

Cover Page

Order ID : Q2681

Project ID : NYPA

Client : Core Environmental Consultants and Services, Inc.

Lab Sample Number

Q2681-01

Client Sample Number

NYPA-POUCH-SPENT-CARBON

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

Signature : _____

Date: 7/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2681

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 07/29/2025

LAB CHRONICLE

OrderID: Q2681
Client: Core Environmental Consultants and Services, Inc.
Contact: Roland Scardino

OrderDate: 7/23/2025 2:59:39 PM
Project: NYPA
Location: D21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2681-01	NYPA-POUCH-SPENT-CARBON	SOIL			07/23/25			07/23/25
			PCB	8082A		07/24/25	07/25/25	
			TCLP Herbicide	8151A		07/29/25	07/30/25	
			TCLP Pesticide	8081B		07/29/25	07/29/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2681

Order ID: Q2681

Client: Core Environmental Consultants and Services, In

Project ID: NYPA

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

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q2681

Client: Core Environmental Consultants and Ser

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PL096593.D	PIBLK-PL096593.D	Decachlorobiphen	1	20	19.2	96		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	19.1	95		57	171
		Tetrachloro-m-xyl	2	20	18.3	92		61	148
I.BLK-PL096625.D	PIBLK-PL096625.D	Decachlorobiphen	1	20	22.9	114		57	171
		Tetrachloro-m-xyl	1	20	21.0	105		61	148
		Decachlorobiphen	2	20	21.4	107		57	171
		Tetrachloro-m-xyl	2	20	21.7	108		61	148
PB169038BL	PB169038BL	Decachlorobiphen	1	20	19.5	97		57	171
		Tetrachloro-m-xyl	1	20	18.3	92		61	148
		Decachlorobiphen	2	20	20.6	103		57	171
		Tetrachloro-m-xyl	2	20	19.4	97		61	148
PB169038BS	PB169038BS	Decachlorobiphen	1	20	18.9	95		57	171
		Tetrachloro-m-xyl	1	20	17.9	90		61	148
		Decachlorobiphen	2	20	20.0	100		57	171
		Tetrachloro-m-xyl	2	20	18.9	94		61	148
PB168986TB	PB168986TB	Decachlorobiphen	1	20	19.8	99		57	171
		Tetrachloro-m-xyl	1	20	18.7	93		61	148
		Decachlorobiphen	2	20	20.9	104		57	171
		Tetrachloro-m-xyl	2	20	19.7	98		61	148
Q2681-01	NYPA-POUCH-SPENT-CARBOD	Decachlorobiphen	1	20	19.6	98		57	171
		Tetrachloro-m-xyl	1	20	15.9	79		61	148
		Decachlorobiphen	2	20	20.8	104		57	171
		Tetrachloro-m-xyl	2	20	16.9	84		61	148
Q2681-01MS	NYPA-POUCH-SPENT-CARBOD	Decachlorobiphen	1	20	20.4	102		57	171
		Tetrachloro-m-xyl	1	20	16.4	82		61	148
		Decachlorobiphen	2	20	21.4	107		57	171
		Tetrachloro-m-xyl	2	20	17.5	87		61	148
Q2681-01MSD	NYPA-POUCH-SPENT-CARBOD	Decachlorobiphen	1	20	20.6	103		57	171
		Tetrachloro-m-xyl	1	20	16.8	84		61	148
		Decachlorobiphen	2	20	21.7	109		57	171
		Tetrachloro-m-xyl	2	20	17.9	89		61	148
I.BLK-PL096633.D	PIBLK-PL096633.D	Decachlorobiphen	1	20	21.6	108		57	171
		Tetrachloro-m-xyl	1	20	20.7	103		61	148
		Decachlorobiphen	2	20	23.3	116		57	171
		Tetrachloro-m-xyl	2	20	21.5	108		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2681</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Core Environmental Consultants and Serv</u>	DataFile :	<u>PL096631.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits	RPD
			Result	Result			Qual	RPD	Qual		High	
Lab Sample ID:	Q2681-01MS	Client Sample ID:		NYPA-POUCH-SPENT-CA								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	4.80	ug/L	96				60	152	
	Heptachlor	5	0	4.60	ug/L	92				56	147	
	Heptachlor epoxide	5	0	4.90	ug/L	98				77	143	
	Endrin	5	0	5.00	ug/L	100				76	144	
	Methoxychlor	5	0	4.80	ug/L	96				70	142	
Lab Sample ID:	Q2681-01MS	Client Sample ID:		NYPA-POUCH-SPENT-CA								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	5.00	ug/L	100				60	152	
	Heptachlor	5	0	4.70	ug/L	94				56	147	
	Heptachlor epoxide	5	0	5.00	ug/L	100				77	143	
	Endrin	5	0	5.00	ug/L	100				76	144	
	Methoxychlor	5	0	4.90	ug/L	98				70	142	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2681</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Core Environmental Consultants and Serv</u>	DataFile :	<u>PL096632.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Limits		
			Result	Result				RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2681-01MSD	Client Sample ID:		NYPA-POUCH-SPENT-C/								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	4.90	ug/L	98		2		60	152	20
	Heptachlor	5	0	4.70	ug/L	94		2		56	147	20
	Heptachlor epoxide	5	0	5.00	ug/L	100		2		77	143	20
	Endrin	5	0	5.00	ug/L	100		0		76	144	20
	Methoxychlor	5	0	4.80	ug/L	96		0		70	142	20
Lab Sample ID:	Q2681-01MSD	Client Sample ID:		NYPA-POUCH-SPENT-C/								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	5.10	ug/L	102		2		60	152	20
	Heptachlor	5	0	4.80	ug/L	96		2		56	147	20
	Heptachlor epoxide	5	0	5.10	ug/L	102		2		77	143	20
	Endrin	5	0	5.20	ug/L	104		4		76	144	20
	Methoxychlor	5	0	5.00	ug/L	100		2		70	142	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2681

Analytical Method: 8081B

Client: Core Environmental Consultants and Serv

Datafile : PL096628.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169038BS (Column 1)	gamma-BHC (Lindane)	0.5	0.48	ug/L	97				82	129	
	Heptachlor	0.5	0.49	ug/L	98				79	127	
	Heptachlor epoxide	0.5	0.49	ug/L	98				81	124	
	Endrin	0.5	0.47	ug/L	94				81	128	
	Methoxychlor	0.5	0.46	ug/L	93				78	108	
PB169038BS (Column 2)	gamma-BHC (Lindane)	0.5	0.51	ug/L	102				82	129	
	Heptachlor	0.5	0.50	ug/L	100				79	127	
	Heptachlor epoxide	0.5	0.50	ug/L	101				81	124	
	Endrin	0.5	0.51	ug/L	103				81	128	
	Methoxychlor	0.5	0.48	ug/L	95				78	108	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169038BL

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab Sample ID: PB169038BL

Lab File ID: PL096627.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/29/2025

Date Analyzed (1): 07/29/2025

Date Analyzed (2): 07/29/2025

Time Analyzed (1): 17:31

Time Analyzed (2): 17:31

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
PB169038BS	PB169038BS	PL096628.D	07/29/2025	07/29/2025
PB168986TB	PB168986TB	PL096629.D	07/29/2025	07/29/2025
NYPA-POUCH-SPENT-CARBON	Q2681-01	PL096630.D	07/29/2025	07/29/2025
NYPA-POUCH-SPENT-CARBONMS	Q2681-01MS	PL096631.D	07/29/2025	07/29/2025
NYPA-POUCH-SPENT-CARBONMSD	Q2681-01MSD	PL096632.D	07/29/2025	07/29/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA	Date Received:	07/29/25
Client Sample ID:	PB168986TB	SDG No.:	Q2681
Lab Sample ID:	PB168986TB	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096629.D	1	07/29/25 08:48	07/29/25 17:58	PB169038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.50	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.50	U	0.096	0.50	ug/L
72-20-8	Endrin	0.50	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.50	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.7		61 - 148	98%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:58
Operator : AR\AJ
Sample : PB168986TB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168986TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:53:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	59362918	93988150	18.663	19.672
28)	SA Decachlor...	9.015	7.992	47261688	90675688	19.819	20.901

Target Compounds

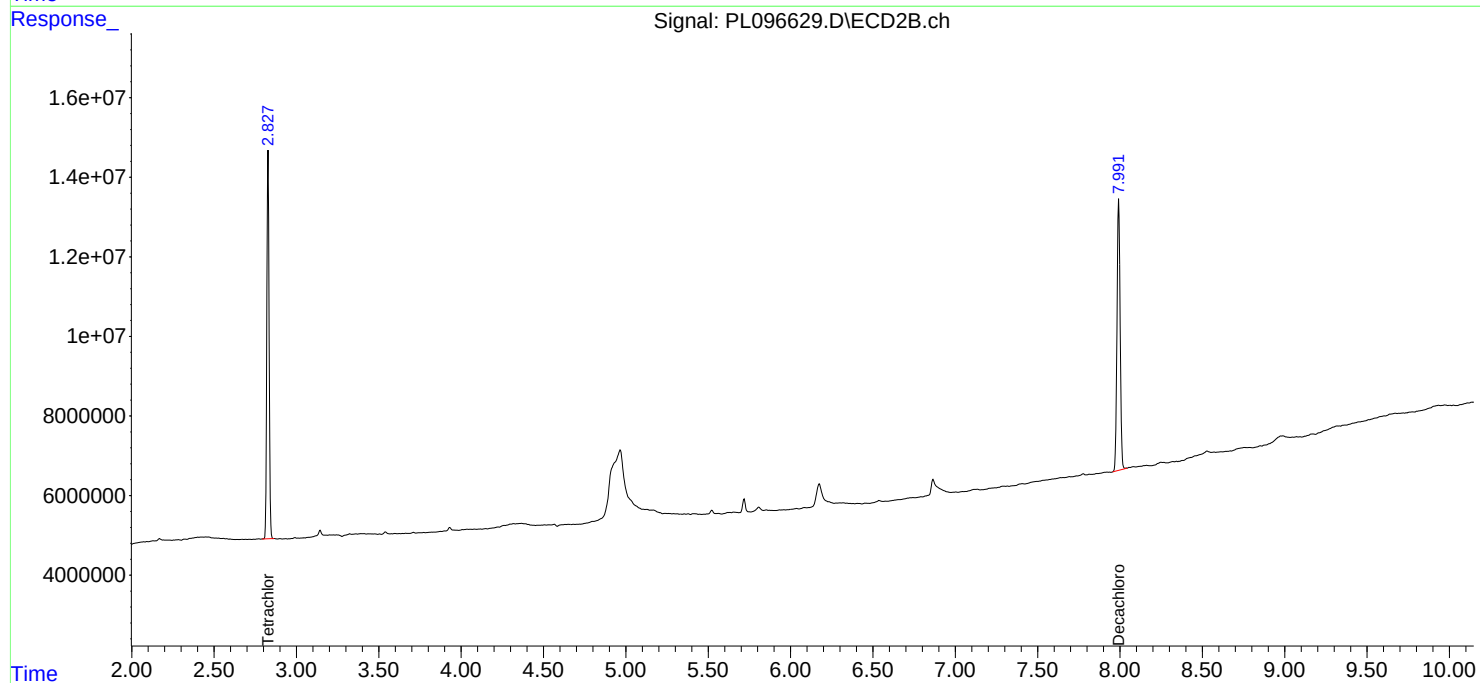
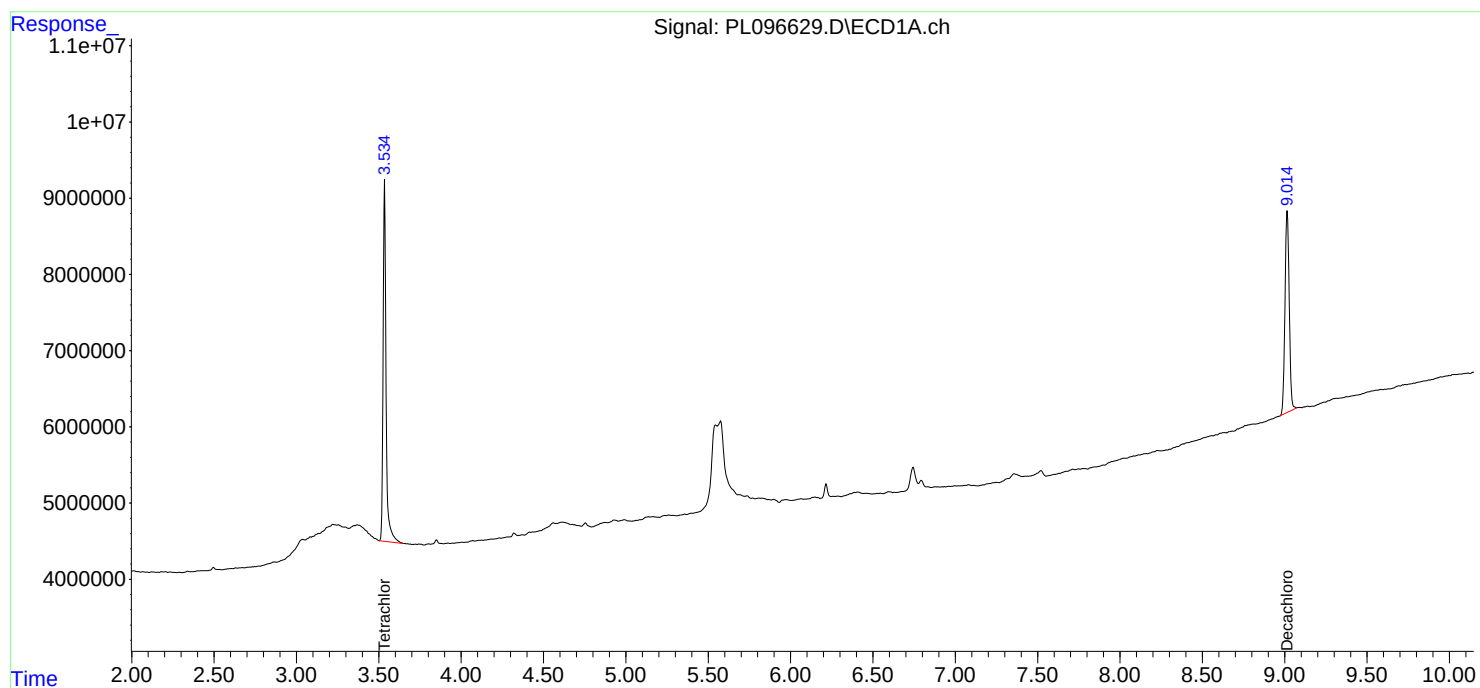
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

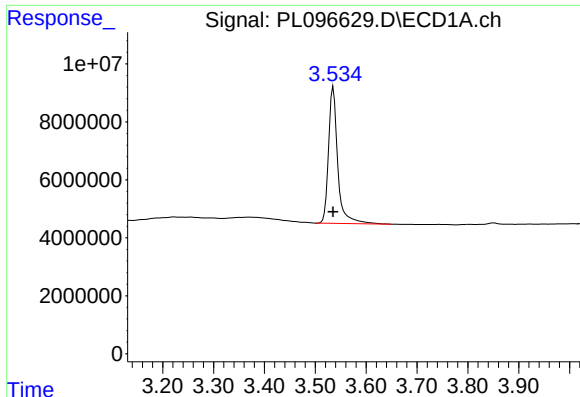
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:58
Operator : AR\AJ
Sample : PB168986TB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168986TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:53:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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

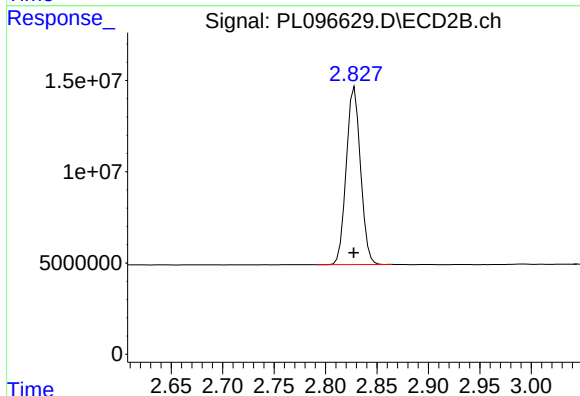




#1 Tetrachloro-m-xylene

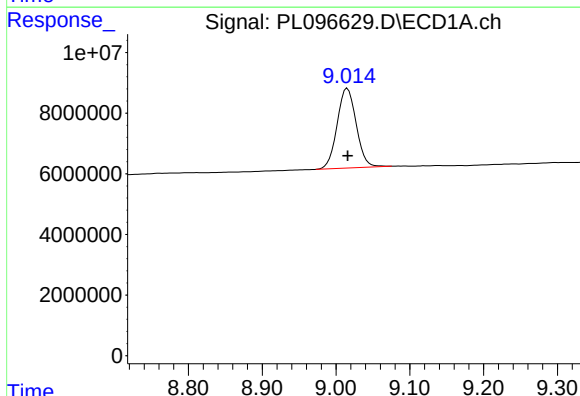
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 59362918
Conc: 18.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168986TB



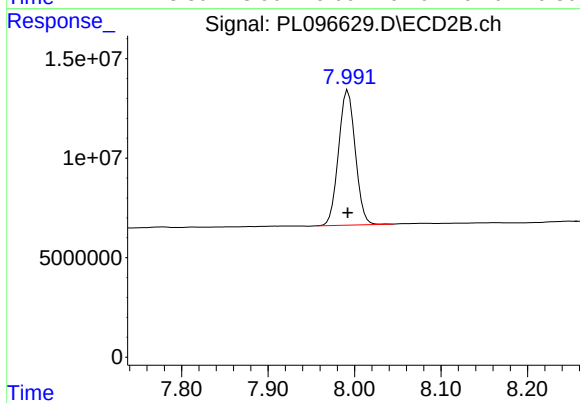
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 93988150
Conc: 19.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 47261688
Conc: 19.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 90675688
Conc: 20.90 ng/ml

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBON	SDG No.:	Q2681
Lab Sample ID:	Q2681-01	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096630.D	1	07/29/25 08:48	07/29/25 18:11	PB169038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.50	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.50	U	0.096	0.50	ug/L
72-20-8	Endrin	0.50	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.50	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		61 - 148	84%	SPK: 20

Comments:

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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\PL072925\
Data File : PL096630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:11
Operator : AR\AJ
Sample : Q2681-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
NYPA-POUCH-SPENT-CARBON

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:53:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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...	3.536	2.829	50436438	80642285	15.857	16.879
28) SA Decachlor...	9.014	7.993	46785501	90357523	19.619	20.828

Target Compounds

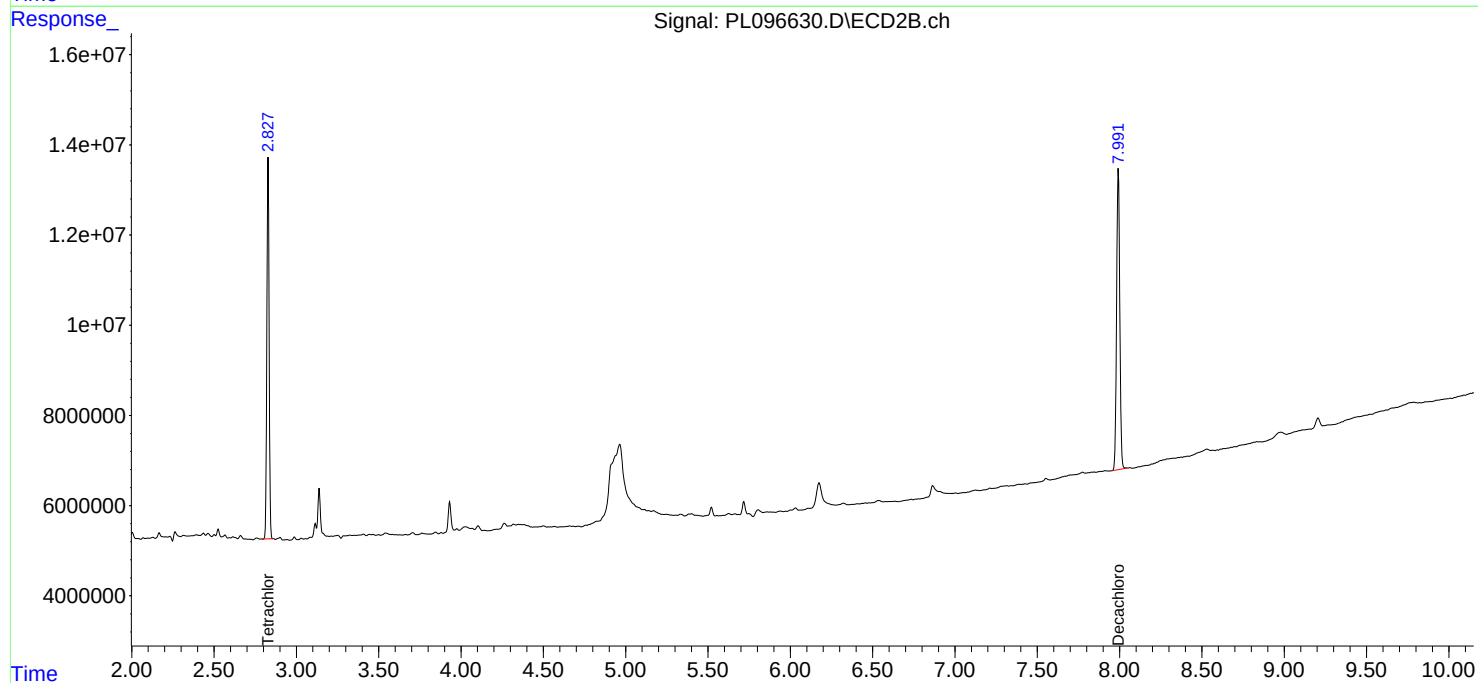
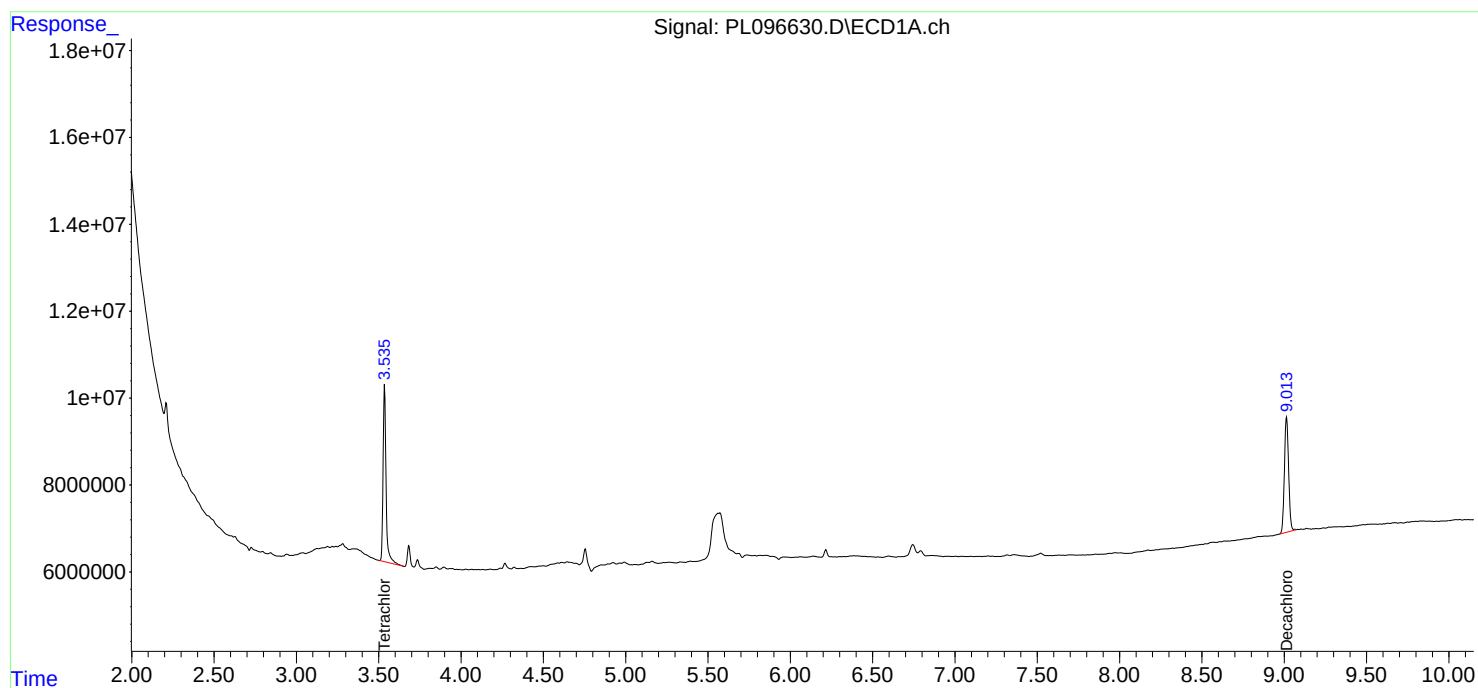
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

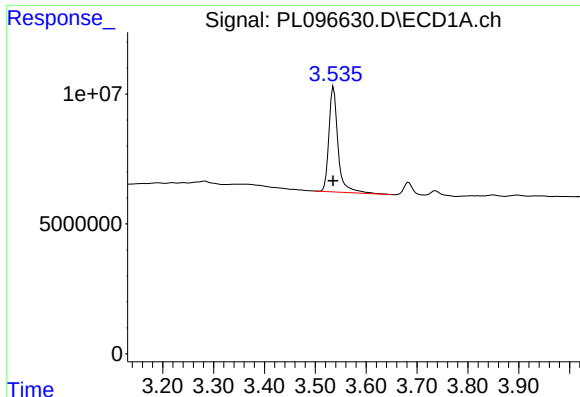
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:11
Operator : AR\AJ
Sample : Q2681-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
NYPA-POUCH-SPENT-CARBON

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:53:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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

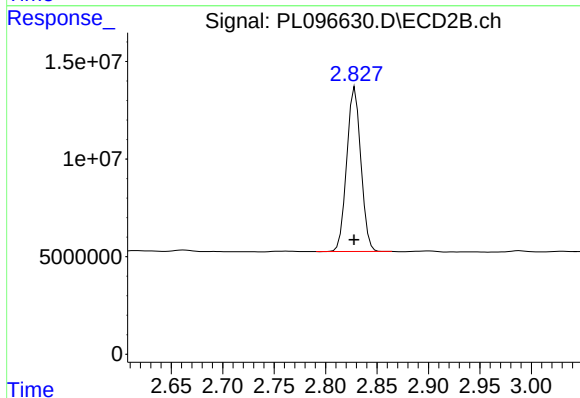




#1 Tetrachloro-m-xylene

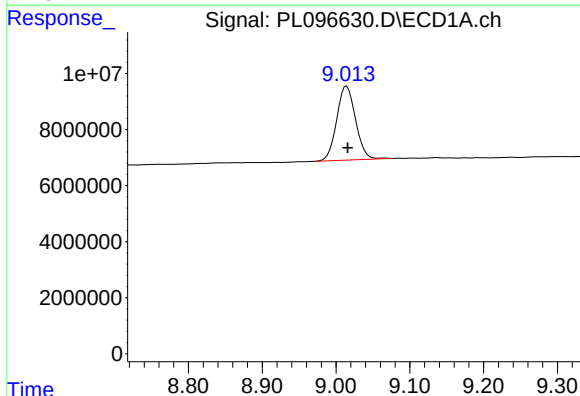
R.T.: 3.536 min
Delta R.T.: 0.001 min
Response: 50436438
Conc: 15.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
NYPA-POUCH-SPENT-CARBON



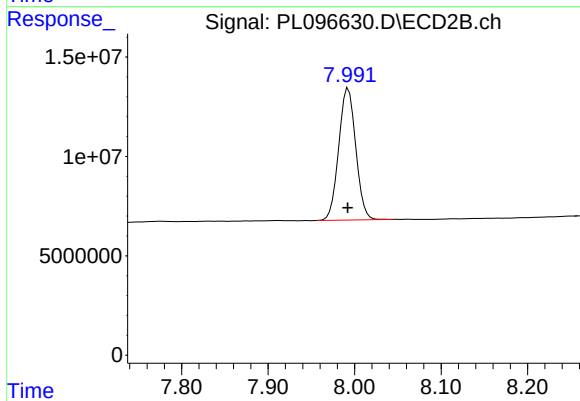
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.001 min
Response: 80642285
Conc: 16.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.014 min
Delta R.T.: -0.001 min
Response: 46785501
Conc: 19.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 90357523
Conc: 20.83 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>CORE02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2681</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):	<u>07/28/2025</u> <u>07/28/2025</u>
		Calibration Times:	<u>16:52</u> <u>17:47</u>

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

LAB FILE ID:	RT 100 = <u>PL096596.D</u>	RT 075 = <u>PL096597.D</u>
RT 050 = <u>PL096598.D</u>	RT 025 = <u>PL096599.D</u>	RT 005 = <u>PL096600.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
Endrin	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
gamma-BHC (Lindane)	4.31	4.31	4.31	4.31	4.31	4.31	4.21	4.41
Heptachlor	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Heptachlor epoxide	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Methoxychlor	7.46	7.46	7.46	7.46	7.46	7.46	7.36	7.56
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.53	3.53	3.43	3.63

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Instrument ID: ECD_L

Calibration Date(s): **07/28/2025** **07/28/2025**

Calibration Times: **16:52** **17:47**

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

LAB FILE ID:	RT 100 =	<u>PL096596.D</u>	RT 075 =	<u>PL096597.D</u>
	RT 050 =	PL096598.D	RT 025 =	PL096599.D
			RT 005 =	PL096600.D

[illegible]



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Instrument ID: ECD_L

Calibration Date(s): 07/28/2025 07/28/2025

Calibration Times: 16:52 17:47

GC Column: ZB-MR1

ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PL096596.D</u>	CF 075 =	<u>PL096597.D</u>		
CF 050 =		<u>PL096598.D</u>	CF 025 =	<u>PL096599.D</u>	CF 005 =	<u>PL096600.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2289370000	2250980000	2316430000	2450150000	2616360000	2384660000	6
Endrin	3129990000	2990370000	2986700000	3066080000	2960790000	3026790000	2
gamma-BHC (Lindane)	4576650000	4410990000	4390520000	4378210000	4360850000	4423440000	2
Heptachlor	4215340000	4096230000	4129500000	4154230000	4183150000	4155690000	1
Heptachlor epoxide	3888140000	3791890000	3847180000	3911860000	3843640000	3856540000	1
Methoxychlor	1449590000	1444460000	1478010000	1507550000	1462160000	1468350000	2
Tetrachloro-m-xylene	3176500000	3106160000	3136600000	3226680000	3257980000	3180780000	2



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Instrument ID: ECD_L

Calibration Date(s): 07/28/2025 07/28/2025

Calibration Times: 16:52 17:47

GC Column: ZB-MR2

ID: 0.32 (mm)

LAB FILE ID:							
CF 100 = <u>PL096596.D</u>		CF 075 = <u>PL096597.D</u>					
CF 050 = <u>PL096598.D</u>		CF 025 = <u>PL096599.D</u>		CF 005 = <u>PL096600.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4108230000	4098750000	4223500000	4429960000	4831160000	4338320000	7
Endrin	5415430000	5344790000	5376200000	5344400000	5549010000	5405970000	2
gamma-BHC (Lindane)	6730030000	6610730000	6634310000	6589530000	6452200000	6603360000	2
Heptachlor	6694450000	6605950000	6658580000	6695280000	6655490000	6661950000	1
Heptachlor epoxide	5706360000	5635230000	5698940000	5730960000	5785230000	5711340000	1
Methoxychlor	2677460000	2673930000	2731560000	2788840000	2830690000	2740500000	3
Tetrachloro-m-xylene	4740810000	4674260000	4731000000	4815490000	4927290000	4777770000	2



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG NO.: Q2681

Instrument ID: ECD_L Date(s) Analyzed: 07/28/2025 07/28/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.69	4.59	4.79	161999000
		2	5.21	5.11	5.31	166820000
		3	5.92	5.82	6.02	653028000
		4	6.00	5.90	6.10	807063000
		5	6.84	6.74	6.94	127993000
Toxaphene	500	1	6.21	6.11	6.31	29153500
		2	6.61	6.51	6.71	24445000
		3	7.02	6.92	7.12	110273000
		4	7.11	7.01	7.21	81046400
		5	7.89	7.79	7.99	57873100



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG NO.: Q2681

Instrument ID: ECD_L Date(s) Analyzed: 07/28/2025 07/28/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.84	3.74	3.94	200134000
		2	4.42	4.32	4.52	230006000
		3	5.05	4.95	5.15	672187000
		4	5.12	5.02	5.22	601242000
		5	6.01	5.91	6.11	244798000
Toxaphene	500	1	5.07	4.97	5.17	34047600
		2	5.76	5.66	5.86	44078700
		3	6.04	5.94	6.14	44632800
		4	6.67	6.57	6.77	147063000
		5	7.11	7.01	7.21	92006100

