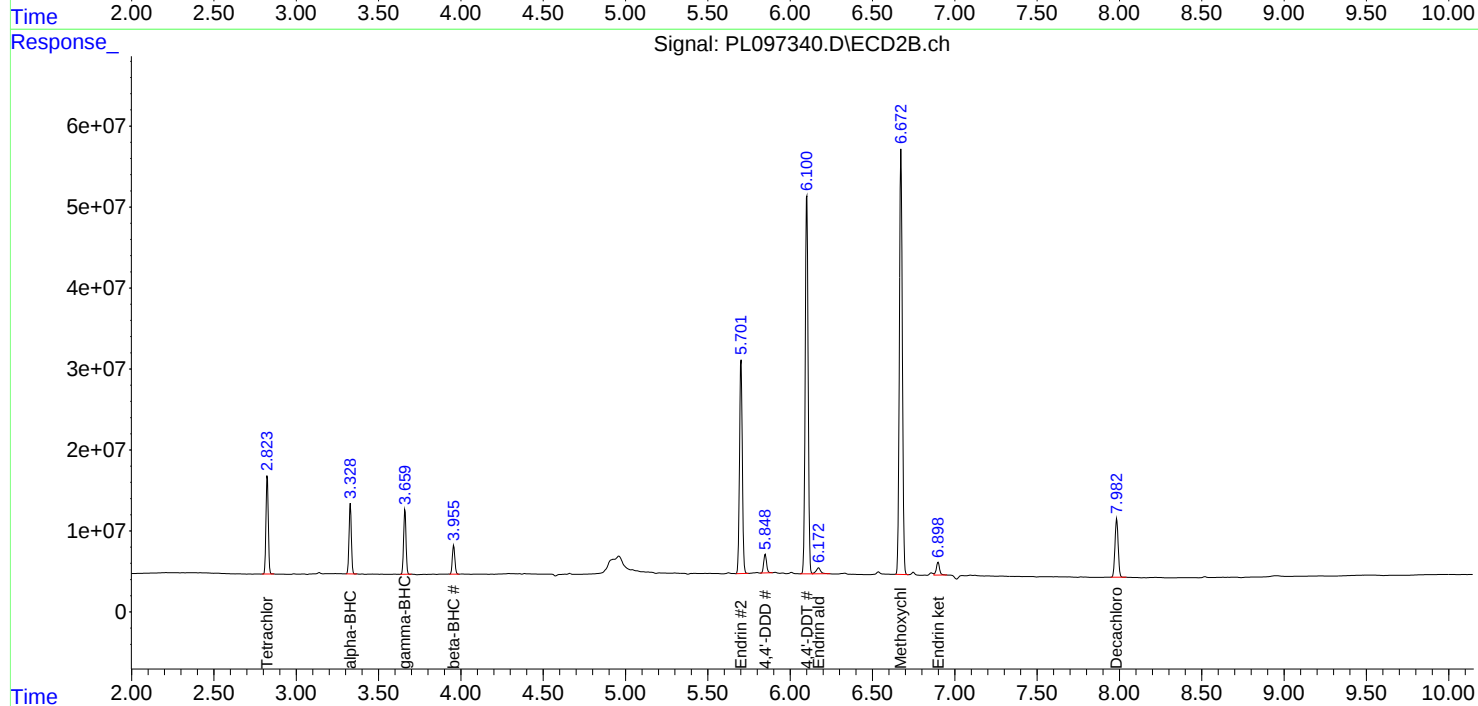
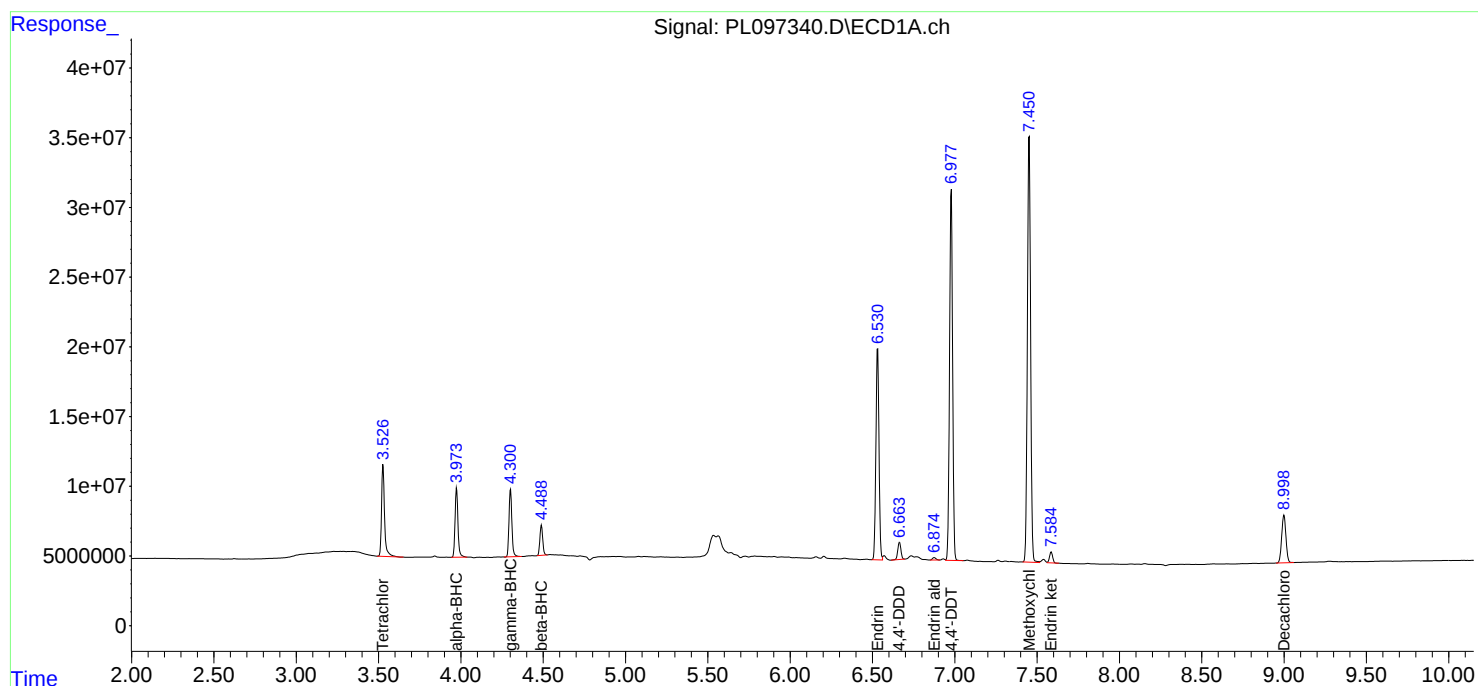
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:49:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



Analytical Sequence

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

Instrument ID: ECD_L

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 #
IBLK	IBLK	09/18/2025	16:25	PL097268.D	9.00	3.53
PEM	PEM	09/18/2025	16:39	PL097269.D	9.00	3.53
RESCHK	RESCHK	09/18/2025	16:52	PL097270.D	9.00	3.53
PSTDICCC100	PSTDICCC100	09/18/2025	17:06	PL097271.D	9.00	3.53
PSTDICCC075	PSTDICCC075	09/18/2025	17:19	PL097272.D	9.00	3.53
PSTDICCC050	PSTDICCC050	09/18/2025	17:33	PL097273.D	9.00	3.53
PSTDICCC025	PSTDICCC025	09/18/2025	17:47	PL097274.D	9.00	3.53
PSTDICCC005	PSTDICCC005	09/18/2025	18:00	PL097275.D	9.00	3.53
PCHLORICC500	PCHLORICC500	09/18/2025	18:41	PL097278.D	9.00	3.53
PTOXICC500	PTOXICC500	09/18/2025	19:49	PL097283.D	9.00	3.53
IBLK	IBLK	09/22/2025	11:06	PL097315.D	9.00	3.53
PEM	PEM	09/22/2025	11:20	PL097316.D	9.00	3.53
PSTDCCC050	PSTDCCC050	09/22/2025	11:33	PL097317.D	9.00	3.53
PB169772BL	PB169772BL	09/22/2025	13:30	PL097319.D	9.01	3.53
PB169772BS	PB169772BS	09/22/2025	13:44	PL097320.D	9.00	3.53
IBLK	IBLK	09/22/2025	17:58	PL097327.D	9.00	3.53
PSTDCCC050	PSTDCCC050	09/22/2025	18:11	PL097328.D	9.00	3.53
IBLK	IBLK	09/22/2025	20:41	PL097339.D	9.00	3.53
PEM	PEM	09/22/2025	20:55	PL097340.D	9.00	3.53
PSTDCCC050	PSTDCCC050	09/22/2025	21:08	PL097341.D	9.00	3.53
OR-500-COMP-39MS	Q3153-01MS	09/22/2025	22:57	PL097347.D	9.00	3.53
OR-500-COMP-39MSD	Q3153-01MSD	09/22/2025	23:11	PL097348.D	9.00	3.53
COMP-1	Q3155-01	09/22/2025	23:38	PL097350.D	9.00	3.53
COMP-2	Q3155-02	09/22/2025	23:52	PL097351.D	9.00	3.53
COMP-3	Q3155-03	09/23/2025	00:05	PL097352.D	9.00	3.53
IBLK	IBLK	09/23/2025	00:32	PL097354.D	9.00	3.53
PSTDCCC050	PSTDCCC050	09/23/2025	00:46	PL097355.D	9.00	3.53

Analytical Sequence

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

Instrument ID: ECD_L

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	16:25	PL097268.D	7.98	2.82
PEM	PEM	09/18/2025	16:39	PL097269.D	7.98	2.82
RESCHK	RESCHK	09/18/2025	16:52	PL097270.D	7.98	2.82
PSTDICCC100	PSTDICCC100	09/18/2025	17:06	PL097271.D	7.98	2.82
PSTDICCC075	PSTDICCC075	09/18/2025	17:19	PL097272.D	7.99	2.82
PSTDICCC050	PSTDICCC050	09/18/2025	17:33	PL097273.D	7.98	2.82
PSTDICCC025	PSTDICCC025	09/18/2025	17:47	PL097274.D	7.98	2.82
PSTDICCC005	PSTDICCC005	09/18/2025	18:00	PL097275.D	7.98	2.82
PCHLORICC500	PCHLORICC500	09/18/2025	18:41	PL097278.D	7.98	2.82
PTOXICC500	PTOXICC500	09/18/2025	19:49	PL097283.D	7.99	2.82
IBLK	IBLK	09/22/2025	11:06	PL097315.D	7.98	2.82
PEM	PEM	09/22/2025	11:20	PL097316.D	7.98	2.82
PSTDCCC050	PSTDCCC050	09/22/2025	11:33	PL097317.D	7.98	2.82
PB169772BL	PB169772BL	09/22/2025	13:30	PL097319.D	7.98	2.82
PB169772BS	PB169772BS	09/22/2025	13:44	PL097320.D	7.98	2.82
IBLK	IBLK	09/22/2025	17:58	PL097327.D	7.98	2.82
PSTDCCC050	PSTDCCC050	09/22/2025	18:11	PL097328.D	7.98	2.82
IBLK	IBLK	09/22/2025	20:41	PL097339.D	7.98	2.82
PEM	PEM	09/22/2025	20:55	PL097340.D	7.98	2.82
PSTDCCC050	PSTDCCC050	09/22/2025	21:08	PL097341.D	7.98	2.82
OR-500-COMP-39MS	Q3153-01MS	09/22/2025	22:57	PL097347.D	7.98	2.83
OR-500-COMP-39MSD	Q3153-01MSD	09/22/2025	23:11	PL097348.D	7.98	2.83
COMP-1	Q3155-01	09/22/2025	23:38	PL097350.D	7.98	2.83
COMP-2	Q3155-02	09/22/2025	23:52	PL097351.D	7.98	2.83
COMP-3	Q3155-03	09/23/2025	00:05	PL097352.D	7.98	2.83
IBLK	IBLK	09/23/2025	00:32	PL097354.D	7.98	2.82
PSTDCCC050	PSTDCCC050	09/23/2025	00:46	PL097355.D	7.98	2.82

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab Sample ID: Q3155-01

Date(s) Analyzed: 09/22/2025 09/22/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.66	6.61	6.71	2.40	46.2
	2	5.85	5.80	5.90	1.50	
4,4'-DDT	1	6.98	6.93	7.03	4.80	4.3
	2	6.10	6.05	6.15	4.60	
4,4'-DDE	1	6.16	6.11	6.21	9.50	3.1
	2	5.30	5.25	5.35	9.80	
Dieldrin	1	6.30	6.25	6.35	0.36	81.1
	2	5.43	5.38	5.48	0.86	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-2

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab Sample ID: Q3155-02

Date(s) Analyzed: 09/22/2025 09/22/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.66	6.61	6.71	2.50	85.7
	2	5.85	5.80	5.90	1.00	
4,4'-DDT	1	6.98	6.93	7.03	9.90	8.4
	2	6.10	6.05	6.15	9.10	
4,4'-DDE	1	6.16	6.11	6.21	8.80	5.5
	2	5.30	5.25	5.35	9.30	
Dieldrin	1	6.30	6.25	6.35	0.41	118.1
	2	5.43	5.38	5.48	1.60	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-3

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab Sample ID: Q3155-03

Date(s) Analyzed: 09/23/2025 09/23/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.67	6.62	6.72	2.00	42.4
	2	5.85	5.80	5.90	1.30	
4,4'-DDT	1	6.98	6.93	7.03	7.50	9.8
	2	6.10	6.05	6.15	6.80	
4,4'-DDE	1	6.16	6.11	6.21	17.9	3.8
	2	5.30	5.25	5.35	18.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-500-COMP-39MS

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab Sample ID: Q3153-01MS

Date(s) Analyzed: 09/22/2025 09/22/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.66	6.61	6.71	14.8	12.9
	2	5.85	5.80	5.90	13.0	
4,4'-DDT	1	6.98	6.93	7.03	12.7	6.5
	2	6.10	6.05	6.15	11.9	
Aldrin	1	5.23	5.18	5.28	13.7	0
	2	4.29	4.24	4.34	13.7	
4,4'-DDE	1	6.16	6.11	6.21	13.9	2.9
	2	5.30	5.25	5.35	13.5	
Dieldrin	1	6.31	6.26	6.36	13.7	1.5
	2	5.43	5.38	5.48	13.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-500-COMP-39MSD

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab Sample ID: Q3153-01MSD

Date(s) Analyzed: 09/22/2025 09/22/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.66	6.61	6.71	14.6	12.4
	2	5.85	5.80	5.90	12.9	
4,4'-DDT	1	6.98	6.93	7.03	12.4	5.8
	2	6.10	6.05	6.15	11.7	
Aldrin	1	5.23	5.18	5.28	13.6	0
	2	4.29	4.24	4.34	13.6	
4,4'-DDE	1	6.16	6.11	6.21	13.7	2.2
	2	5.30	5.25	5.35	13.4	
Dieldrin	1	6.31	6.26	6.36	13.5	1.5
	2	5.43	5.38	5.48	13.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169772BS

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3155

Lab Sample ID: PB169772BS

Date(s) Analyzed: 09/22/2025 09/22/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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	6.66	6.61	6.71	16.6	3.7
	2	5.85	5.80	5.90	16.0	
4,4'-DDT	1	6.98	6.93	7.03	14.8	3.4
	2	6.10	6.05	6.15	14.3	
Aldrin	1	5.23	5.18	5.28	15.6	0.6
	2	4.29	4.24	4.34	15.5	
4,4'-DDE	1	6.16	6.11	6.21	16.3	4.4
	2	5.29	5.24	5.34	15.6	
Dieldrin	1	6.30	6.25	6.35	15.8	2.6
	2	5.43	5.38	5.48	15.4	



QC SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Tanner G. Duckrey Public School	Date Received:	
Client Sample ID:	PB169772BL	SDG No.:	Q3155
Lab Sample ID:	PB169772BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097319.D	1	09/22/25 08:41	09/22/25 13:30	PB169772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.8		20 - 144	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.3		19 - 148	76%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097319.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 13:30
Operator : AR\AJ
Sample : PB169772BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169772BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.819	67511522	100.3E6	14.913	15.258
28)	SA Decachlor...	9.005	7.983	54909775	83627646	16.781	14.693

Target Compounds

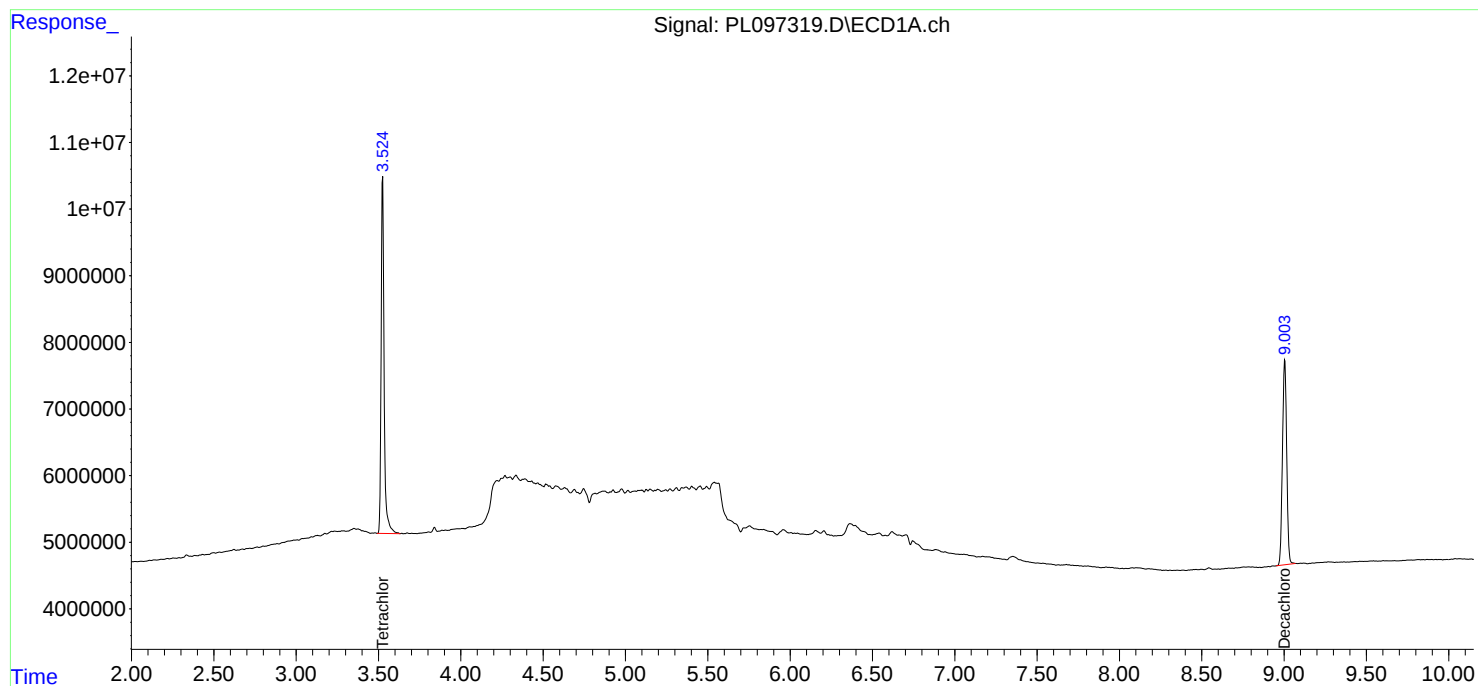
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

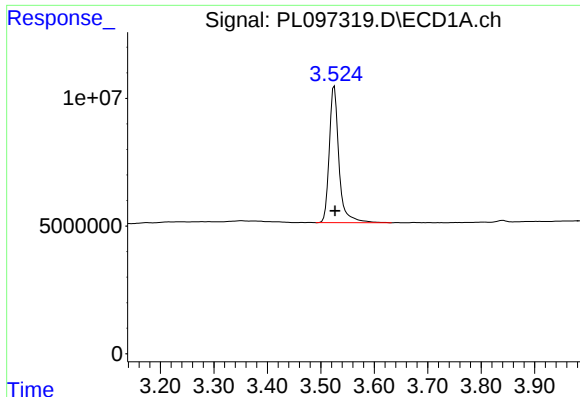
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097319.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 13:30
Operator : AR\AJ
Sample : PB169772BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169772BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