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096596.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:52
 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: Jul 29 07:44:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 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...	3.535	2.828	317.6E6	474.1E6	101.272	100.207
2)	SA Decachlor...	9.015	7.992	228.9E6	410.8E6	98.832	97.271
Target Compounds							
2)	A alpha-BHC	3.983	3.333	487.4E6	730.9E6	104.918	102.405
3)	MA gamma-BHC...	4.311	3.665	457.7E6	673.0E6	104.239	101.443
4)	MA Heptachlor	4.903	4.014	421.5E6	669.4E6	102.079	100.539
5)	MB Aldrin	5.243	4.297	441.8E6	631.1E6	103.507	101.291
6)	B beta-BHC	4.497	3.962	177.2E6	274.0E6	99.519	98.471
7)	B delta-BHC	4.743	4.195	416.2E6	662.1E6	104.604	101.941
8)	B Heptachlo...	5.663	4.799	388.8E6	570.6E6	101.065	100.130
9)	A Endosulfan I	6.044	5.170	366.8E6	535.7E6	103.730	99.895
10)	B gamma-Chl...	5.916	5.051	391.2E6	595.9E6	102.936	101.023
11)	B alpha-Chl...	5.997	5.115	388.4E6	580.6E6	102.147	100.103
12)	B 4,4'-DDE	6.167	5.304	338.2E6	565.3E6	107.460	102.036
13)	MA Dieldrin	6.316	5.435	384.9E6	597.4E6	103.679	101.286
14)	MA Endrin	6.543	5.709	313.0E6	541.5E6	104.797	100.730
15)	B Endosulfa...	6.755	6.001	306.9E6	511.7E6	100.875	99.885
16)	A 4,4'-DDD	6.676	5.857	261.5E6	474.0E6	103.616	100.989
17)	MA 4,4'-DDT	6.989	6.109	298.0E6	521.3E6	103.304	101.844
18)	B Endrin al...	6.883	6.179	212.9E6	359.0E6	100.197	95.686
19)	B Endosulfa...	7.118	6.403	287.5E6	500.8E6	100.826	98.910
20)	A Methoxychlor	7.462	6.681	145.0E6	267.7E6	98.077	98.019
21)	B Endrin ke...	7.597	6.907	302.3E6	548.9E6	100.645	99.278
22)	Mirex	8.076	7.098	237.9E6	412.0E6	97.547	96.837

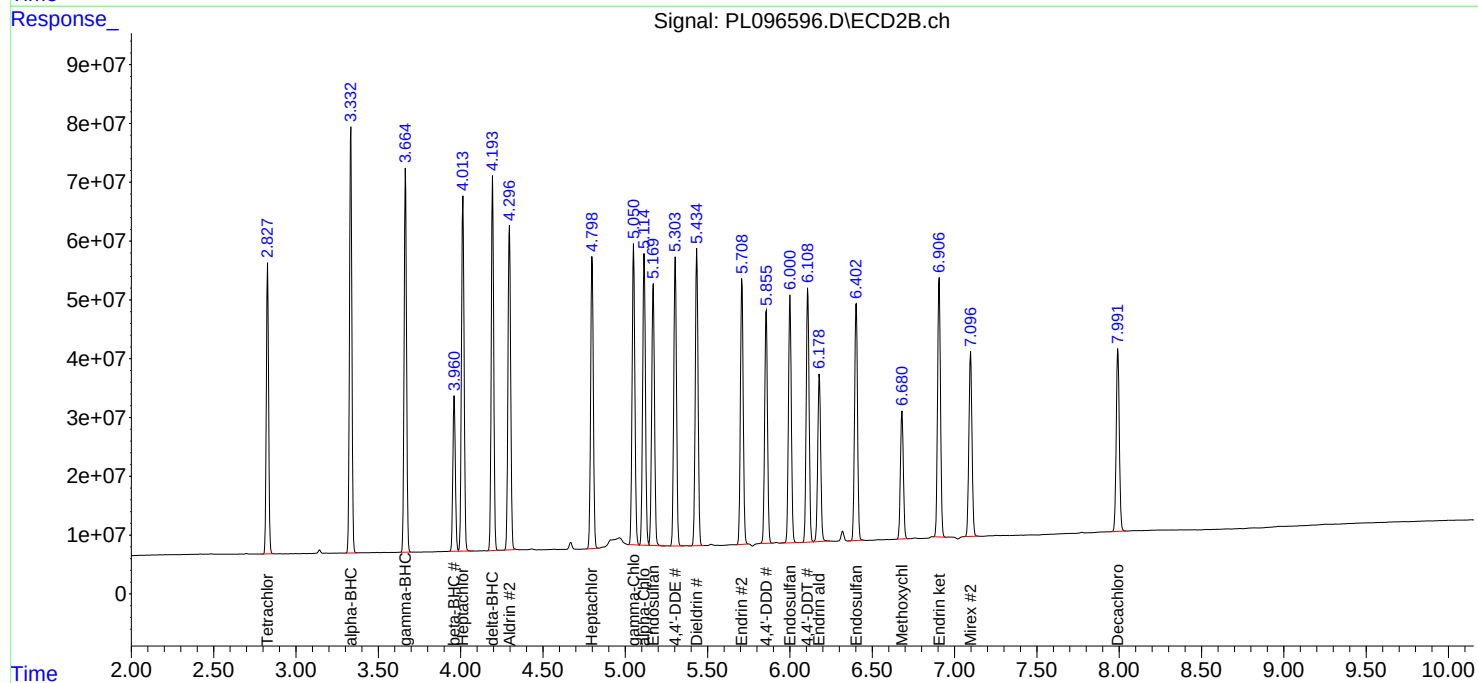
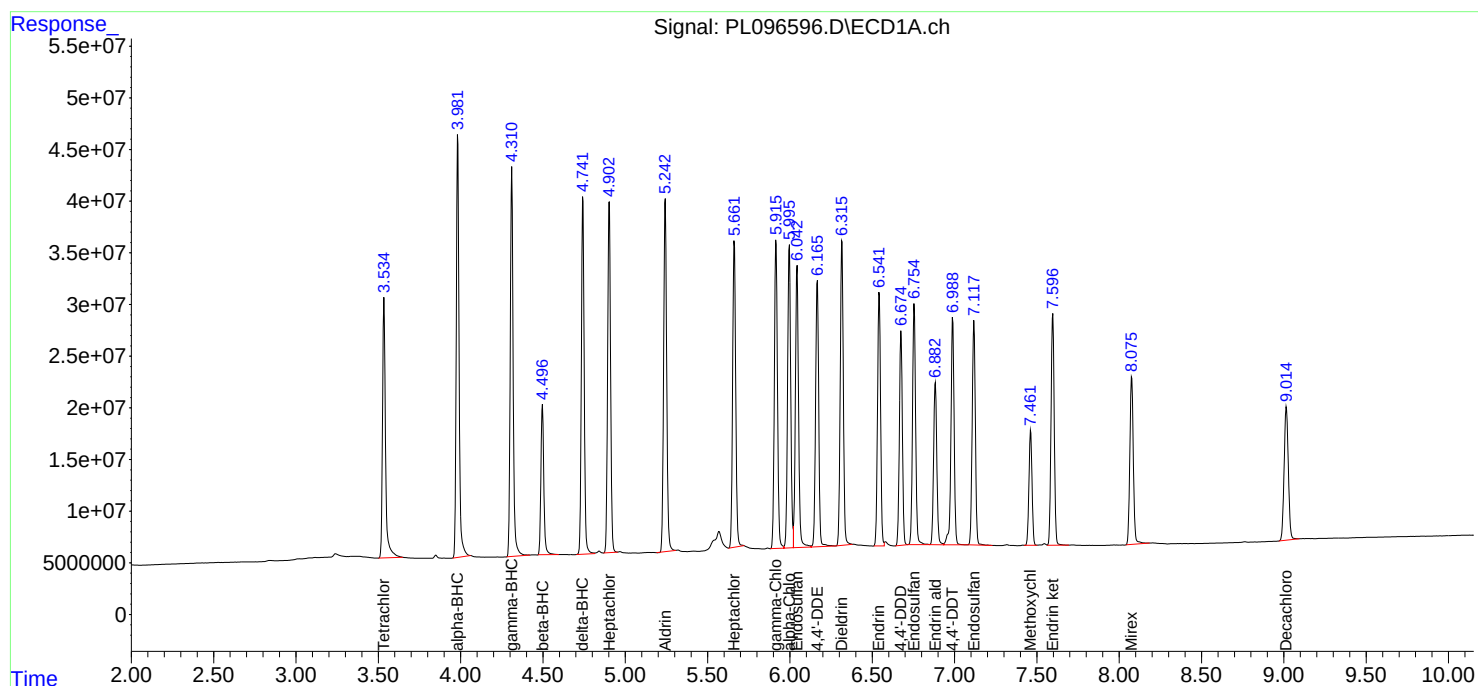
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:52
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: Jul 29 07:44:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 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\PL072825\
 Data File : PL096597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:06
 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: Jul 29 07:45:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 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...	3.535	2.828	233.0E6	350.6E6	74.272	74.101
28)	SA Decachlor...	9.016	7.992	168.8E6	307.4E6	72.881	72.785
Target Compounds							
2)	A alpha-BHC	3.983	3.334	351.4E6	537.0E6	75.654	75.236
3)	MA gamma-BHC...	4.311	3.665	330.8E6	495.8E6	75.350	74.733
4)	MA Heptachlor	4.903	4.014	307.2E6	495.4E6	74.396	74.407
5)	MB Aldrin	5.243	4.297	320.5E6	465.2E6	75.090	74.668
6)	B beta-BHC	4.497	3.961	131.3E6	204.8E6	73.714	73.601
7)	B delta-BHC	4.743	4.195	300.9E6	488.2E6	75.637	75.167
8)	B Heptachlo...	5.662	4.799	284.4E6	422.6E6	73.922	74.162
9)	A Endosulfan I	6.044	5.170	264.4E6	398.2E6	74.753	74.246
10)	B gamma-Chl...	5.916	5.051	285.1E6	439.3E6	75.003	74.487
11)	B alpha-Chl...	5.996	5.115	283.5E6	429.9E6	74.575	74.112
12)	B 4,4'-DDE	6.167	5.304	238.5E6	417.1E6	75.774	75.277
13)	MA Dieldrin	6.316	5.435	280.3E6	441.3E6	75.499	74.826
14)	MA Endrin	6.543	5.709	224.3E6	400.9E6	75.092	74.562
15)	B Endosulfa...	6.755	6.001	225.6E6	379.7E6	74.158	74.126
16)	A 4,4'-DDD	6.675	5.857	190.7E6	348.7E6	75.547	74.288
17)	MA 4,4'-DDT	6.990	6.109	217.6E6	383.6E6	75.446	74.937
18)	B Endrin al...	6.884	6.179	157.7E6	271.5E6	74.223	72.362
19)	B Endosulfa...	7.118	6.403	211.1E6	373.3E6	74.033	73.735
20)	A Methoxychlor	7.462	6.681	108.3E6	200.5E6	73.298	73.418
21)	B Endrin ke...	7.597	6.907	223.2E6	408.0E6	74.299	73.786
22)	Mirex	8.076	7.098	177.1E6	309.7E6	72.625	72.793

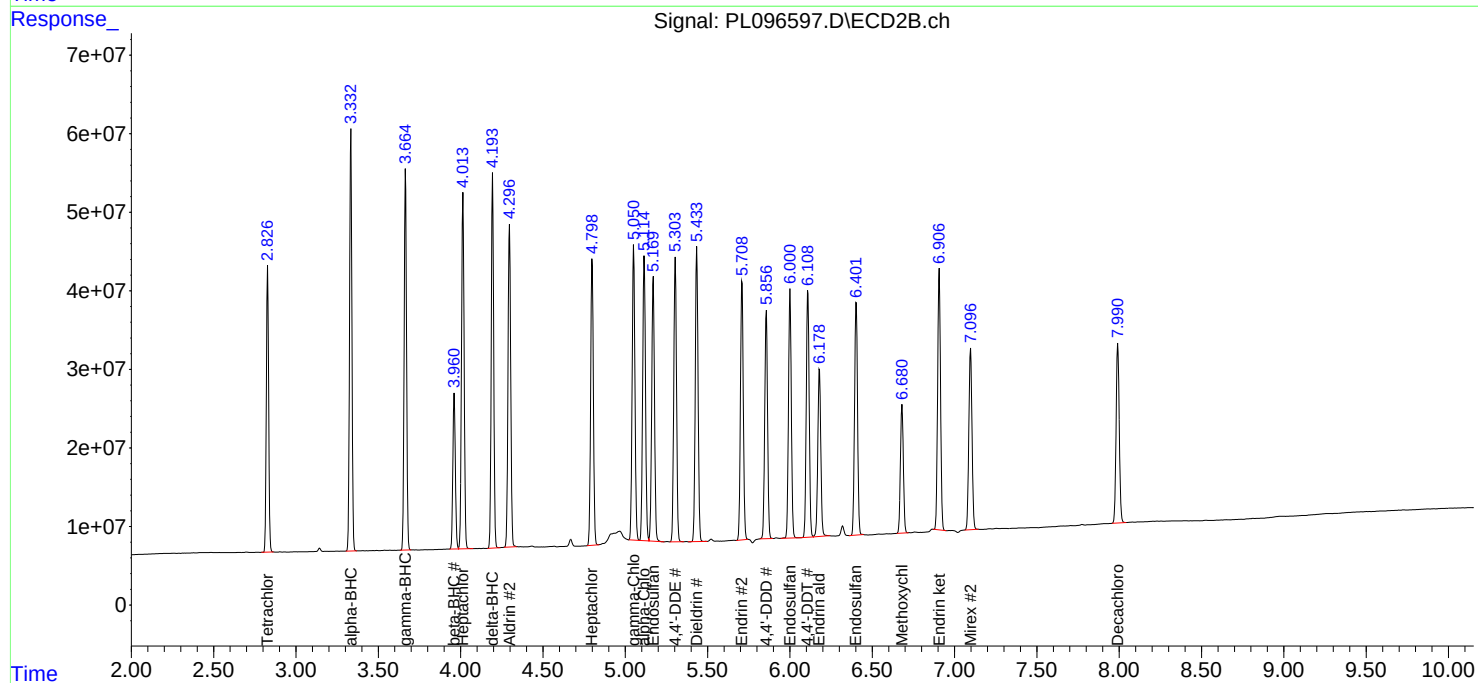
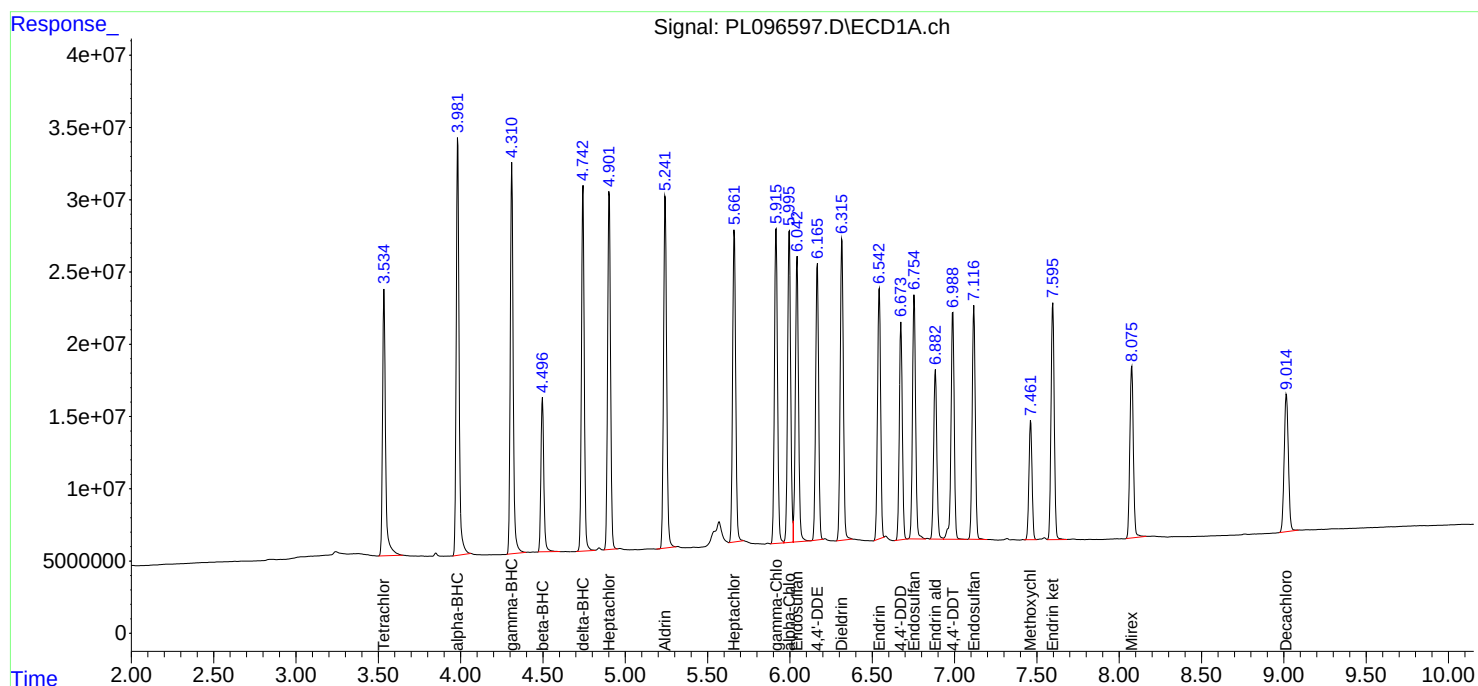
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:06
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: Jul 29 07:45:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 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\PL072825\
 Data File : PL096598.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:19
 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: Jul 29 07:45:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 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...	3.535	2.828	156.8E6	236.5E6	50.000	50.000
28)	SA Decachlor...	9.016	7.992	115.8E6	211.2E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.982	3.333	232.3E6	356.9E6	50.000	50.000
3)	MA gamma-BHC...	4.310	3.665	219.5E6	331.7E6	50.000	50.000
4)	MA Heptachlor	4.903	4.014	206.5E6	332.9E6	50.000	50.000
5)	MB Aldrin	5.243	4.297	213.4E6	311.5E6	50.000	50.000
6)	B beta-BHC	4.497	3.961	89051761	139.1E6	50.000	50.000
7)	B delta-BHC	4.743	4.195	198.9E6	324.8E6	50.000	50.000
8)	B Heptachlo...	5.662	4.799	192.4E6	284.9E6	50.000	50.000
9)	A Endosulfan I	6.044	5.169	176.8E6	268.1E6	50.000	50.000
10)	B gamma-Chl...	5.916	5.051	190.0E6	294.9E6	50.000	50.000
11)	B alpha-Chl...	5.997	5.115	190.1E6	290.0E6	50.000	50.000
12)	B 4,4'-DDE	6.166	5.304	157.4E6	277.0E6	50.000	50.000
13)	MA Dieldrin	6.316	5.434	185.6E6	294.9E6	50.000	50.000
14)	MA Endrin	6.542	5.709	149.3E6	268.8E6	50.000	50.000
15)	B Endosulfa...	6.755	6.001	152.1E6	256.1E6	50.000	50.000
16)	A 4,4'-DDD	6.675	5.856	126.2E6	234.7E6	50.000	50.000
17)	MA 4,4'-DDT	6.989	6.109	144.2E6	255.9E6	50.000	50.000
18)	B Endrin al...	6.884	6.179	106.2E6	187.6E6	50.000	50.000
19)	B Endosulfa...	7.118	6.402	142.6E6	253.1E6	50.000	50.000
20)	A Methoxychlor	7.462	6.681	73900571	136.6E6	50.000	50.000
21)	B Endrin ke...	7.597	6.907	150.2E6	276.5E6	50.000	50.000
22)	Mirex	8.076	7.097	121.9E6	212.7E6	50.000	50.000

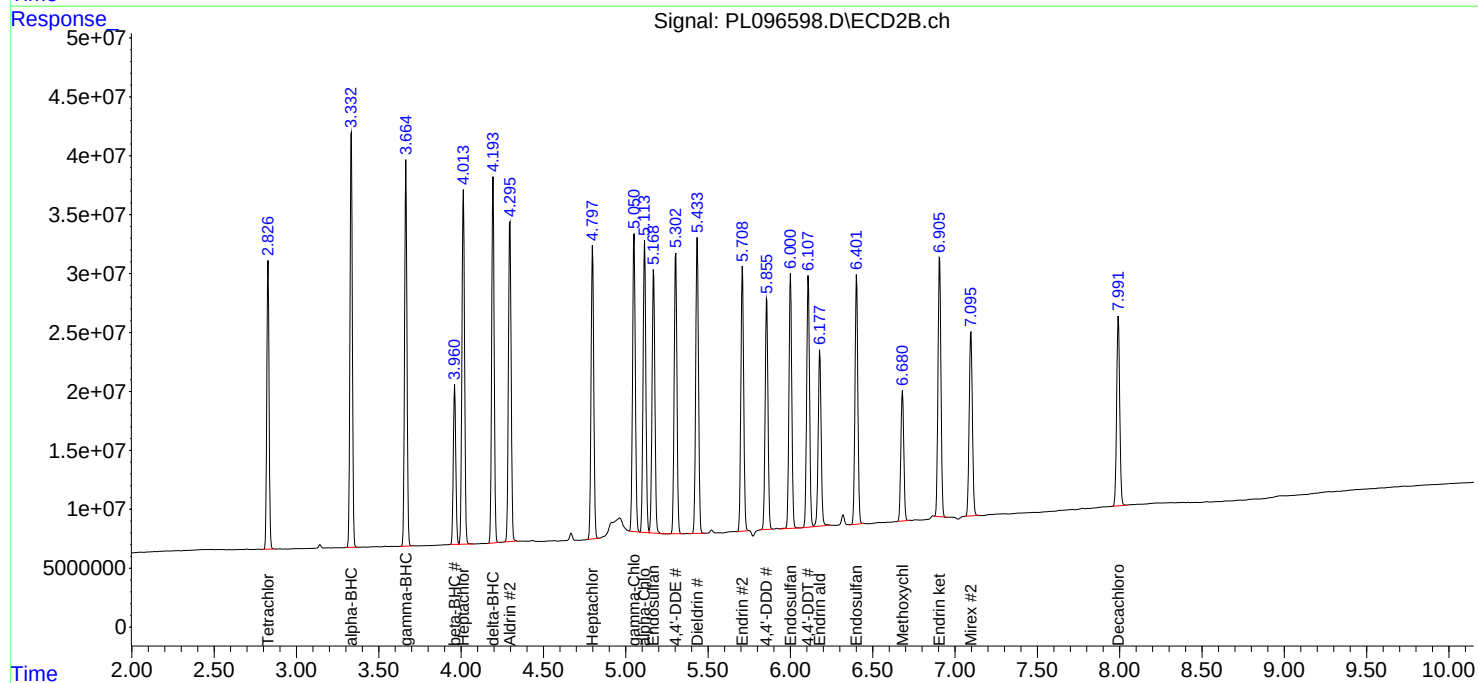
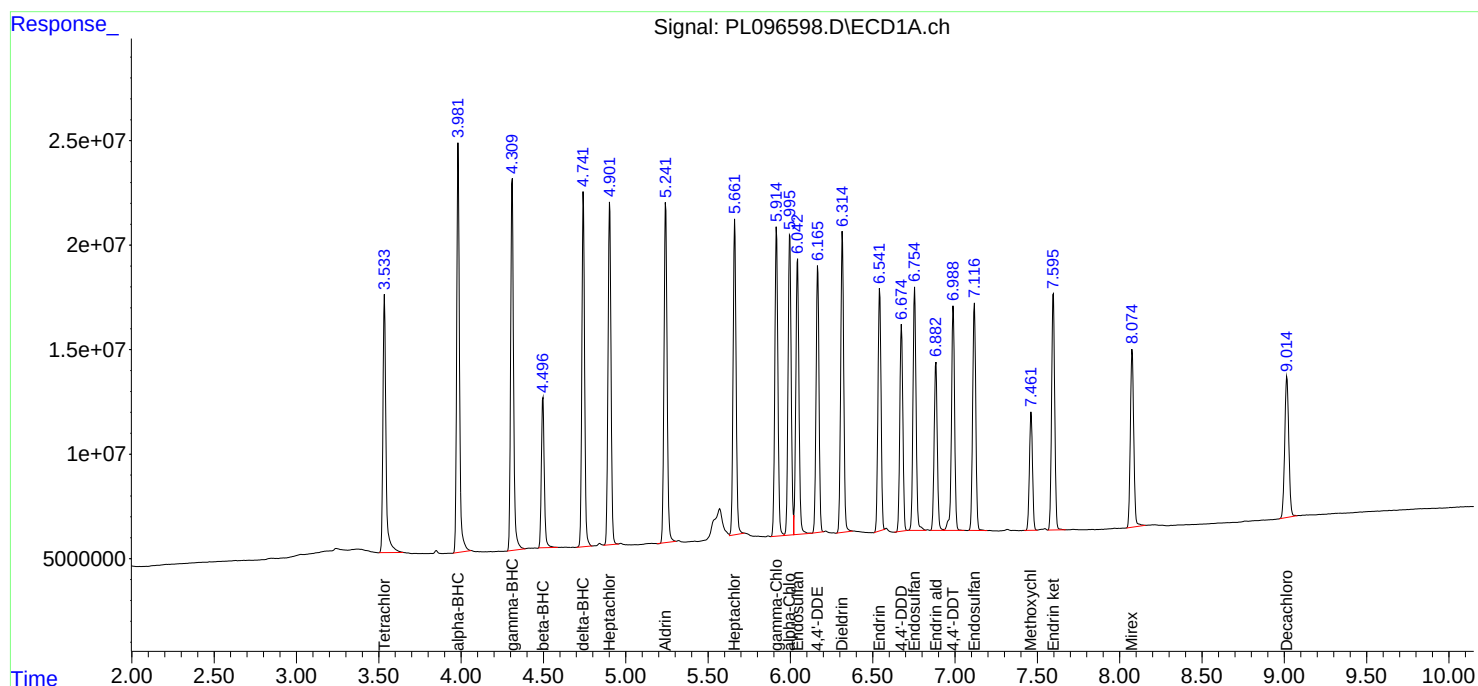
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:19
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: Jul 29 07:45:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 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\PL072825\
 Data File : PL096599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:33
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/29/2025
 Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 07:45:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 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...	3.535	2.828	80667083	120.4E6	25.718	25.447
28)	SA Decachlor...	9.016	7.992	61253778	110.7E6	26.443	26.222
Target Compounds							
2)	A alpha-BHC	3.983	3.333	113.7E6	176.1E6	24.483	24.678
3)	MA gamma-BHC...	4.311	3.665	109.5E6	164.7E6	24.930	24.831
4)	MA Heptachlor	4.903	4.014	103.9E6	167.4E6	25.150	25.138
5)	MB Aldrin	5.242	4.297	106.1E6	154.6E6	24.852	24.810
6)	B beta-BHC	4.497	3.961	46424655	71835591	26.066	25.815
7)	B delta-BHC	4.743	4.195	98875722	161.7E6	24.853	24.903
8)	B Heptachlo...	5.662	4.799	97796537	143.3E6	25.420	25.140
9)	A Endosulfan I	6.044	5.170	89274310	138.5E6	25.243	25.835
10)	B gamma-Chl...	5.916	5.051	95166219	147.9E6	25.039	25.072
11)	B alpha-Chl...	5.996	5.115	96944619	147.4E6	25.499	25.414
12)	B 4,4'-DDE	6.166	5.303	77835138	135.9E6	24.731	24.536
13)	MA Dieldrin	6.316	5.434	91962286	148.1E6	24.768	25.106
14)	MA Endrin	6.542	5.709	76652120	133.6E6	25.664	24.852
15)	B Endosulfa...	6.755	6.001	79391270	129.4E6	26.092	25.256
16)	A 4,4'-DDD	6.675	5.856	62524397	117.6E6	24.773	25.050
17)	MA 4,4'-DDT	6.989	6.109	70933756	126.1E6	24.589	24.645
18)	B Endrin al...	6.884	6.177	54110594	98803191	25.464	26.338m
19)	B Endosulfa...	7.117	6.403	71756969	128.4E6	25.163	25.362
20)	A Methoxychlor	7.462	6.681	37688830	69721101	25.500	25.524
21)	B Endrin ke...	7.597	6.905	75730573	146.9E6	25.211	26.570m
22)	Mirex	8.076	7.097	63693911	111.6E6	26.118	26.231

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

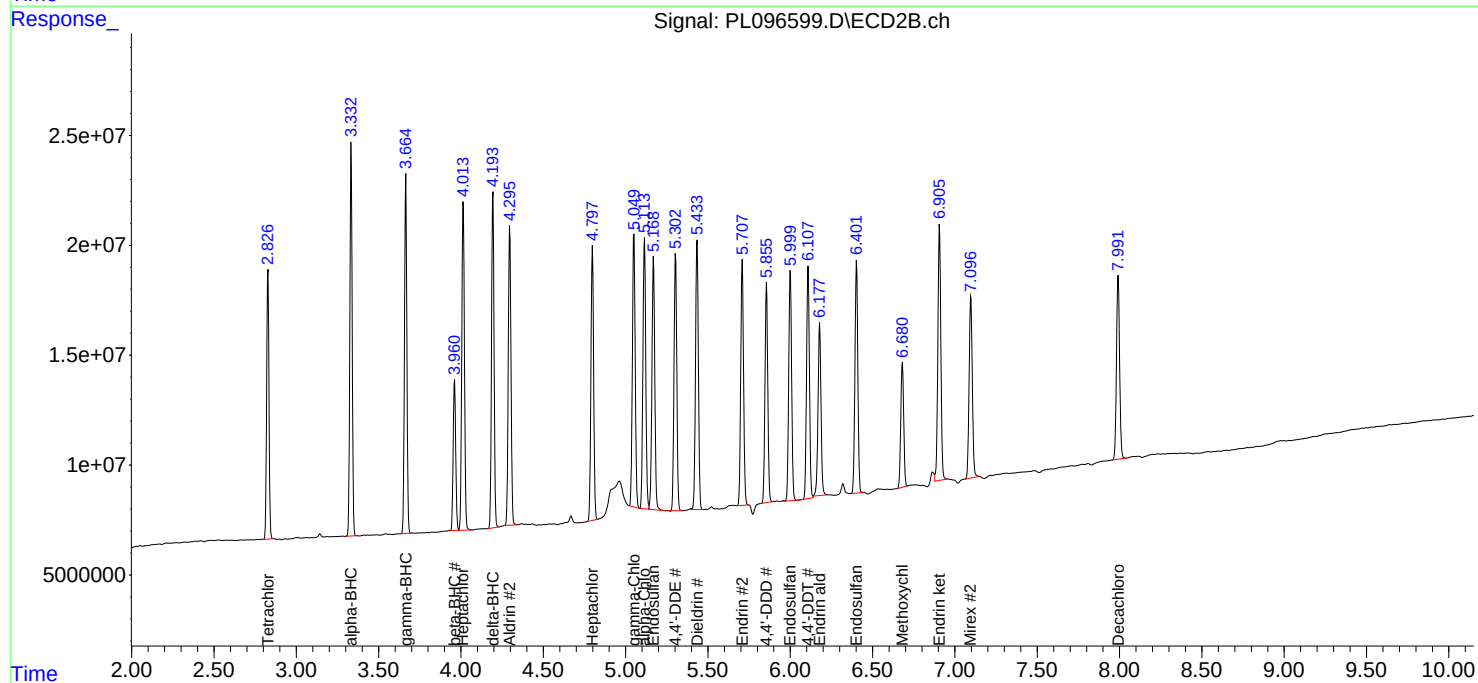
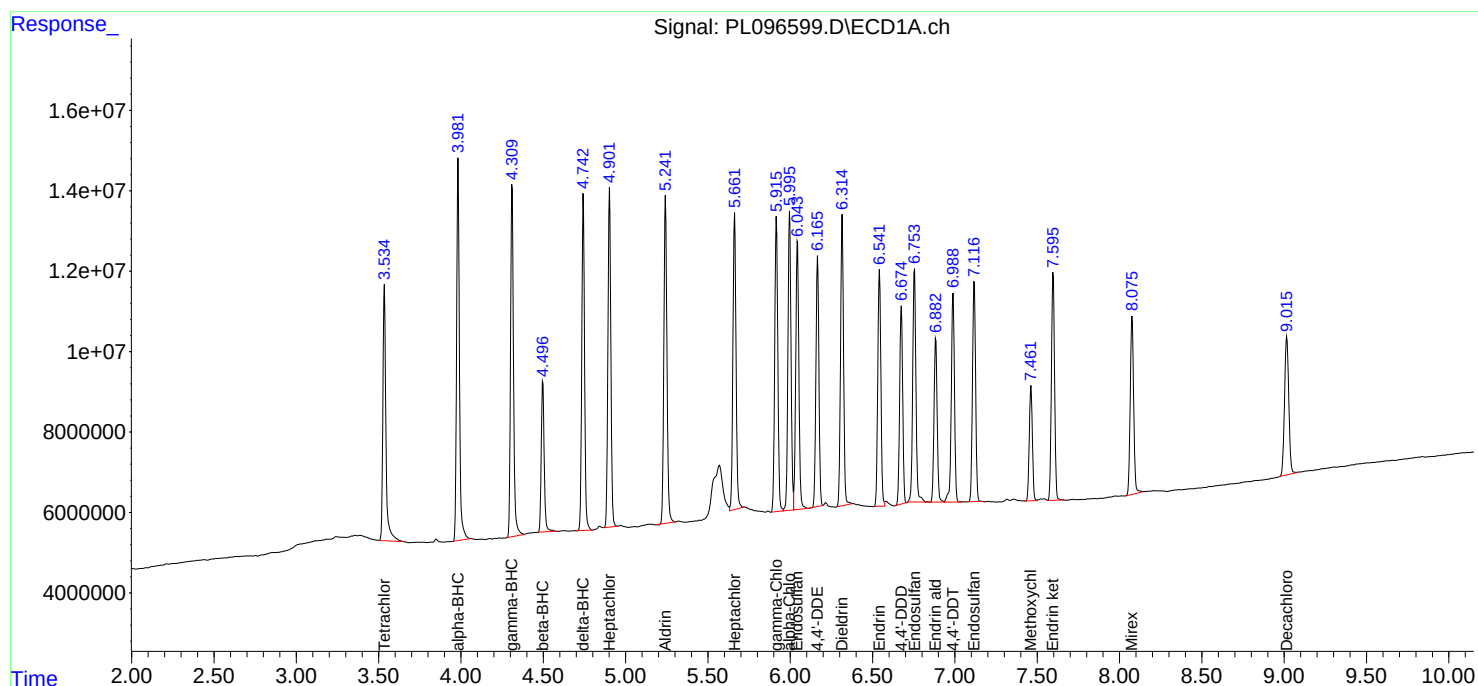
APPROVED