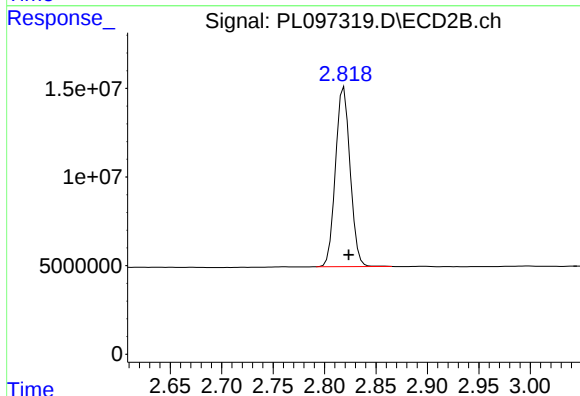




#1 Tetrachloro-m-xylene

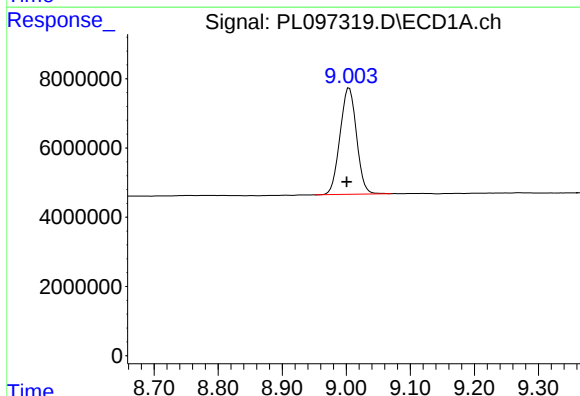
R.T.: 3.525 min
Delta R.T.: -0.002 min
Response: 67511522
Conc: 14.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169772BL



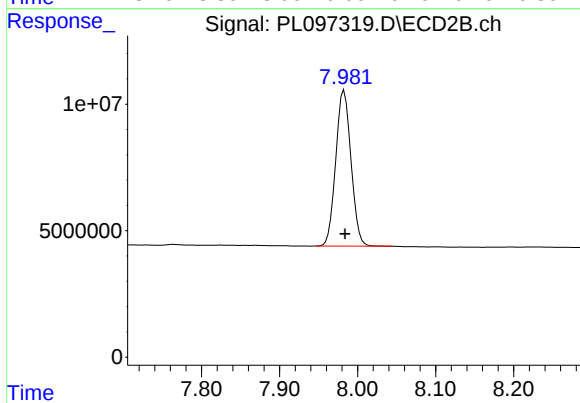
#1 Tetrachloro-m-xylene

R.T.: 2.819 min
Delta R.T.: -0.004 min
Response: 100330819
Conc: 15.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: 0.004 min
Response: 54909775
Conc: 16.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: -0.001 min
Response: 83627646
Conc: 14.69 ng/ml

Report of Analysis

Client:	Kleinfelder			Date Collected:	09/18/25	
Project:	Tanner G. Duckrey Public School			Date Received:	09/18/25	
Client Sample ID:	PIBLK-PL097268.D			SDG No.:	Q3155	
Lab Sample ID:	I.BLK-PL097268.D			Matrix:	WATER	
Analytical Method:	8081B			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097268.D	1		09/18/25	PL092025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.3		57 - 171	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.0		61 - 148	80%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC 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_L\Data\PL092025\
Data File : PL097268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 16:25
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:42:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	70468568	105.0E6	15.566	15.973
28)	SA Decachlor...	9.001	7.984	56635933	97364753	17.308	17.107

Target Compounds

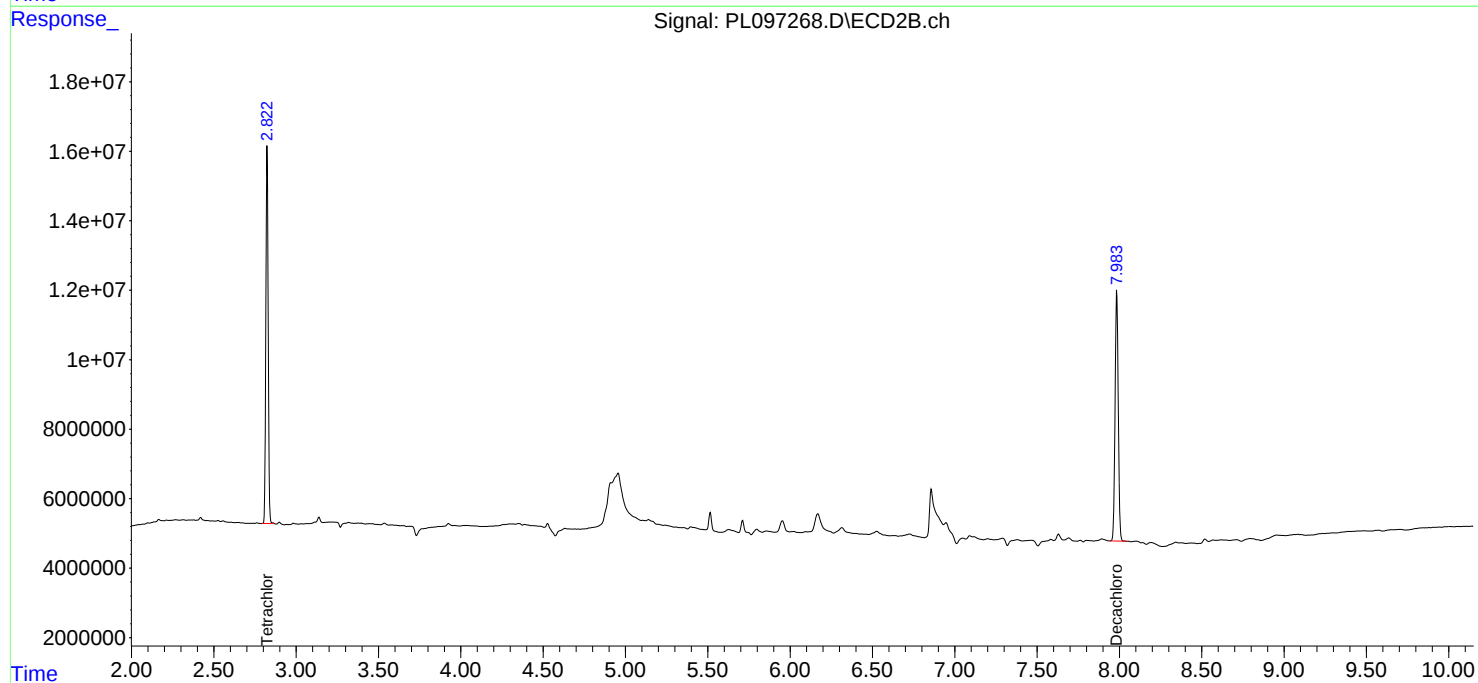
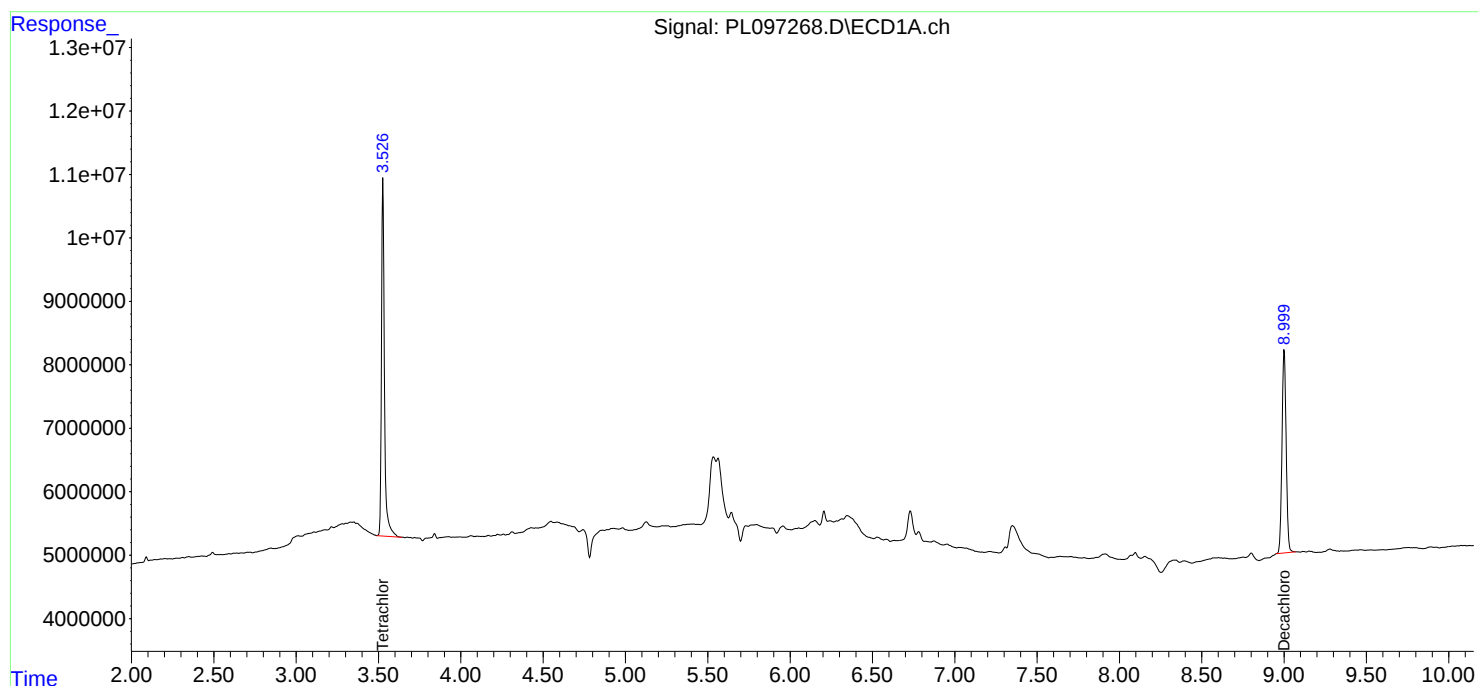
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

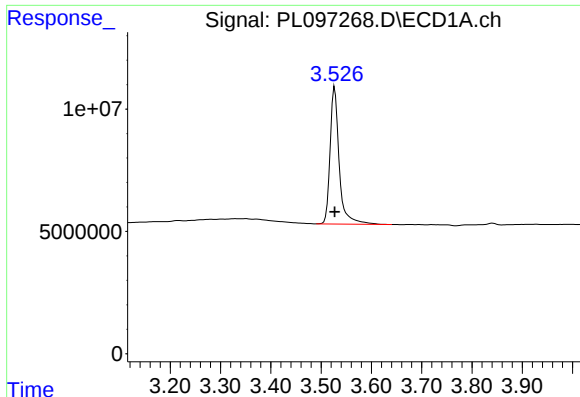
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092025\
Data File : PL097268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 16:25
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:42:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

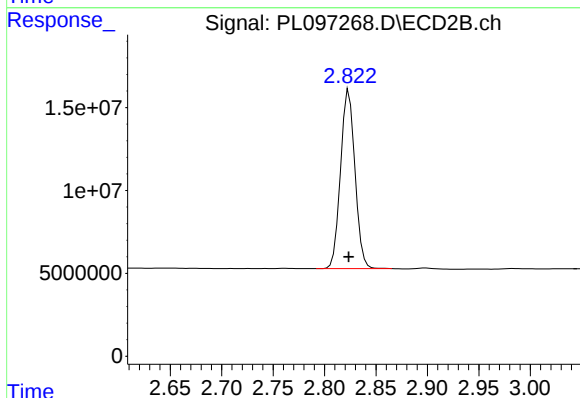




#1 Tetrachloro-m-xylene

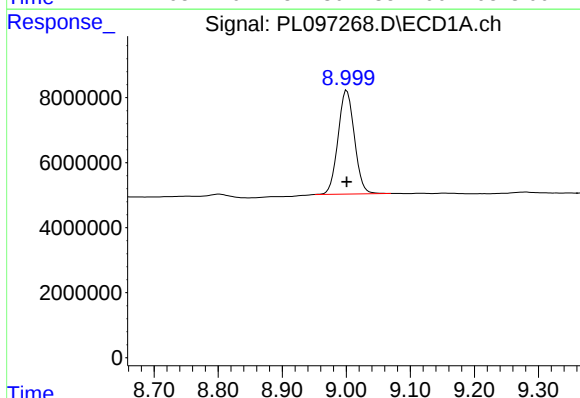
R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 70468568
Conc: 15.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



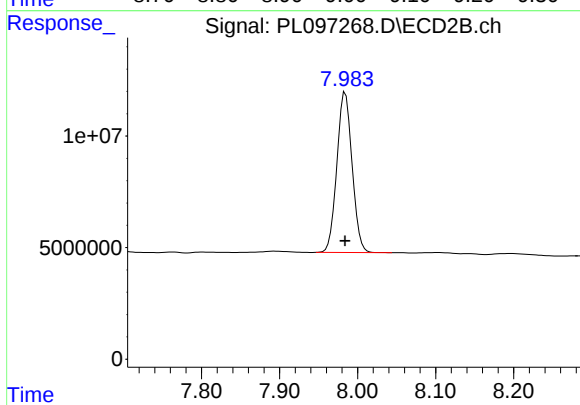
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 105031523
Conc: 15.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.001 min
Delta R.T.: 0.000 min
Response: 56635933
Conc: 17.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 97364753
Conc: 17.11 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	09/22/25
Project:	Tanner G. Duckrey Public School	Date Received:	09/22/25
Client Sample ID:	PIBLK-PL097315.D	SDG No.:	Q3155
Lab Sample ID:	I.BLK-PL097315.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097315.D	1		09/22/25	pl092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		61 - 148	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097315.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 11:06
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:45:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	79492803	123.2E6	17.559	18.741
28)	SA Decachlor...	8.998	7.982	67949064	105.9E6	20.766	18.605

Target Compounds

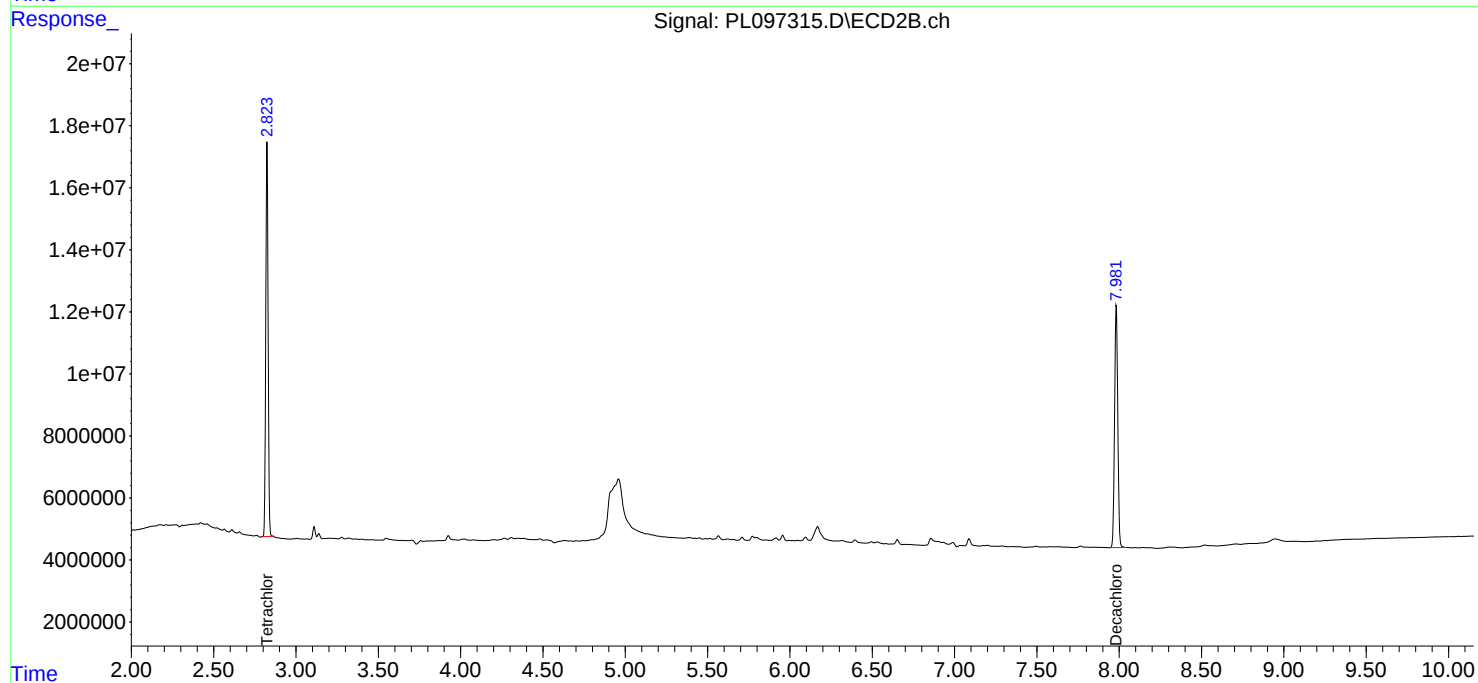
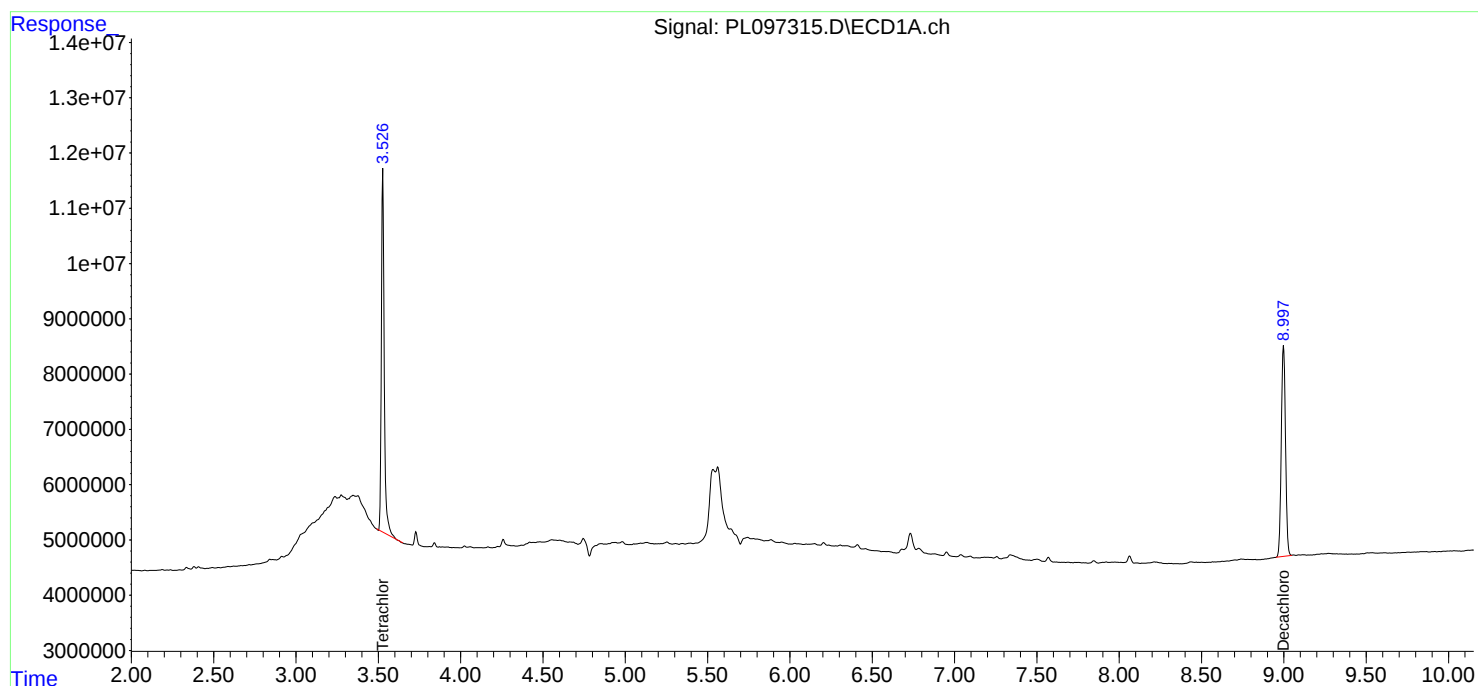
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

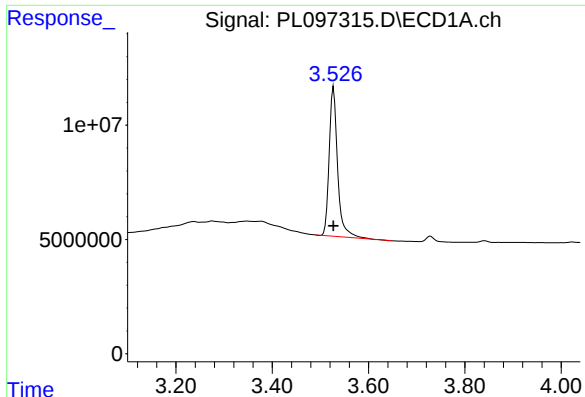
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 11:06
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:45:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