Reviewed By :Abdul Mirza 07/29/2025

Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 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\PL072825\
 Data File : PL096600.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:47
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/29/2025
 Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 07:45:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 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...	3.534	2.827	16289913	24636469	5.193	5.207
28) SA Decachlor...	9.016	7.992	13081800	24155779	5.647	5.719
Target Compounds						
2) A alpha-BHC	3.981	3.333	21891026	33671129	4.713	4.718
3) MA gamma-BHC...	4.310	3.664	21804234	32260997	4.966	4.863
4) MA Heptachlor	4.901	4.013	20915741	33277461	5.065m	4.998
5) MB Aldrin	5.240	4.296	21509762	30546909	5.039m	4.903
6) B beta-BHC	4.497	3.961	9319336	14886777	5.233	5.350
7) B delta-BHC	4.742	4.194	19209773	31362311	4.828	4.829
8) B Heptachlo...	5.660	4.798	19218202	28926139	4.995m	5.076
9) A Endosulfan I	6.043	5.169	18404240	30432392	5.204	5.675
10) B gamma-Chl...	5.915	5.050	18527805	28851412	4.875	4.891
11) B alpha-Chl...	5.996	5.115	19648624	31301796	5.168	5.397
12) B 4,4'-DDE	6.165	5.303	16169148	26895387	5.138	4.854
13) MA Dieldrin	6.315	5.434	17886564	29267822	4.817	4.962
14) MA Endrin	6.541	5.709	14803966	27745055	4.957	5.161
15) B Endosulfa...	6.753	6.000	18583621	26018008	6.107m	5.079
16) A 4,4'-DDD	6.674	5.856	12297723	23708739	4.873	5.052
17) MA 4,4'-DDT	6.989	6.108	13672011	24000169	4.739	4.689
18) B Endrin al...	6.884	6.177	11040304	28959356	5.195	7.720m#
19) B Endosulfa...	7.117	6.402	14782385	26237528	5.184	5.182
20) A Methoxychlor	7.462	6.681	7310793	14153462	4.946	5.181
21) B Endrin ke...	7.597	6.907	15006830	27568439	4.996	4.986
22) Mirex	8.076	7.097	13350221	24190284	5.474	5.686

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

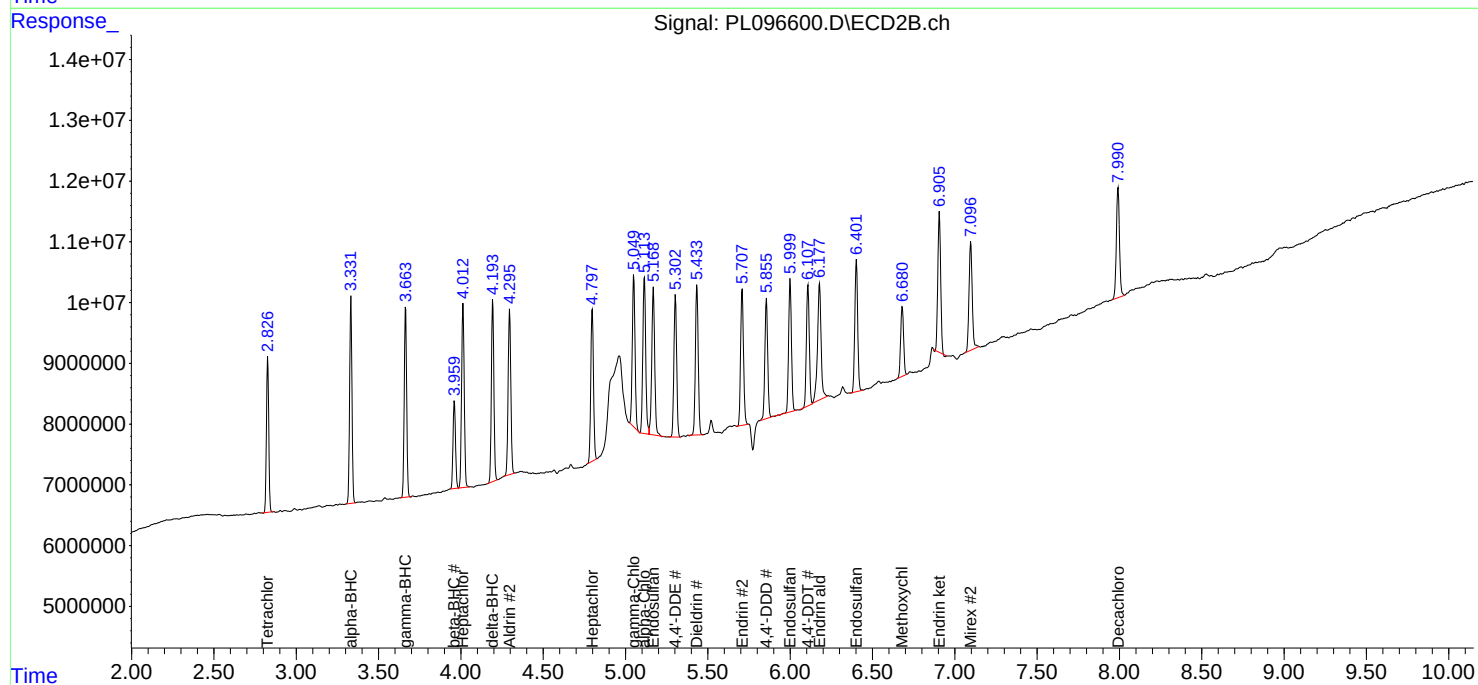
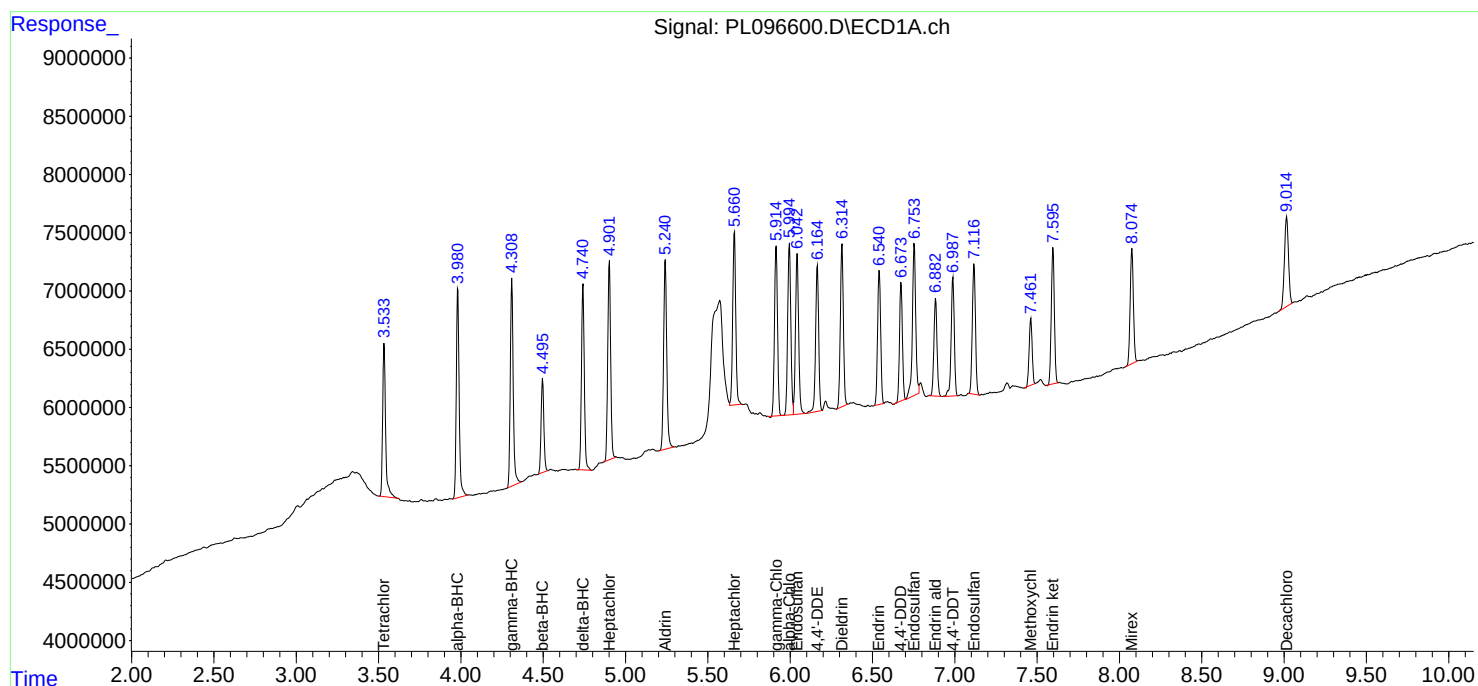
APPROVED

Reviewed By :Abdul Mirza 07/29/2025

Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 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\PL072825\
 Data File : PL096603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 18:27
 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: Jul 29 08:11:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:08:04 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...	3.535	2.827	154.7E6	305.4E6	50.000	50.000
28)	SA Decachlor...	9.015	7.991	113.6E6	210.4E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.689	3.838	80999277	100.1E6	500.000	500.000
24)	Chlordane-2	5.213	4.418	83409909	115.0E6	500.000	500.000
25)	Chlordane-3	5.917	5.052	326.5E6	336.1E6	500.000	500.000
26)	Chlordane-4	6.001	5.115	403.5E6	300.6E6	500.000	500.000
27)	Chlordane-5	6.838	6.009	63996555	122.4E6	500.000	500.000

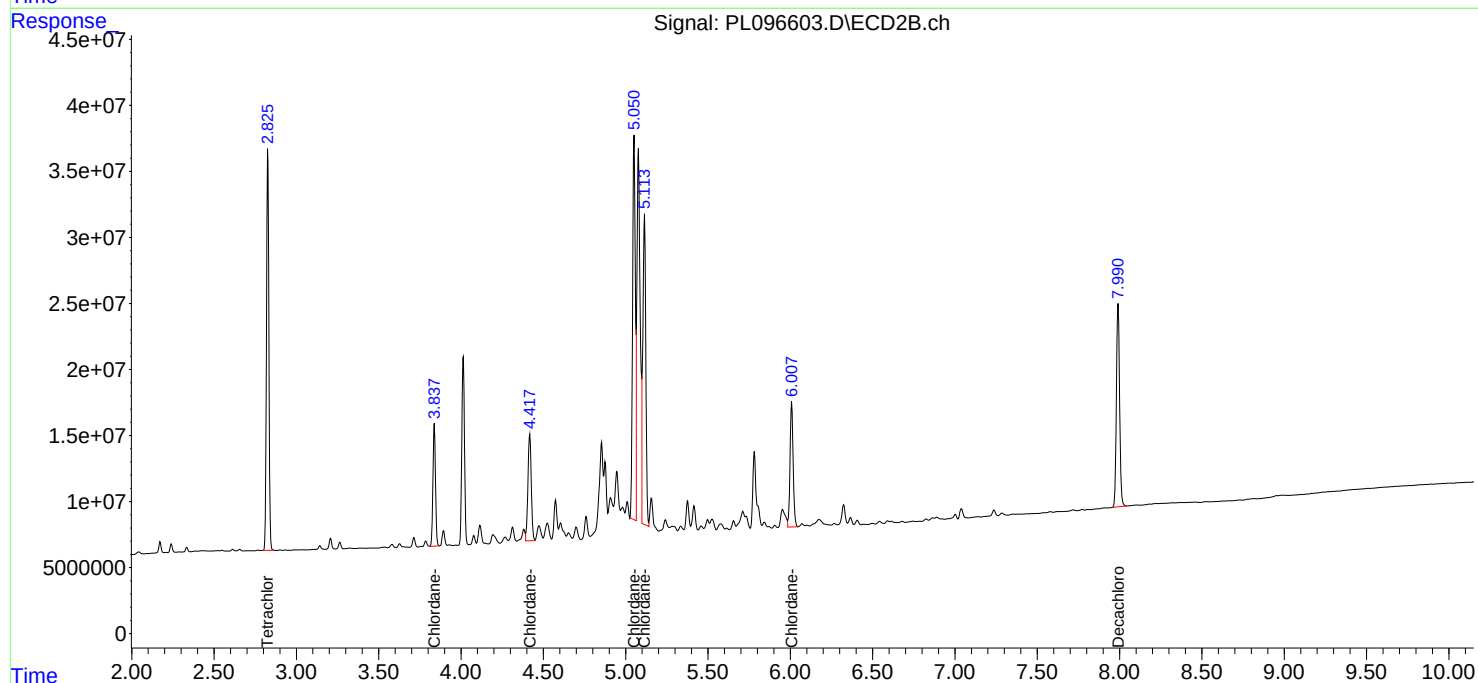
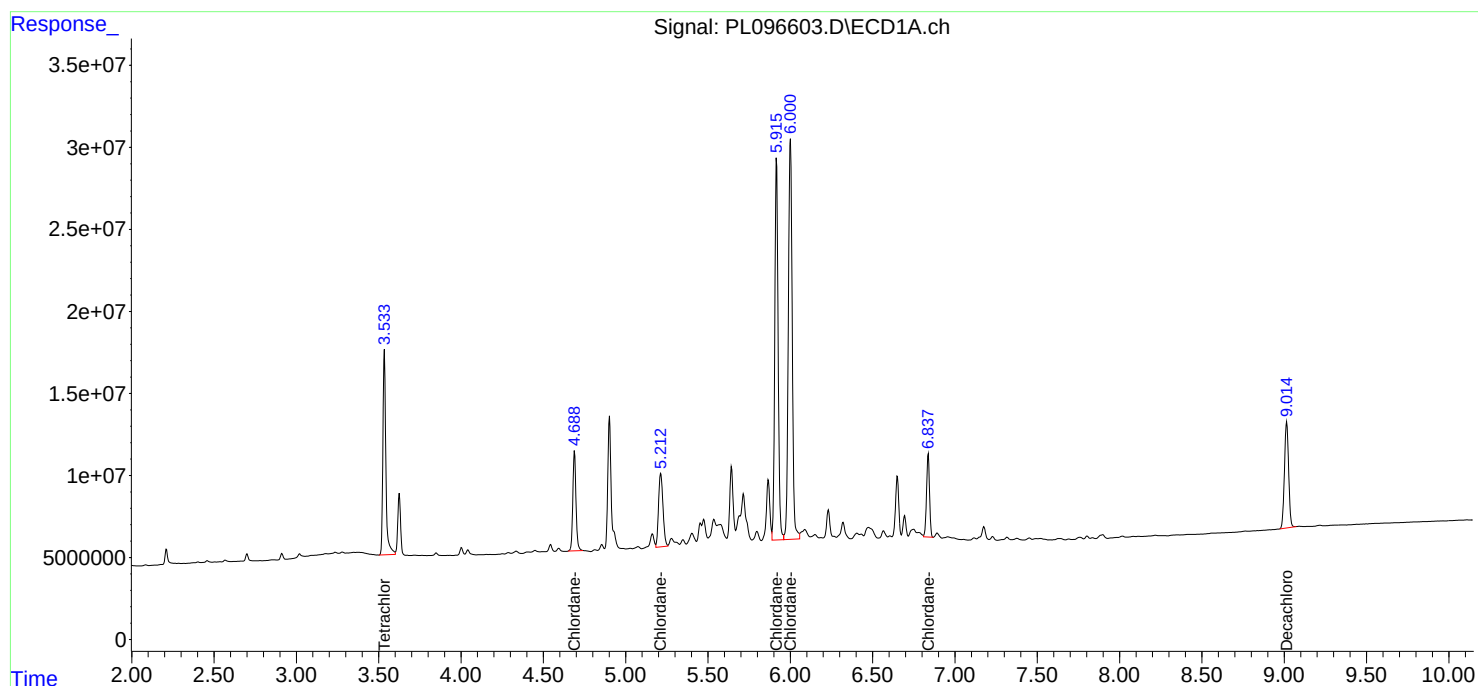
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 18:27
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: Jul 29 08:11:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:08:04 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\PL072825\
 Data File : PL096608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 19:36
 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: Jul 29 08:35:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:34:10 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...	3.535	2.828	165.3E6	248.4E6	50.000	50.000
7) SA Decachlor...	9.015	7.992	122.2E6	228.1E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.211	5.073	14576752	17023794	500.000	500.000
3) Toxaphene-2	6.610	5.758	12222511	22039332	500.000	500.000
4) Toxaphene-3	7.024	6.039	55136340	22316397	500.000	500.000
5) Toxaphene-4	7.114	6.673	40523177	73531411	500.000	500.000
6) Toxaphene-5	7.892	7.114	28936559	46003063	500.000	500.000

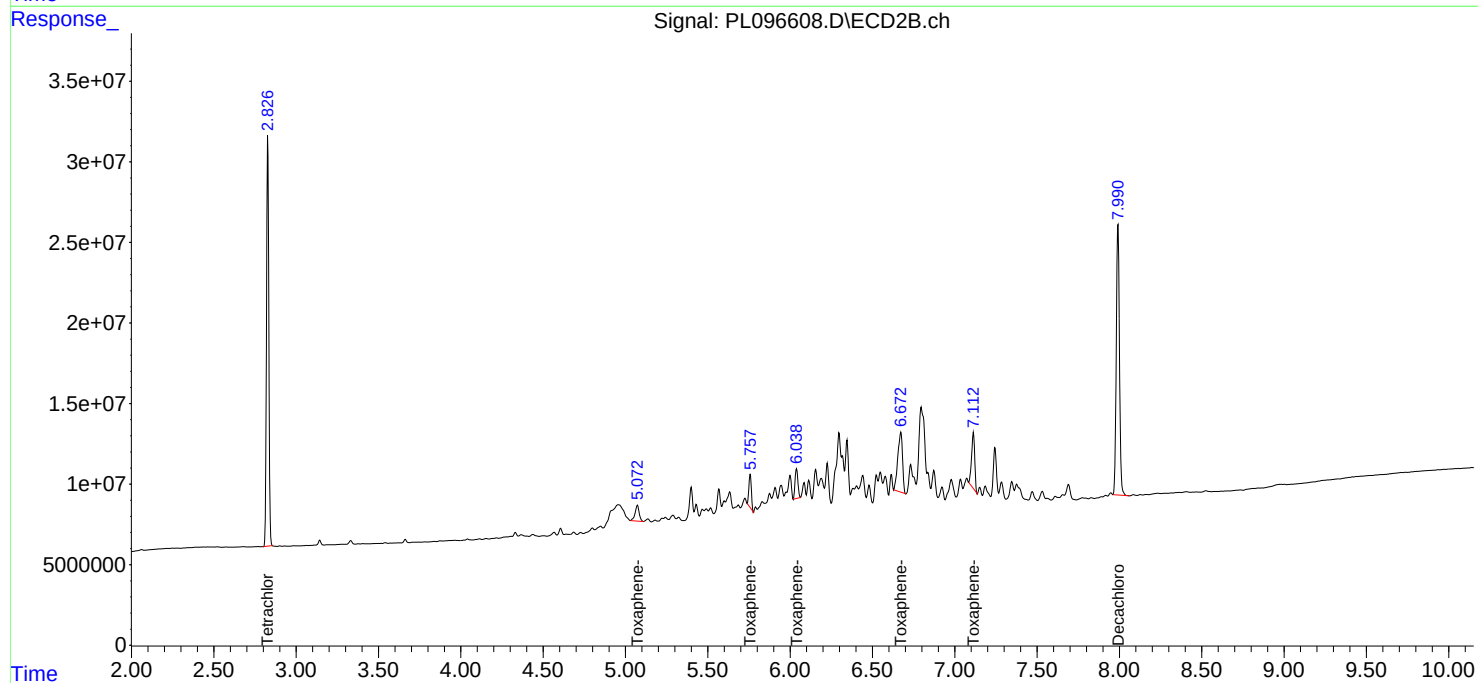
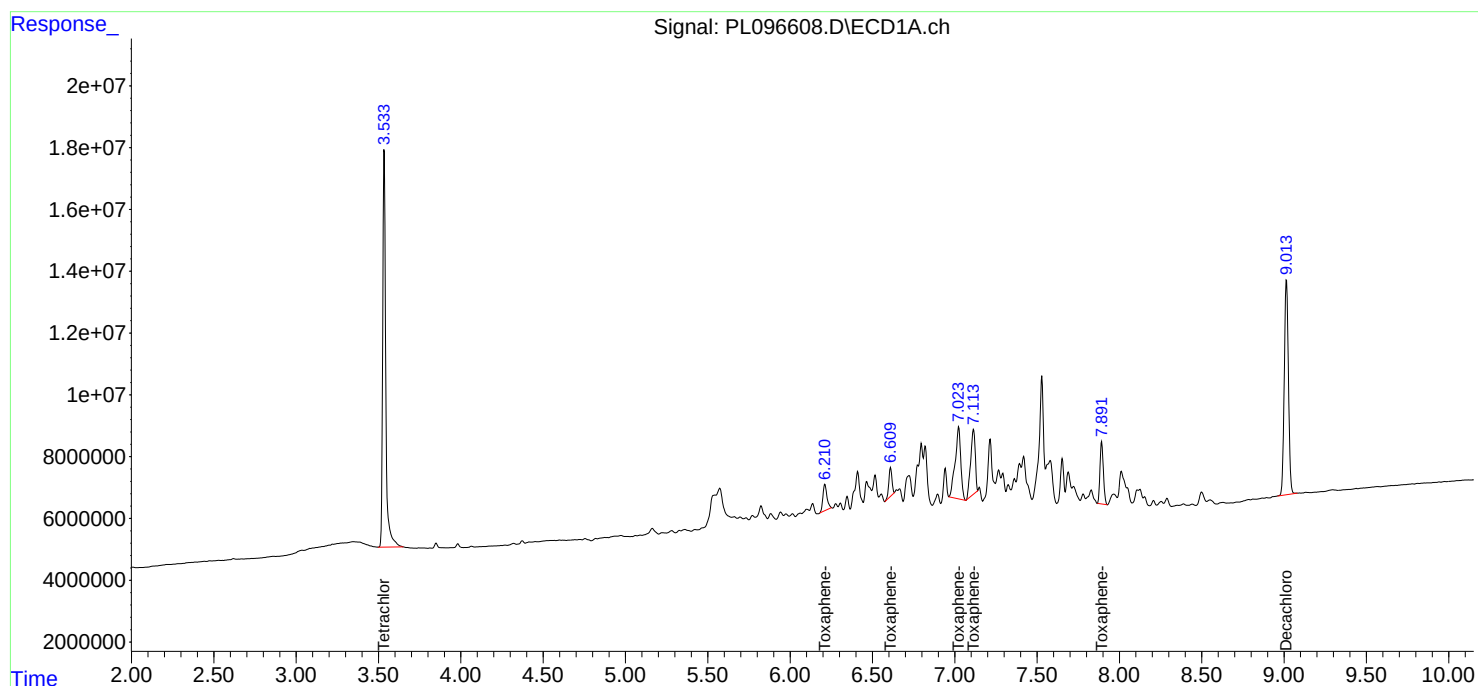
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 19:36
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: Jul 29 08:35:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:34:10 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\PL072825\
 Data File : PL096611.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 20:17
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL072825

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/29/2025
 Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 08:47:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:20:04 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...	3.535	2.828	161.0E6	247.3E6	50.630	51.756
28)	SA Decachlor...	9.015	7.992	117.1E6	221.9E6	49.100	51.159
Target Compounds							
2)	A alpha-BHC	3.983	3.334	237.2E6	373.0E6	51.282	52.705
3)	MA gamma-BHC...	4.311	3.666	223.6E6	346.0E6	50.545	52.400
4)	MA Heptachlor	4.903	4.014	211.3E6	346.4E6	50.843	51.992
5)	MB Aldrin	5.243	4.297	215.6E6	324.1E6	50.122	52.220
6)	B beta-BHC	4.497	3.961	91859349	145.4E6	50.893	51.555
7)	B delta-BHC	4.742	4.195	202.5E6	338.7E6	50.758m	52.325
8)	B Heptachlo...	5.662	4.799	194.2E6	295.6E6	50.346	51.754
9)	A Endosulfan I	6.044	5.170	178.4E6	277.2E6	49.613	50.116
10)	B gamma-Chl...	5.916	5.051	193.4E6	305.7E6	50.837	51.997
11)	B alpha-Chl...	5.996	5.115	191.7E6	300.1E6	49.735	50.869
12)	B 4,4'-DDE	6.166	5.304	158.1E6	286.3E6	49.223	51.924
13)	MA Dieldrin	6.316	5.435	186.8E6	306.3E6	50.341	51.858
14)	MA Endrin	6.543	5.709	147.3E6	272.8E6	48.674	50.462
15)	B Endosulfa...	6.755	6.001	158.8E6	265.2E6	49.582	51.632
16)	A 4,4'-DDD	6.675	5.856	126.9E6	242.0E6	50.209	51.423
17)	MA 4,4'-DDT	6.989	6.109	144.5E6	261.7E6	50.400	51.730
18)	B Endrin al...	6.883	6.179	108.5E6	197.4E6	50.570	53.386
19)	B Endosulfa...	7.117	6.402	143.9E6	262.8E6	50.068	51.670
20)	A Methoxychlor	7.462	6.681	74330342	140.5E6	50.622	51.276
21)	B Endrin ke...	7.597	6.907	153.3E6	289.7E6	50.977	52.006
22)	Mirex	8.076	7.097	123.5E6	221.2E6	49.793	50.730

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL072825

Manual Integrations

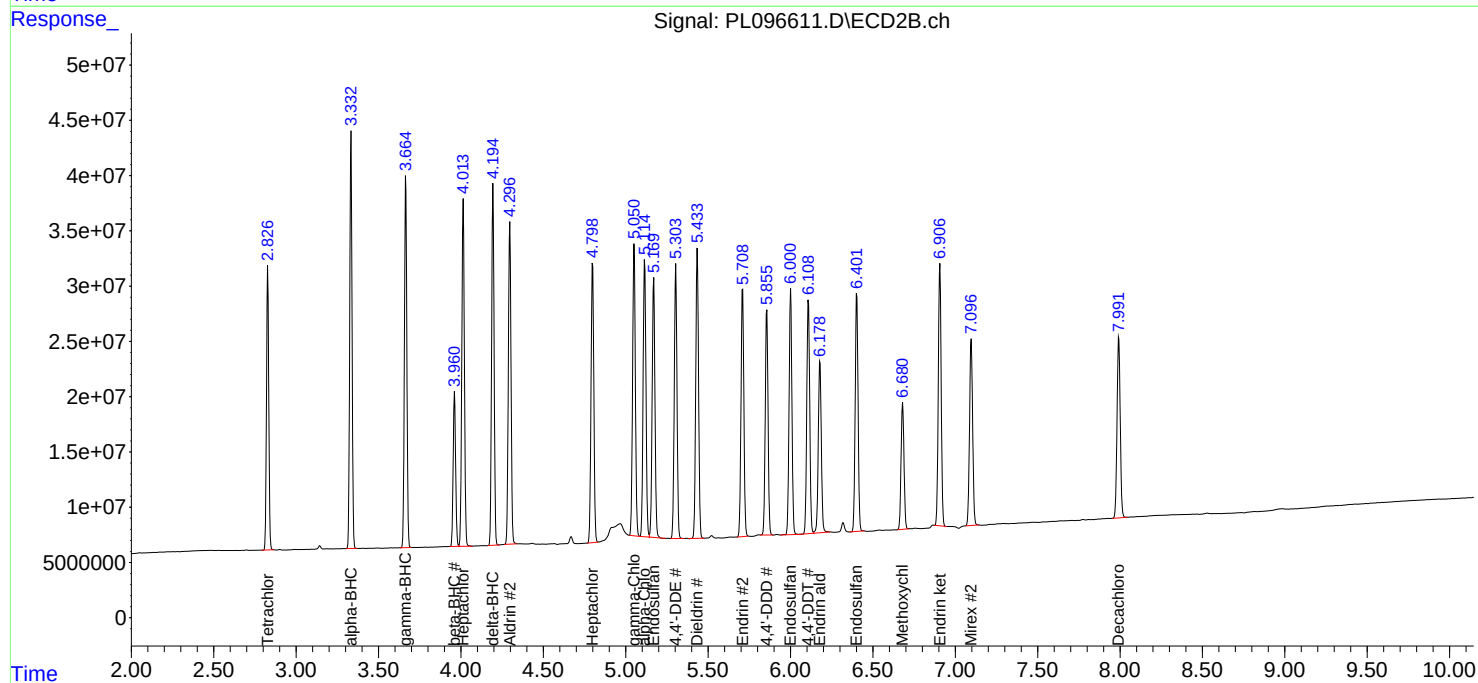
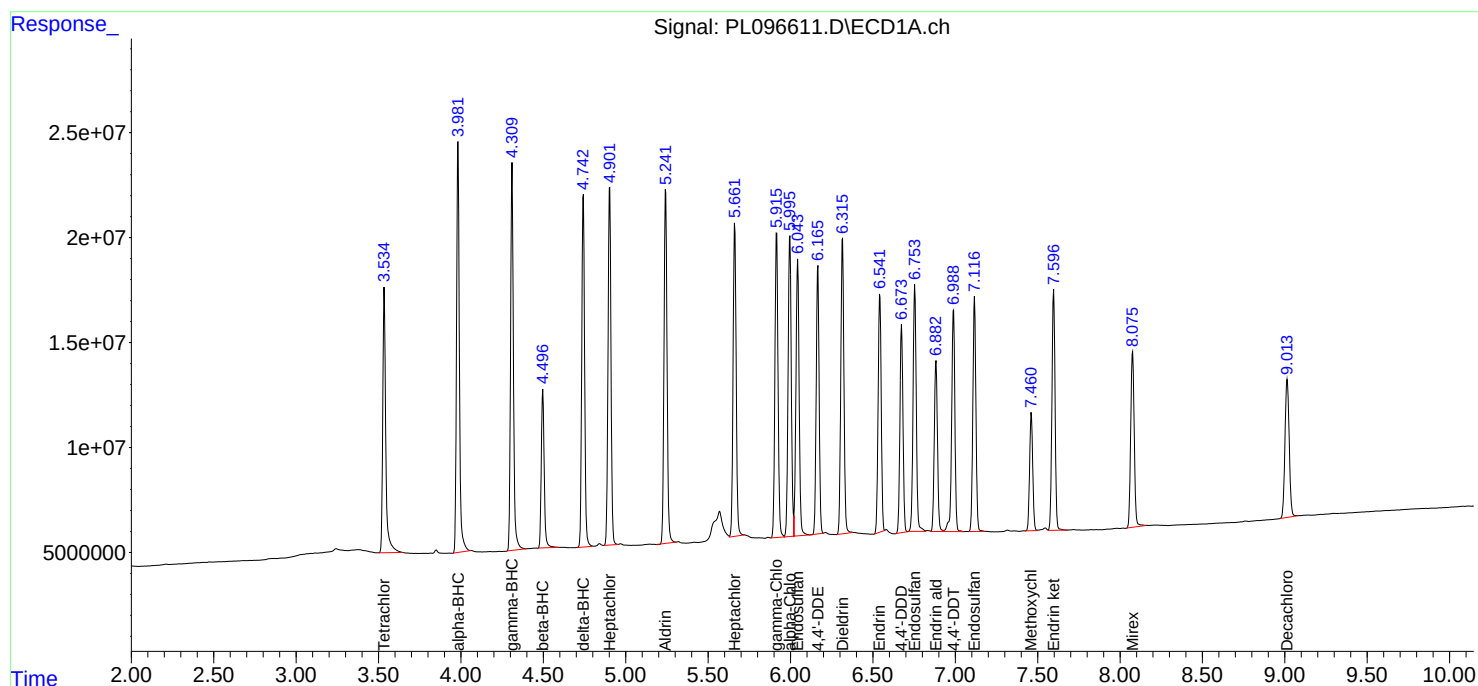
APPROVED

Reviewed By :Abdul Mirza 07/29/2025

Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:47:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:20:04 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\PL072825\
 Data File : PL096612.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 20:30
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL072825CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 08:55:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:54:31 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...	3.535	2.827	154.8E6	316.7E6	47.871	49.966
28)	SA Decachlor...	9.015	7.992	113.5E6	222.0E6	47.145	49.453
Target Compounds							
23)	Chlordane-1	4.690	3.838	80607891	104.0E6	473.847	496.105
24)	Chlordane-2	5.213	4.418	83986656	119.9E6	479.905	494.099
25)	Chlordane-3	5.916	5.052	326.6E6	350.0E6	488.971	503.359
26)	Chlordane-4	6.001	5.115	403.7E6	311.5E6	487.701	500.585
27)	Chlordane-5	6.837	6.009	65027237	126.7E6	492.093	496.824

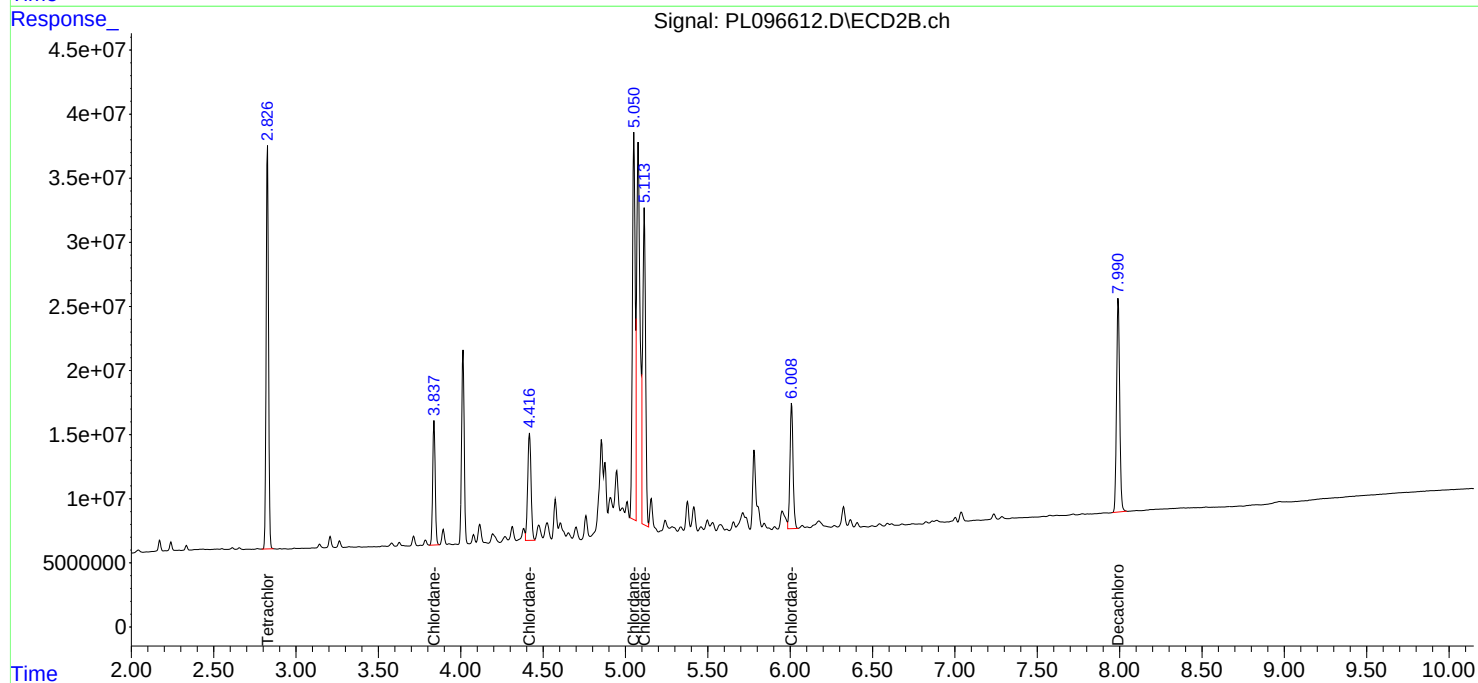
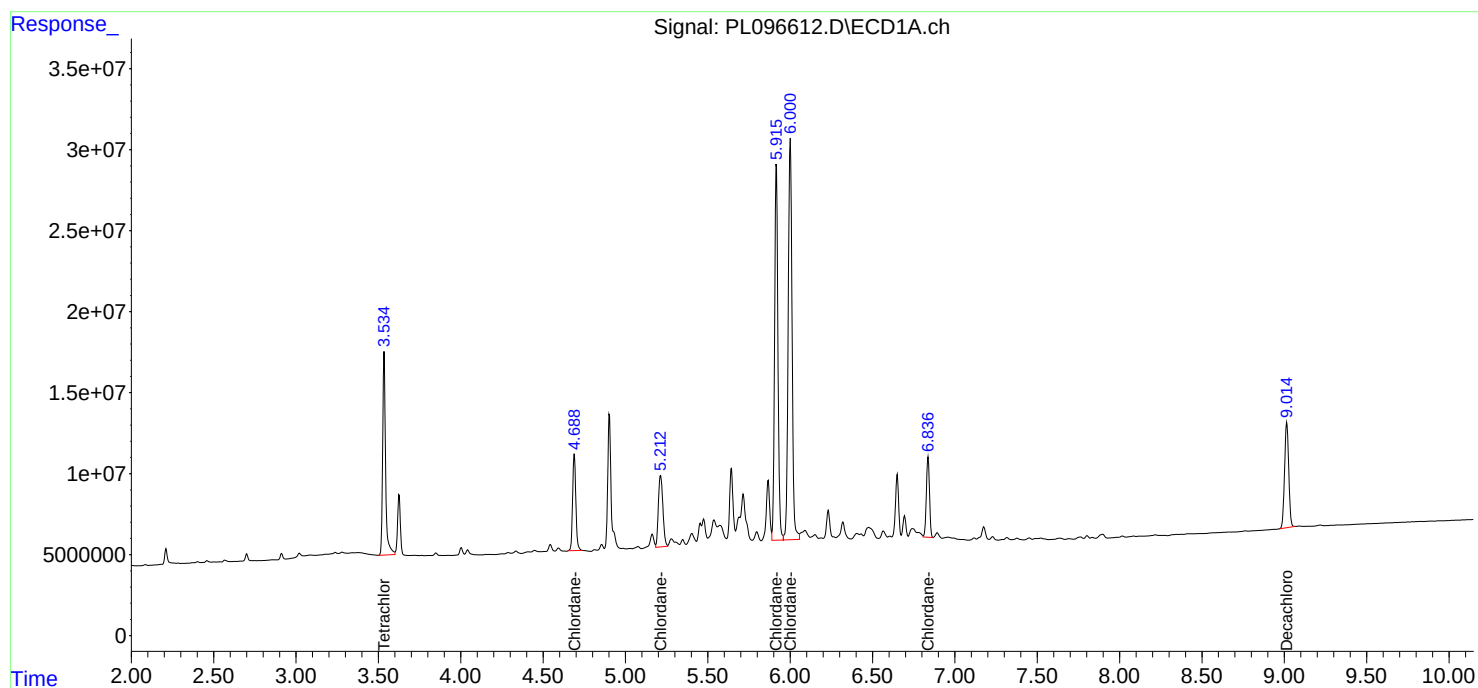
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:30
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL072825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:55:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:54:31 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\PL072825\
 Data File : PL096613.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 20:44
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL072825TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 08:44:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:34:10 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...	3.535	2.828	164.1E6	258.6E6	49.947	51.929
7)	SA Decachlor...	9.014	7.992	120.3E6	236.1E6	49.392	51.610
Target Compounds							
2)	Toxaphene-1	6.212	5.073	14190391	17789145	489.875	553.733
3)	Toxaphene-2	6.610	5.758	12405709	23067030	497.996	497.225
4)	Toxaphene-3	7.024	6.039	55105169	23947233	509.037	538.316
5)	Toxaphene-4	7.115	6.674	40563132	76066827	504.413	528.221
6)	Toxaphene-5	7.893	7.114	28221438	47221819	500.810	513.882

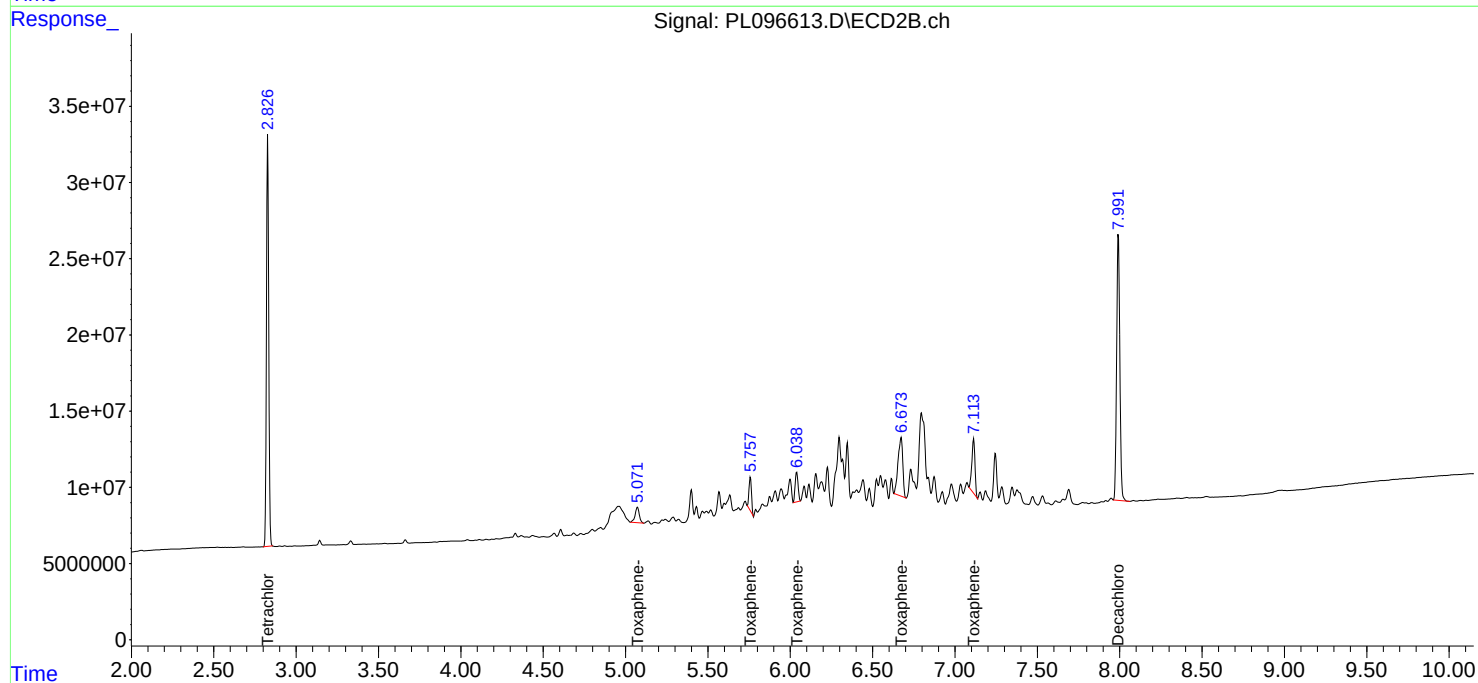
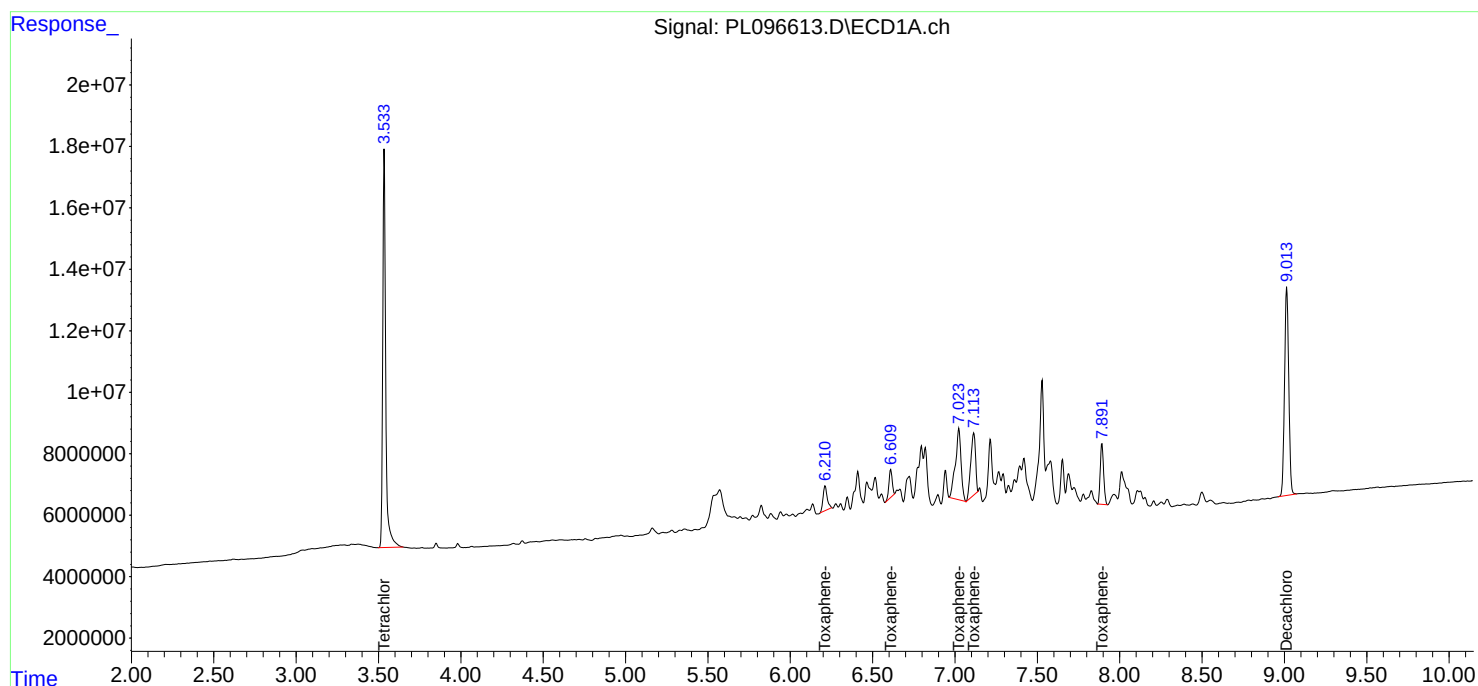
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:44
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL072825TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:34:10 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: CORE02

Lab Code: ACE

SDG NO.: Q2681

Continuing Calib Date: 07/29/2025

Initial Calibration Date(s): 07/28/2025 07/28/2025

Continuing Calib Time: 17:17

Initial Calibration Time(s): 16:52 17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.01	9.02	8.92	9.12	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.90	4.80	5.00	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endrin	6.54	6.54	6.44	6.64	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Continuing Calib Date: 07/29/2025

Initial Calibration Date(s): 07/28/2025 07/28/2025

Continuing Calib Time: 17:17

Initial Calibration Time(s): 16:52 17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CORE02
Lab Code: ACE **SDG NO.:** Q2681
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/29/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096626.D **Time Analyzed:** 17:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.014	8.916	9.116	51.220	50.000	2.4
Endrin	6.542	6.442	6.642	49.510	50.000	-1.0
gamma-BHC (Lindane)	4.310	4.210	4.410	51.420	50.000	2.8
Heptachlor	4.902	4.803	5.003	52.100	50.000	4.2
Heptachlor epoxide	5.662	5.562	5.762	51.800	50.000	3.6
Methoxychlor	7.461	7.362	7.562	50.320	50.000	0.6
Tetrachloro-m-xylene	3.535	3.435	3.635	51.480	50.000	3.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CORE02
Lab Code: ACE **SDG NO.:** Q2681
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/29/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096626.D **Time Analyzed:** 17:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.991	7.892	8.092	50.050	50.000	0.1
Endrin	5.709	5.609	5.809	53.290	50.000	6.6
gamma-BHC (Lindane)	3.665	3.565	3.765	54.670	50.000	9.3
Heptachlor	4.014	3.914	4.114	53.830	50.000	7.7
Heptachlor epoxide	4.799	4.699	4.899	53.440	50.000	6.9
Methoxychlor	6.680	6.581	6.781	50.170	50.000	0.3
Tetrachloro-m-xylene	2.828	2.728	2.928	54.190	50.000	8.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
 Data File : PL096626.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2025 17:17
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/30/2025
 Supervised By : mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 01:52:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	163.7E6	258.9E6	51.479	54.186
28)	SA Decachlor...	9.014	7.991	122.1E6	217.1E6	51.218	50.052
Target Compounds							
2)	A alpha-BHC	3.982	3.333	240.0E6	388.8E6	51.886	54.944
3)	MA gamma-BHC...	4.310	3.665	227.5E6	361.0E6	51.423	54.669
4)	MA Heptachlor	4.902	4.014	216.5E6	358.6E6	52.096	53.830
5)	MB Aldrin	5.242	4.297	219.0E6	335.5E6	50.920	54.057
6)	B beta-BHC	4.497	3.961	94411343	151.4E6	52.306	53.684
7)	B delta-BHC	4.741	4.195	209.9E6	351.9E6	52.599m	54.352
8)	B Heptachlo...	5.662	4.799	199.8E6	305.2E6	51.802	53.441
9)	A Endosulfan I	6.044	5.170	181.8E6	279.9E6	50.554	50.610
10)	B gamma-Chl...	5.916	5.051	197.9E6	313.8E6	51.996	53.372
11)	B alpha-Chl...	5.996	5.115	196.0E6	305.4E6	50.843	51.768
12)	B 4,4'-DDE	6.165	5.304	162.9E6	289.6E6	50.740	52.515
13)	MA Dieldrin	6.315	5.434	189.8E6	310.7E6	51.144	52.602
14)	MA Endrin	6.542	5.709	149.9E6	288.1E6	49.513	53.294
15)	B Endosulfa...	6.754	6.000	158.4E6	267.3E6	49.450	52.037
16)	A 4,4'-DDD	6.674	5.856	129.6E6	244.6E6	51.240	51.975
17)	MA 4,4'-DDT	6.989	6.108	144.6E6	257.1E6	50.416	50.830
18)	B Endrin al...	6.883	6.179	112.9E6	201.6E6	52.618	54.584
19)	B Endosulfa...	7.117	6.402	146.4E6	266.4E6	50.945	52.374
20)	A Methoxychlor	7.461	6.680	73883787	137.5E6	50.317	50.175
21)	B Endrin ke...	7.596	6.906	155.1E6	286.1E6	51.576	51.373
22)	Mirex	8.075	7.097	127.0E6	220.1E6	51.229	50.482

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

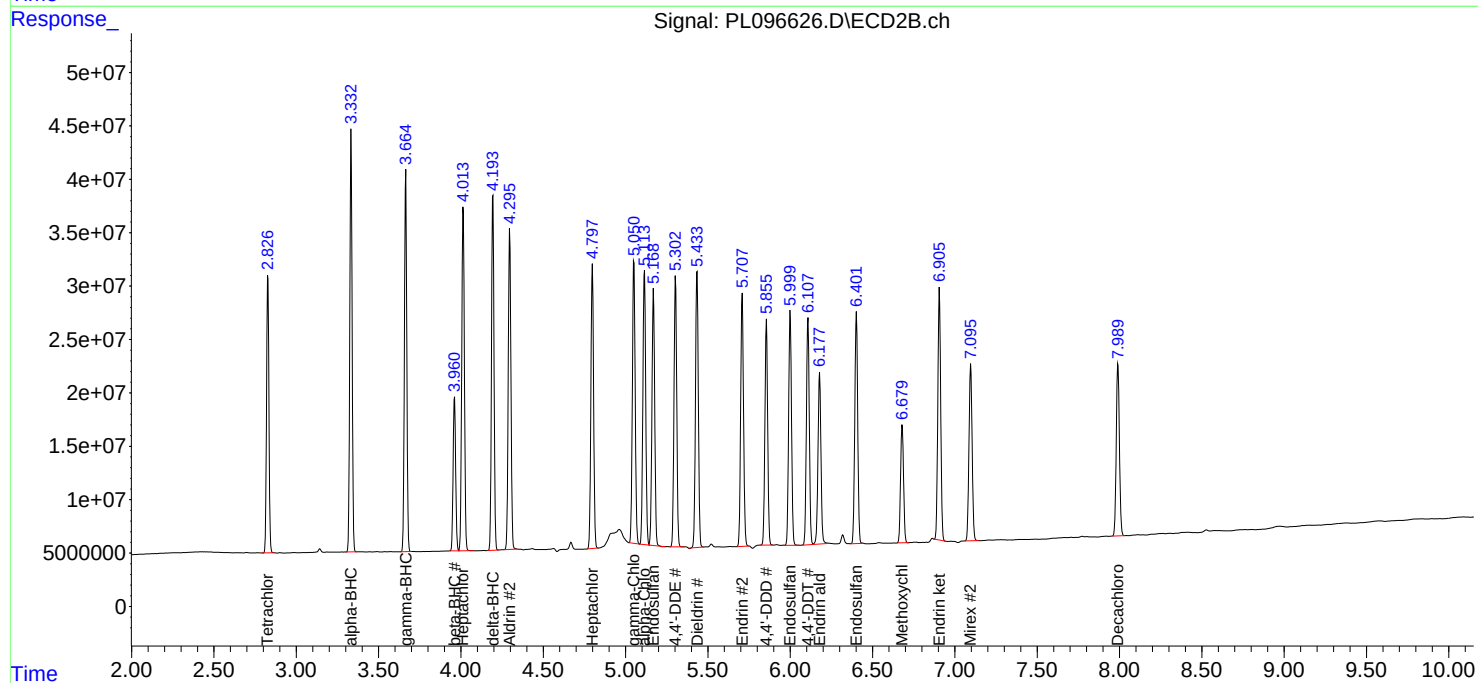
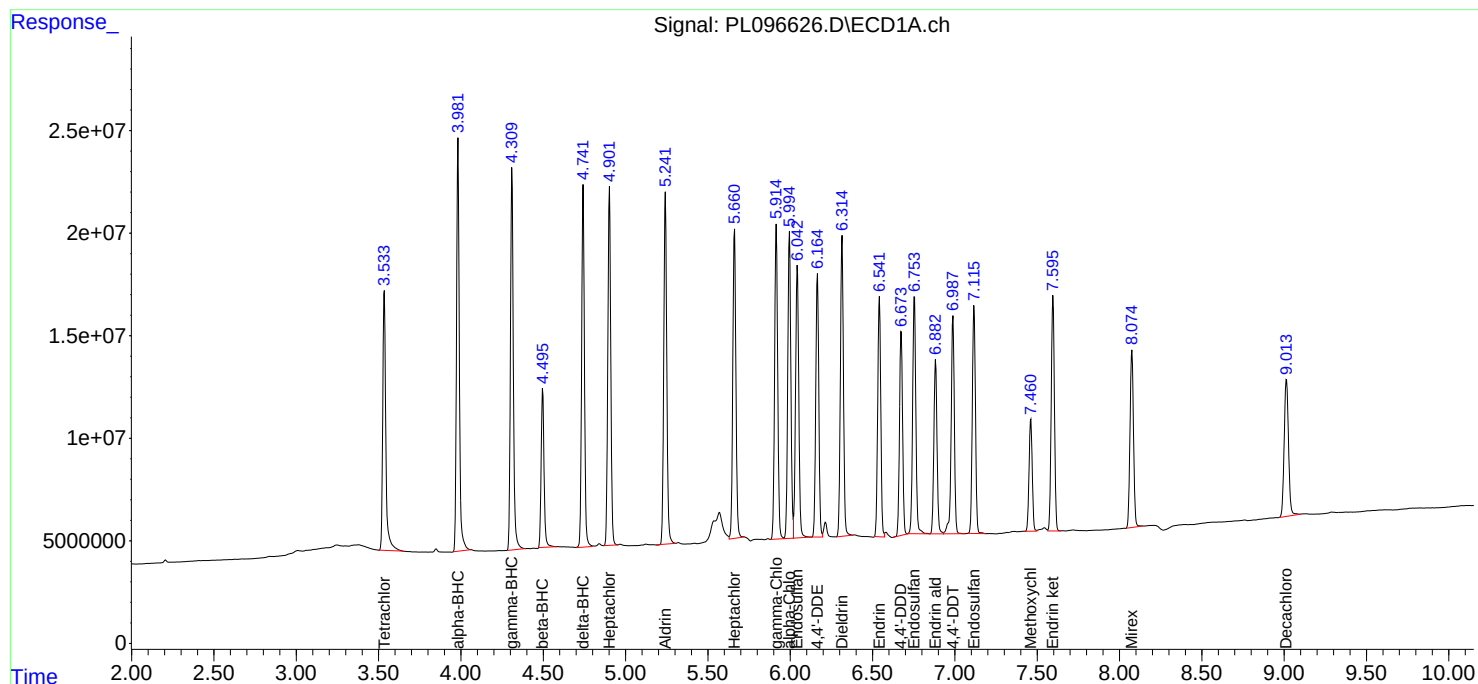
APPROVED

Reviewed By :Abdul Mirza 07/30/2025

Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:52:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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: CORE02

Lab Code: ACE

SDG NO.: Q2681

Continuing Calib Date: 07/29/2025

Initial Calibration Date(s): 07/28/2025 07/28/2025

Continuing Calib Time: 19:06

Initial Calibration Time(s): 16:52 17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.90	4.80	5.00	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endrin	6.54	6.54	6.44	6.64	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Continuing Calib Date: 07/29/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 19:06

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.01
Heptachlor	4.02	4.01	3.91	4.11	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CORE02
Lab Code: ACE **SDG NO.:** Q2681
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/29/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096634.D **Time Analyzed:** 19:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.015	8.916	9.116	50.570	50.000	1.1
Endrin	6.542	6.442	6.642	50.490	50.000	1.0
gamma-BHC (Lindane)	4.311	4.210	4.410	50.850	50.000	1.7
Heptachlor	4.903	4.803	5.003	51.800	50.000	3.6
Heptachlor epoxide	5.662	5.562	5.762	51.380	50.000	2.8
Methoxychlor	7.462	7.362	7.562	49.820	50.000	-0.4
Tetrachloro-m-xylene	3.535	3.435	3.635	50.770	50.000	1.5



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CORE02
Lab Code: ACE **SDG NO.:** Q2681
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/29/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096634.D **Time Analyzed:** 19:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.992	7.892	8.092	53.500	50.000	7.0
Endrin	5.710	5.609	5.809	53.520	50.000	7.0
gamma-BHC (Lindane)	3.665	3.565	3.765	54.040	50.000	8.1
Heptachlor	4.015	3.914	4.114	53.220	50.000	6.4
Heptachlor epoxide	4.799	4.699	4.899	53.230	50.000	6.5
Methoxychlor	6.681	6.581	6.781	51.370	50.000	2.7
Tetrachloro-m-xylene	2.828	2.728	2.928	53.200	50.000	6.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
 Data File : PL096634.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2025 19:06
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/30/2025
 Supervised By : mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 01:54:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	161.5E6	254.2E6	50.768	53.203
28)	SA Decachlor...	9.015	7.992	120.6E6	232.1E6	50.570	53.500
Target Compounds							
2)	A alpha-BHC	3.982	3.334	236.8E6	383.2E6	51.179	54.142
3)	MA gamma-BHC...	4.311	3.665	224.9E6	356.9E6	50.846	54.041
4)	MA Heptachlor	4.903	4.015	215.3E6	354.5E6	51.802	53.220
5)	MB Aldrin	5.243	4.297	215.5E6	332.1E6	50.099	53.510
6)	B beta-BHC	4.497	3.962	93267082	149.7E6	51.672	53.057
7)	B delta-BHC	4.741	4.195	207.5E6	347.9E6	52.006m	53.744
8)	B Heptachlo...	5.662	4.799	198.2E6	304.0E6	51.382	53.232
9)	A Endosulfan I	6.044	5.170	181.8E6	280.4E6	50.544	50.687
10)	B gamma-Chl...	5.916	5.051	195.6E6	313.9E6	51.406	53.377
11)	B alpha-Chl...	5.996	5.115	194.3E6	306.6E6	50.417	51.968
12)	B 4,4'-DDE	6.166	5.304	161.9E6	292.0E6	50.404	52.957
13)	MA Dieldrin	6.316	5.434	189.2E6	317.6E6	50.993	53.779m
14)	MA Endrin	6.542	5.710	152.8E6	289.3E6	50.488	53.521
15)	B Endosulfa...	6.755	6.002	158.4E6	271.2E6	49.453	52.796
16)	A 4,4'-DDD	6.675	5.857	129.9E6	249.1E6	51.379	52.935
17)	MA 4,4'-DDT	6.989	6.109	143.2E6	259.6E6	49.933	51.318
18)	B Endrin al...	6.884	6.179	114.1E6	207.3E6	53.162	56.239
19)	B Endosulfa...	7.117	6.403	146.3E6	273.0E6	50.898	53.667
20)	A Methoxychlor	7.462	6.681	73152176	140.8E6	49.819	51.368
21)	B Endrin ke...	7.597	6.907	154.9E6	293.9E6	51.516	52.760
22)	Mirex	8.076	7.097	126.9E6	228.5E6	51.178	52.401

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096634.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 19:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

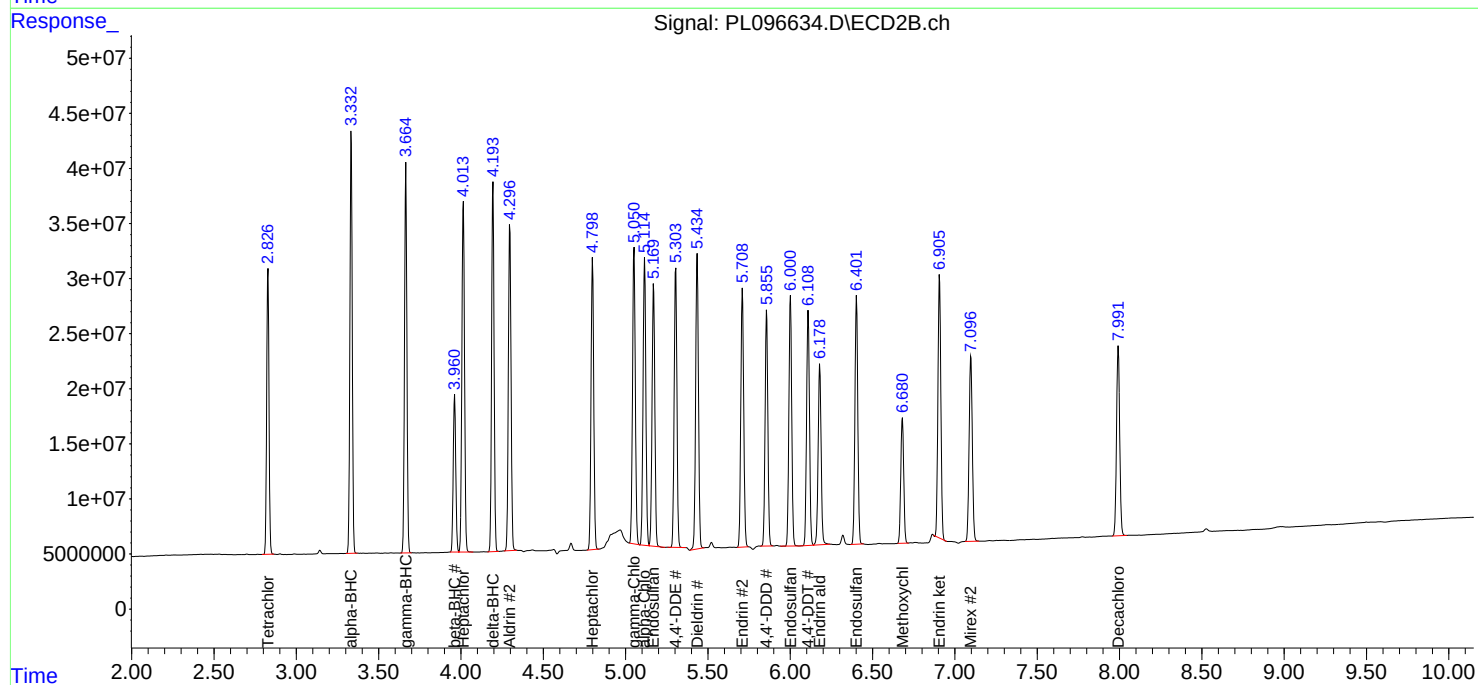
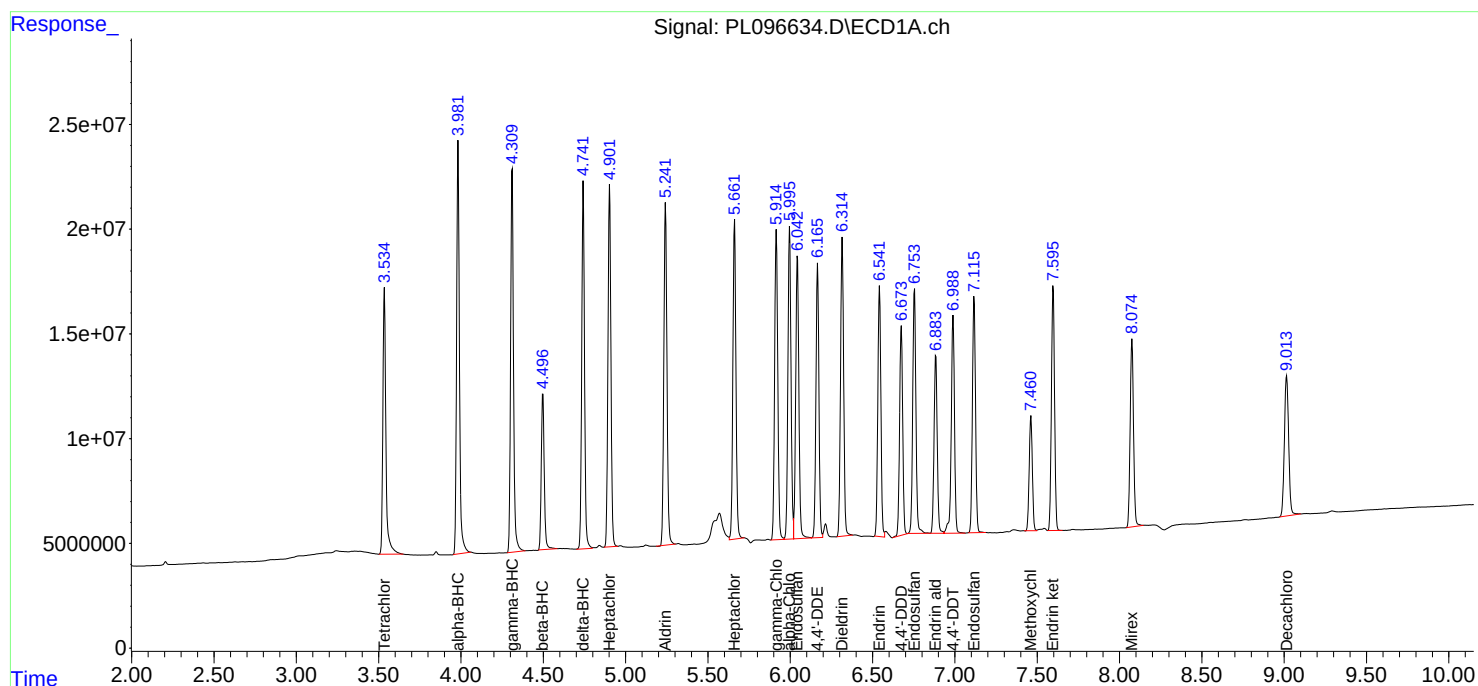
APPROVED