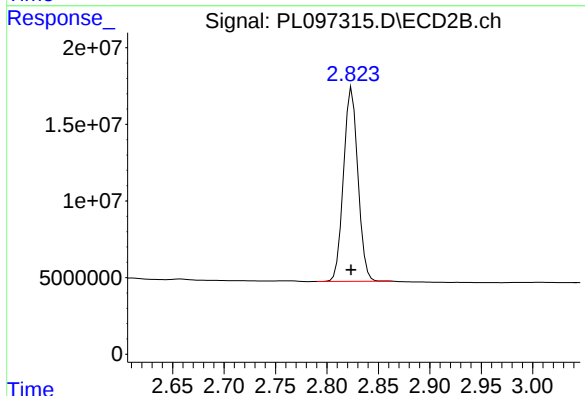




#1 Tetrachloro-m-xylene

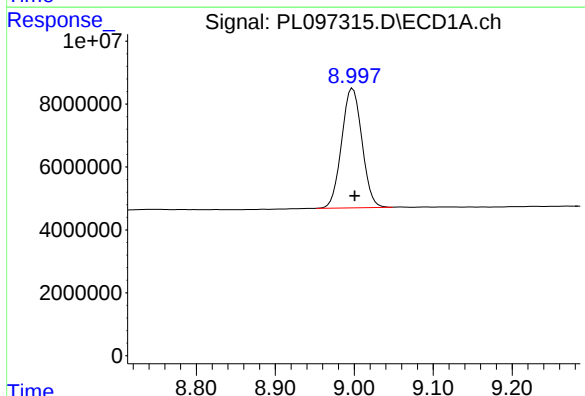
R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 79492803
Conc: 17.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



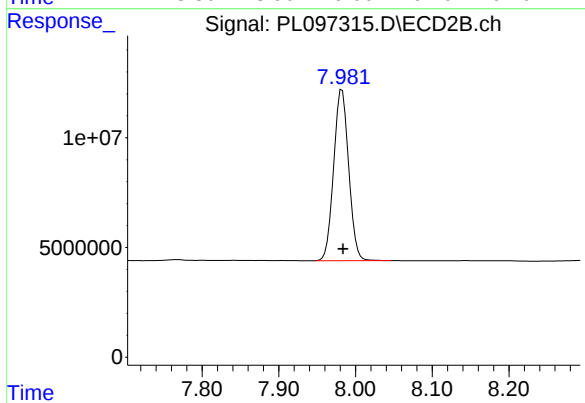
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 123234389
Conc: 18.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.003 min
Response: 67949064
Conc: 20.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 105894063
Conc: 18.61 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	09/22/25
Project:	Tanner G. Duckrey Public School	Date Received:	09/22/25
Client Sample ID:	PIBLK-PL097327.D	SDG No.:	Q3155
Lab Sample ID:	I.BLK-PL097327.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097327.D	1		09/22/25	pl092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		57 - 171	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		61 - 148	93%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 17:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:47:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	84311640	122.3E6	18.624	18.599
28)	SA Decachlor...	9.000	7.983	66073819	98546486	20.192	17.314

Target Compounds

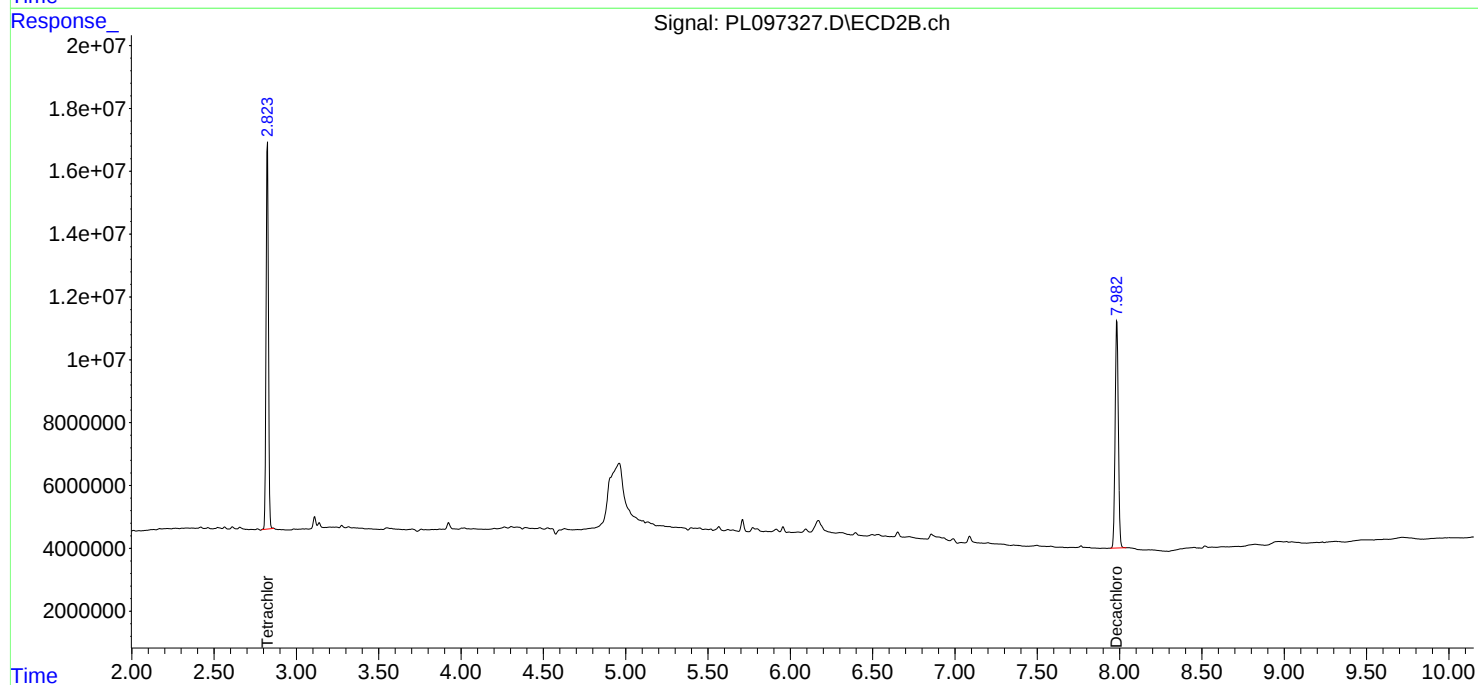
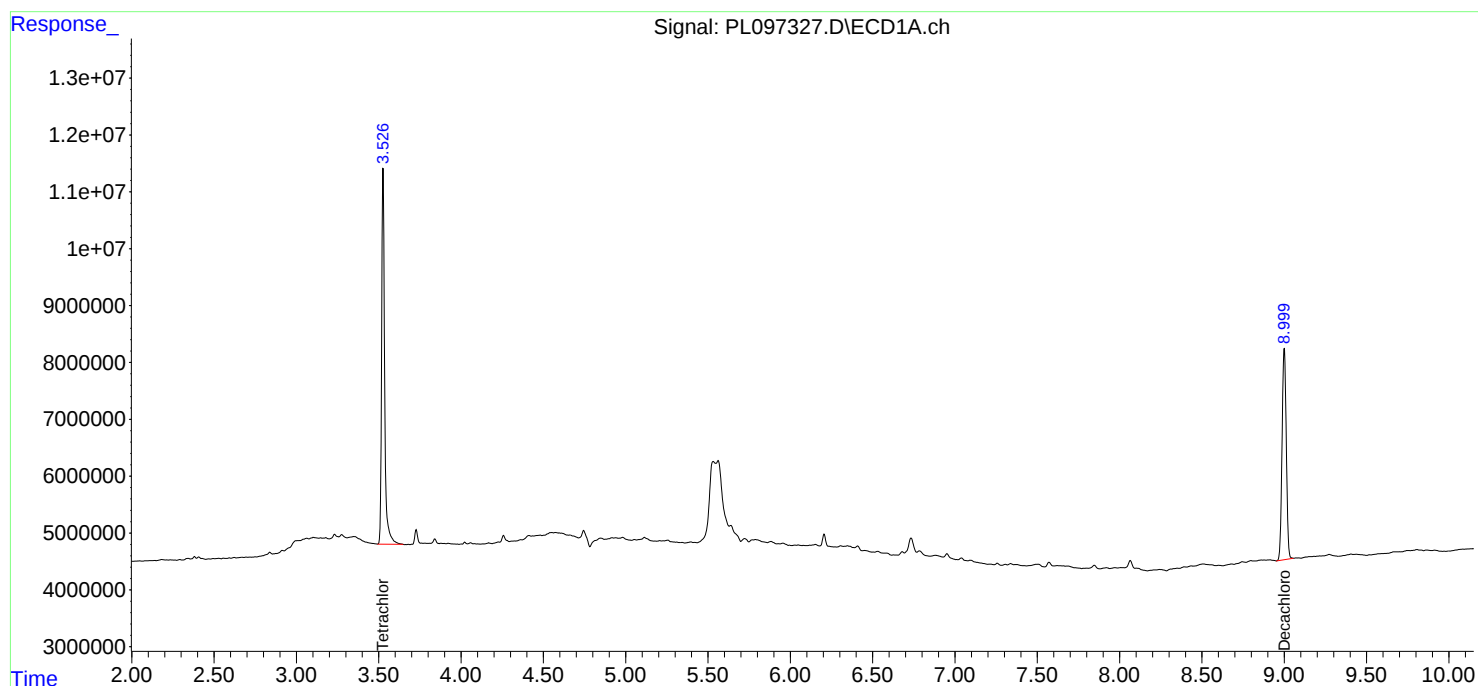
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

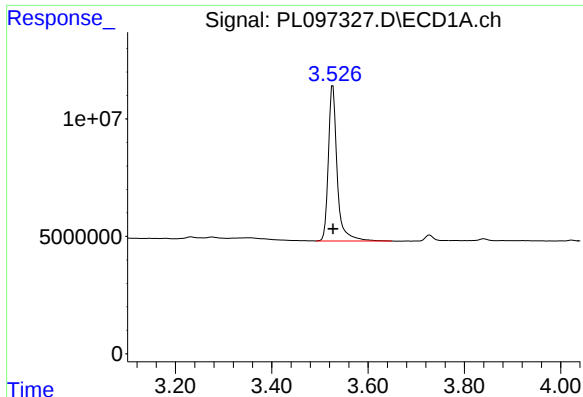
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 17:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:47:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

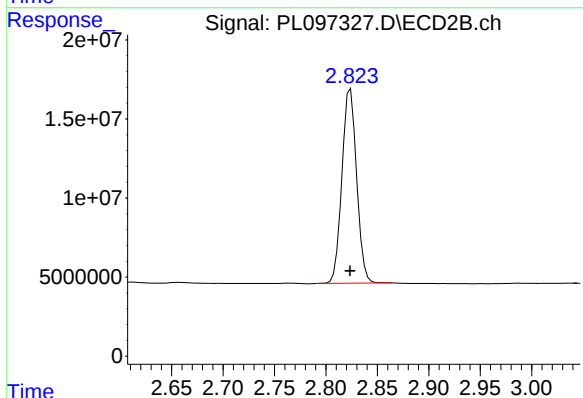




#1 Tetrachloro-m-xylene

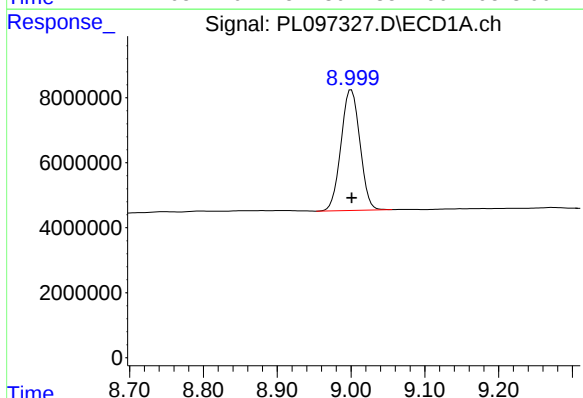
R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 84311640
Conc: 18.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



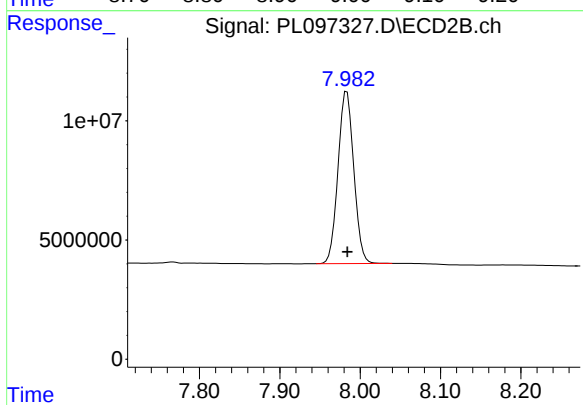
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 122301082
Conc: 18.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 66073819
Conc: 20.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: 0.000 min
Response: 98546486
Conc: 17.31 ng/ml

Report of Analysis

Client:	Kleinfelder			Date Collected:	09/22/25	
Project:	Tanner G. Duckrey Public School			Date Received:	09/22/25	
Client Sample ID:	PIBLK-PL097339.D			SDG No.:	Q3155	
Lab Sample ID:	I.BLK-PL097339.D			Matrix:	WATER	
Analytical Method:	8081B			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097339.D	1		09/22/25	pl092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.0		57 - 171	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		61 - 148	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC 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_L\Data\PL092225\
Data File : PL097339.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 20:41
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:49:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	82711967	124.4E6	18.270	18.913
28)	SA Decachlor...	8.999	7.983	68660624	109.3E6	20.983	19.202

Target Compounds

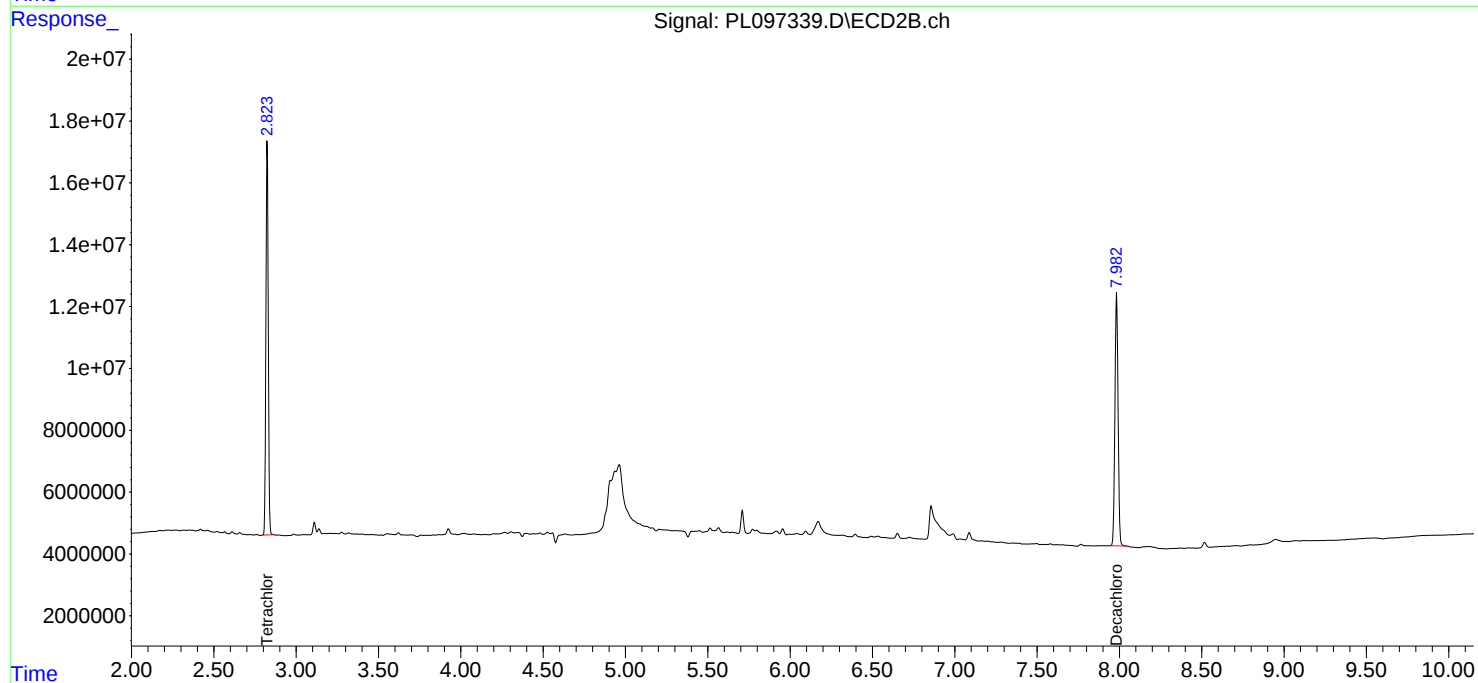
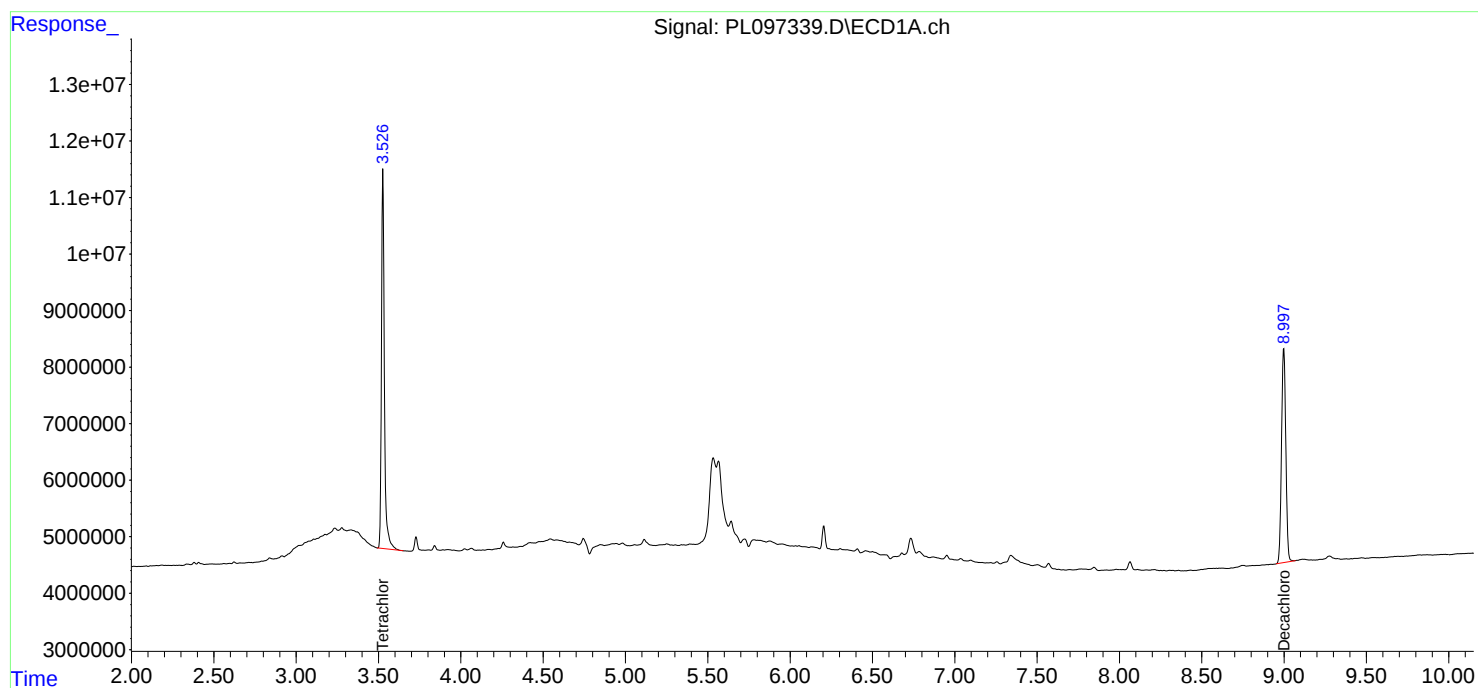
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

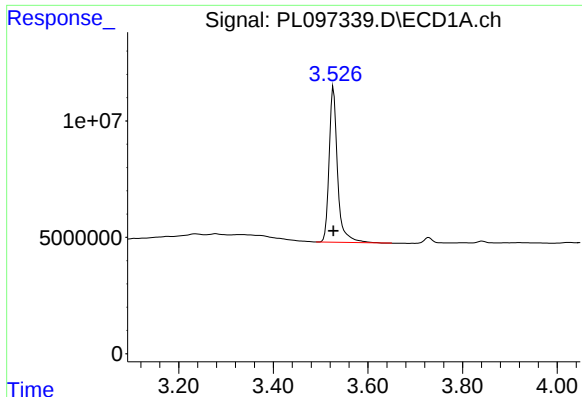
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097339.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 20:41
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:49:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