Reviewed By :Abdul Mirza 07/30/2025

Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:54:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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: CORE02

Lab Code: ACE

SDG NO.: Q2681

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096594.D Date Analyzed: 07/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.017	8.920	9.120	21.270	20.000	6.4
Tetrachloro-m-xylene	3.535	3.480	3.590	20.960	20.000	4.8
alpha-BHC	3.983	3.930	4.030	10.440	10.000	4.4
beta-BHC	4.498	4.450	4.550	10.520	10.000	5.2
gamma-BHC (Lindane)	4.311	4.260	4.360	10.550	10.000	5.5
Endrin	6.543	6.470	6.610	54.020	50.000	8.0
4,4'-DDT	6.990	6.920	7.060	109.500	100.000	9.5
Methoxychlor	7.463	7.390	7.530	267.200	250.000	6.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096594.D Date Analyzed: 07/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.992	7.890	8.090	20.870	20.000	4.4
Tetrachloro-m-xylene	2.828	2.780	2.880	20.780	20.000	3.9
alpha-BHC	3.333	3.280	3.380	10.270	10.000	2.7
beta-BHC	3.962	3.910	4.010	10.840	10.000	8.4
gamma-BHC (Lindane)	3.666	3.620	3.720	10.440	10.000	4.4
Endrin	5.710	5.640	5.780	53.630	50.000	7.3
4,4'-DDT	6.109	6.040	6.180	111.210	100.000	11.2
Methoxychlor	6.682	6.610	6.750	253.290	250.000	1.3

Data File: PEM
 PL096594.D Date Acquired 7/28/2025 16:25
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.54	163494961.3	167390237.3	3895275.98	2.33
Endrin aldehyde	6.89	1570507.515			
Endrin ketone	7.60	2324768.467			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	289935231	306295121.7	16359890.7	5.34
Endrin aldehyde #2	6.18	12998852.66			
Endrin ketone #2	6.91	3361038.042			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	314003595.7	315320131.5	1316535.88	0.42
4,4'-DDE	0.00	0			
4,4'-DDD	6.68	1316535.881			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	562525716.3	564144685.1	1618968.83	0.29
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.86	1618968.831			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096594.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/29/2025
 Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 08:57:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	66676938	99261210	20.962	20.776
28)	SA Decachlor...	9.017	7.992	50725219	90556842	21.271	20.874
Target Compounds							
2)	A alpha-BHC	3.983	3.333	48281852	72680702	10.436	10.270
3)	MA gamma-BHC...	4.311	3.666	46672698	68921884	10.551	10.437
6)	B beta-BHC	4.498	3.962	18987747	30564619	10.520	10.835
14)	MA Endrin	6.543	5.710	163.5E6	289.9E6	54.016	53.632
16)	A 4,4'-DDD	6.677	5.858	1316536	1618969	0.521m	0.344m#
17)	MA 4,4'-DDT	6.990	6.109	314.0E6	562.5E6	109.497	111.208
18)	B Endrin al...	6.888	6.180	1570508	12998853	0.732m	0.219 #
20)	A Methoxychlor	7.463	6.682	392.3E6	694.1E6	267.202	253.290
21)	B Endrin ke...	7.598	6.905	2324768	3361038	0.773m	0.603m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

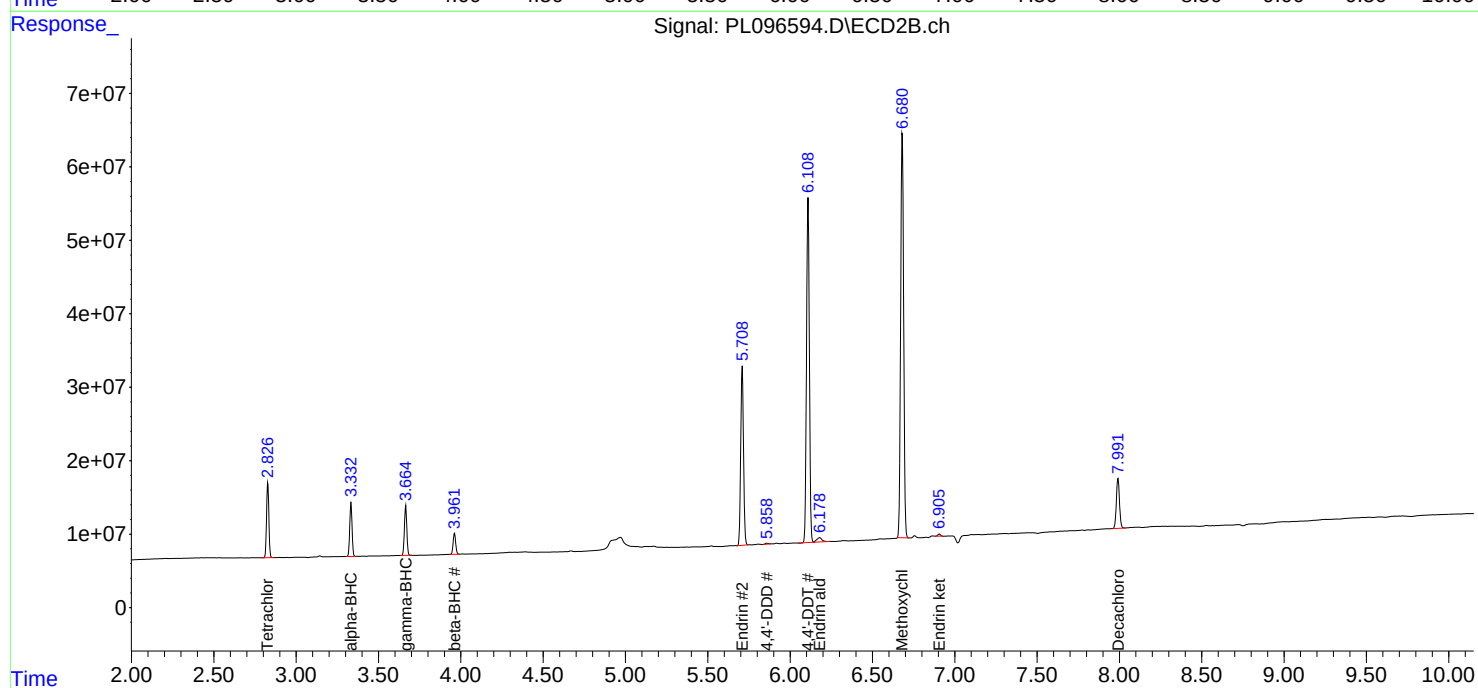
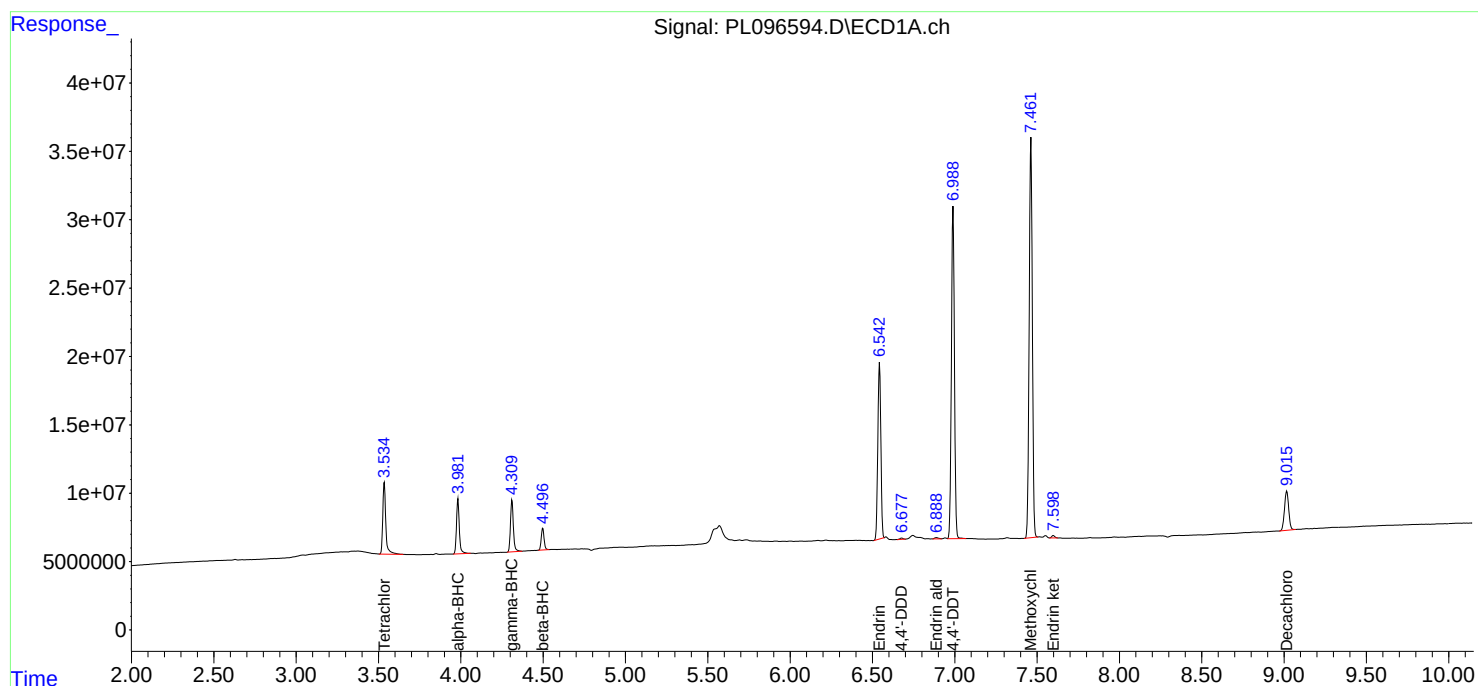
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/29/2025
Supervised By : mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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: CORE02

Lab Code: ACE

SDG NO.: Q2681

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096616.D Date Analyzed: 07/29/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:16

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.021	8.920	9.120	22.400	20.000	12.0
Tetrachloro-m-xylene	3.534	3.480	3.580	21.800	20.000	9.0
alpha-BHC	3.982	3.930	4.030	10.610	10.000	6.1
beta-BHC	4.497	4.450	4.550	11.180	10.000	11.8
gamma-BHC (Lindane)	4.310	4.260	4.360	10.790	10.000	7.9
Endrin	6.545	6.470	6.620	60.820	50.000	21.6
4,4'-DDT	6.992	6.920	7.060	113.070	100.000	13.1
Methoxychlor	7.465	7.390	7.540	274.770	250.000	9.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096616.D Date Analyzed: 07/29/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:16

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.993	7.890	8.090	24.040	20.000	20.2
Tetrachloro-m-xylene	2.824	2.770	2.870	23.560	20.000	17.8
alpha-BHC	3.330	3.280	3.380	11.590	10.000	15.9
beta-BHC	3.959	3.910	4.010	12.230	10.000	22.3
gamma-BHC (Lindane)	3.662	3.610	3.710	11.750	10.000	17.5
Endrin	5.708	5.640	5.780	62.940	50.000	25.9
4,4'-DDT	6.108	6.040	6.180	123.050	100.000	23.1
Methoxychlor	6.681	6.610	6.750	281.400	250.000	12.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
 Data File : PL096616.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2025 12:16
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/30/2025
 Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 01:50:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.534	2.824	69343348	112.5E6	21.801	23.556
28)	SA Decachlor...	9.021	7.993	53428086	104.3E6	22.405	24.045
Target Compounds							
2)	A alpha-BHC	3.982	3.330	49095033	81987666	10.612	11.585
3)	MA gamma-BHC...	4.310	3.662	47713884	77572577	10.787	11.747
6)	B beta-BHC	4.497	3.959	20180919	34490489	11.181	12.227
14)	MA Endrin	6.545	5.708	184.1E6	340.3E6	60.819	62.942
16)	A 4,4'-DDD	6.676	5.854	2124266	3023948	0.840m	0.643m
17)	MA 4,4'-DDT	6.992	6.108	324.2E6	622.4E6	113.067	123.049
20)	A Methoxychlor	7.465	6.681	403.5E6	771.2E6	274.767	281.398
21)	B Endrin ke...	7.598	6.904	3101264	3435022	1.031m	0.617m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 12:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

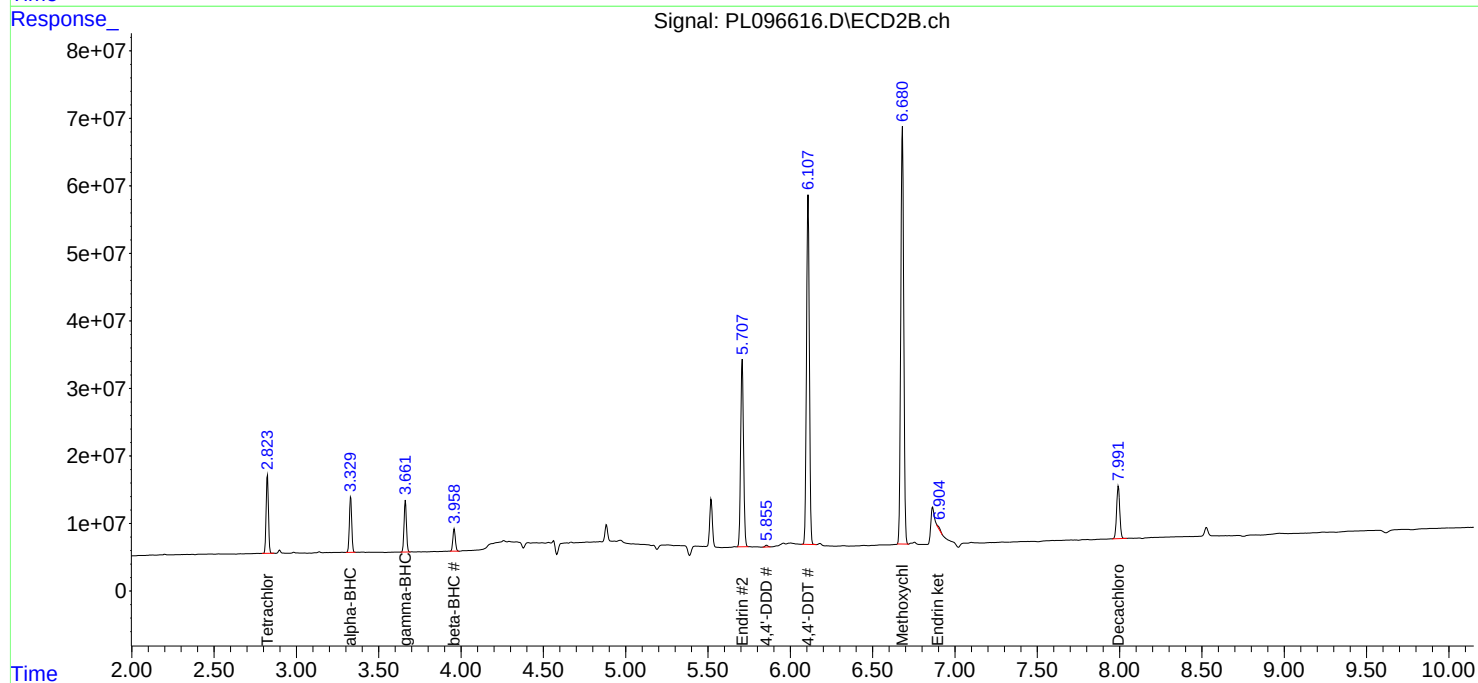
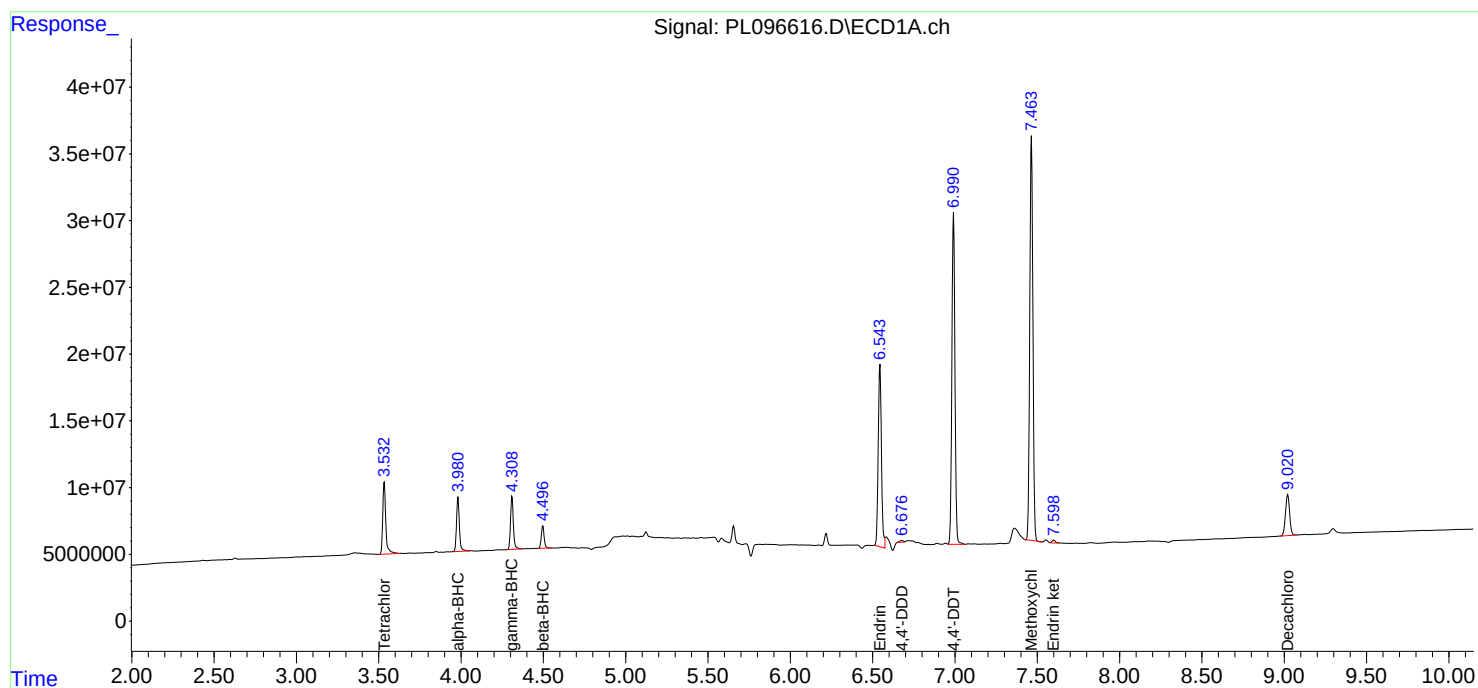
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/30/2025
Supervised By : mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:50:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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\PL072825\
Data File : PL096595.D
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Title : GC Extractables
Last Update : Tue Jul 29 08:58:13 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.535	5.916	100.00%
5.916	6.045	100.00%
6.045	6.166	100.00%
6.166	6.317	100.00%
6.317	7.118	100.00%
7.118	7.463	100.00%
7.463	7.598	100.00%
7.598	9.016	100.00%

Signal #2

2.828	5.052	100.00%
5.052	5.170	100.00%
5.170	5.304	100.00%
5.304	5.435	100.00%
5.435	6.403	100.00%
6.403	6.682	100.00%
6.682	6.907	100.00%
6.907	7.993	100.00%

PL072825.M Tue Jul 29 09:06:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:38
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/29/2025
 Supervised By : mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 08:57:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	53837096	81066871	16.926	16.968
28)	SA Decachlor...	9.016	7.993	41967810	75251539	17.599	17.346
Target Compounds							
9)	A Endosulfan I	6.045	5.169	28022040	44379475	7.792	8.023m
10)	B gamma-Chl...	5.916	5.052	31638592	48929496	8.314	8.321
12)	B 4,4'-DDE	6.166	5.304	54660848	96001382	17.022	17.409
13)	MA Dieldrin	6.316	5.435	63095073	99918926	17.001	16.917
19)	B Endosulfa...	7.118	6.403	50325612	88476396	17.513	17.395
20)	A Methoxychlor	7.463	6.682	128.9E6	238.4E6	87.784	87.000
21)	B Endrin ke...	7.598	6.907	51693529	95186865	17.193	17.090

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

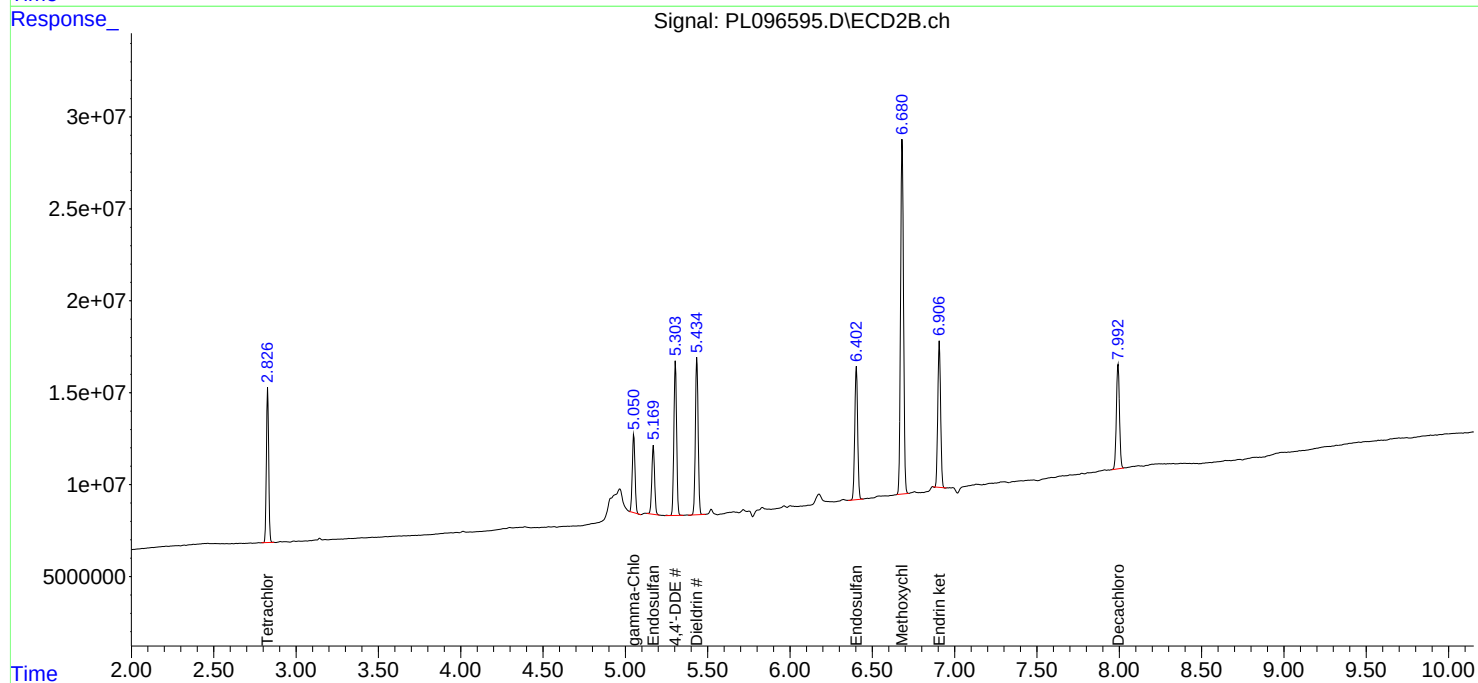
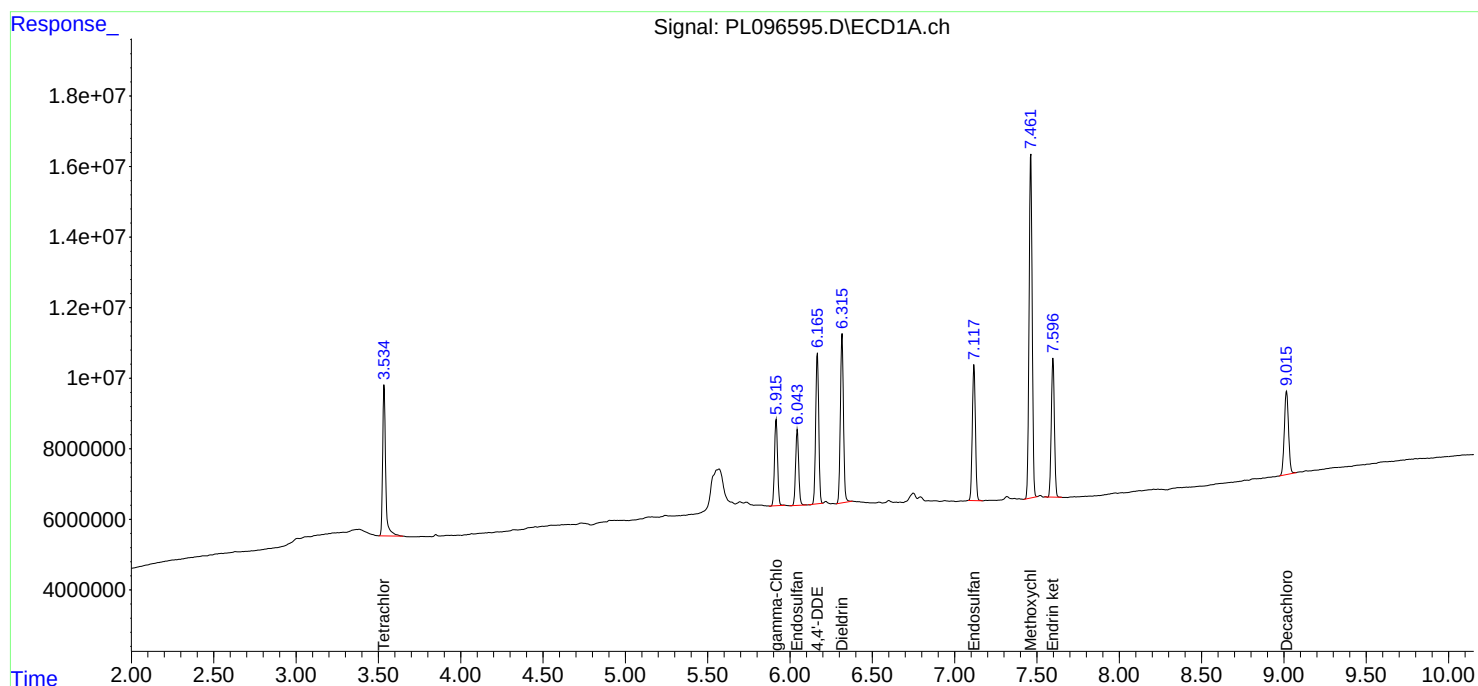
Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/29/2025
Supervised By : mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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: Core Environmental Consultants and Servi	SDG No.: Q2681
Project: NYPA	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 07/28/2025 07/28/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/28/2025	16:11	PL096593.D	9.02	3.54
PEM	PEM	07/28/2025	16:25	PL096594.D	9.02	3.54
RESCHK	RESCHK	07/28/2025	16:38	PL096595.D	9.02	3.54
PSTDICC100	PSTDICC100	07/28/2025	16:52	PL096596.D	9.02	3.54
PSTDICC075	PSTDICC075	07/28/2025	17:06	PL096597.D	9.02	3.54
PSTDICC050	PSTDICC050	07/28/2025	17:19	PL096598.D	9.02	3.54
PSTDICC025	PSTDICC025	07/28/2025	17:33	PL096599.D	9.02	3.54
PSTDICC005	PSTDICC005	07/28/2025	17:47	PL096600.D	9.02	3.53
PCHLORICC500	PCHLORICC500	07/28/2025	18:27	PL096603.D	9.02	3.54
PTOXICC500	PTOXICC500	07/28/2025	19:36	PL096608.D	9.02	3.54
PEM	PEM	07/29/2025	12:16	PL096616.D	9.02	3.53
IBLK	IBLK	07/29/2025	17:03	PL096625.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/29/2025	17:17	PL096626.D	9.01	3.54
PB169038BL	PB169038BL	07/29/2025	17:31	PL096627.D	9.02	3.54
PB169038BS	PB169038BS	07/29/2025	17:44	PL096628.D	9.02	3.54
PB168986TB	PB168986TB	07/29/2025	17:58	PL096629.D	9.02	3.54
NYPA-POUCH-SPENT-CARBON	Q2681-01	07/29/2025	18:11	PL096630.D	9.01	3.54
NYPA-POUCH-SPENT-CARBONMS	Q2681-01MS	07/29/2025	18:25	PL096631.D	9.02	3.54
NYPA-POUCH-SPENT-CARBONMSD	Q2681-01MSD	07/29/2025	18:39	PL096632.D	9.02	3.54
IBLK	IBLK	07/29/2025	18:52	PL096633.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/29/2025	19:06	PL096634.D	9.02	3.54

Analytical Sequence

Client: Core Environmental Consultants and Servi	SDG No.: Q2681
Project: NYPA	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 07/28/2025 07/28/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/28/2025	16:11	PL096593.D	7.99	2.83
PEM	PEM	07/28/2025	16:25	PL096594.D	7.99	2.83
RESCHK	RESCHK	07/28/2025	16:38	PL096595.D	7.99	2.83
PSTDICC100	PSTDICC100	07/28/2025	16:52	PL096596.D	7.99	2.83
PSTDICC075	PSTDICC075	07/28/2025	17:06	PL096597.D	7.99	2.83
PSTDICC050	PSTDICC050	07/28/2025	17:19	PL096598.D	7.99	2.83
PSTDICC025	PSTDICC025	07/28/2025	17:33	PL096599.D	7.99	2.83
PSTDICC005	PSTDICC005	07/28/2025	17:47	PL096600.D	7.99	2.83
PCHLORICC500	PCHLORICC500	07/28/2025	18:27	PL096603.D	7.99	2.83
PTOXICC500	PTOXICC500	07/28/2025	19:36	PL096608.D	7.99	2.83
PEM	PEM	07/29/2025	12:16	PL096616.D	7.99	2.82
IBLK	IBLK	07/29/2025	17:03	PL096625.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/29/2025	17:17	PL096626.D	7.99	2.83
PB169038BL	PB169038BL	07/29/2025	17:31	PL096627.D	7.99	2.83
PB169038BS	PB169038BS	07/29/2025	17:44	PL096628.D	7.99	2.83
PB168986TB	PB168986TB	07/29/2025	17:58	PL096629.D	7.99	2.83
NYPA-POUCH-SPENT-CARBON	Q2681-01	07/29/2025	18:11	PL096630.D	7.99	2.83
NYPA-POUCH-SPENT-CARBONMS	Q2681-01MS	07/29/2025	18:25	PL096631.D	7.99	2.83
NYPA-POUCH-SPENT-CARBONMSD	Q2681-01MSD	07/29/2025	18:39	PL096632.D	7.99	2.83
IBLK	IBLK	07/29/2025	18:52	PL096633.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/29/2025	19:06	PL096634.D	7.99	2.83

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

NYPA-POUCH-SPENT-CARBOI

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab Sample ID: Q2681-01MS

Date(s) Analyzed: 07/29/2025 07/29/2025

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		
Methoxychlor	1	7.46	7.41	7.51	4.80	2.1
	2	6.68	6.63	6.73	4.90	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	4.80	4.1
	2	3.67	3.62	3.72	5.00	
Heptachlor	1	4.90	4.85	4.95	4.60	2.2
	2	4.01	3.96	4.06	4.70	
Heptachlor epoxide	1	5.66	5.61	5.71	4.90	2
	2	4.80	4.75	4.85	5.00	
Endrin	1	6.54	6.49	6.59	5.00	0
	2	5.71	5.66	5.76	5.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

NYPA-POUCH-SPENT-CARBOI

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab Sample ID: Q2681-01MSD

Date(s) Analyzed: 07/29/2025 07/29/2025

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		
Heptachlor epoxide	1	5.66	5.61	5.71	5.00	2
	2	4.80	4.75	4.85	5.10	
Endrin	1	6.54	6.49	6.59	5.00	3.9
	2	5.71	5.66	5.76	5.20	
Methoxychlor	1	7.46	7.41	7.51	4.80	4.1
	2	6.68	6.63	6.73	5.00	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	4.90	4
	2	3.67	3.62	3.72	5.10	
Heptachlor	1	4.90	4.85	4.95	4.70	2.1
	2	4.01	3.96	4.06	4.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169038BS

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab Sample ID: PB169038BS

Date(s) Analyzed: 07/29/2025 07/29/2025

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		
Methoxychlor	1	7.46	7.41	7.51	0.46	2.9
	2	6.68	6.63	6.73	0.48	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	0.48	5.4
	2	3.67	3.62	3.72	0.51	
Heptachlor	1	4.90	4.85	4.95	0.49	2.2
	2	4.01	3.96	4.06	0.50	
Heptachlor epoxide	1	5.66	5.61	5.71	0.49	3.1
	2	4.80	4.75	4.85	0.50	
Endrin	1	6.54	6.49	6.59	0.47	9.6
	2	5.71	5.66	5.76	0.51	



QC SAMPLE DATA

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA	Date Received:	
Client Sample ID:	PB169038BL	SDG No.:	Q2681
Lab Sample ID:	PB169038BL	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096627.D	1	07/29/25 08:48	07/29/25 17:31	PB169038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		57 - 171	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		61 - 148	97%	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\PL072925\
Data File : PL096627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:31
Operator : AR\AJ
Sample : PB169038BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169038BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:52:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	58255569	92634714	18.315	19.389
28)	SA Decachlor...	9.015	7.992	46403535	89340003	19.459	20.593

Target Compounds

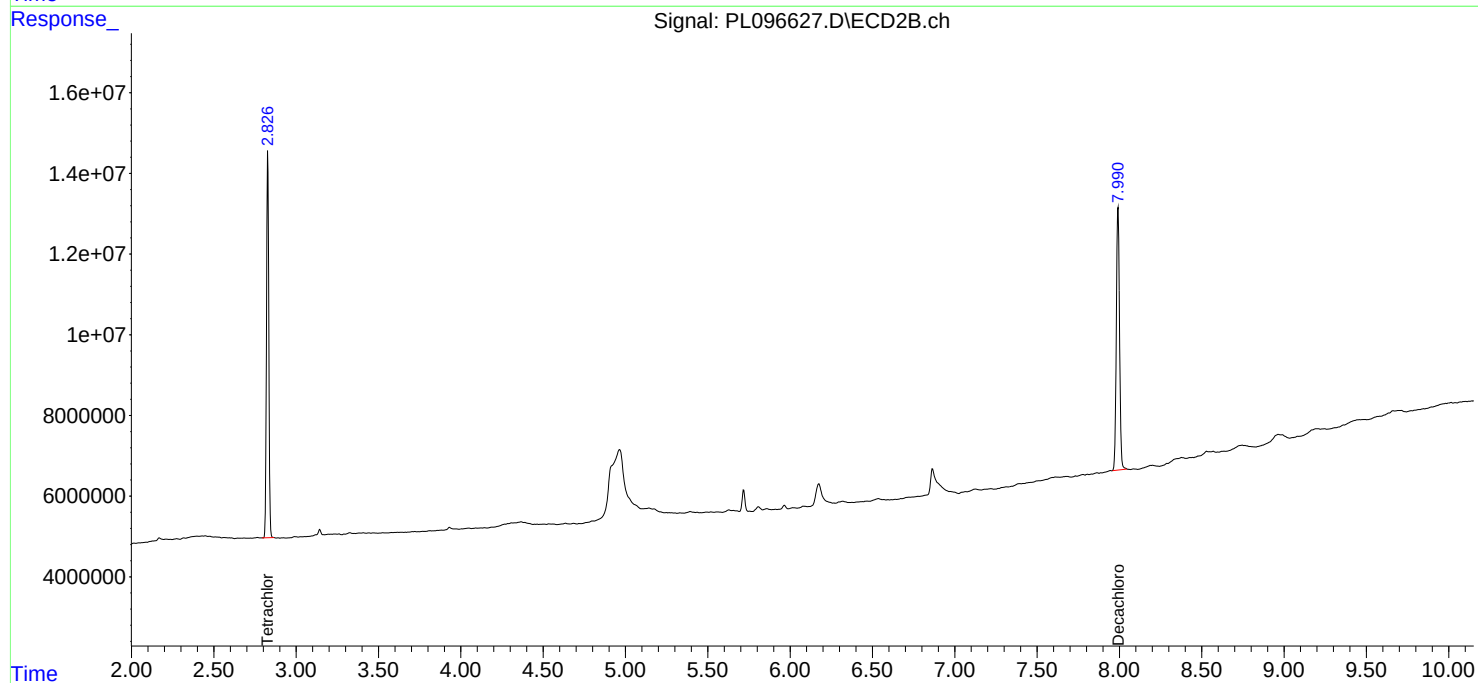
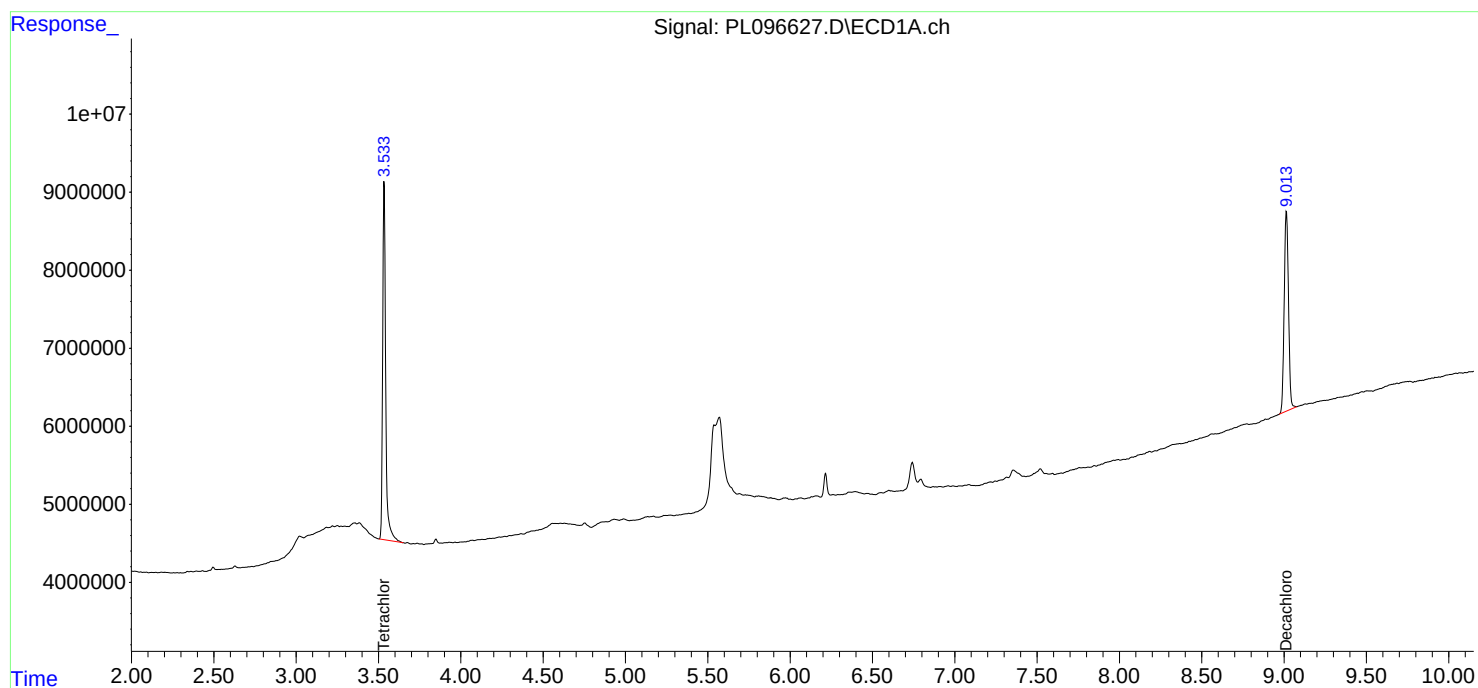
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

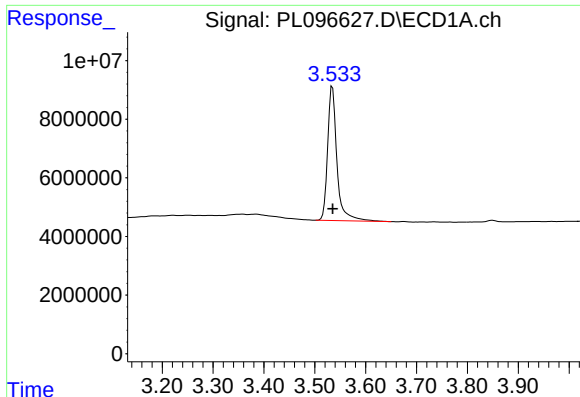
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:31
Operator : AR\AJ
Sample : PB169038BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169038BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:52:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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

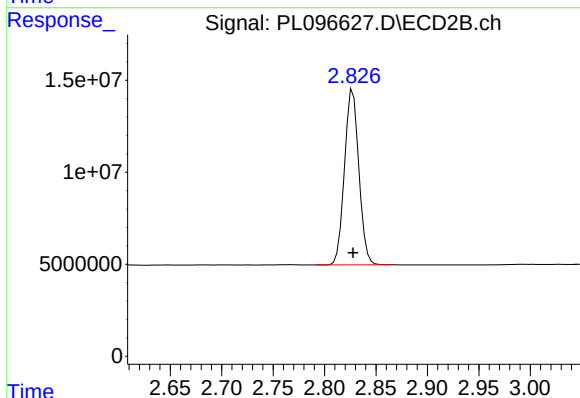




#1 Tetrachloro-m-xylene

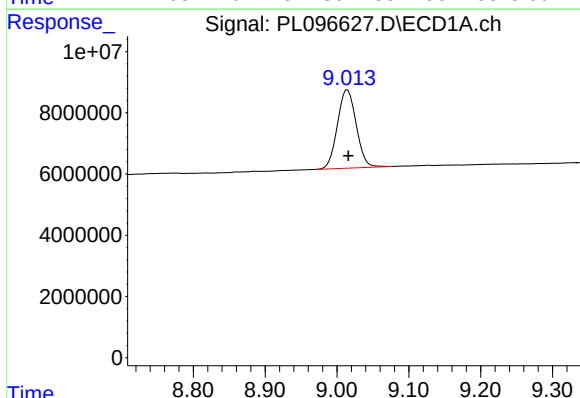
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 58255569
Conc: 18.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169038BL



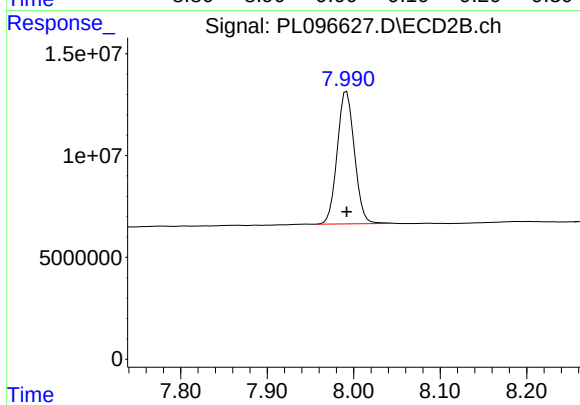
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 92634714
Conc: 19.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.001 min
Response: 46403535
Conc: 19.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 89340003
Conc: 20.59 ng/ml

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/28/25
Project:	NYPA	Date Received:	07/28/25
Client Sample ID:	PIBLK-PL096593.D	SDG No.:	Q2681
Lab Sample ID:	I.BLK-PL096593.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096593.D	1		07/28/25	pl072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.2		57 - 171	96%	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\PL072825\
 Data File : PL096593.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:11
 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: Jul 29 08:56:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	59301554	87523738	18.644	18.319
28)	SA Decachlor...	9.016	7.993	45808507	82684633	19.210	19.059

Target Compounds

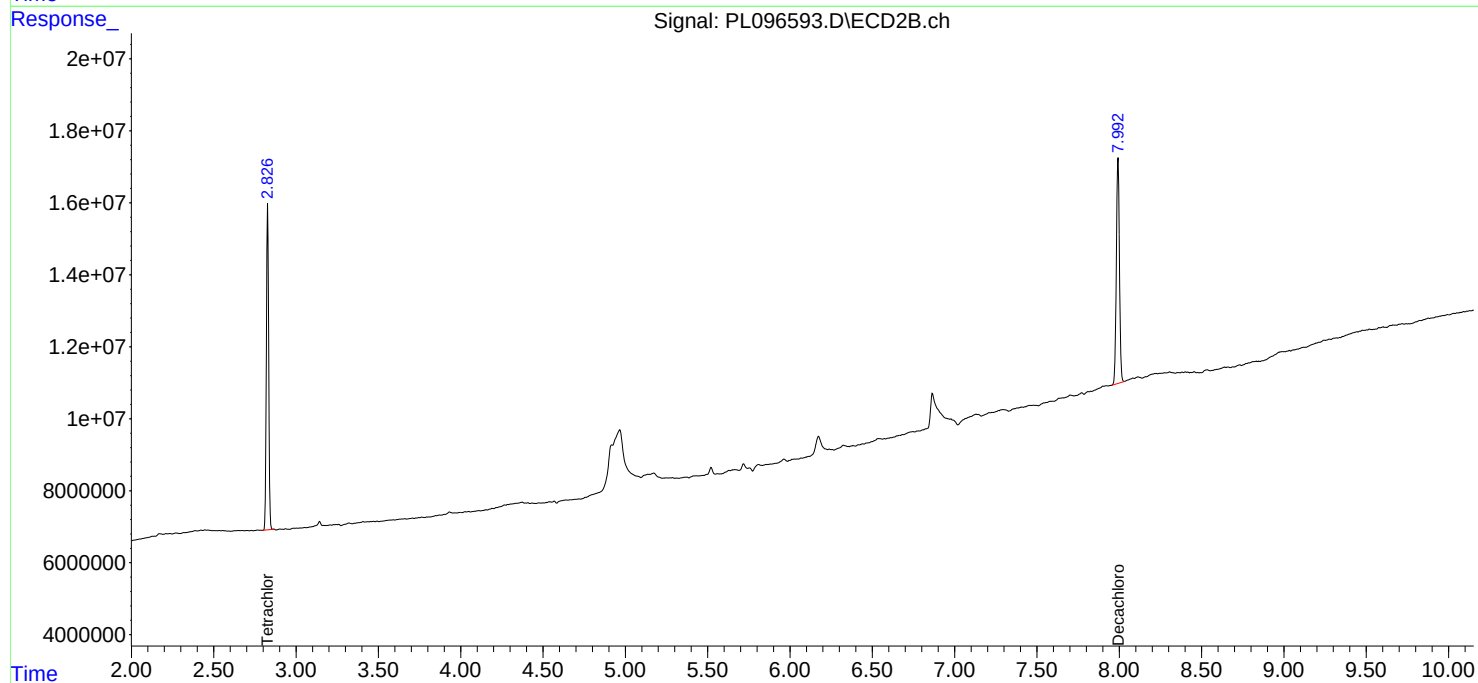
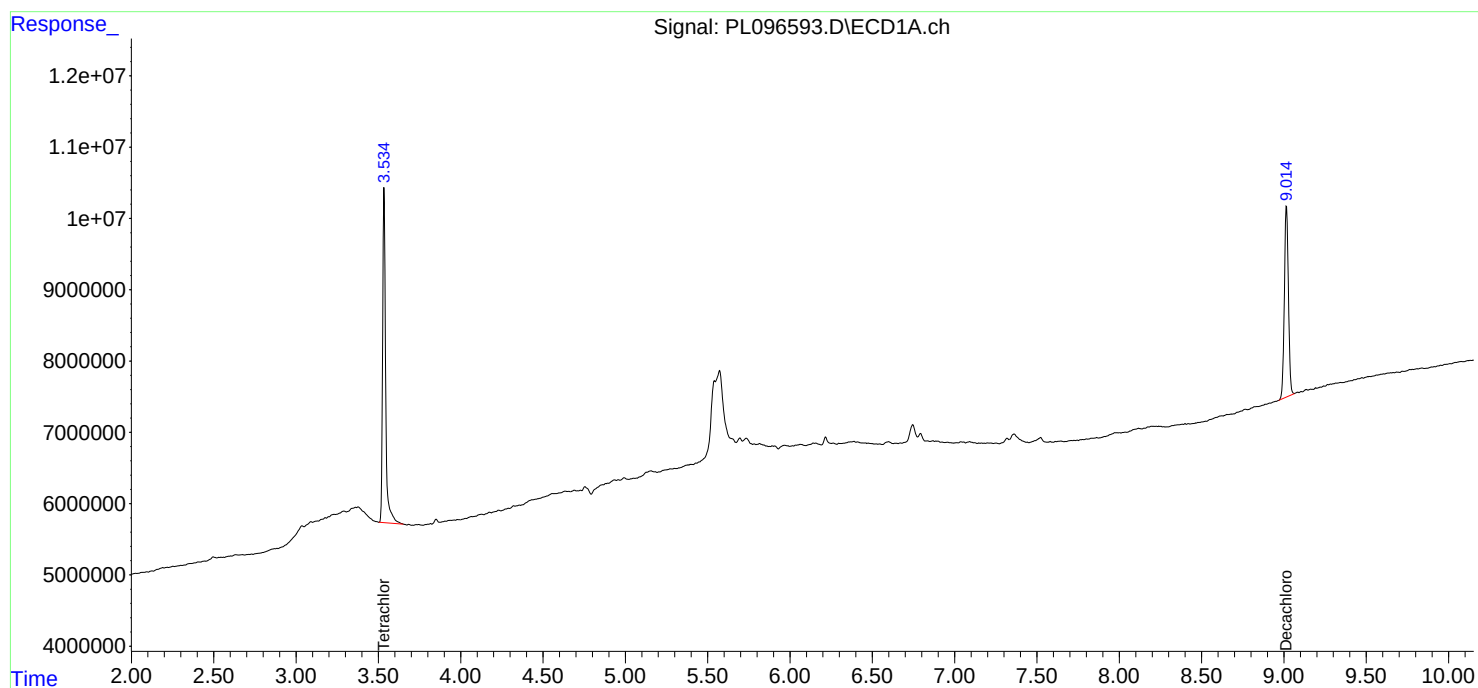
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

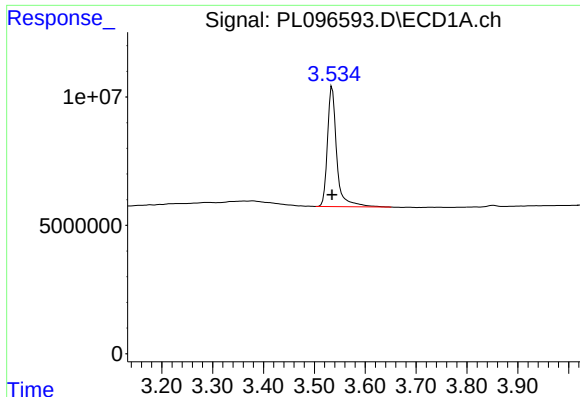
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:56:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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

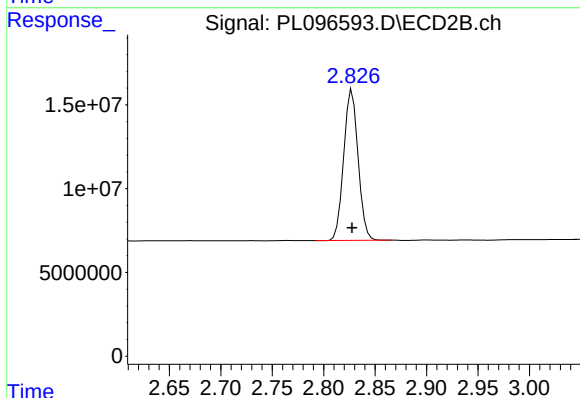




#1 Tetrachloro-m-xylene

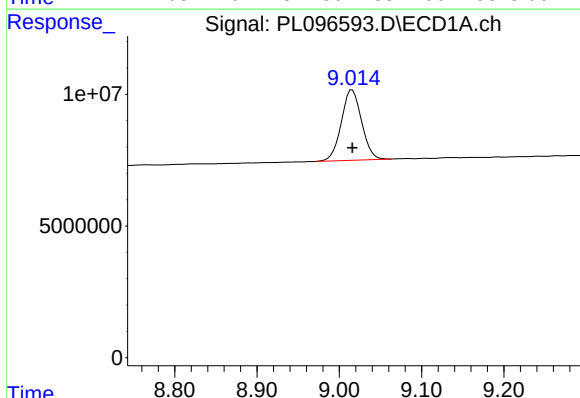
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 59301554
Conc: 18.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



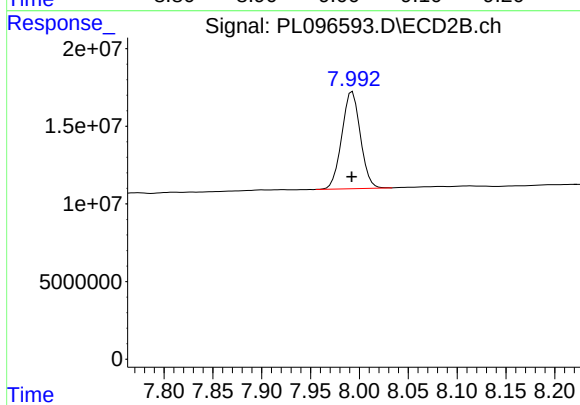
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 87523738
Conc: 18.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 45808507
Conc: 19.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 82684633
Conc: 19.06 ng/ml

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.		Date Collected:	07/29/25	
Project:	NYPA		Date Received:	07/29/25	
Client Sample ID:	PIBLK-PL096625.D		SDG No.:	Q2681	
Lab Sample ID:	I.BLK-PL096625.D		Matrix:	TCLP	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096625.D	1		07/29/25	pl072925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		57 - 171	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		61 - 148	108%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
 Data File : PL096625.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2025 17:03
 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: Jul 30 01:52:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	66915358	103.5E6	21.037	21.669
28)	SA Decachlor...	9.015	7.992	54595636	92836732	22.895	21.399

Target Compounds

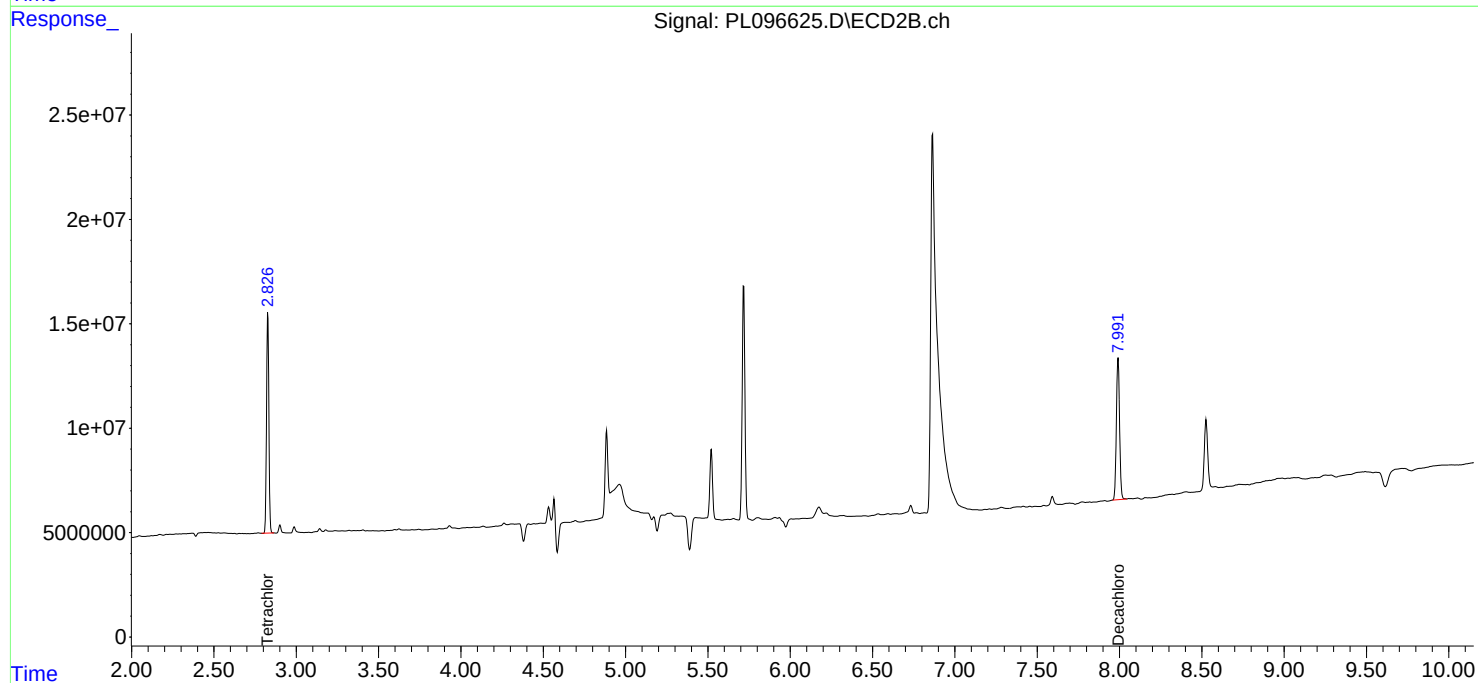
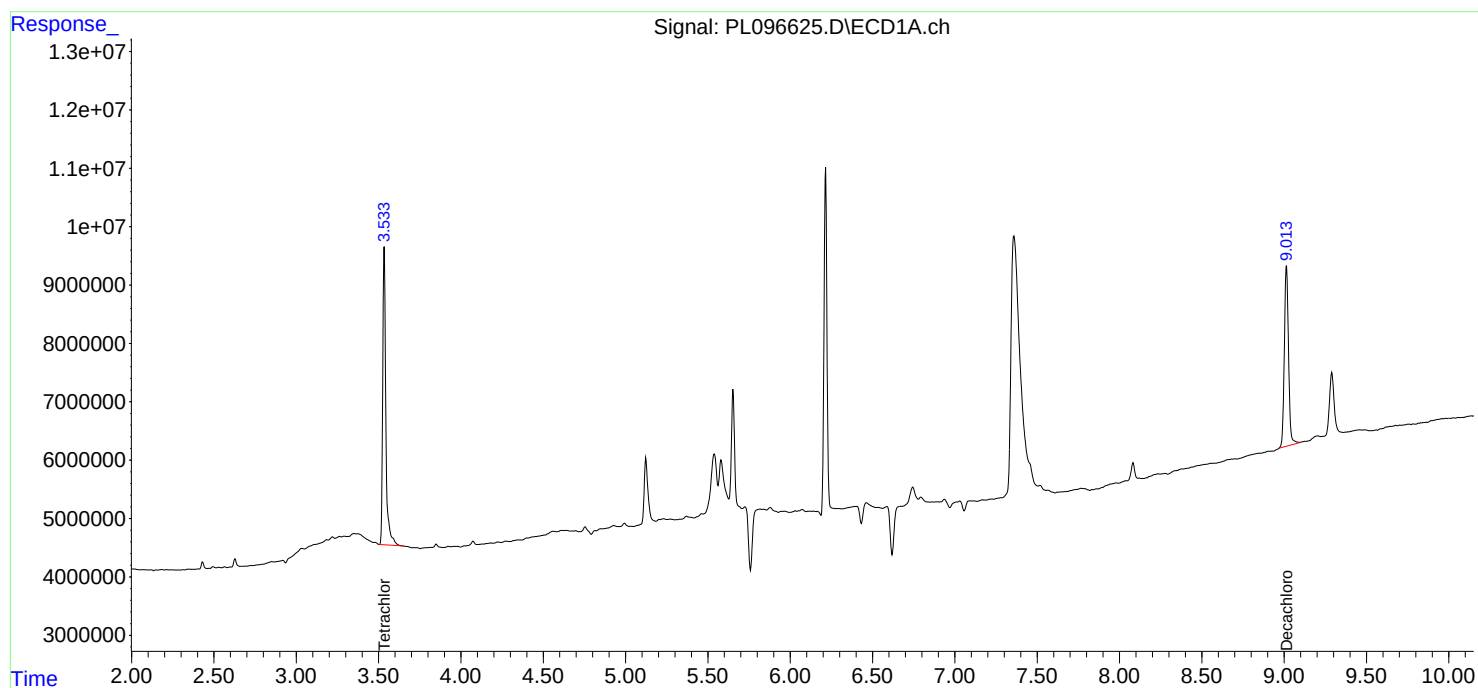
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

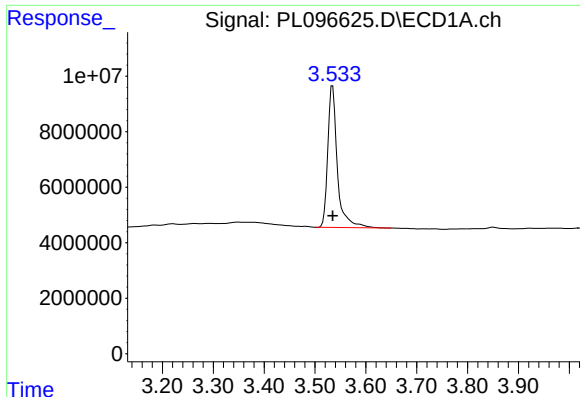
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:52:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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

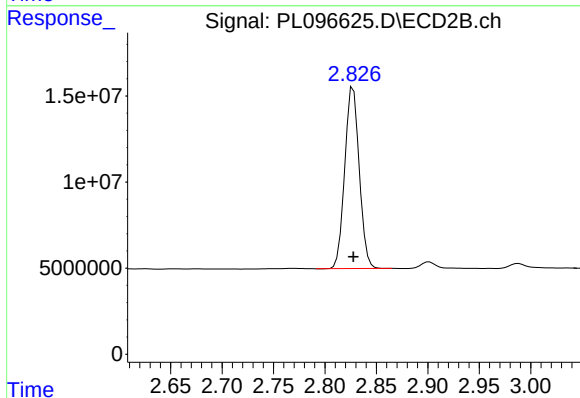




#1 Tetrachloro-m-xylene

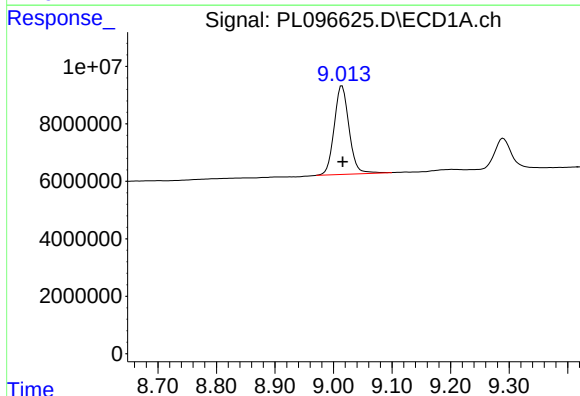
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 66915358
Conc: 21.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



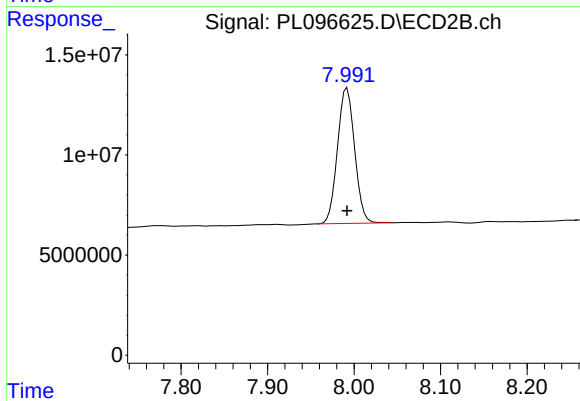
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 103528938
Conc: 21.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.001 min
Response: 54595636
Conc: 22.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 92836732
Conc: 21.40 ng/ml

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/29/25
Project:	NYPA	Date Received:	07/29/25
Client Sample ID:	PIBLK-PL096633.D	SDG No.:	Q2681
Lab Sample ID:	I.BLK-PL096633.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096633.D	1		07/29/25	pl072925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		57 - 171	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.5		61 - 148	108%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096633.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:52
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: Jul 30 01:54:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	65761221	102.7E6	20.675	21.505
28)	SA Decachlor...	9.015	7.992	51581800	100.9E6	21.631	23.250