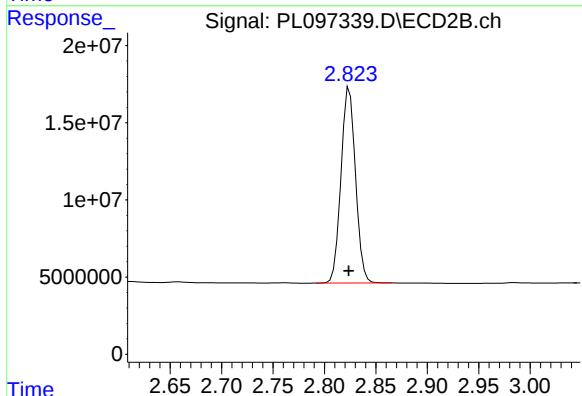




#1 Tetrachloro-m-xylene

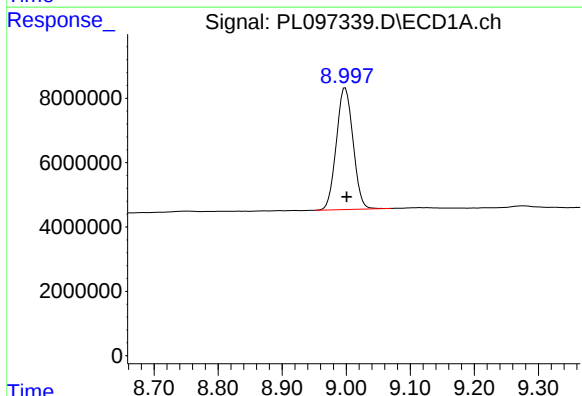
R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 82711967
Conc: 18.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



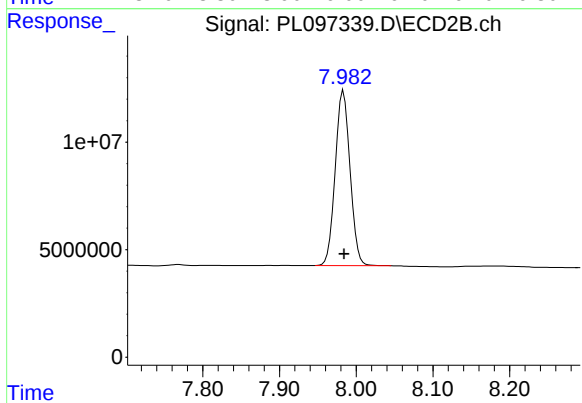
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 124360641
Conc: 18.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.999 min
Delta R.T.: -0.002 min
Response: 68660624
Conc: 20.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: 0.000 min
Response: 109291468
Conc: 19.20 ng/ml

Report of Analysis

Client:	Kleinfelder	Date Collected:	09/23/25
Project:	Tanner G. Duckrey Public School	Date Received:	09/23/25
Client Sample ID:	PIBLK-PL097354.D	SDG No.:	Q3155
Lab Sample ID:	I.BLK-PL097354.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097354.D	1		09/23/25	pl092225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		61 - 148	93%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097354.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 00:32
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:51:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.824	81964806	122.4E6	18.105	18.621
28)	SA Decachlor...	9.000	7.983	67978796	99090184	20.775	17.410

Target Compounds

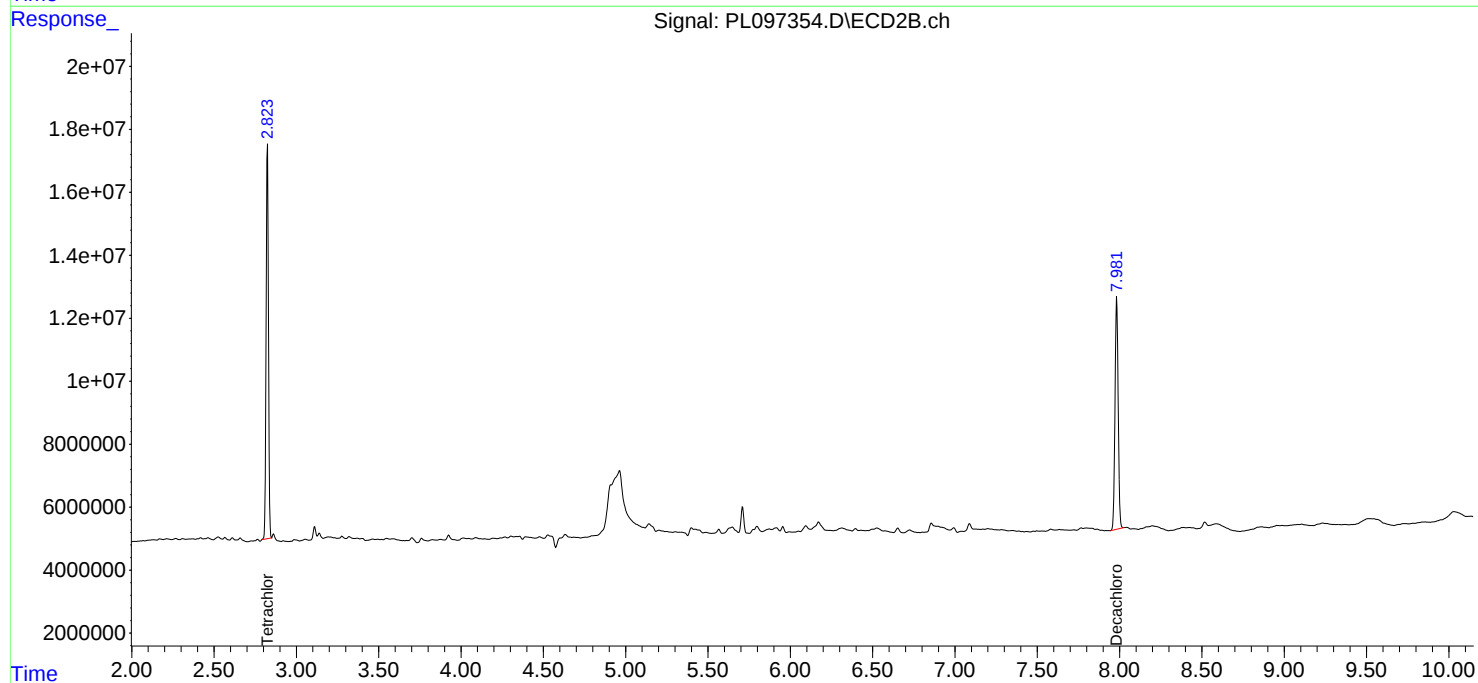
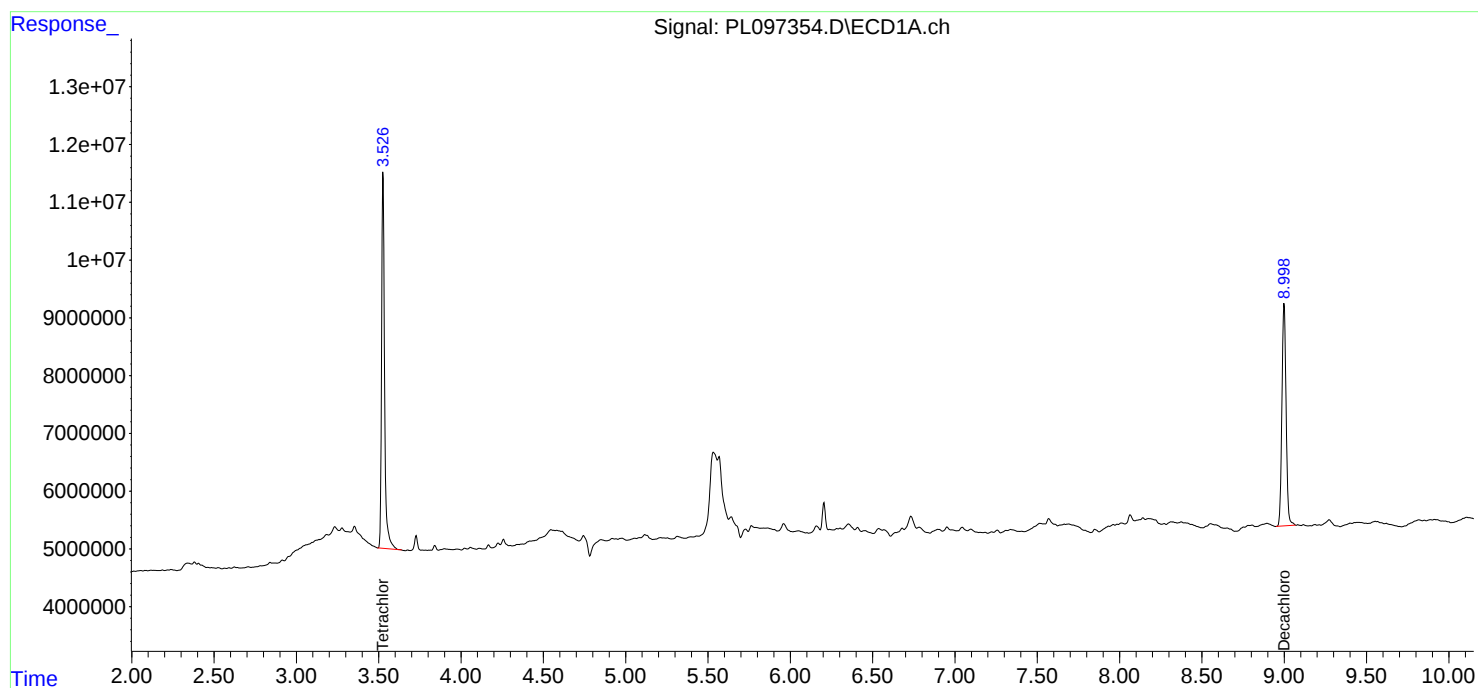
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 00:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:51:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

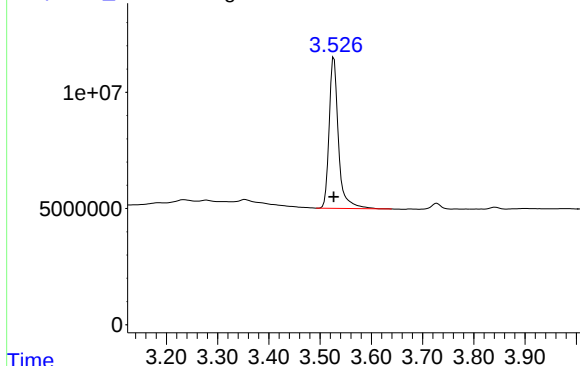


Response_ Signal: PL097354.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 81964806
Conc: 18.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

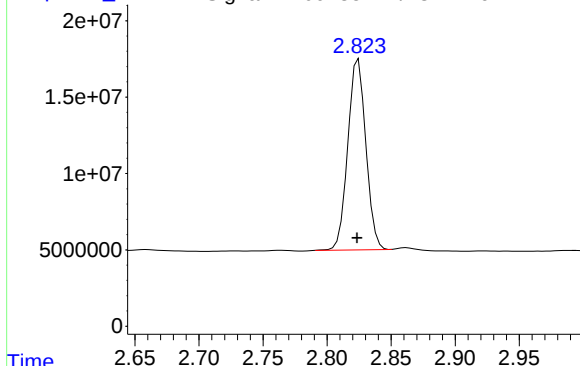


Time

Response_ Signal: PL097354.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.001 min
Response: 122444037
Conc: 18.62 ng/ml

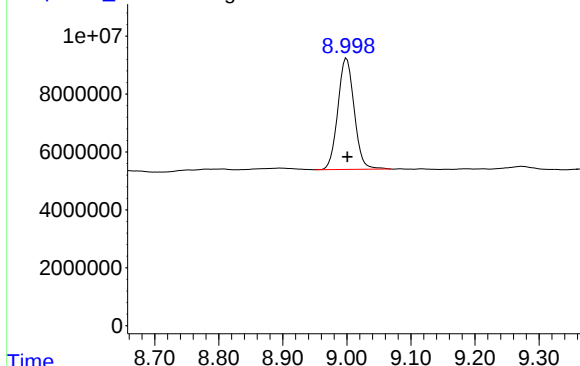


Time

Response_ Signal: PL097354.D\ECD1A.ch

#28 Decachlorobiphenyl

R.T.: 9.000 min
Delta R.T.: -0.001 min
Response: 67978796
Conc: 20.77 ng/ml

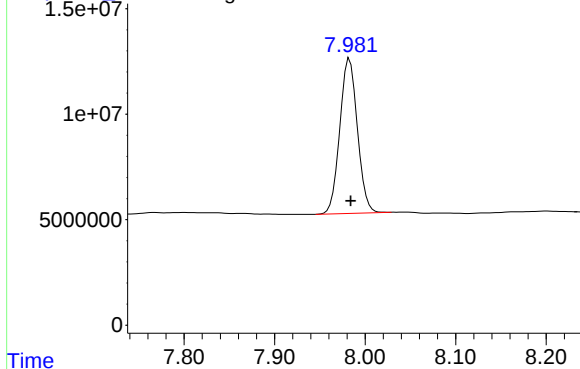


Time

Response_ Signal: PL097354.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: -0.001 min
Response: 99090184
Conc: 17.41 ng/ml



Time

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Tanner G. Duckrey Public School	Date Received:	
Client Sample ID:	PB169772BS	SDG No.:	Q3155
Lab Sample ID:	PB169772BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097320.D	1	09/22/25 08:41	09/22/25 13:44	PB169772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	15.6		0.12	1.70	ug/kg
60-57-1	Dieldrin	15.8		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.3		0.14	1.70	ug/kg
72-54-8	4,4-DDD	16.6		0.15	1.70	ug/kg
50-29-3	4,4-DDT	14.8		0.14	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.4		20 - 144	127%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		19 - 148	118%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097320.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 13:44
 Operator : AR\AJ
 Sample : PB169772BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169772BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:46:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.822	106.2E6	155.1E6	23.458	23.583
28)	SA Decachlor...	9.000	7.982	83047038	128.0E6	25.380	22.481
Target Compounds							
2)	A alpha-BHC	3.973	3.327	326.2E6	467.4E6	46.684	46.941
3)	MA gamma-BHC...	4.301	3.659	307.1E6	434.8E6	46.443	46.681
4)	MA Heptachlor	4.891	4.006	308.0E6	418.5E6	46.173	44.978
5)	MB Aldrin	5.231	4.288	296.3E6	404.1E6	46.775	46.562
6)	B beta-BHC	4.488	3.955	126.4E6	181.4E6	46.353	44.647
7)	B delta-BHC	4.732	4.187	288.6E6	421.9E6	47.561m	45.894
8)	B Heptachlo...	5.650	4.790	272.9E6	367.0E6	47.481	46.273
9)	A Endosulfan I	6.032	5.161	244.7E6	348.6E6	47.233	45.372
10)	B gamma-Chl...	5.904	5.042	270.6E6	401.8E6	47.858	46.010
11)	B alpha-Chl...	5.984	5.106	267.1E6	386.8E6	47.025	46.596
12)	B 4,4'-DDE	6.155	5.294	232.8E6	360.0E6	48.856	46.846
13)	MA Dieldrin	6.304	5.425	260.2E6	378.7E6	47.467	46.311
14)	MA Endrin	6.530	5.700	199.1E6	319.8E6	43.161	42.586
15)	B Endosulfa...	6.744	5.992	220.6E6	324.7E6	44.860	45.670
16)	A 4,4'-DDD	6.664	5.846	187.3E6	309.8E6	49.682	48.036m
17)	MA 4,4'-DDT	6.978	6.099	187.9E6	297.2E6	44.457	42.947
18)	B Endrin al...	6.873	6.170	157.0E6	246.4E6	50.942	46.168
19)	B Endosulfa...	7.106	6.393	191.6E6	306.4E6	46.926	44.727
20)	A Methoxychlor	7.451	6.672	90238944	151.2E6	43.272	40.103
21)	B Endrin ke...	7.586	6.897	207.1E6	340.9E6	48.786	45.271
22)	Mirex	8.063	7.087	158.0E6	255.8E6	44.511	42.793

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 13:44
Operator : AR\AJ
Sample : PB169772BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB169772BS

Manual Integrations

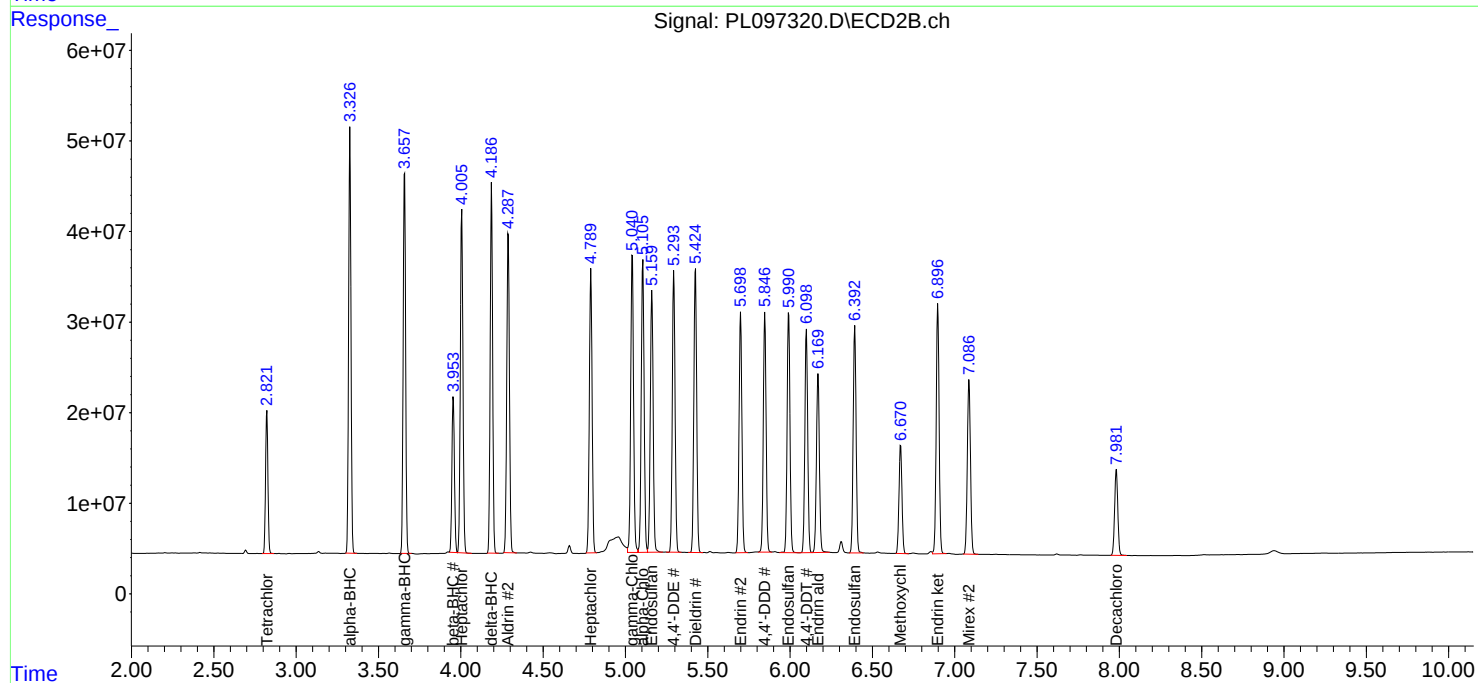
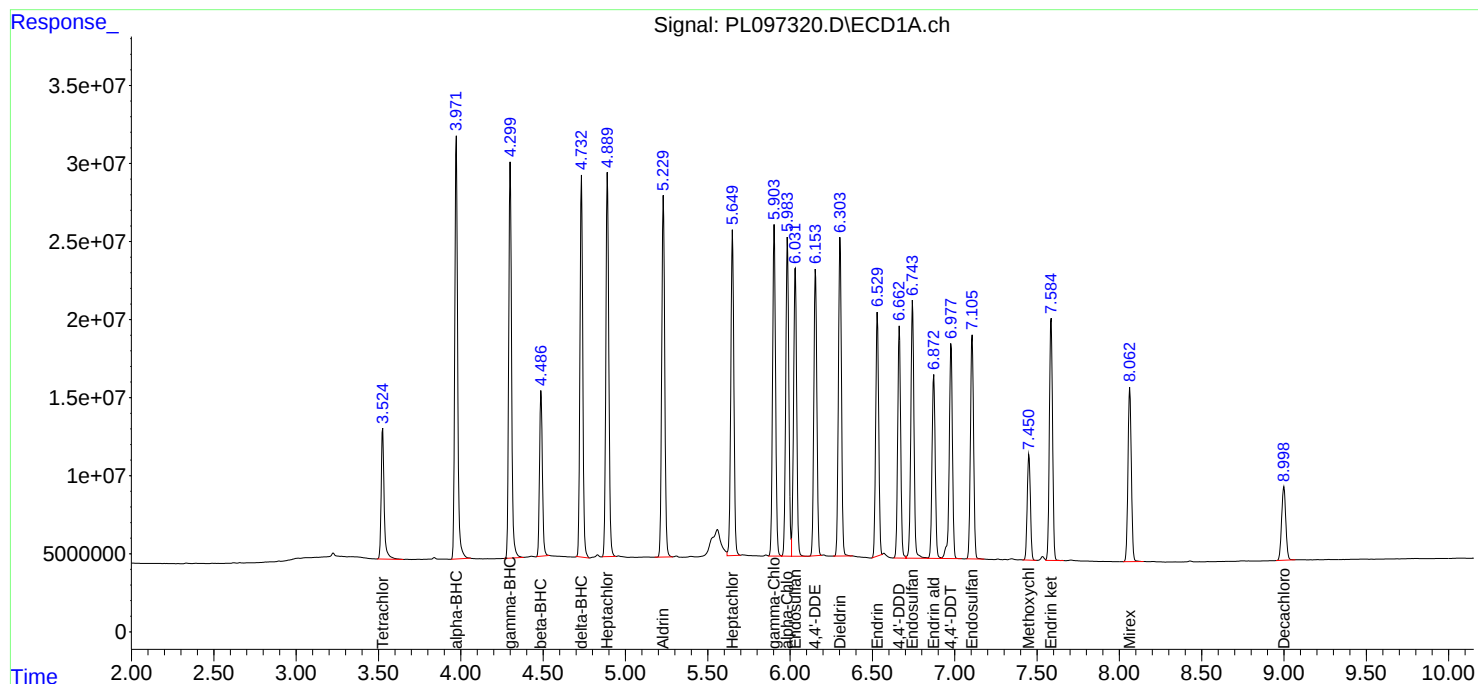
APPROVED

Reviewed By :Abdul Mirza 09/23/2025

Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:46:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



Report of Analysis

Client:	Kleinfelder	Date Collected:	09/19/25
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	OR-500-COMP-39MS	SDG No.:	Q3155
Lab Sample ID:	Q3153-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	93 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097347.D	1	09/22/25 08:41	09/22/25 22:57	PB169772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	13.7		0.13	1.80	ug/kg
60-57-1	Dieldrin	13.7		0.15	1.80	ug/kg
72-55-9	4,4-DDE	13.9		0.15	1.80	ug/kg
72-54-8	4,4-DDD	14.8		0.16	1.80	ug/kg
50-29-3	4,4-DDT	12.7		0.15	1.80	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	65%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.4		19 - 148	77%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097347.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 22:57
 Operator : AR\AJ
 Sample : Q3153-01MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OR-500-COMP-39MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/23/2025
 Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:50:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.825	67852022	101.5E6	14.988m	15.438
28)	SA Decachlor...	9.000	7.984	42801646	65616513	13.080	11.529
Target Compounds							
2)	A alpha-BHC	3.975	3.330	272.1E6	389.9E6	38.936	39.152
3)	MA gamma-BHC...	4.302	3.661	255.6E6	359.9E6	38.653	38.634
4)	MA Heptachlor	4.893	4.009	251.7E6	348.9E6	37.739	37.499
5)	MB Aldrin	5.232	4.291	242.7E6	331.9E6	38.314	38.238
6)	B beta-BHC	4.490	3.958	105.2E6	152.6E6	38.585	37.568
7)	B delta-BHC	4.734	4.190	239.4E6	344.4E6	39.451m	37.462
8)	B Heptachlo...	5.651	4.793	227.0E6	301.0E6	39.507	37.943
9)	A Endosulfan I	6.033	5.164	201.8E6	278.4E6	38.956	36.233
10)	B gamma-Chl...	5.905	5.044	220.7E6	328.1E6	39.032	37.562
11)	B alpha-Chl...	5.985	5.109	219.7E6	315.5E6	38.673	38.013
12)	B 4,4'-DDE	6.156	5.297	184.8E6	289.2E6	38.782	37.630
13)	MA Dieldrin	6.305	5.428	209.9E6	307.7E6	38.295	37.631
14)	MA Endrin	6.531	5.703	170.4E6	271.3E6	36.935	36.121
15)	B Endosulfa...	6.745	5.994	170.1E6	260.6E6	34.593	36.664
16)	A 4,4'-DDD	6.664	5.850	155.9E6	235.2E6	41.341	36.474
17)	MA 4,4'-DDT	6.979	6.102	149.9E6	230.9E6	35.458	33.367
18)	B Endrin al...	6.873	6.173	129.5E6	201.5E6	42.004	37.762
19)	B Endosulfa...	7.107	6.396	156.3E6	243.4E6	38.278	35.535
20)	A Methoxychlor	7.451	6.674	72821769	126.0E6	34.920	33.418
21)	B Endrin ke...	7.586	6.900	163.0E6	264.6E6	38.399	35.142
22)	Mirex	8.064	7.089	127.3E6	206.1E6	35.850	34.471

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097347.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 22:57
Operator : AR\AJ
Sample : Q3153-01MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

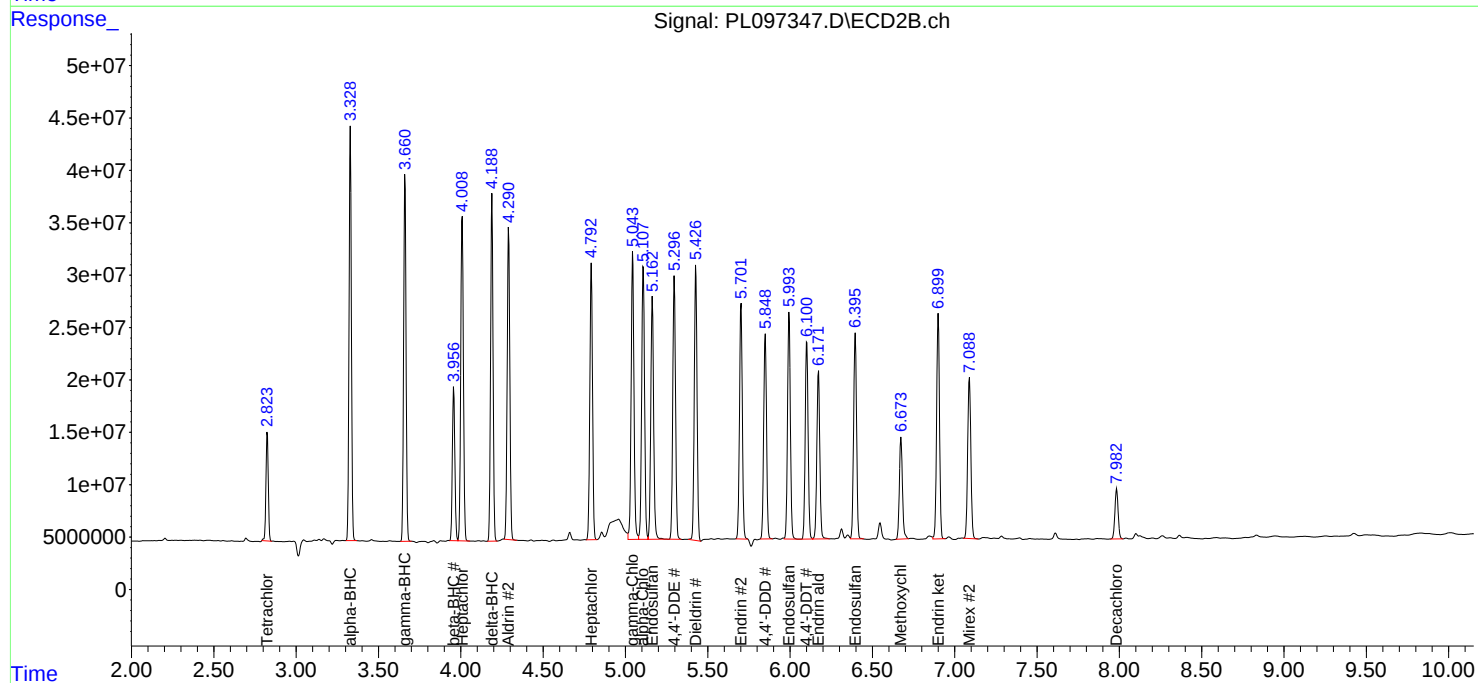
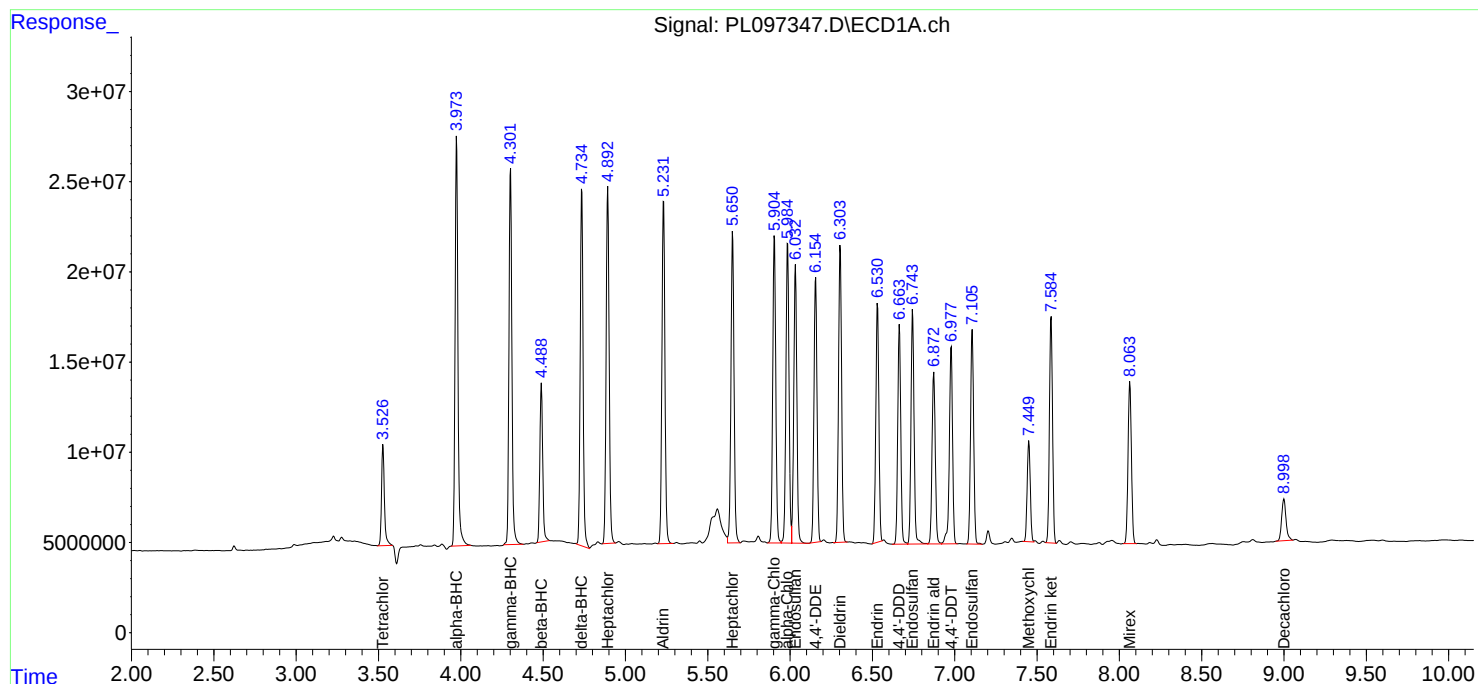
Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:50:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



Report of Analysis

Client:	Kleinfelder	Date Collected:	09/19/25
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	OR-500-COMP-39MSD	SDG No.:	Q3155
Lab Sample ID:	Q3153-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	93
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097348.D	1	09/22/25 08:41	09/22/25 23:11	PB169772

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	13.6		0.13	1.80	ug/kg
60-57-1	Dieldrin	13.5		0.15	1.80	ug/kg
72-55-9	4,4-DDE	13.7		0.15	1.80	ug/kg
72-54-8	4,4-DDD	14.6		0.16	1.80	ug/kg
50-29-3	4,4-DDT	12.4		0.15	1.80	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.9		20 - 144	64%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.4		19 - 148	77%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097348.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 23:11
 Operator : AR\AJ
 Sample : Q3153-01MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OR-500-COMP-39MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:50:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.825	67261866	101.6E6	14.857m	15.448
2)	SA Decachlor...	9.000	7.983	42166111	65305002	12.886	11.474
Target Compounds							
2)	A alpha-BHC	3.974	3.330	270.2E6	389.0E6	38.672	39.069
3)	MA gamma-BHC...	4.302	3.661	254.5E6	358.4E6	38.482	38.481
4)	MA Heptachlor	4.893	4.009	249.7E6	347.1E6	37.443	37.298
5)	MB Aldrin	5.232	4.291	241.1E6	330.8E6	38.057	38.116
6)	B beta-BHC	4.489	3.957	104.7E6	152.2E6	38.400	37.463
7)	B delta-BHC	4.733	4.189	236.8E6	343.3E6	39.023m	37.342
8)	B Heptachlo...	5.651	4.793	223.9E6	299.5E6	38.965	37.756
9)	A Endosulfan I	6.033	5.163	200.0E6	276.9E6	38.592	36.041
10)	B gamma-Chl...	5.904	5.044	219.3E6	327.1E6	38.786	37.447
11)	B alpha-Chl...	5.985	5.108	217.5E6	314.2E6	38.290	37.849
12)	B 4,4'-DDE	6.155	5.296	182.7E6	287.4E6	38.345	37.402
13)	MA Dieldrin	6.305	5.427	207.7E6	304.9E6	37.889	37.294
14)	MA Endrin	6.531	5.702	168.4E6	269.2E6	36.494	35.847
15)	B Endosulfa...	6.745	5.994	166.7E6	260.4E6	33.896	36.625
16)	A 4,4'-DDD	6.664	5.849	154.1E6	233.0E6	40.861	36.131
17)	MA 4,4'-DDT	6.978	6.101	147.0E6	227.4E6	34.780	32.852
18)	B Endrin al...	6.873	6.172	127.1E6	199.0E6	41.221	37.289
19)	B Endosulfa...	7.107	6.395	153.0E6	240.9E6	37.484	35.168
20)	A Methoxychlor	7.451	6.674	71507940	124.0E6	34.290	32.890
21)	B Endrin ke...	7.586	6.899	161.1E6	261.4E6	37.964	34.715
22)	Mirex	8.064	7.089	127.4E6	204.0E6	35.896	34.119

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097348.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 23:11
Operator : AR\AJ
Sample : Q3153-01MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

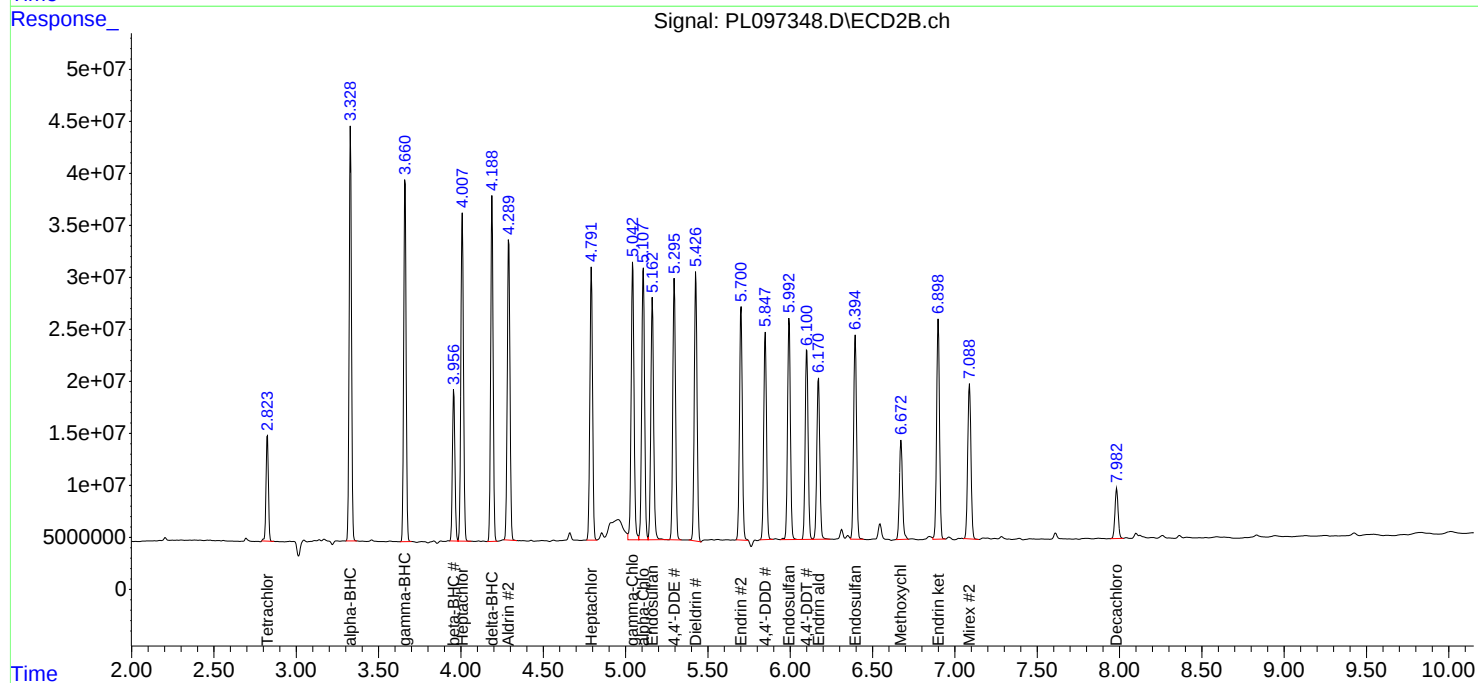
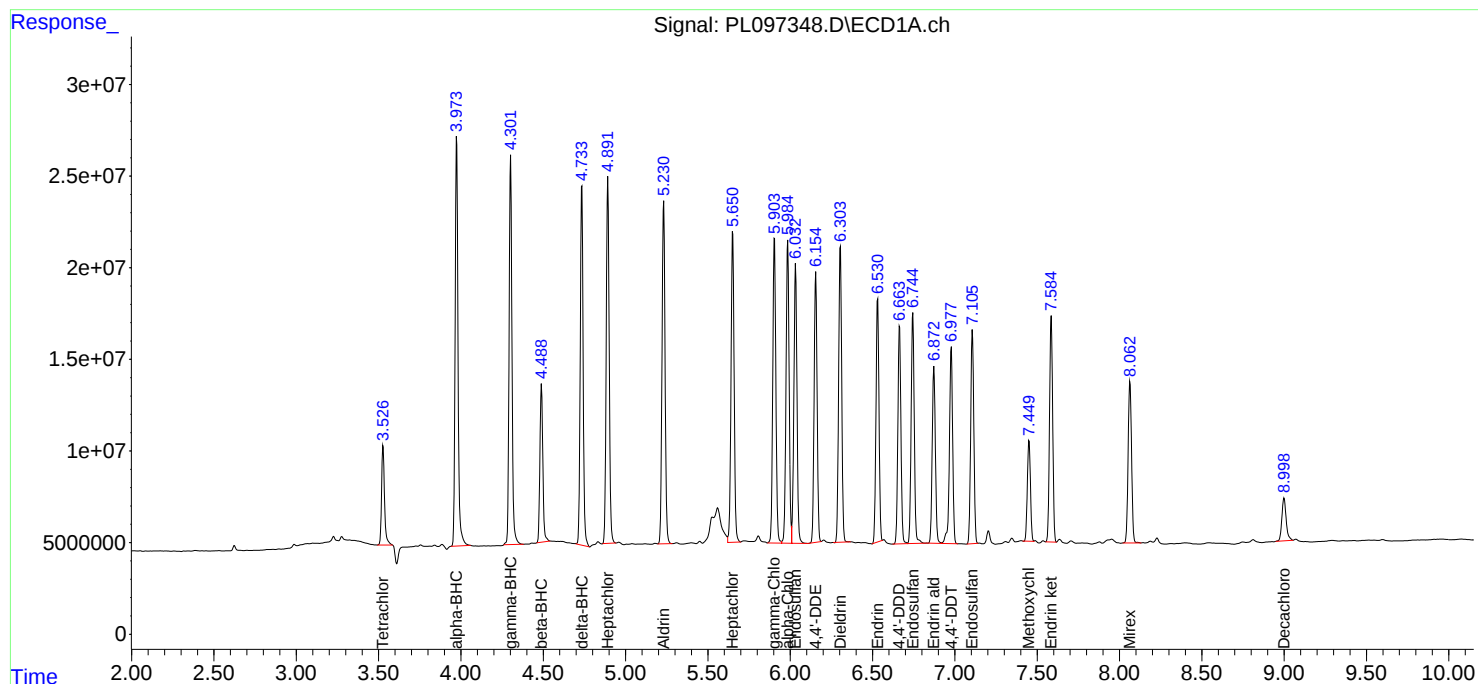
Instrument :
ECD_L
ClientSampleId :
OR-500-COMP-39MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:50:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm



Manual Integration Report

Sequence:	PL092025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097269.D	4,4"-DDD	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	4,4"-DDD #2	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	Endrin aldehyde	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	Endrin aldehyde #2	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	Endrin ketone	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PEM	PL097269.D	Endrin ketone #2	Abdul	9/19/2025 11:23:24 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	alpha-Chlordane #2	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	delta-BHC	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	Endosulfan II	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	Endrin aldehyde #2	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	Endrin ketone #2	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	gamma-Chlordane #2	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICC005	PL097275.D	Heptachlor epoxide	Abdul	9/19/2025 11:23:27 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software