Target Compounds

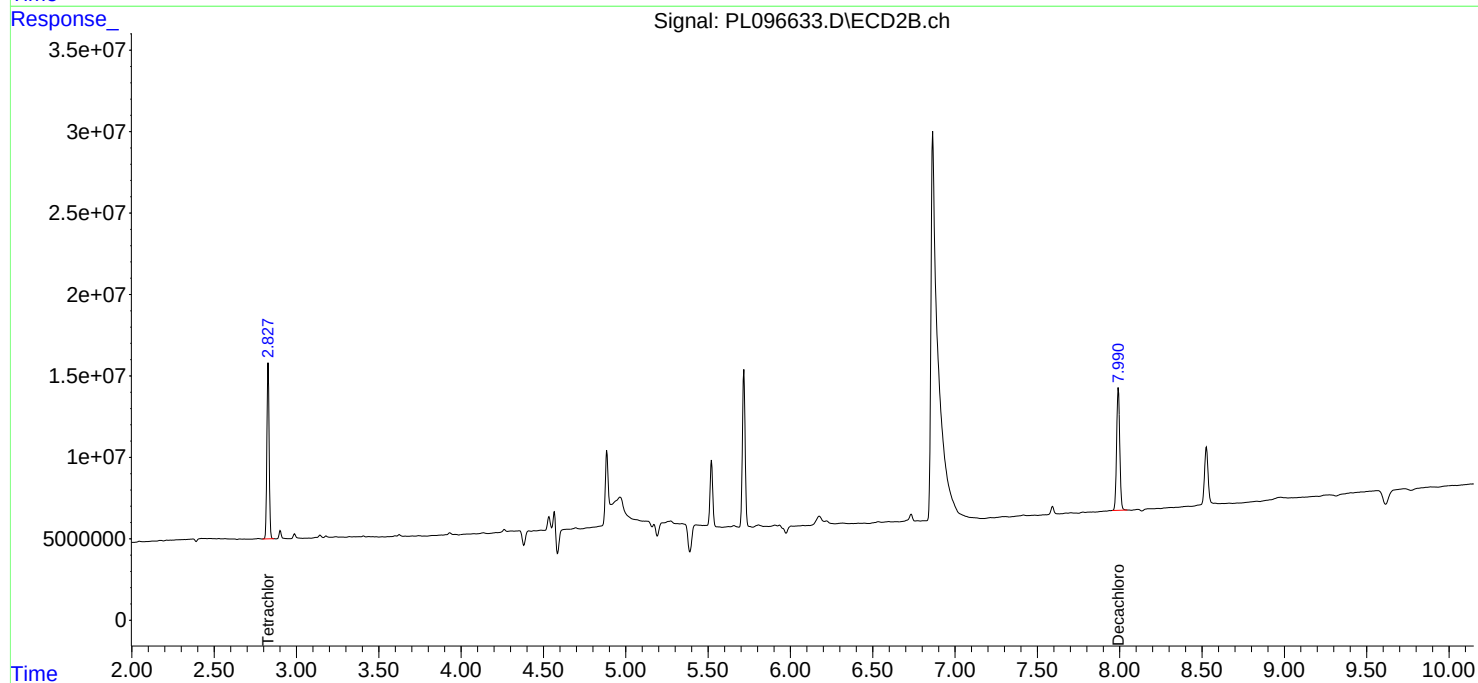
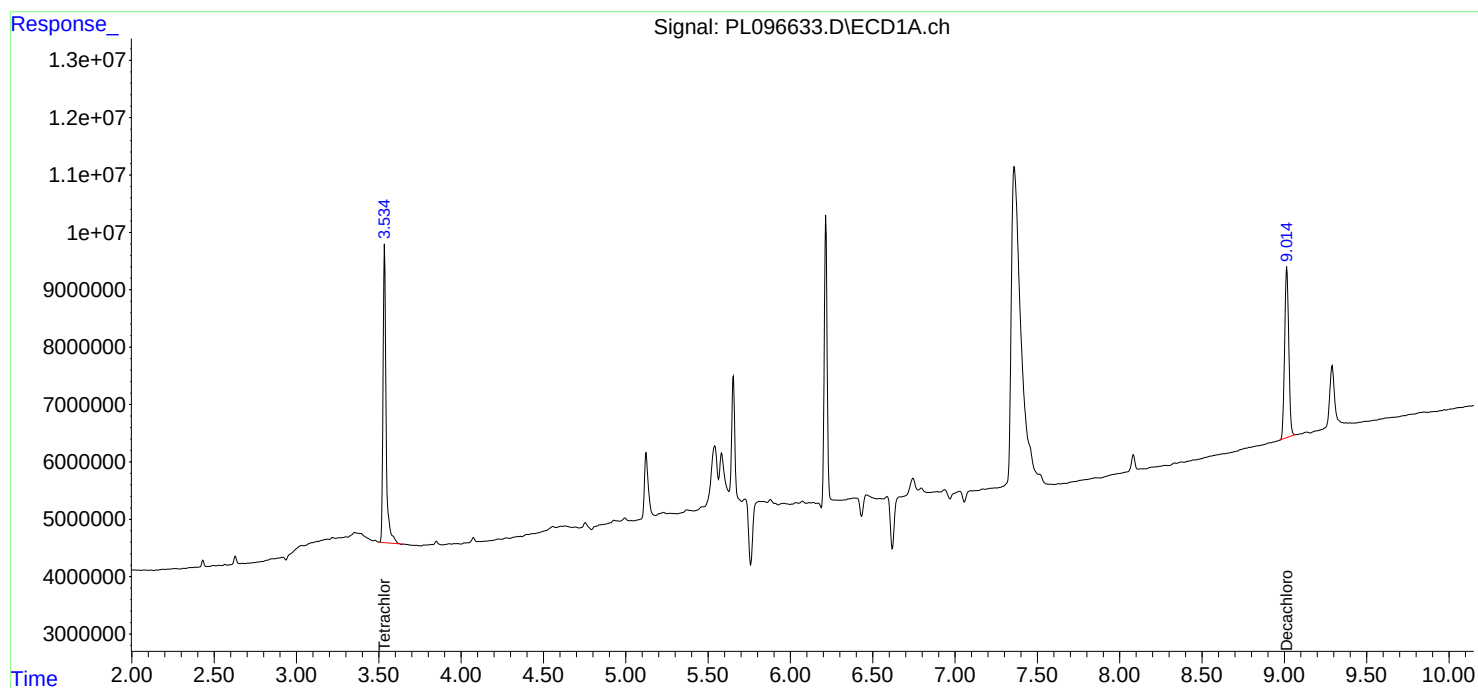
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096633.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:52
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: Jul 30 01:54:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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

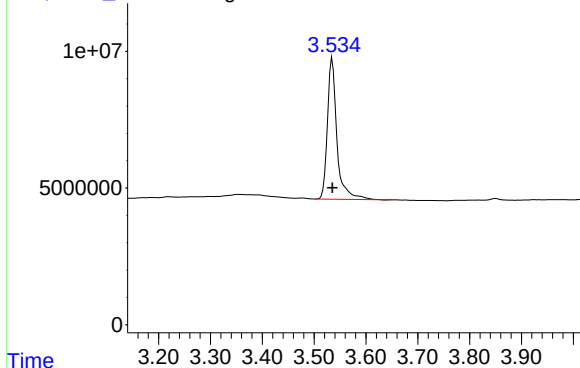


Response_ Signal: PL096633.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 65761221
Conc: 20.67 ng/ml

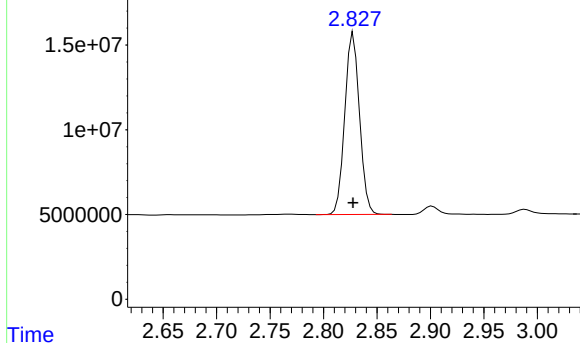
Instrument :
ECD_L
ClientSampleId :
I.BLK



Time Response_ Signal: PL096633.D\ECD2B.ch

#1 Tetrachloro-m-xylene

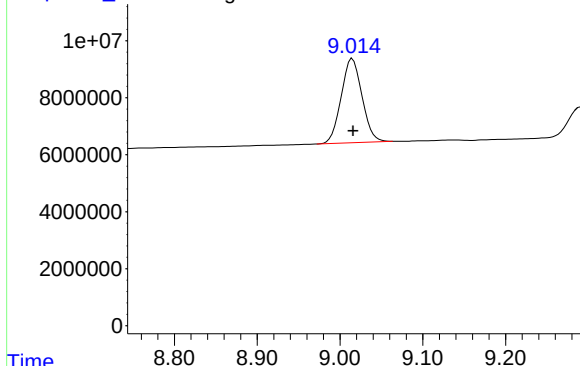
R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 102747140
Conc: 21.51 ng/ml



Time Response_ Signal: PL096633.D\ECD1A.ch

#28 Decachlorobiphenyl

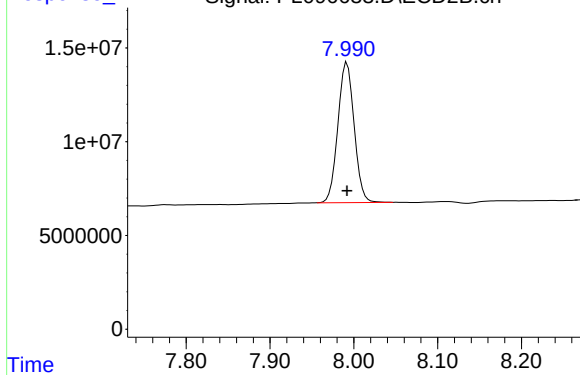
R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 51581800
Conc: 21.63 ng/ml



Time Response_ Signal: PL096633.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 100867121
Conc: 23.25 ng/ml



Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA	Date Received:	
Client Sample ID:	PB169038BS	SDG No.:	Q2681
Lab Sample ID:	PB169038BS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096628.D	1	07/29/25 08:48	07/29/25 17:44	PB169038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.51		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.50		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.50		0.0096	0.050	ug/L
72-20-8	Endrin	0.51		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.48		0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.0		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		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\PL072925\
 Data File : PL096628.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2025 17:44
 Operator : AR\AJ
 Sample : PB169038BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169038BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/30/2025
 Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 01:52:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	57023468	90124200	17.927	18.863
28)	SA Decachlor...	9.016	7.993	45199007	86950264	18.954	20.042
Target Compounds							
2)	A alpha-BHC	3.983	3.334	225.8E6	361.7E6	48.816	51.104
3)	MA gamma-BHC...	4.311	3.666	213.7E6	336.5E6	48.301	50.966
4)	MA Heptachlor	4.903	4.014	202.8E6	332.3E6	48.789	49.884
5)	MB Aldrin	5.243	4.297	203.6E6	312.4E6	47.345	50.333
6)	B beta-BHC	4.497	3.962	88406828	140.3E6	48.980	49.748
7)	B delta-BHC	4.742	4.195	198.0E6	329.5E6	49.619m	50.900
8)	B Heptachlo...	5.662	4.800	188.2E6	287.4E6	48.790	50.313
9)	A Endosulfan I	6.044	5.171	170.3E6	265.2E6	47.343	47.953
10)	B gamma-Chl...	5.916	5.051	183.9E6	297.0E6	48.326	50.511
11)	B alpha-Chl...	5.996	5.115	182.9E6	288.8E6	47.439	48.962
12)	B 4,4'-DDE	6.166	5.304	152.1E6	276.6E6	47.359	50.166
13)	MA Dieldrin	6.316	5.435	178.5E6	294.5E6	48.108	49.865
14)	MA Endrin	6.542	5.710	141.5E6	278.1E6	46.747	51.448
15)	B Endosulfa...	6.755	6.002	151.2E6	255.6E6	47.224	49.769
16)	A 4,4'-DDD	6.675	5.857	122.6E6	236.6E6	48.503	50.290
17)	MA 4,4'-DDT	6.989	6.110	133.4E6	240.3E6	46.518	47.515
18)	B Endrin al...	6.884	6.179	112.1E6	202.2E6	52.254	54.757
19)	B Endosulfa...	7.118	6.403	137.7E6	255.8E6	47.932	50.294
20)	A Methoxychlor	7.462	6.682	68031410	130.8E6	46.332	47.713
21)	B Endrin ke...	7.597	6.906	147.6E6	299.0E6	49.098	53.692m
22)	Mirex	8.076	7.097	119.5E6	211.9E6	48.212	48.581

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:44
Operator : AR\AJ
Sample : PB169038BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB169038BS

Manual Integrations

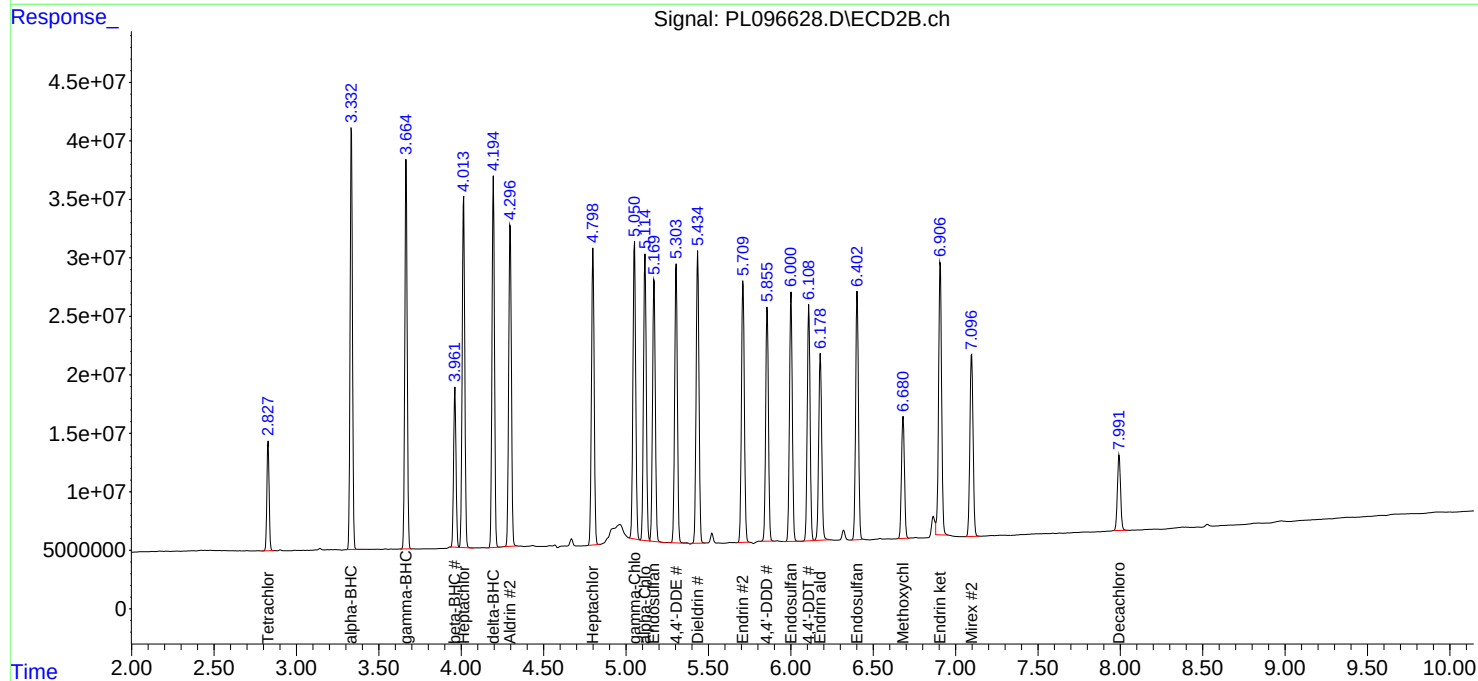
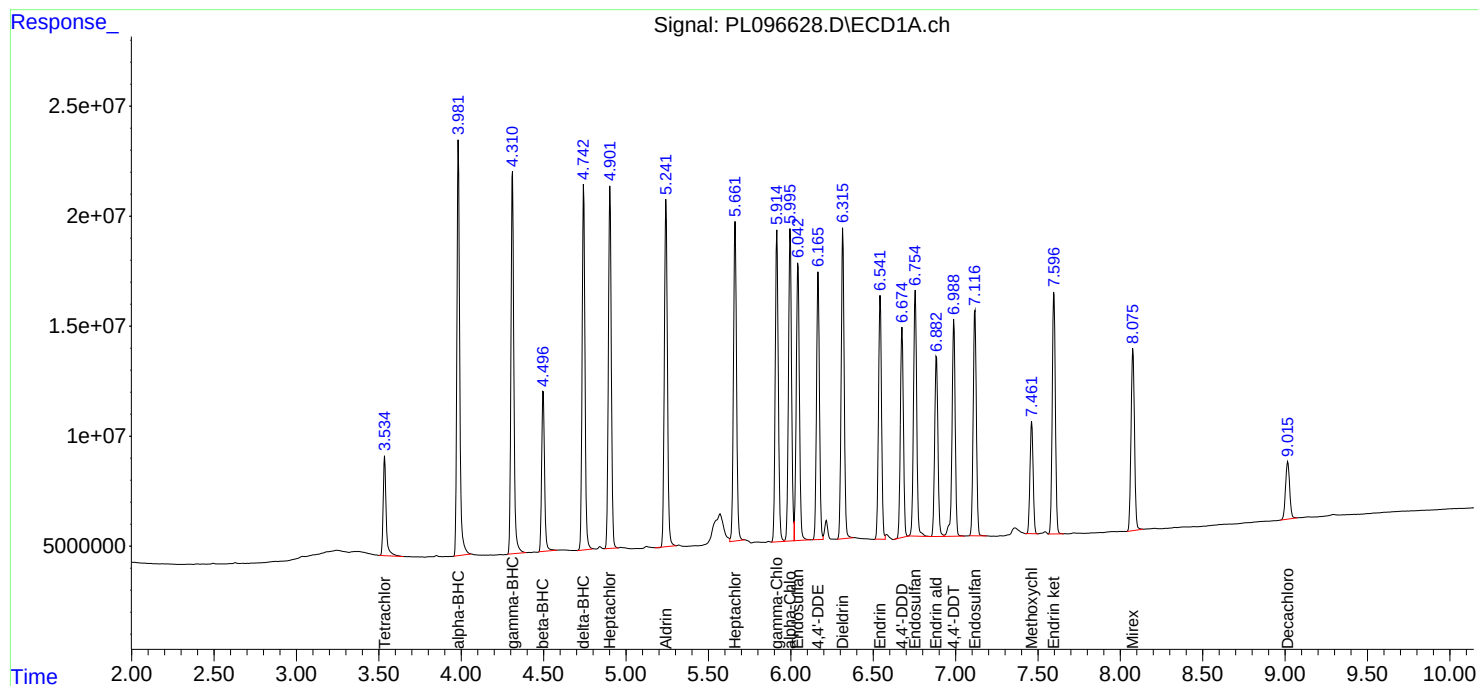
APPROVED

Reviewed By :Abdul Mirza 07/30/2025

Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:52:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBONMS	SDG No.:	Q2681
Lab Sample ID:	Q2681-01MS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096631.D	1	07/29/25 08:48	07/29/25 18:25	PB169038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.00		0.037	0.50	ug/L
76-44-8	Heptachlor	4.70		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.00		0.096	0.50	ug/L
72-20-8	Endrin	5.00		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.90		0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		57 - 171	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		61 - 148	87%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
 Data File : PL096631.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2025 18:25
 Operator : AR\AJ
 Sample : Q2681-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 NYPA-POUCH-SPENT-CARBONMS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/30/2025
 Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 01:53:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	52131869	83441911	16.390	17.465
28) SA Decachlor...	9.015	7.992	48750714	92876019	20.443	21.408
Target Compounds						
2) A alpha-BHC	3.982	3.334	221.9E6	353.8E6	47.971	49.999
3) MA gamma-BHC...	4.311	3.666	212.6E6	332.3E6	48.054	50.321
4) MA Heptachlor	4.903	4.014	192.7E6	311.2E6	46.373	46.707
5) MB Aldrin	5.242	4.297	190.7E6	291.5E6	44.329	46.960
6) B beta-BHC	4.497	3.962	87084584	134.1E6	48.247	47.539
7) B delta-BHC	4.741	4.195	204.1E6	330.8E6	51.147m	51.101
8) B Heptachlo...	5.662	4.799	189.4E6	287.7E6	49.104	50.370
9) A Endosulfan I	6.044	5.170	172.3E6	267.8E6	47.899	48.416
10) B gamma-Chl...	5.916	5.052	184.8E6	295.3E6	48.566	50.214
11) B alpha-Chl...	5.996	5.115	183.4E6	289.7E6	47.574	49.104
12) B 4,4'-DDE	6.166	5.304	151.1E6	276.2E6	47.039	50.090
13) MA Dieldrin	6.316	5.434	181.1E6	297.3E6	48.810	50.326
14) MA Endrin	6.542	5.709	151.0E6	272.1E6	49.882	50.339
15) B Endosulfa...	6.755	6.001	151.0E6	260.8E6	47.150	50.769
16) A 4,4'-DDD	6.674	5.856	123.8E6	238.1E6	48.975	50.603
17) MA 4,4'-DDT	6.989	6.109	139.5E6	245.9E6	48.645	48.611
18) B Endrin al...	6.884	6.179	117.1E6	213.1E6	54.577	57.907
19) B Endosulfa...	7.117	6.402	141.3E6	261.1E6	49.181	51.343
20) A Methoxychlor	7.461	6.681	70557979	134.3E6	48.052	48.996
21) B Endrin ke...	7.597	6.907	150.4E6	282.2E6	50.012	50.661
22) Mirex	8.076	7.098	119.7E6	216.3E6	48.271	49.593

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096631.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:25
Operator : AR\AJ
Sample : Q2681-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

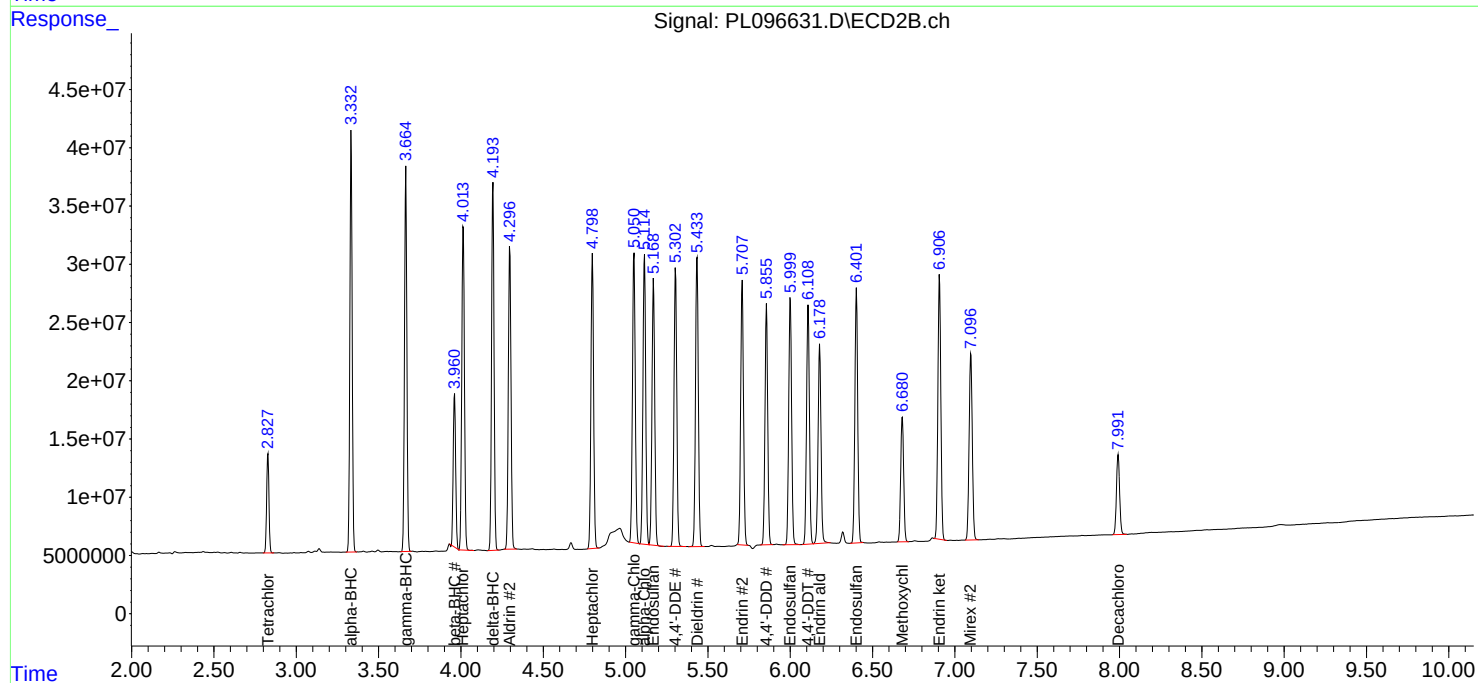
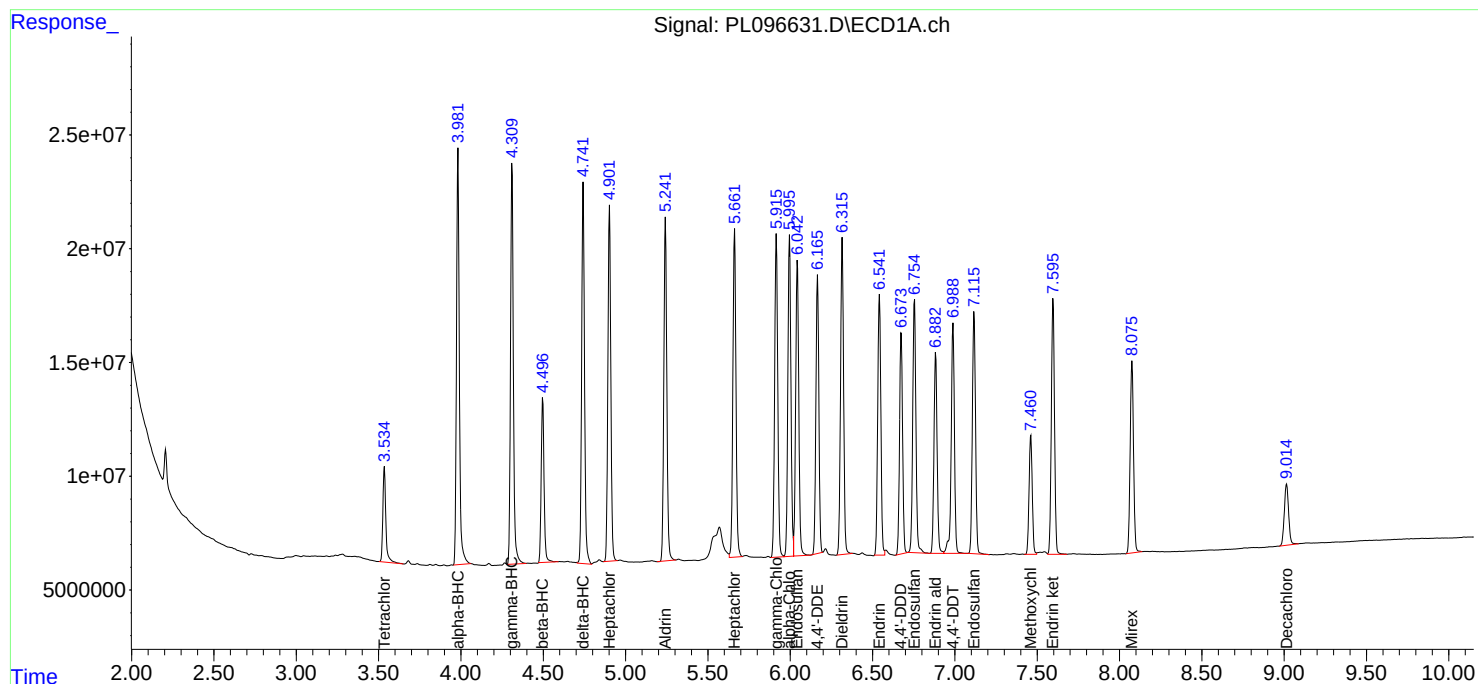
Instrument :
ECD_L
ClientSampleId :
NYPA-POUCH-SPENT-CARBONMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:53:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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:	Core Environmental Consultants and Services, Inc.		Date Collected:	07/23/25	
Project:	NYPA		Date Received:	07/23/25	
Client Sample ID:	NYPA-POUCH-SPENT-CARBONMSD		SDG No.:	Q2681	
Lab Sample ID:	Q2681-01MSD		Matrix:	TCLP	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096632.D	1	07/29/25 08:48	07/29/25 18:39	PB169038

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.10		0.037	0.50	ug/L
76-44-8	Heptachlor	4.80		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.096	0.50	ug/L
72-20-8	Endrin	5.20		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.00		0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.7		57 - 171	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		61 - 148	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
 Data File : PL096632.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2025 18:39
 Operator : AR\AJ
 Sample : Q2681-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 NYPA-POUCH-SPENT-CARBONMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/30/2025
 Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 01:53:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	53476279	85277755	16.812	17.849
28)	SA Decachlor...	9.015	7.992	49234131	94239650	20.646	21.723
Target Compounds							
2)	A alpha-BHC	3.982	3.333	226.5E6	361.5E6	48.955	51.088
3)	MA gamma-BHC...	4.310	3.665	216.8E6	339.5E6	49.008	51.417
4)	MA Heptachlor	4.903	4.014	196.7E6	317.9E6	47.325	47.712
5)	MB Aldrin	5.242	4.297	194.3E6	296.7E6	45.173	47.796
6)	B beta-BHC	4.497	3.960	88346314	145.2E6	48.946	51.467m
7)	B delta-BHC	4.741	4.195	209.2E6	338.0E6	52.426m	52.206
8)	B Heptachlo...	5.661	4.799	193.1E6	293.2E6	50.081	51.336
9)	A Endosulfan I	6.043	5.170	175.3E6	272.8E6	48.751	49.312
10)	B gamma-Chl...	5.915	5.051	188.8E6	301.6E6	49.614	51.292
11)	B alpha-Chl...	5.996	5.115	186.5E6	295.1E6	48.391	50.025
12)	B 4,4'-DDE	6.166	5.304	153.3E6	280.8E6	47.751	50.922
13)	MA Dieldrin	6.315	5.435	184.5E6	303.2E6	49.713	51.332
14)	MA Endrin	6.542	5.709	150.3E6	278.4E6	49.646	51.505
15)	B Endosulfa...	6.754	6.001	156.4E6	265.9E6	48.835	51.774
16)	A 4,4'-DDD	6.674	5.856	125.2E6	242.4E6	49.511	51.513
17)	MA 4,4'-DDT	6.989	6.109	140.6E6	250.7E6	49.032	49.560
18)	B Endrin al...	6.883	6.179	118.0E6	216.7E6	54.988	58.941
19)	B Endosulfa...	7.117	6.402	142.9E6	266.8E6	49.737	52.458
20)	A Methoxychlor	7.461	6.681	70655856	136.0E6	48.119	49.626
21)	B Endrin ke...	7.596	6.907	152.0E6	287.7E6	50.559	51.660
22)	Mirex	8.076	7.097	121.7E6	218.8E6	49.103	50.181

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072925\
Data File : PL096632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:39
Operator : AR\AJ
Sample : Q2681-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