Manual Integration Report

Sequence:

PL092025

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICV050	PL097286.D	4,4"-DDD	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	4,4"-DDE	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	4,4"-DDE #2	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	alpha-Chlordane	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	delta-BHC	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Dieldrin #2	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Endosulfan I	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Endosulfan II	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Endrin	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Endrin ketone #2	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	gamma-Chlordane	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Heptachlor epoxide	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PSTDICV050	PL097286.D	Heptachlor epoxide #2	Abdul	9/22/2025 9:04:29 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software

Manual Integration Report

Sequence:

PL092025

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORICV500	PL097287.D	Chlordane-2	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PCHLORICV500	PL097287.D	Chlordane-3	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PCHLORICV500	PL097287.D	Chlordane-4	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PCHLORICV500	PL097287.D	Chlordane-4 #2	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PCHLORICV500	PL097287.D	Chlordane-5	Abdul	9/22/2025 9:04:32 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software
PTOXICV500	PL097288.D	Toxaphene-1 #2	Abdul	9/22/2025 9:04:35 AM	mohammad	9/23/2025 1:17:52	Peak Integrated by Software

Manual Integration Report

Sequence:	pl092225	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097316.D	Endrin aldehyde	Abdul	9/23/2025 8:41:59 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
PSTDCCC050	PL097317.D	delta-BHC	Abdul	9/23/2025 8:42:03 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
PB169772BS	PL097320.D	4,4"-DDD #2	Abdul	9/23/2025 8:42:10 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
PB169772BS	PL097320.D	delta-BHC	Abdul	9/23/2025 8:42:10 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
PSTDCCC050	PL097328.D	delta-BHC	Abdul	9/23/2025 8:42:21 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
PEM	PL097340.D	Endrin aldehyde	Abdul	9/23/2025 8:43:27 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
PSTDCCC050	PL097341.D	4,4"-DDE #2	Abdul	9/23/2025 8:43:30 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
PSTDCCC050	PL097341.D	delta-BHC	Abdul	9/23/2025 8:43:30 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3153-01MS	PL097347.D	delta-BHC	Abdul	9/23/2025 8:43:48 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3153-01MS	PL097347.D	Tetrachloro-m-xylene	Abdul	9/23/2025 8:43:48 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3153-01MSD	PL097348.D	delta-BHC	Abdul	9/23/2025 8:43:52 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3153-01MSD	PL097348.D	Tetrachloro-m-xylene	Abdul	9/23/2025 8:43:52 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-01	PL097350.D	4,4"-DDD #2	Abdul	9/23/2025 8:44:00 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software

Manual Integration Report

Sequence:	pl092225	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3155-01	PL097350.D	4,4"-DDT	Abdul	9/23/2025 8:44:00 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-01	PL097350.D	alpha-Chlordane	Abdul	9/23/2025 8:44:00 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-01	PL097350.D	alpha-Chlordane #2	Abdul	9/23/2025 8:44:00 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-01	PL097350.D	Decachlorobiphenyl	Abdul	9/23/2025 8:44:00 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-01	PL097350.D	Decachlorobiphenyl #2	Abdul	9/23/2025 8:44:00 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-01	PL097350.D	Dieldrin	Abdul	9/23/2025 8:44:00 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-01	PL097350.D	Tetrachloro-m-xylene	Abdul	9/23/2025 8:44:00 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-02	PL097351.D	4,4"-DDD #2	Abdul	9/23/2025 8:44:04 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-02	PL097351.D	alpha-Chlordane	Abdul	9/23/2025 8:44:04 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-02	PL097351.D	alpha-Chlordane #2	Abdul	9/23/2025 8:44:04 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-02	PL097351.D	Decachlorobiphenyl	Abdul	9/23/2025 8:44:04 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-02	PL097351.D	Decachlorobiphenyl #2	Abdul	9/23/2025 8:44:04 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-02	PL097351.D	Dieldrin	Abdul	9/23/2025 8:44:04 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software

Manual Integration Report

Sequence:

pl092225

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3155-02	PL097351.D	gamma-Chlordane	Abdul	9/23/2025 8:44:04 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-02	PL097351.D	gamma-Chlordane #2	Abdul	9/23/2025 8:44:04 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-02	PL097351.D	Tetrachloro-m-xylene	Abdul	9/23/2025 8:44:04 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-03	PL097352.D	alpha-Chlordane	Abdul	9/23/2025 8:44:09 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-03	PL097352.D	alpha-Chlordane #2	Abdul	9/23/2025 8:44:09 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-03	PL097352.D	Decachlorobiphenyl #2	Abdul	9/23/2025 8:44:09 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-03	PL097352.D	gamma-Chlordane	Abdul	9/23/2025 8:44:09 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
Q3155-03	PL097352.D	gamma-Chlordane #2	Abdul	9/23/2025 8:44:09 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software
PSTDCCC050	PL097355.D	delta-BHC	Abdul	9/23/2025 8:44:17 AM	mohammad	9/24/2025 2:25:05	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092025

Review By	Abdul	Review On	9/22/2025 9:04:56 AM
Supervise By	mohammad	Supervise On	9/23/2025 1:17:52 AM
SubDirectory	PL092025	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL097267.D	18 Sep 2025 16:11	AR\AJ	Ok
2	I.BLK	PL097268.D	18 Sep 2025 16:25	AR\AJ	Ok
3	PEM	PL097269.D	18 Sep 2025 16:39	AR\AJ	Ok,M
4	RESCHK	PL097270.D	18 Sep 2025 16:52	AR\AJ	Ok
5	PSTDICC100	PL097271.D	18 Sep 2025 17:06	AR\AJ	Ok
6	PSTDICC075	PL097272.D	18 Sep 2025 17:19	AR\AJ	Ok
7	PSTDICC050	PL097273.D	18 Sep 2025 17:33	AR\AJ	Ok
8	PSTDICC025	PL097274.D	18 Sep 2025 17:47	AR\AJ	Ok
9	PSTDICC005	PL097275.D	18 Sep 2025 18:00	AR\AJ	Ok,M
10	PCHLORICC1000	PL097276.D	18 Sep 2025 18:14	AR\AJ	Ok
11	PCHLORICC750	PL097277.D	18 Sep 2025 18:28	AR\AJ	Ok
12	PCHLORICC500	PL097278.D	18 Sep 2025 18:41	AR\AJ	Ok
13	PCHLORICC250	PL097279.D	18 Sep 2025 18:55	AR\AJ	Ok
14	PCHLORICC050	PL097280.D	18 Sep 2025 19:08	AR\AJ	Ok
15	PTOXICC1000	PL097281.D	18 Sep 2025 19:22	AR\AJ	Ok
16	PTOXICC750	PL097282.D	18 Sep 2025 19:35	AR\AJ	Ok,M
17	PTOXICC500	PL097283.D	18 Sep 2025 19:49	AR\AJ	Ok
18	PTOXICC250	PL097284.D	18 Sep 2025 20:03	AR\AJ	Ok
19	PTOXICC100	PL097285.D	18 Sep 2025 20:16	AR\AJ	Ok,M
20	PSTDICV050	PL097286.D	19 Sep 2025 08:39	AR\AJ	Ok,M
21	PCHLORICV500	PL097287.D	19 Sep 2025 08:52	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092025

Review By	Abdul	Review On	9/22/2025 9:04:56 AM
Supervise By	mohammad	Supervise On	9/23/2025 1:17:52 AM
SubDirectory	PL092025	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	PL097288.D	19 Sep 2025 09:25	AR\AJ	Ok,M
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M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092225

Review By	Abdul	Review On	9/23/2025 8:44:42 AM
Supervise By	mohammad	Supervise On	9/24/2025 2:25:05 AM
SubDirectory	PL092225	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	PL097314.D	22 Sep 2025 10:12	AR\AJ	Ok
2	I.BLK	PL097315.D	22 Sep 2025 11:06	AR\AJ	Ok
3	PEM	PL097316.D	22 Sep 2025 11:20	AR\AJ	Ok,M
4	PSTDCCC050	PL097317.D	22 Sep 2025 11:33	AR\AJ	Ok,M
5	PB169749BS	PL097318.D	22 Sep 2025 12:31	AR\AJ	Ok,M
6	PB169772BL	PL097319.D	22 Sep 2025 13:30	AR\AJ	Ok
7	PB169772BS	PL097320.D	22 Sep 2025 13:44	AR\AJ	Ok,M
8	Q3152-01	PL097321.D	22 Sep 2025 14:05	AR\AJ	Ok,M
9	Q3135-01	PL097322.D	22 Sep 2025 14:19	AR\AJ	Ok,M
10	Q3151-02	PL097323.D	22 Sep 2025 14:32	AR\AJ	Ok
11	PB169766BL	PL097324.D	22 Sep 2025 14:46	AR\AJ	Ok
12	Q3153-04	PL097325.D	22 Sep 2025 17:30	AR\AJ	Ok
13	Q3153-08	PL097326.D	22 Sep 2025 17:44	AR\AJ	Ok
14	I.BLK	PL097327.D	22 Sep 2025 17:58	AR\AJ	Ok
15	PSTDCCC050	PL097328.D	22 Sep 2025 18:11	AR\AJ	Ok,M
16	PB169766BS	PL097329.D	22 Sep 2025 18:25	AR\AJ	Not Ok
17	PB169766BSD	PL097330.D	22 Sep 2025 18:39	AR\AJ	Not Ok
18	PB169782BL	PL097331.D	22 Sep 2025 18:52	AR\AJ	Ok
19	PB169782BS	PL097332.D	22 Sep 2025 19:06	AR\AJ	Not Ok
20	Q3065-04	PL097333.D	22 Sep 2025 19:20	AR\AJ	Ok
21	Q3092-02	PL097334.D	22 Sep 2025 19:33	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092225

Review By	Abdul	Review On	9/23/2025 8:44:42 AM
Supervise By	mohammad	Supervise On	9/24/2025 2:25:05 AM
SubDirectory	PL092225	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	Q3092-02MS	PL097335.D	22 Sep 2025 19:47	AR\AJ	Ok,M
23	Q3092-02MSD	PL097336.D	22 Sep 2025 20:00	AR\AJ	Ok,M
24	PB169677TB	PL097337.D	22 Sep 2025 20:14	AR\AJ	Ok
25	PB169754TB	PL097338.D	22 Sep 2025 20:28	AR\AJ	Ok
26	I.BLK	PL097339.D	22 Sep 2025 20:41	AR\AJ	Ok
27	PEM	PL097340.D	22 Sep 2025 20:55	AR\AJ	Ok,M
28	PSTDCCC050	PL097341.D	22 Sep 2025 21:08	AR\AJ	Ok,M
29	Q3092-04	PL097342.D	22 Sep 2025 21:49	AR\AJ	Ok,M
30	Q3157-02	PL097343.D	22 Sep 2025 22:03	AR\AJ	Ok
31	Q3145-01	PL097344.D	22 Sep 2025 22:16	AR\AJ	Ok,M
32	Q3145-03	PL097345.D	22 Sep 2025 22:30	AR\AJ	Ok,M
33	Q3153-01	PL097346.D	22 Sep 2025 22:44	AR\AJ	Ok,M
34	Q3153-01MS	PL097347.D	22 Sep 2025 22:57	AR\AJ	Ok,M
35	Q3153-01MSD	PL097348.D	22 Sep 2025 23:11	AR\AJ	Ok,M
36	Q3153-05	PL097349.D	22 Sep 2025 23:24	AR\AJ	Ok,M
37	Q3155-01	PL097350.D	22 Sep 2025 23:38	AR\AJ	Ok,M
38	Q3155-02	PL097351.D	22 Sep 2025 23:52	AR\AJ	Ok,M
39	Q3155-03	PL097352.D	23 Sep 2025 00:05	AR\AJ	Ok,M
40	Q3157-01	PL097353.D	23 Sep 2025 00:19	AR\AJ	Ok,M
41	I.BLK	PL097354.D	23 Sep 2025 00:32	AR\AJ	Ok
42	PSTDCCC050	PL097355.D	23 Sep 2025 00:46	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092025

Review By	Abdul	Review On	9/22/2025 9:04:56 AM
Supervise By	mohammad	Supervise On	9/23/2025 1:17:52 AM
SubDirectory	PL092025	HP Acquire Method	HP Processing Method p092025 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24890,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P 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	PL097267.D	18 Sep 2025 16:11		AR\AJ	Ok
2	I.BLK	I.BLK	PL097268.D	18 Sep 2025 16:25		AR\AJ	Ok
3	PEM	PEM	PL097269.D	18 Sep 2025 16:39		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL097270.D	18 Sep 2025 16:52		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL097271.D	18 Sep 2025 17:06		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL097272.D	18 Sep 2025 17:19		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL097273.D	18 Sep 2025 17:33		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL097274.D	18 Sep 2025 17:47		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL097275.D	18 Sep 2025 18:00		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL097276.D	18 Sep 2025 18:14		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL097277.D	18 Sep 2025 18:28		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL097278.D	18 Sep 2025 18:41		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL097279.D	18 Sep 2025 18:55		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL097280.D	18 Sep 2025 19:08		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL097281.D	18 Sep 2025 19:22		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL097282.D	18 Sep 2025 19:35		AR\AJ	Ok,M
17	PTOXICC500	PTOXICC500	PL097283.D	18 Sep 2025 19:49		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL097284.D	18 Sep 2025 20:03		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092025

Review By	Abdul	Review On	9/22/2025 9:04:56 AM
Supervise By	mohammad	Supervise On	9/23/2025 1:17:52 AM
SubDirectory	PL092025	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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	PL097285.D	18 Sep 2025 20:16		AR\AJ	Ok,M
20	PSTDICV050	ICVPL092025	PL097286.D	19 Sep 2025 08:39		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL092025	PL097287.D	19 Sep 2025 08:52		AR\AJ	Ok,M
22	PTOXICV500	ICVPL092025	PL097288.D	19 Sep 2025 09:25		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092225

Review By	Abdul	Review On	9/23/2025 8:44:42 AM
Supervise By	mohammad	Supervise On	9/24/2025 2:25:05 AM
SubDirectory	PL092225	HP Acquire Method	HP Processing Method p1092025 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24890,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P 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	PL097314.D	22 Sep 2025 10:12		AR\AJ	Ok
2	I.BLK	I.BLK	PL097315.D	22 Sep 2025 11:06		AR\AJ	Ok
3	PEM	PEM	PL097316.D	22 Sep 2025 11:20		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL097317.D	22 Sep 2025 11:33		AR\AJ	Ok,M
5	PB169749BS	PB169749BS	PL097318.D	22 Sep 2025 12:31		AR\AJ	Ok,M
6	PB169772BL	PB169772BL	PL097319.D	22 Sep 2025 13:30		AR\AJ	Ok
7	PB169772BS	PB169772BS	PL097320.D	22 Sep 2025 13:44		AR\AJ	Ok,M
8	Q3152-01	EO-02-091925	PL097321.D	22 Sep 2025 14:05		AR\AJ	Ok,M
9	Q3135-01	MH-121	PL097322.D	22 Sep 2025 14:19	DCB high in 2nd column	AR\AJ	Ok,M
10	Q3151-02	1402	PL097323.D	22 Sep 2025 14:32	DCB high in 2nd column	AR\AJ	Ok
11	PB169766BL	PB169766BL	PL097324.D	22 Sep 2025 14:46		AR\AJ	Ok
12	Q3153-04	OR-500-COMP-39	PL097325.D	22 Sep 2025 17:30		AR\AJ	Ok
13	Q3153-08	OR-500-COMP-40	PL097326.D	22 Sep 2025 17:44		AR\AJ	Ok
14	I.BLK	I.BLK	PL097327.D	22 Sep 2025 17:58		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL097328.D	22 Sep 2025 18:11		AR\AJ	Ok,M
16	PB169766BS	PB169766BS	PL097329.D	22 Sep 2025 18:25	Almost all compound recovery fail	AR\AJ	Not Ok
17	PB169766BSD	PB169766BSD	PL097330.D	22 Sep 2025 18:39	Almost all compound recovery fail	AR\AJ	Not Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092225

Review By	Abdul	Review On	9/23/2025 8:44:42 AM
Supervise By	mohammad	Supervise On	9/24/2025 2:25:05 AM
SubDirectory	PL092225	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,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			

18	PB169782BL	PB169782BL	PL097331.D	22 Sep 2025 18:52		AR\AJ	Ok
19	PB169782BS	PB169782BS	PL097332.D	22 Sep 2025 19:06	Almost all compound recovery fail	AR\AJ	Not Ok
20	Q3065-04	VNJ-204	PL097333.D	22 Sep 2025 19:20		AR\AJ	Ok
21	Q3092-02	291376	PL097334.D	22 Sep 2025 19:33		AR\AJ	Ok,M
22	Q3092-02MS	291376MS	PL097335.D	22 Sep 2025 19:47		AR\AJ	Ok,M
23	Q3092-02MSD	291376MSD	PL097336.D	22 Sep 2025 20:00		AR\AJ	Ok,M
24	PB169677TB	PB169677TB	PL097337.D	22 Sep 2025 20:14		AR\AJ	Ok
25	PB169754TB	PB169754TB	PL097338.D	22 Sep 2025 20:28		AR\AJ	Ok
26	I.BLK	I.BLK	PL097339.D	22 Sep 2025 20:41		AR\AJ	Ok
27	PEM	PEM	PL097340.D	22 Sep 2025 20:55		AR\AJ	Ok,M
28	PSTDCCC050	PSTDCCC050	PL097341.D	22 Sep 2025 21:08		AR\AJ	Ok,M
29	Q3092-04	279182	PL097342.D	22 Sep 2025 21:49		AR\AJ	Ok,M
30	Q3157-02	20-DEAD-1	PL097343.D	22 Sep 2025 22:03		AR\AJ	Ok
31	Q3145-01	SP-A	PL097344.D	22 Sep 2025 22:16		AR\AJ	Ok,M
32	Q3145-03	SP-B	PL097345.D	22 Sep 2025 22:30		AR\AJ	Ok,M
33	Q3153-01	OR-500-COMP-39	PL097346.D	22 Sep 2025 22:44		AR\AJ	Ok,M
34	Q3153-01MS	OR-500-COMP-39MS	PL097347.D	22 Sep 2025 22:57		AR\AJ	Ok,M
35	Q3153-01MSD	OR-500-COMP-39MSD	PL097348.D	22 Sep 2025 23:11		AR\AJ	Ok,M
36	Q3153-05	OR-500-COMP-40	PL097349.D	22 Sep 2025 23:24		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092225

Review By	Abdul	Review On	9/23/2025 8:44:42 AM
Supervise By	mohammad	Supervise On	9/24/2025 2:25:05 AM
SubDirectory	PL092225	HP Acquire Method	HP Processing Method pl092025 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	Q3155-01	COMP-1	PL097350.D	22 Sep 2025 23:38		AR\AJ	Ok,M
38	Q3155-02	COMP-2	PL097351.D	22 Sep 2025 23:52		AR\AJ	Ok,M
39	Q3155-03	COMP-3	PL097352.D	23 Sep 2025 00:05		AR\AJ	Ok,M
40	Q3157-01	20-DEAD-1	PL097353.D	23 Sep 2025 00:19		AR\AJ	Ok,M
41	I.BLK	I.BLK	PL097354.D	23 Sep 2025 00:32		AR\AJ	Ok
42	PSTDCCC050	PSTDCCC050	PL097355.D	23 Sep 2025 00:46		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 09/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137247

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
Q3143-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3143-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3143-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3143-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3143-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3143-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3145-01	SP-A	7	1.14	10.75	11.89	10.28	85.0	
Q3145-02	SP-A-EPH-2	8	1.19	10.41	11.6	10.1	85.6	
Q3145-03	SP-B	9	1.19	10.10	11.29	9.75	84.8	
Q3145-04	SP-B-EPH-2	10	1.13	10.64	11.77	10.28	86.0	
Q3146-01	MECHANIC-ST-PAINT-CHIP S	11	1.00	1.00	2.00	2.00	100.0	PAINT CHIPS SAMPLE
Q3147-01	S-1	12	1.18	10.22	11.4	10.7	93.2	
Q3147-02	S-2	13	1.16	10.55	11.71	10.8	91.4	
Q3147-03	S-3	14	1.19	10.42	11.61	10.84	92.6	
Q3147-04	S-4	15	1.16	10.21	11.37	10.34	89.9	
Q3147-05	S-5	16	1.19	10.13	11.32	10.6	92.9	
Q3147-06	S-6	17	1.19	10.36	11.55	10.74	92.2	
Q3147-07	S-7	18	1.19	10.72	11.91	11.00	91.5	
Q3147-08	S-8	19	1.16	10.55	11.71	10.7	90.4	
Q3147-09	S-9	20	1.19	10.28	11.47	10.55	91.1	
Q3147-10	S-10	21	1.19	10.77	11.96	11.32	94.1	
Q3147-11	S-11	22	1.17	10.58	11.75	10.97	92.6	
Q3147-12	S-12	23	1.13	10.67	11.8	10.88	91.4	
Q3147-13	S-13	24	1.19	10.70	11.89	11.15	93.1	
Q3147-14	S-14	25	1.19	10.39	11.58	10.85	93.0	
Q3147-15	S-15	26	1.11	10.77	11.88	10.96	91.5	
Q3147-16	S-16	27	1.19	10.32	11.51	10.47	89.9	
Q3147-17	S-17	28	1.15	10.58	11.73	10.8	91.2	



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 09/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137247

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
Q3147-18	S-18	29	1.18	10.70	11.88	10.95	91.3	
Q3147-19	S-19	30	1.14	10.92	12.06	11.17	91.8	
Q3147-20	S-20	31	1.15	11.56	12.71	11.72	91.4	
Q3147-21	S-21	32	1.18	10.61	11.79	10.96	92.2	
Q3147-22	S-22	33	1.19	11.06	12.25	11.15	90.1	
Q3147-23	S-23	34	1.15	10.40	11.55	10.6	90.9	
Q3147-24	S-24	35	1.19	10.75	11.94	11.14	92.6	
Q3147-25	S-25	36	1.18	10.24	11.42	10.72	93.2	
Q3147-26	S-26	37	1.15	10.35	11.5	11.04	95.6	
Q3147-27	S-27	38	1.15	10.26	11.41	10.27	88.9	
Q3147-28	S-28	39	1.16	11.34	12.5	11.72	93.1	
Q3147-29	S-29	40	1.19	11.23	12.42	11.42	91.1	
Q3147-30	S-30	41	1.13	10.34	11.47	10.94	94.9	
Q3147-31	S-31	42	1.15	11.25	12.4	11.9	95.6	
Q3147-32	S-32	43	1.15	10.91	12.06	11.51	95.0	
Q3150-01	MER Rd Con Ed	44	1.15	10.51	11.66	10.67	90.6	
Q3150-02	MER Rd Con Ed	45	1.15	10.51	11.66	10.67	90.6	
Q3150-03	Mid Site Grid 5-7	46	1.16	10.02	11.18	8.85	76.7	
Q3150-04	Mid Site Grid 5-7	47	1.16	10.02	11.18	8.85	76.7	
Q3151-01	MH-OIL	48	1.00	1.00	2.00	2.00	100.0	oil sample
Q3152-01	EO-02-091925	49	1.14	10.86	12.00	11.16	92.3	
Q3152-02	EO-02-091925-E2	50	1.14	10.38	11.52	10.64	91.5	
Q3153-01	OR-500-COMP-39	51	1.18	10.64	11.82	11.07	93.0	
Q3153-02	OR-500-VOC-115	52	1.17	10.52	11.69	11.13	94.7	
Q3153-03	OR-500-115	53	1.19	10.49	11.68	10.88	92.4	
Q3153-05	OR-500-COMP-40	54	1.19	10.15	11.34	10.00	86.8	
Q3153-06	OR-500-VOC-116	55	1.14	10.30	11.44	10.41	90.0	
Q3153-07	OR-500-116	56	1.13	10.37	11.5	10.15	87.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 09/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137247

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
Q3155-01	COMP-1	57	1.11	10.26	11.37	10.12	87.8	
Q3155-02	COMP-2	58	1.14	10.30	11.44	10.52	91.1	
Q3155-03	COMP-3	59	1.18	10.23	11.41	10.57	91.8	
Q3157-01	20-DEAD-1	60	1.19	10.91	12.1	11.11	90.9	

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

WORKLIST(Hardcopy Internal Chain)

13247

WorkList Name : %1-091925

WorkList ID : 191953

Department : Wet-Chemistry

Date : 09-19-2025 09:51:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3143-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3145-01	SP-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3145-02	SP-A-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3145-03	SP-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3145-04	SP-B-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3146-01	MECHANIC-ST-PAINT-CHIPS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	09/19/2025	Chemtech -SO
Q3147-01	S-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-02	S-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-03	S-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-04	S-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-05	S-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-06	S-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-07	S-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-08	S-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-09	S-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-10	S-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO

Date/Time 09-19-25 15:00

Raw Sample Received by: JWC

Raw Sample Relinquished by: JWC

Date/Time 09-19-25

Raw Sample Received by: JWC

Raw Sample Relinquished by: JWC

WORKLIST(Hardcopy Internal Chain)

13247

WorkList Name : %1-091925

WorkList ID : 191953

Department : Wet-Chemistry

Date : 09-19-2025 09:51:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3147-11	S-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-12	S-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-13	S-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-14	S-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-15	S-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-16	S-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-17	S-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-18	S-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-19	S-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-20	S-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-21	S-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-22	S-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-23	S-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-24	S-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-25	S-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-26	S-26	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-27	S-27	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-28	S-28	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-29	S-29	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-30	S-30	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-31	S-31	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO

Date/Time 09-19-25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 09-19-25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

W 13247

WorkList Name : %1-091925 WorkList ID : 191953 Department : Wet-Chemistry Date : 09-19-2025 09:51:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3147-32	S-32	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3150-01	MER Rd Con Ed	Solid	Percent Solids	Cool 4 deg C	SCAL01	J23	09/18/2025	Chemtech -SO
Q3150-02	MER Rd Con Ed	Solid	Percent Solids	Cool 4 deg C	SCAL01	J23	09/18/2025	Chemtech -SO
Q3150-03	Mid Site Grid 5-7	Solid	Percent Solids	Cool 4 deg C	SCAL01	J23	09/18/2025	Chemtech -SO
Q3150-04	Mid Site Grid 5-7	Solid	Percent Solids	Cool 4 deg C	SCAL01	J23	09/18/2025	Chemtech -SO
Q3151-01	MH-OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3152-01	EO-02-091925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/19/2025	Chemtech -SO
Q3152-02	EO-02-091925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/19/2025	Chemtech -SO
Q3153-01	OR-500-COMP-39	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-02	OR-500-VOC-115	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-03	OR-500-115	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-05	OR-500-COMP-40	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-06	OR-500-VOC-116	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-07	OR-500-116	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3155-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	D41	09/19/2025	Chemtech -SO
Q3155-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	D41	09/19/2025	Chemtech -SO
Q3155-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	D41	09/19/2025	Chemtech -SO
Q3157-01	20-DEAD-1	Solid	Percent Solids	Cool 4 deg C	ALWA01	D31	09/19/2025	Chemtech -SO

Date/Time 09-19-25 15:00

Raw Sample Received by: JB WPC

Raw Sample Relinquished by: JB WPC

Date/Time 09-19-25

Raw Sample Received by: JB WPC

Raw Sample Relinquished by: JB WPC

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH **Extraction By:** RJ

Balance check: EH **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Start Date : 09/22/2025

Extraction Start Time : 08:41

Extraction End Date : 09/22/2025

Extraction End Time : 11:55

Concentration By: EH

Supervisor By : ritesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	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	EP2639
Sand	N/A	E3951
Hexane	N/A	E3971
Florisil	N/A	E3927
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

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A **Envap ID:** NE VAP-02

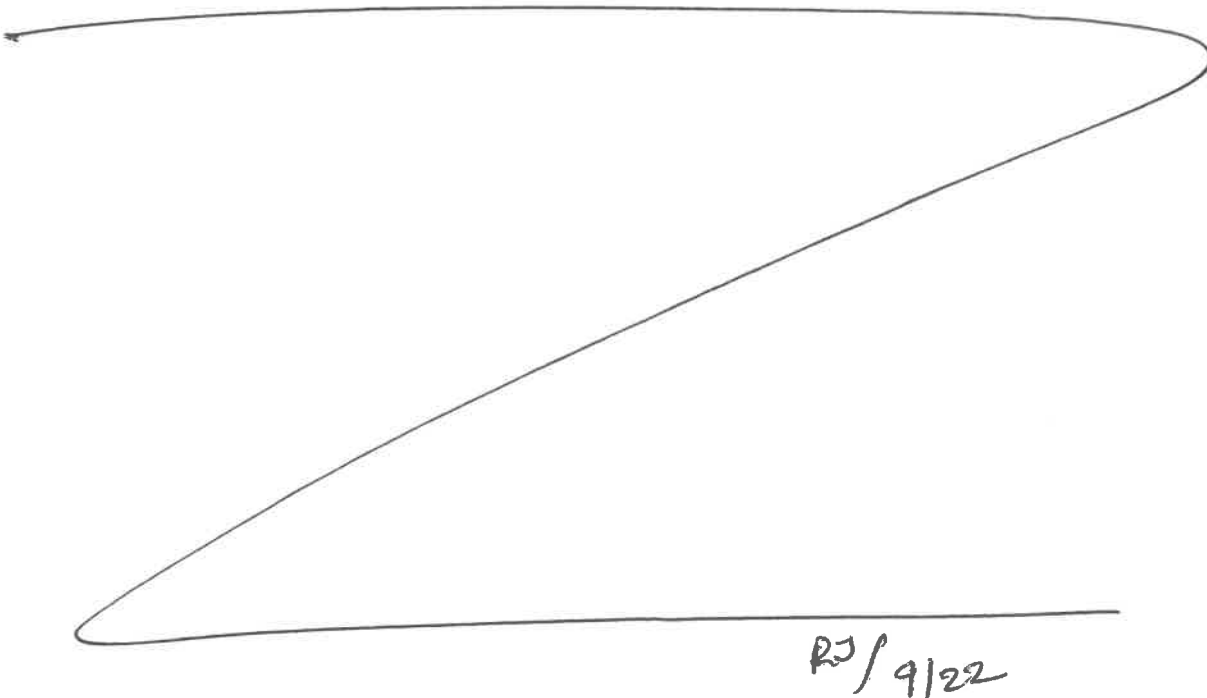
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/22/25	RJ L (LTL-166)	R. Pesh/Pesh Lab
12:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 09/22/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169772BL	PBLK772	PESTICIDE Group1	30.02	N/A	Evelyn	ritesh	10			U6-1
PB169772BS	PLCS772	PESTICIDE Group1	30.01	N/A	Evelyn	ritesh	10			2
Q3145-01	SP-A	Pesticide-TCL	30.06	N/A	Evelyn	ritesh	10	E		3
Q3145-03	SP-B	Pesticide-TCL	30.03	N/A	Evelyn	ritesh	10	E		4
Q3152-01	EO-02-091925	Pesticide-TCL	30.02	N/A	Evelyn	ritesh	10	E		5
Q3153-01	OR-500-COMP-39	Pesticide-TCL	30.03	N/A	Evelyn	ritesh	10	D		6
Q3153-01MS	OR-500-COMP-39MS	Pesticide-TCL	30.05	N/A	Evelyn	ritesh	10	D		U1-1
Q3153-01MS D	OR-500-COMP-39MSD	Pesticide-TCL	30.07	N/A	Evelyn	ritesh	10	D		2
Q3153-05	OR-500-COMP-40	Pesticide-TCL	30.06	N/A	Evelyn	ritesh	10	D		3
Q3155-01	COMP-1	PESTICIDE Group1	30.01	N/A	Evelyn	ritesh	10	E		4
Q3155-02	COMP-2	PESTICIDE Group1	30.09	N/A	Evelyn	ritesh	10	E		5
Q3155-03	COMP-3	PESTICIDE Group1	30.08	N/A	Evelyn	ritesh	10	E		6
Q3157-01	20-DEAD-1	Pesticide-TCL	30.03	N/A	Evelyn	ritesh	10	E		U2-1



RJ / 9/22

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3152P WorkList ID : 191985 Department : Extraction Date : 09-22-2025 08:36:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3145-01	SP-A	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	09/19/2025	8081B
Q3145-03	SP-B	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	09/19/2025	8081B
Q3152-01	EO-02-091925	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	09/19/2025	8081B
Q3153-01	OR-500-COMP-39	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	09/19/2025	8081B
Q3153-05	OR-500-COMP-40	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	09/19/2025	8081B
Q3155-01	COMP-1	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	D41	09/19/2025	8081B
Q3155-02	COMP-2	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	D41	09/19/2025	8081B
Q3155-03	COMP-3	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	D41	09/19/2025	8081B
Q3157-01	20-DEAD-1	Solid	Pesticide-TCL	Cool 4 deg C	ALWA01	D31	09/19/2025	8081B

Date/Time 9/22/25 8:36
Raw Sample Received by: RJ LEX-0011
Raw Sample Relinquished by: [Signature]

Date/Time 9/22/25 9:05
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ LEX-0011

Prep Standard - Chemical Standard Summary

Order ID : Q3155
Test : PESTICIDE Group1

Prepbatch ID : PB169772,
Sequence ID/Qc Batch ID: pl092225,

Standard ID :

EP2639,EP2643,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,PP24805,PP24890,

Chemical ID :

E3875,E3927,E3941,E3944,E3951,E3955,E3956,E3962,E3971,E3972,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13786,P13788,P13789,P13862,P9053,



<u>Recipe ID</u>	<u>NAME</u>	<u>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	EP2639	09/12/2025	01/28/2026	Riteshkumar Patel	Extraction_SC ALE_2 (EX-SC-2)	None	Evelyn Huang 09/12/2025
FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram								

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

<u>FROM</u>	4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml
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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

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>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 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>
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12604 + 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>
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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24805	08/18/2025	02/18/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24890	08/20/2025	02/18/2026	Abdul Mirza	None	None	Yogesh Patel
								09/17/2025

FROM 99.90000ml of E3962 + 0.10000ml of PP24805 = 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 #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml	Z0830QB1	04/18/2026	05/30/2025 / RUPESH	03/13/2025 / RUPESH	E3927

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

CHEMICAL RECEIPT LOG BOOK

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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 #
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	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

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	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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	02/18/2026	08/18/2025 / yogesh	11/19/2024 / Ankita	P13789

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



固相萃取产品

Made in China

Agela Technologies

E3927



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

Received on 7/30/25

E3962

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



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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 P13043
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 1
 JAW
 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.)

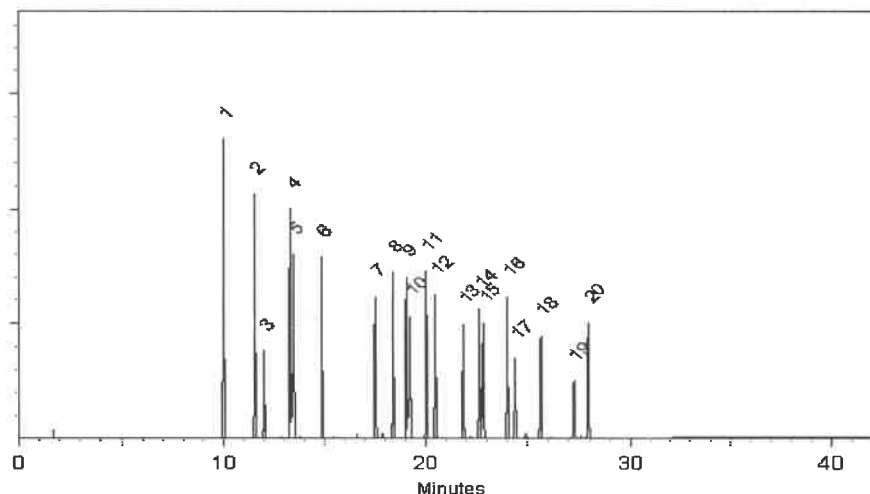
Inj. Temp:
 200°C

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

**CERTIFIED WEIGHT REPORT**

Part Number:	<u>79136</u>
Lot Number:	<u>042022</u>
Description:	Milrex

Solvent(s):	Lot#
Acetone	81025

Expiration Date:	04/20/27
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB

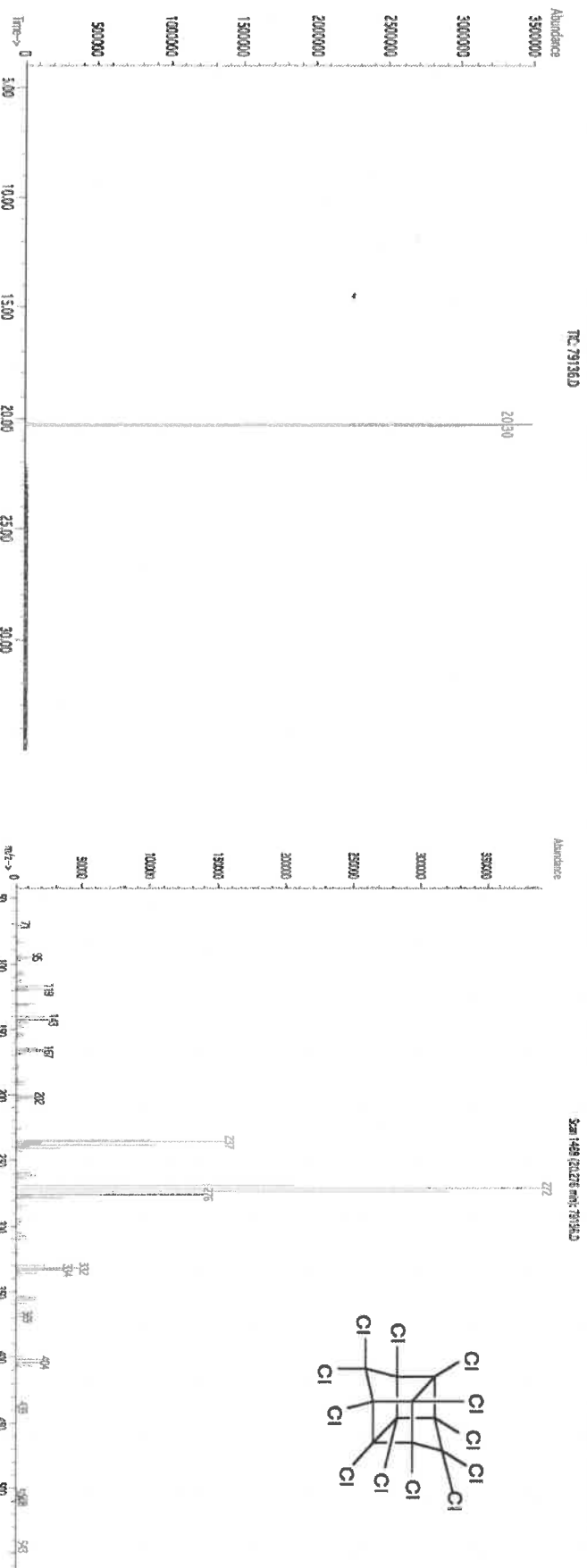
5E-05	Balance Uncertainty
0.006	Flask Uncertainty

Formulated By:	 Prashant Chauhan	042022
Reviewed By:	 Pedro L. Nantes	042022

Compound	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)	
			Purity				CAS#			
									OSHA PEL (TWA)	L250

	1.	Mirex
	437	9492400
	1000	99.4
	0.5	0.05034
	0.05040	1001.1
	10.3	2385-65-5
	N/A	off-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.

- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.

- Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

$P_{13,195}$
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 $\downarrow$

01/17/2024
JALIN

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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]
Kauf
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:

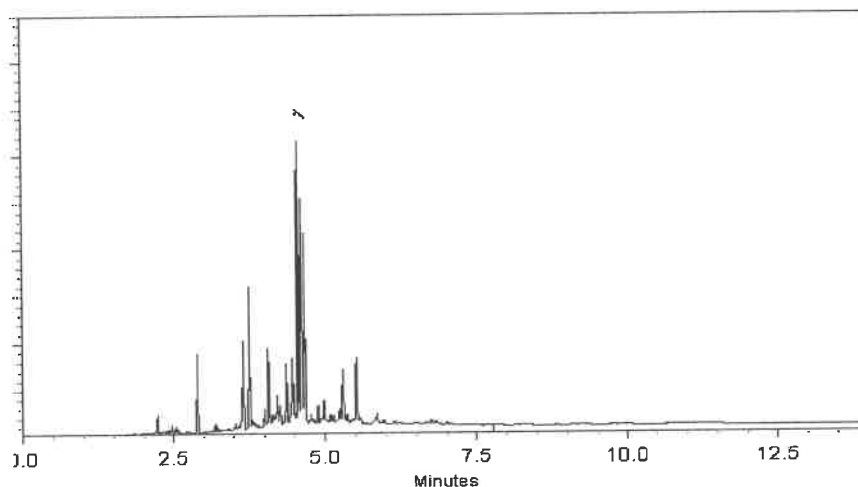
ECD

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

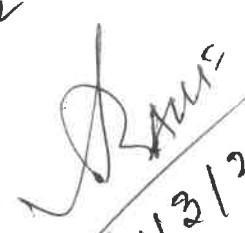
Date Mixed: 11-May-2023

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

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

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:

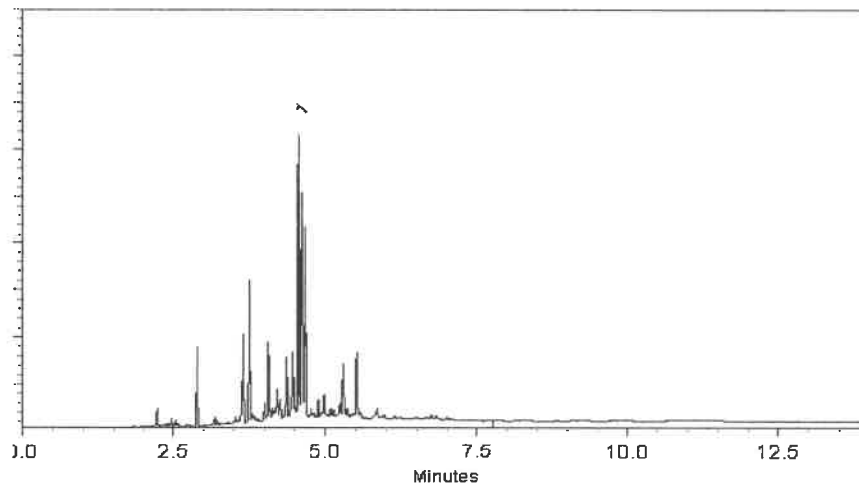
ECD

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

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.:** 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.)

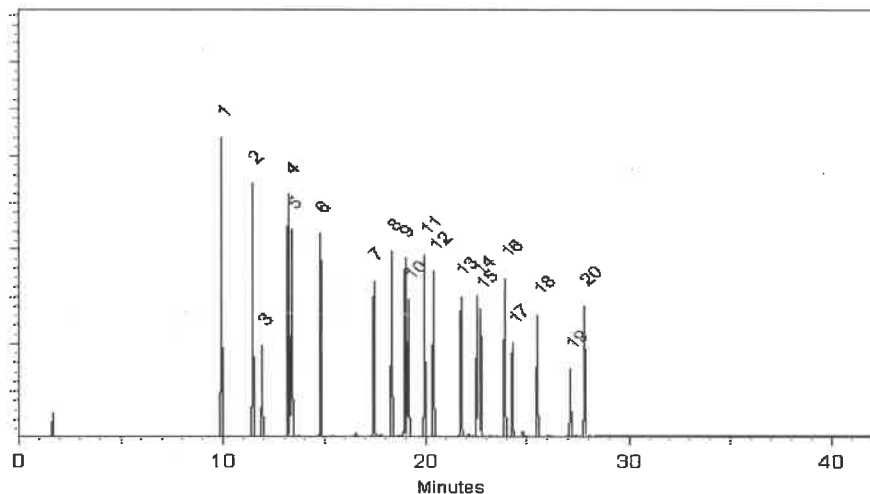
Inj. Temp:
200°C

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

9 components

Solvent(s):

Lot#

Expiration Date:

013129

Hexane

273615

Recommended Storage:

Refrigerate (4 °C)

Toluene

28508

(50%)

Nominal Concentration (µg/mL):

Varied

28508

(50%)

NIST Test ID#:

6UTB

5E-05

Balance Uncertainty

28508

(50%)

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

100.0

Pipet Uncertainty

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

Compound

Part Number

Lot Number

Dil. Factor

Initial Vol. (mL)

Uncertainty Pipette (mL)

Initial Conc. (µg/mL)

Final Conc. (µg/mL)

Expanded Uncertainty (±) µg/mL

CAS#

OSHA PEL (TWA)

LD50

SDS Information

(Solvent Safety Info. On Attached pg.)

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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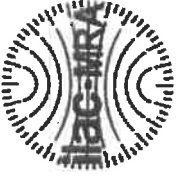


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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis *chromatographic plus*



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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.)

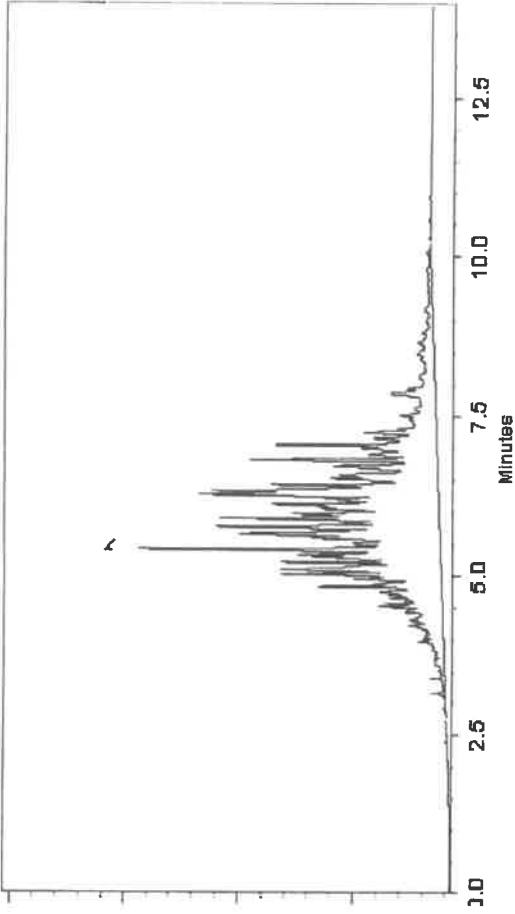
Inj. Temp:
250°C

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.

J.P.

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

(Signature)
P13773
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11/19/24
(Signature)
10-5-20



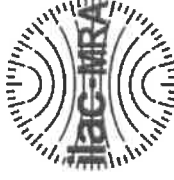
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Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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.)

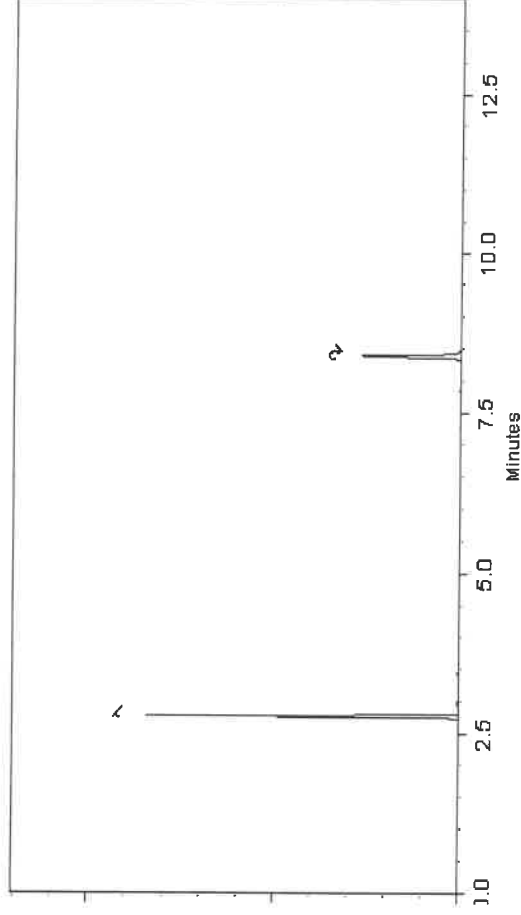
Inj. Temp:
250°C

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



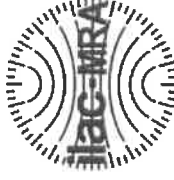
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Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Pesticide Surrogate Mix

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

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

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

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

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

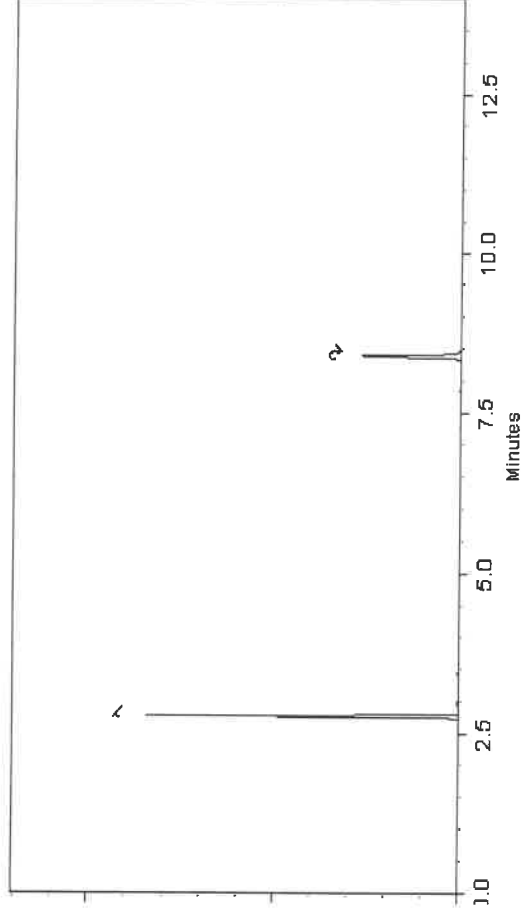
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

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

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

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



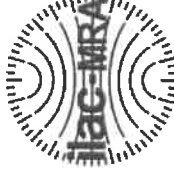
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

Description : Pesticide Surrogate Mix

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

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

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

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

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

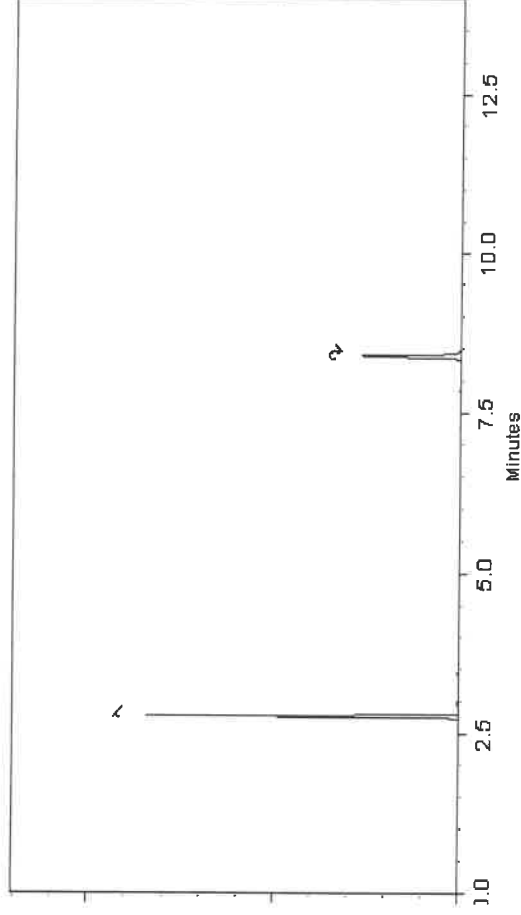
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

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

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

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



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

Catalog No. : 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:

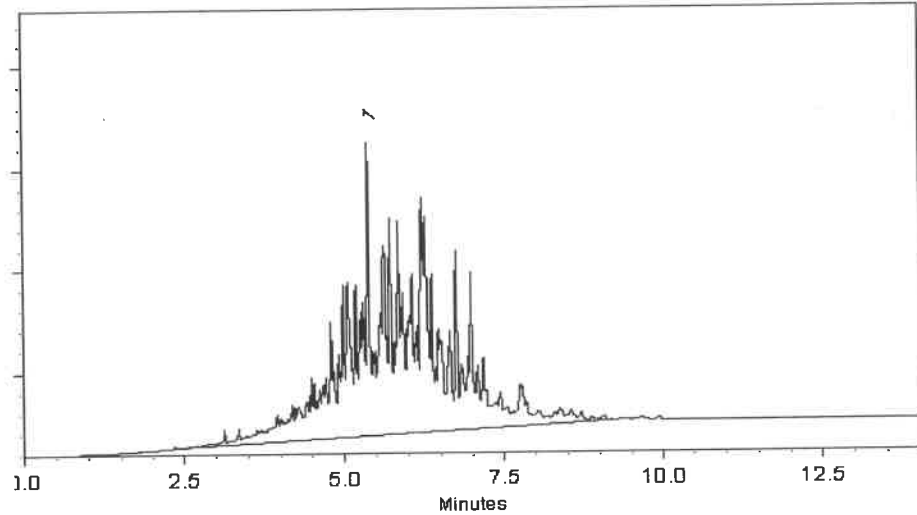
ECD

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

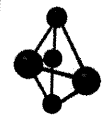

Christie Mills - Operations Lead Tech - ARM QC

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

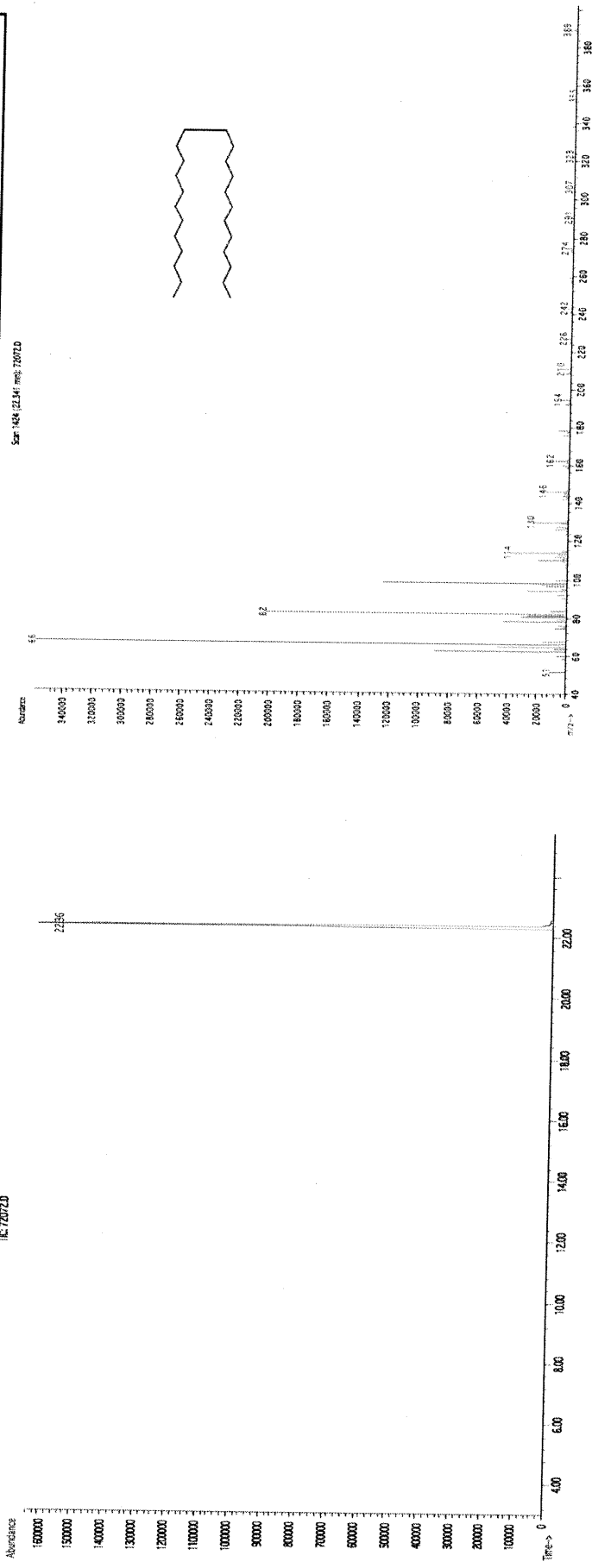
Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50
Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): Methylene chloride
Lot#: 102669
Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Prashant Chauhan	112018	DATE
Reviewed By:	Pedro Rentas	112018	DATE

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

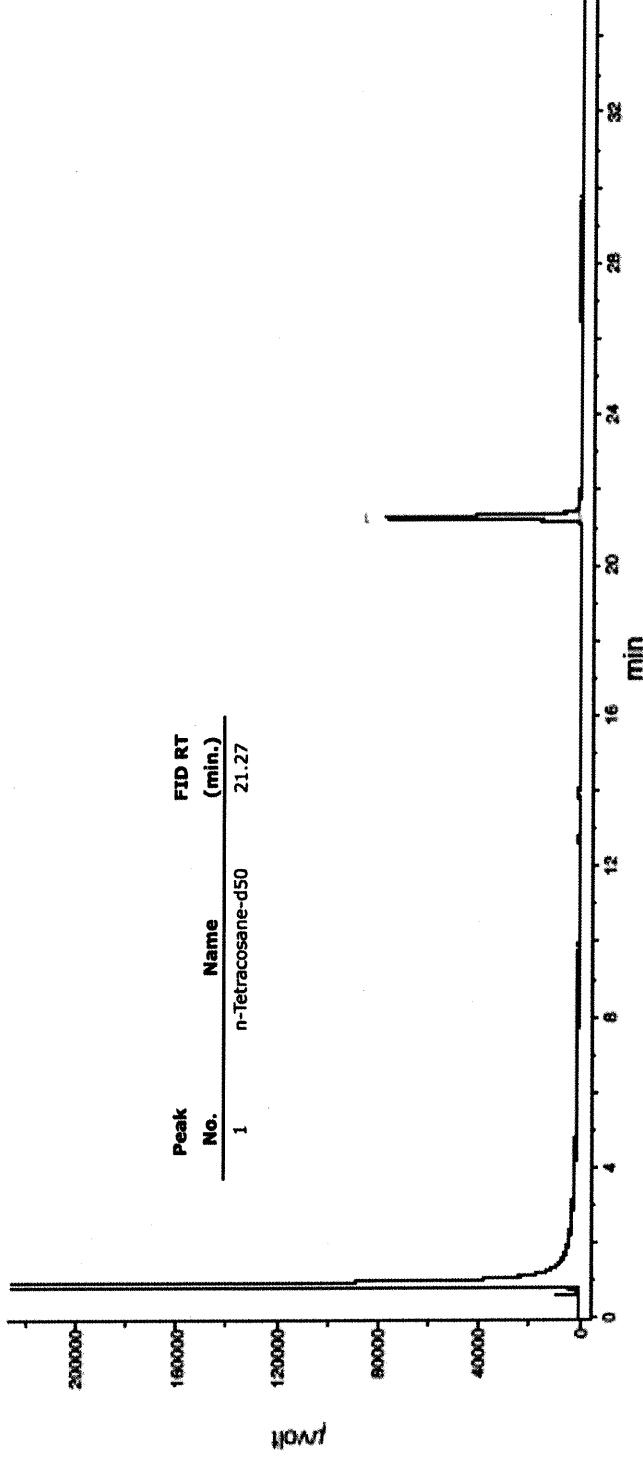
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Kleinfelder**
ADDRESS: **180 Sheree Blvd. Suite 3800**
CITY: **Exton** STATE: **PA** ZIP: **19341**
ATTENTION: **Mark Warchol**
PHONE: **484-883-3892** FAX:

PROJECT NAME: **Tanner Duckrey School**
PROJECT NO.: **2002048.001A** LOCATION: **Philadelphia**
PROJECT MANAGER: **Mark Warchol**
e-mail: **mwarchol@kleinfelder.com**
PHONE: **484-883-3892** FAX:

BILL TO: PO#: **Same**
ADDRESS: **Same**
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) **5** DAYS*
HARDCOPY (DATA PACKAGE): **5** DAYS*
EDD: **5** DAYS*

☐ 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

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← 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.	COMP-1	Soil	✓		9/19/25	9:55	6	✓									
2.	COMP-2	↓	↓		↓	10:40	↓	↓									
3.	COMP-3	↓	↓		↓	11:30	↓	↓									
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. [Signature]	DATE/TIME: 9/18/25	RECEIVED BY: [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.6 °C
RELINQUISHED BY SAMPLER: 2. FedEx	DATE/TIME: 9-19-25 1155	RECEIVED BY: [Signature]	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:	Page 1 of 1 CLIENT: ☐ Hand Delivered ☒ Other FedEx 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 : Q3155	POWE02	Order Date : 9/19/2025 1:05:00 PM	Project Mgr : Yazmeen
Client Name : Kleinfelder		Project Name : Tanner G. Duckrey Public S	Report Type : Results+QC
Client Contact : Mark Warchol		Receive DateTime : 9/19/2025 12:00:00 AM 11:15 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Kleinfelder		Purchase Order :	Hard Copy Date :
Invoice Contact : Mark Warchol			Date Signoff : 9/19/2025 1:30:45 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3155-01	COMP-1	Solid	09/19/2025	09:55					
					VOCMS Group1		8260D	5 Bus. Days	
Q3155-02	COMP-2	Solid	09/19/2025	10:40					
					VOCMS Group1		8260D	5 Bus. Days	
Q3155-03	COMP-3	Solid	09/19/2025	11:30					
					VOCMS Group1		8260D	5 Bus. Days	
Q3155-04	TB	Water	09/19/2025	00:00					
					VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinquished By : cl

Date / Time : 9/19/25 1336

Received By : Sami

Date / Time : 09/19/25 13:20

Storage Area : VOA Refridgerator Room

6
P22
R2H4