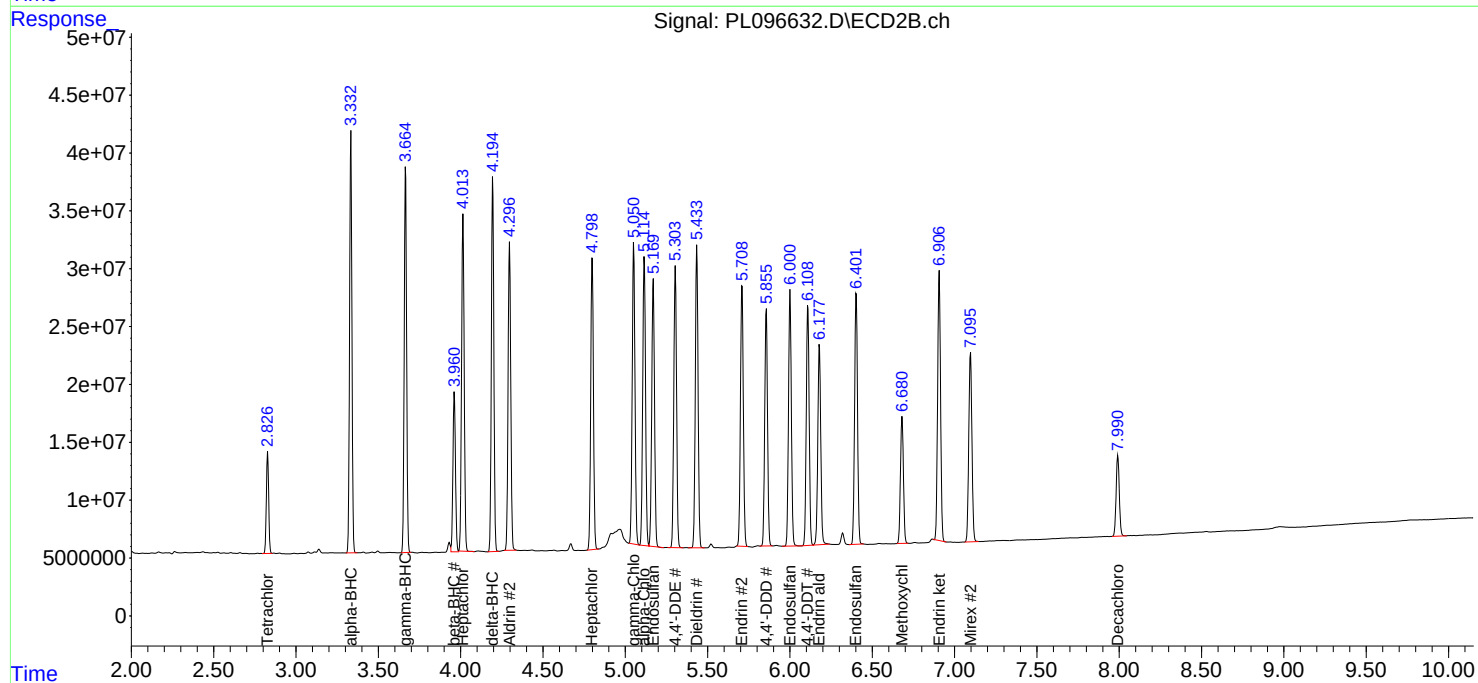
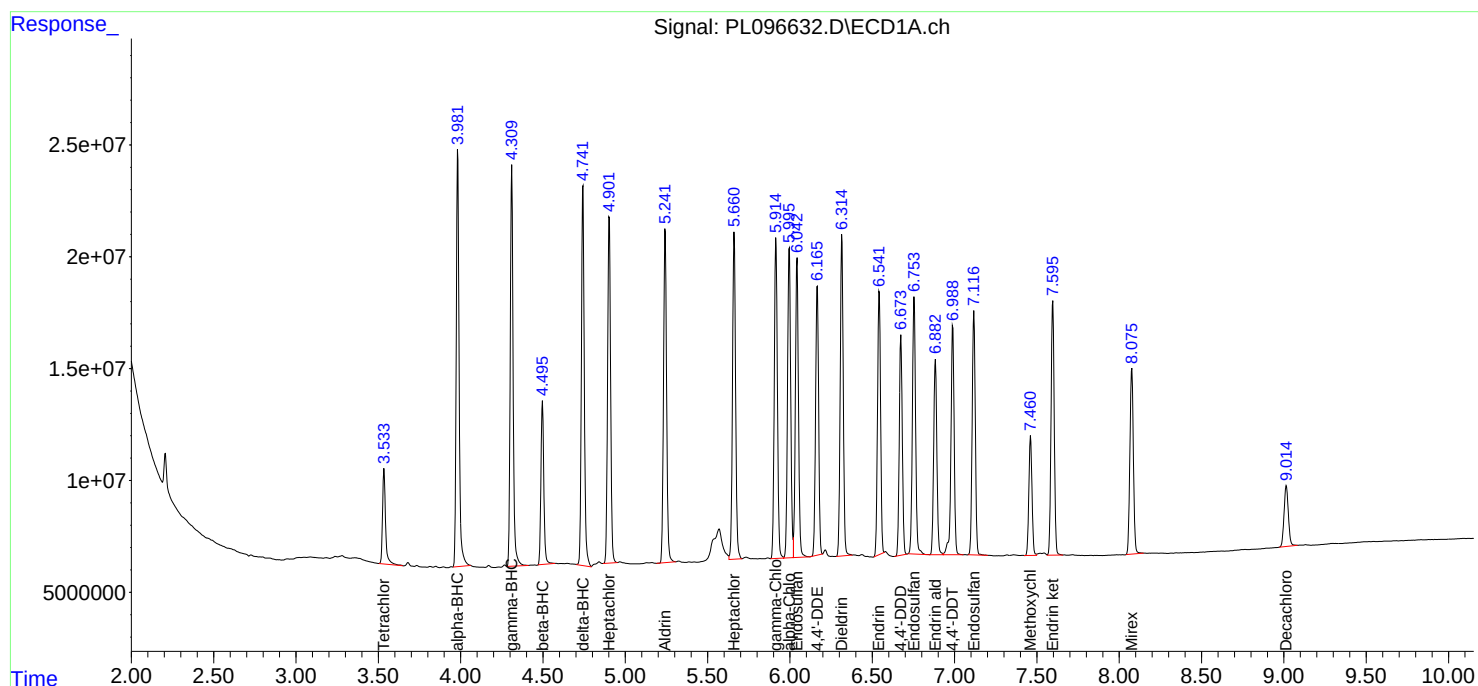
Instrument :
ECD_L
ClientSampleId :
NYPA-POUCH-SPENT-CARBONMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 01:53:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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:

pl072825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096594.D	4,4"-DDD	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	4,4"-DDD #2	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin aldehyde	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin ketone	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin ketone #2	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
RESCHK	PL096595.D	Endosulfan I #2	Abdul	7/29/2025 9:49:43 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC025	PL096599.D	Endrin aldehyde #2	Abdul	7/29/2025 9:49:47 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC025	PL096599.D	Endrin ketone #2	Abdul	7/29/2025 9:49:47 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Aldrin	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Endosulfan II	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Endrin aldehyde #2	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Heptachlor	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Heptachlor epoxide	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software



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

Manual Integration Report

Sequence:	pl072825	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICV050	PL096611.D	delta-BHC	Abdul	7/29/2025 9:49:55 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software

Manual Integration Report

Sequence:

pl072925

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096616.D	4,4"-DDD	Abdul	7/30/2025 8:37:52 AM	 	 	Peak Integrated by Software
PEM	PL096616.D	4,4"-DDD #2	Abdul	7/30/2025 8:37:52 AM	 	 	Peak Integrated by Software
PEM	PL096616.D	Endrin ketone	Abdul	7/30/2025 8:37:52 AM	 	 	Peak Integrated by Software
PEM	PL096616.D	Endrin ketone #2	Abdul	7/30/2025 8:37:52 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL096617.D	delta-BHC	Abdul	7/30/2025 8:37:55 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL096626.D	delta-BHC	Abdul	7/30/2025 8:38:12 AM	 	 	Peak Integrated by Software
PB169038BS	PL096628.D	delta-BHC	Abdul	7/30/2025 8:38:15 AM	 	 	Peak Integrated by Software
PB169038BS	PL096628.D	Endrin ketone #2	Abdul	7/30/2025 8:38:15 AM	 	 	Peak Integrated by Software
Q2681-01MS	PL096631.D	delta-BHC	Abdul	7/30/2025 8:38:18 AM	 	 	Peak Integrated by Software
Q2681-01MSD	PL096632.D	beta-BHC #2	Abdul	7/30/2025 8:38:21 AM	 	 	Peak Integrated by Software
Q2681-01MSD	PL096632.D	delta-BHC	Abdul	7/30/2025 8:38:21 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL096634.D	delta-BHC	Abdul	7/30/2025 8:38:25 AM	 	 	Peak Integrated by Software
PSTDCCC050	PL096634.D	Dieldrin #2	Abdul	7/30/2025 8:38:25 AM	 	 	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pl072925

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM
SubDirectory	PL072825	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096592.D	28 Jul 2025 15:57	AR\AJ	Ok
2	I.BLK	PL096593.D	28 Jul 2025 16:11	AR\AJ	Ok
3	PEM	PL096594.D	28 Jul 2025 16:25	AR\AJ	Ok,M
4	RESCHK	PL096595.D	28 Jul 2025 16:38	AR\AJ	Ok,M
5	PSTDICC100	PL096596.D	28 Jul 2025 16:52	AR\AJ	Ok
6	PSTDICC075	PL096597.D	28 Jul 2025 17:06	AR\AJ	Ok
7	PSTDICC050	PL096598.D	28 Jul 2025 17:19	AR\AJ	Ok
8	PSTDICC025	PL096599.D	28 Jul 2025 17:33	AR\AJ	Ok,M
9	PSTDICC005	PL096600.D	28 Jul 2025 17:47	AR\AJ	Ok,M
10	PCHLORICC1000	PL096601.D	28 Jul 2025 18:00	AR\AJ	Ok
11	PCHLORICC750	PL096602.D	28 Jul 2025 18:14	AR\AJ	Ok
12	PCHLORICC500	PL096603.D	28 Jul 2025 18:27	AR\AJ	Ok
13	PCHLORICC250	PL096604.D	28 Jul 2025 18:41	AR\AJ	Ok
14	PCHLORICC050	PL096605.D	28 Jul 2025 18:55	AR\AJ	Ok
15	PTOXICC1000	PL096606.D	28 Jul 2025 19:08	AR\AJ	Ok
16	PTOXICC750	PL096607.D	28 Jul 2025 19:22	AR\AJ	Ok
17	PTOXICC500	PL096608.D	28 Jul 2025 19:36	AR\AJ	Ok
18	PTOXICC250	PL096609.D	28 Jul 2025 19:49	AR\AJ	Ok
19	PTOXICC100	PL096610.D	28 Jul 2025 20:03	AR\AJ	Ok
20	PSTDICV050	PL096611.D	28 Jul 2025 20:17	AR\AJ	Ok,M
21	PCHLORICV500	PL096612.D	28 Jul 2025 20:30	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM
SubDirectory	PL072825	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL096613.D	28 Jul 2025 20:44	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072925

Review By	Abdul	Review On	7/30/2025 8:38:46 AM
Supervise By		Supervise On	
SubDirectory	PL072925	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096614.D	29 Jul 2025 10:31	AR\AJ	Ok
2	I.BLK	PL096615.D	29 Jul 2025 10:44	AR\AJ	Ok
3	PEM	PL096616.D	29 Jul 2025 12:16	AR\AJ	Ok,NS
4	PSTDCCC050	PL096617.D	29 Jul 2025 13:16	AR\AJ	Ok,NS
5	PB169041BL	PL096618.D	29 Jul 2025 13:56	AR\AJ	Ok
6	PB169041BS	PL096619.D	29 Jul 2025 14:13	AR\AJ	Ok,NS
7	PB169003BS	PL096620.D	29 Jul 2025 14:42	AR\AJ	Ok,NS
8	Q2709-01	PL096621.D	29 Jul 2025 16:09	AR\AJ	Ok,NS
9	Q2709-01MS	PL096622.D	29 Jul 2025 16:22	AR\AJ	Ok,NS
10	Q2709-01MSD	PL096623.D	29 Jul 2025 16:36	AR\AJ	Ok,NS
11	Q2710-01	PL096624.D	29 Jul 2025 16:50	AR\AJ	Ok
12	I.BLK	PL096625.D	29 Jul 2025 17:03	AR\AJ	Ok
13	PSTDCCC050	PL096626.D	29 Jul 2025 17:17	AR\AJ	Ok,NS
14	PB169038BL	PL096627.D	29 Jul 2025 17:31	AR\AJ	Ok
15	PB169038BS	PL096628.D	29 Jul 2025 17:44	AR\AJ	Ok,NS
16	PB168986TB	PL096629.D	29 Jul 2025 17:58	AR\AJ	Ok
17	Q2681-01	PL096630.D	29 Jul 2025 18:11	AR\AJ	Ok
18	Q2681-01MS	PL096631.D	29 Jul 2025 18:25	AR\AJ	Ok,NS
19	Q2681-01MSD	PL096632.D	29 Jul 2025 18:39	AR\AJ	Ok,NS
20	I.BLK	PL096633.D	29 Jul 2025 18:52	AR\AJ	Ok
21	PSTDCCC050	PL096634.D	29 Jul 2025 19:06	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM
SubDirectory	PL072825	HP Acquire Method	HP Processing Method p1072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096592.D	28 Jul 2025 15:57		AR\AJ	Ok
2	I.BLK	I.BLK	PL096593.D	28 Jul 2025 16:11		AR\AJ	Ok
3	PEM	PEM	PL096594.D	28 Jul 2025 16:25		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL096595.D	28 Jul 2025 16:38		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL096596.D	28 Jul 2025 16:52		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL096597.D	28 Jul 2025 17:06		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL096598.D	28 Jul 2025 17:19	Comp#18 kept on L.R. for 2nd column	AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL096599.D	28 Jul 2025 17:33		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL096600.D	28 Jul 2025 17:47		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL096601.D	28 Jul 2025 18:00		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL096602.D	28 Jul 2025 18:14		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL096603.D	28 Jul 2025 18:27		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL096604.D	28 Jul 2025 18:41		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL096605.D	28 Jul 2025 18:55		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL096606.D	28 Jul 2025 19:08		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL096607.D	28 Jul 2025 19:22		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL096608.D	28 Jul 2025 19:36		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM
SubDirectory	PL072825	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PTOXICC250	PTOXICC250	PL096609.D	28 Jul 2025 19:49		AR\AJ	Ok
19	PTOXICC100	PTOXICC100	PL096610.D	28 Jul 2025 20:03		AR\AJ	Ok
20	PSTDICV050	ICVPL072825	PL096611.D	28 Jul 2025 20:17		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL072825CHLOR	PL096612.D	28 Jul 2025 20:30		AR\AJ	Ok
22	PTOXICV500	ICVPL072825TOX	PL096613.D	28 Jul 2025 20:44		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072925

Review By	Abdul	Review On	7/30/2025 8:38:46 AM
Supervise By		Supervise On	
SubDirectory	PL072925	HP Acquire Method	HP Processing Method pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096614.D	29 Jul 2025 10:31		AR\AJ	Ok
2	I.BLK	I.BLK	PL096615.D	29 Jul 2025 10:44		AR\AJ	Ok
3	PEM	PEM	PL096616.D	29 Jul 2025 12:16		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PL096617.D	29 Jul 2025 13:16		AR\AJ	Ok,NS
5	PB169041BL	PB169041BL	PL096618.D	29 Jul 2025 13:56		AR\AJ	Ok
6	PB169041BS	PB169041BS	PL096619.D	29 Jul 2025 14:13		AR\AJ	Ok,NS
7	PB169003BS	PB169003BS	PL096620.D	29 Jul 2025 14:42		AR\AJ	Ok,NS
8	Q2709-01	7211935-295	PL096621.D	29 Jul 2025 16:09		AR\AJ	Ok,NS
9	Q2709-01MS	7211935-295MS	PL096622.D	29 Jul 2025 16:22		AR\AJ	Ok,NS
10	Q2709-01MSD	7211935-295MSD	PL096623.D	29 Jul 2025 16:36		AR\AJ	Ok,NS
11	Q2710-01	JC-03-07282025	PL096624.D	29 Jul 2025 16:50		AR\AJ	Ok
12	I.BLK	I.BLK	PL096625.D	29 Jul 2025 17:03		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL096626.D	29 Jul 2025 17:17		AR\AJ	Ok,NS
14	PB169038BL	PB169038BL	PL096627.D	29 Jul 2025 17:31		AR\AJ	Ok
15	PB169038BS	PB169038BS	PL096628.D	29 Jul 2025 17:44		AR\AJ	Ok,NS
16	PB168986TB	PB168986TB	PL096629.D	29 Jul 2025 17:58		AR\AJ	Ok
17	Q2681-01	NYPA-POUCH-SPENT	PL096630.D	29 Jul 2025 18:11		AR\AJ	Ok
18	Q2681-01MS	NYPA-POUCH-SPENT	PL096631.D	29 Jul 2025 18:25		AR\AJ	Ok,NS

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072925

Review By	Abdul	Review On	7/30/2025 8:38:46 AM
Supervise By		Supervise On	
SubDirectory	PL072925	HP Acquire Method	HP Processing Method pl072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2681-01MSD	NYPA-POUCH-SPENT	PL096632.D	29 Jul 2025 18:39		AR\AJ	Ok,NS
20	I.BLK	I.BLK	PL096633.D	29 Jul 2025 18:52		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PL096634.D	29 Jul 2025 19:06		AR\AJ	Ok,NS

M : Manual Integration

SOP ID : M1311-TCLP-16
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : T-1 / T-2
TCLP Filter ID : 115525

Start Prep Date : 07/24/2025 **Time :** 15:00
End Prep Date : 07/25/2025 **Time :** 08:20
Combination Ratio : 20
ZHE Cleaning Batch : N/A 18
Initial Room Temperature: 23 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : 18
Supervisor By : 12

Standard Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112804
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. Matrix spikes are added after filtration and before preservation. q2691-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/25/25 11:00	JP 1st Room	SLS met dia RJ/EH
	Preparation Group	Analysis Group met dia

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168986TB	LEB986	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2635-04	RT2286	01	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2681-01	NYPA-POUCH-SPENT-CARBON	02	100.01	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2685-01	COMP-1	03	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2685-02	COMP-2	04	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2685-03	COMP-3	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2685-04	COMP-4	06	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2688-01	COMP-1	07	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2688-02	COMP-2	08	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2688-03	COMP-3	09	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2688-04	COMP-4	10	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2688-05	COMP-5	11	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2688-06	COMP-6	12	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q2688-07	COMP-7	13	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q2688-08	COMP-8	14	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q2688-10	SOM-103	15	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2688-11	SOM-77	16	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q2691-02	295	17	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-2
Q2691-08	299	18	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168986TB	LEB986	N/A	N/A	N/A	N/A	N/A	N/A
Q2635-04	RT2286	N/A	N/A	N/A	N/A	100	N/A
Q2681-01	NYPA-POUCH-SPENT-CARBON	N/A	N/A	N/A	N/A	100	N/A
Q2685-01	COMP-1	N/A	N/A	N/A	N/A	100	N/A
Q2685-02	COMP-2	N/A	N/A	N/A	N/A	100	N/A
Q2685-03	COMP-3	N/A	N/A	N/A	N/A	100	N/A
Q2685-04	COMP-4	N/A	N/A	N/A	N/A	100	N/A
Q2688-01	COMP-1	N/A	N/A	N/A	N/A	100	N/A
Q2688-02	COMP-2	N/A	N/A	N/A	N/A	100	N/A
Q2688-03	COMP-3	N/A	N/A	N/A	N/A	100	N/A
Q2688-04	COMP-4	N/A	N/A	N/A	N/A	100	N/A
Q2688-05	COMP-5	N/A	N/A	N/A	N/A	100	N/A
Q2688-06	COMP-6	N/A	N/A	N/A	N/A	100	N/A
Q2688-07	COMP-7	N/A	N/A	N/A	N/A	100	N/A
Q2688-08	COMP-8	N/A	N/A	N/A	N/A	100	N/A
Q2688-10	SOM-103	N/A	N/A	N/A	N/A	100	N/A
Q2688-11	SOM-77	N/A	N/A	N/A	N/A	100	N/A
Q2691-02	295	N/A	N/A	N/A	N/A	100	N/A
Q2691-08	299	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 / WC S-2

 Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB168986TB	LEB986	N/A	N/A	N/A	N/A	#1	4.93
Q2635-04	RT2286	5.02	96.5	8.0	3.0	#1	4.93
Q2681-01	NYPA-POUCH-SPENT-CARBON	5.03	96.5	5.6	1.5	#1	4.93
Q2685-01	COMP-1	5.01	96.5	5.6	2.0	#1	4.93
Q2685-02	COMP-2	5.02	96.5	5.5	1.5	#1	4.93
Q2685-03	COMP-3	5.04	96.5	5.8	2.0	#1	4.93
Q2685-04	COMP-4	5.02	96.5	5.5	2.0	#1	4.93
Q2688-01	COMP-1	5.03	96.5	5.6	1.5	#1	4.93
Q2688-02	COMP-2	5.01	96.5	5.5	2.0	#1	4.93
Q2688-03	COMP-3	5.03	96.5	5.6	1.5	#1	4.93
Q2688-04	COMP-4	5.03	96.5	5.5	2.0	#1	4.93
Q2688-05	COMP-5	5.01	96.5	5.5	2.0	#1	4.93
Q2688-06	COMP-6	5.02	96.5	5.6	1.5	#1	4.93
Q2688-07	COMP-7	5.03	96.5	5.5	1.5	#1	4.93
Q2688-08	COMP-8	5.02	96.5	5.6	2.0	#1	4.93
Q2688-10	SOM-103	5.02	96.5	5.5	1.5	#1	4.93
Q2688-11	SOM-77	5.02	96.5	5.5	1.5	#1	4.93
Q2691-02	295	5.02	96.5	6.4	2.0	#1	4.93
Q2691-08	299	5.04	96.5	7.2	2.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip q2688

WorkList ID : 190915

Department : TCLP Extraction

Date : 07-24-2025 11:29:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2635-04	RT2286	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	07/17/2025	1311
Q2681-01	NYPA-POUCH-SPENT-CARBO	Solid	TCLP Extraction	Cool 4 deg C	CORE02	D21	07/23/2025	1311
Q2685-01	COMP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2685-02	COMP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2685-03	COMP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2685-04	COMP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-01	COMP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-02	COMP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-03	COMP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-04	COMP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-05	COMP-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-06	COMP-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-07	COMP-7	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-08	COMP-8	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-10	SOM-103	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2688-11	SOM-77	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2691-02	295	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/23/2025	1311
Q2691-08	299	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	07/24/2025	1311

Date/Time 07/24/25 14:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/24/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3510C,3580A-Extraction Pesticide-17

Clean Up SOP #: N/A

Extraction Start Date : 07/29/2025

Matrix : Water

Extraction Start Time : 08:48

Weigh By: N/A

Extraction By: RS

Extraction End Date : 07/29/2025

Balance check: N/A

Filter By: RS

Extraction End Time : 13:15

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3880

Hood ID: 4,6,7

Supervisor By : RUPESH

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	PP24627
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3954
Baked Na2SO4	N/A	EP2629
Hexane	N/A	E3956
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/29/25	RS (Ext Lab)	Y-PRESTIP CB
13:20	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-17

Concentration Date: 07/29/2025

Sample ID	Client Sample ID	Test	g / <u>mL</u>	PH	Surr / Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168986TB	PB168986TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-7
PB169038BL	PBLK038	TCLP Pesticide	1000	6	RUPESH	ritesh	10			8
PB169038BS	PLCS038	TCLP Pesticide	1000	6	RUPESH	ritesh	10			9
Q2681-01	NYPA-POUCH-SPENT-CAR BON	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q2681-01MS	NYPA-POUCH-SPENT-CAR BONMS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11
Q2681-01MS D	NYPA-POUCH-SPENT-CAR BONMSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		12

RS
7/29

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168986TB	LEB986	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2635-04	RT2286	01	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2681-01	NYPA-POUCH-SPENT-CARBON	02	100.01	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2685-01	COMP-1	03	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2685-02	COMP-2	04	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2685-03	COMP-3	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2685-04	COMP-4	06	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2688-01	COMP-1	07	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2688-02	COMP-2	08	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2688-03	COMP-3	09	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2688-04	COMP-4	10	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2688-05	COMP-5	11	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2688-06	COMP-6	12	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q2688-07	COMP-7	13	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q2688-08	COMP-8	14	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q2688-10	SOM-103	15	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2688-11	SOM-77	16	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q2691-02	295	17	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-2
Q2691-08	299	18	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2

07/25/25
11:00

Prep Standard - Chemical Standard Summary

Order ID : Q2681

Test : TCLP Pesticide

Prepbatch ID : PB169038,

Sequence ID/Qc Batch ID: pl072925,

Standard ID :

EP2629,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,P
P24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,P
P24282,PP24283,PP24284,PP24329,PP24433,PP24627,PP24651,PP24663,

Chemical ID :

E3875,E3877,E3914,E3937,E3941,E3944,E3954,E3956,P12603,P 12611,P13037,P13040,P13195,P13246,P13356,P13
405,P13785,P13786,P13861,P9052,W3177,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2629	07/28/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/28/2025
<u>FROM</u> 4000.00000gram of E3875 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u>	1.00000ml of P13785 + 9.00000ml of E3877 = 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>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = 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	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml



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Fax : 908 789 8922

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

[illegible]

<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	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u> 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = 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>
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = 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>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = 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>
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = 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>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = 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>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = 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>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = 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>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = 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>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = 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>
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = 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>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = 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>
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = 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>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = 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>
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = 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>
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = 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>
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = 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>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = 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>
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = 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>
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = 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>
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel
								04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24627	06/10/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel
								06/11/2025

FROM 95.00000ml of E3937 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = 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>
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

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

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	11/22/2025	05/22/2025 / RUPESH	05/14/2025 / RUPESH	E3937

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

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 #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

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	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

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	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

CHEMICAL RECEIPT LOG BOOK

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	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

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	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

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	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

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	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

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



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CERTIFICATE OF ANALYSIS

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

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

COMMENTS

QC: PhC Irma Belmares

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

RE-02-01, Ed. 3

E 3875

Certificate of Analysis

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

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

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

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

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

Recd. by RP on 2/12/25

 E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

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 RS on 3/14/25



E3914

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

E3937

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

Certificate of Analysis

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

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



Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

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

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

RS
7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

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

 **avantors**[™]



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

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

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

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

Received on 7/16/25

E3956



Jamie Croak
Director Quality Operations, Bioscience Production

RESTEK

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.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
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	—%	1,010.0 µg/mL	+/- 56.0475

* 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:

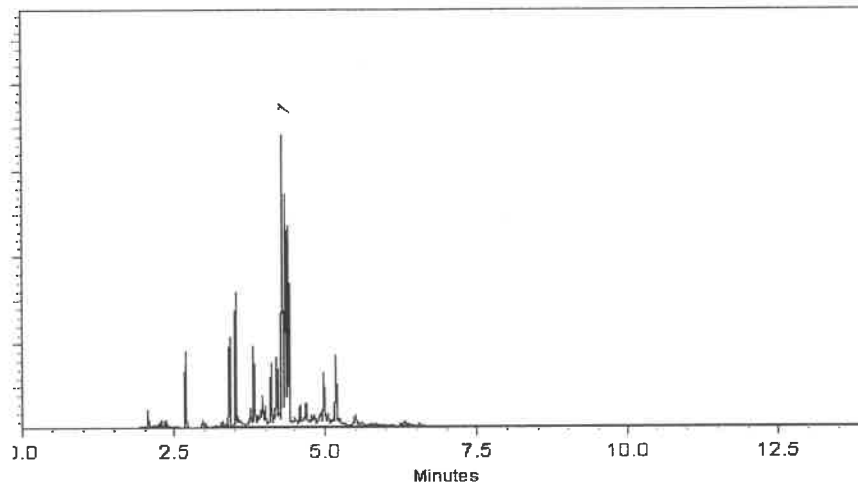
ECD

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.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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

CRm
P 12611
↓
P 12615
⑤
CRout
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. : 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
 ↓
 P13043
 5
 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.)

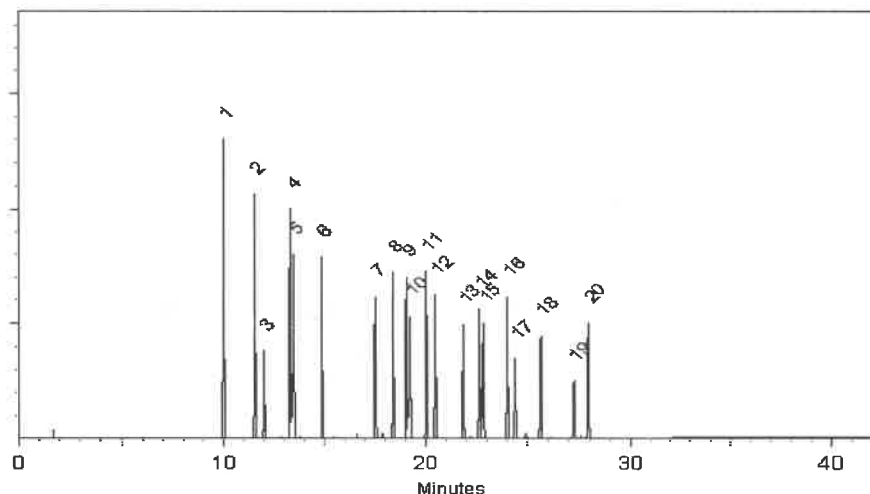
Inj. Temp:
 200°C

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 Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone
Lot# 81025

Expiration Date: 04/2027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

SE-05 Balance Uncertainty
0.006 Flask Uncertainty

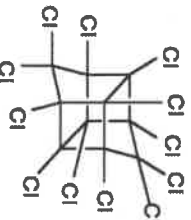
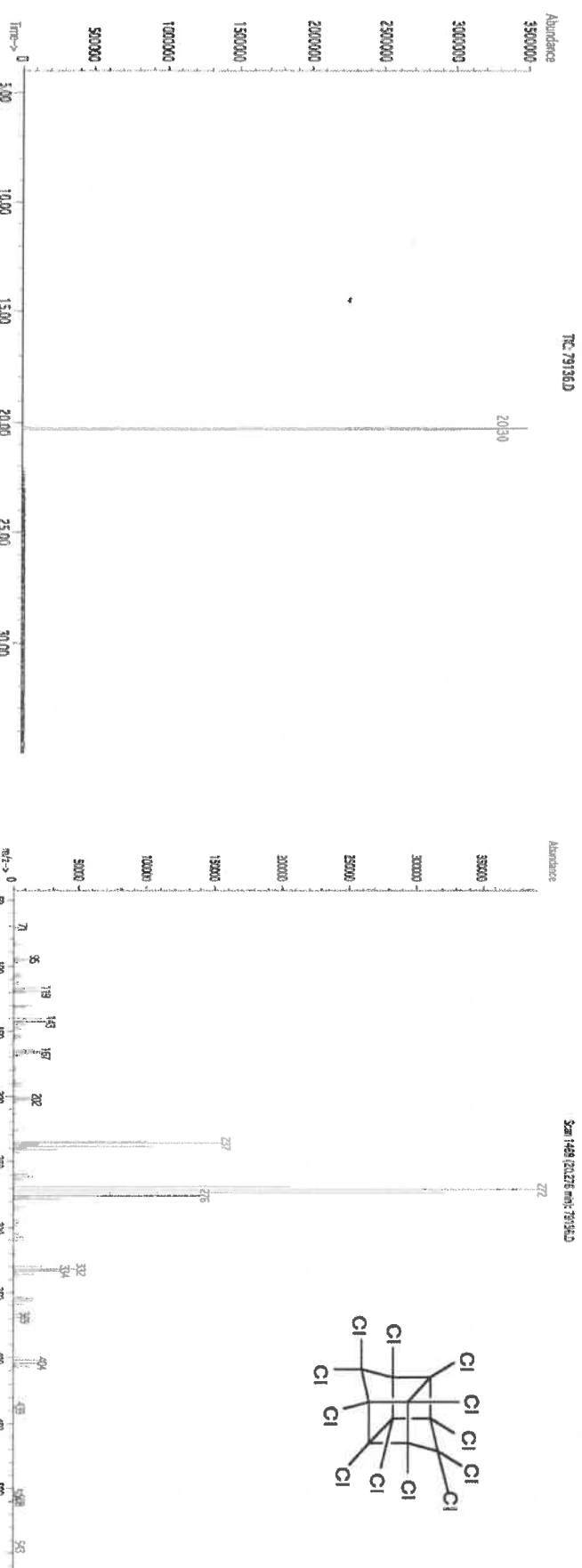
Weight(s) shown below were combined and diluted to (mL): 50.0

Formulated By: <i>Prashant Chauhan</i>	DATE 04/2022
Reviewed By: <i>Pedro L. Renteria</i>	DATE 04/2022

SDS Information													
Expanded													
Compound	Lot	Nominal	Purity	Uncertainty	Target	Actual	Actual	Uncertainty	Solvent Safety Info. On Attached pg.)				
									RM#	Number	Conc (µg/mL)	(%)	Purity

1. Mirex 437 9492400 1000 99.4 0.5 0.05034 0.05040 1001.1 10.3 2385-85-5 N/A or-rel: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.



Handwritten notes:
P13195
P13199
5
01/17/2024

- 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, sample, 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).

01/17/2024
JALIN

5



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

P 12603
↓
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:

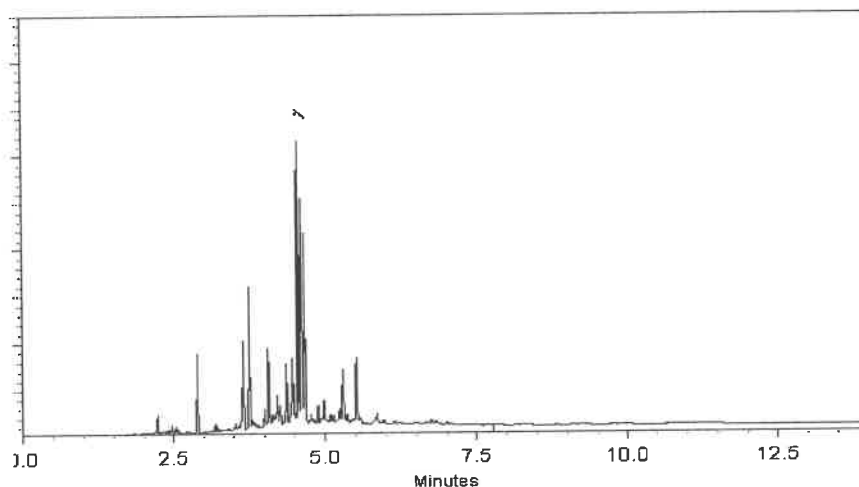
ECD

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

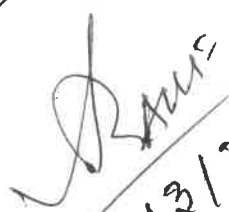
Date Mixed: 11-May-2023

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. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

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

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

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

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

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

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

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

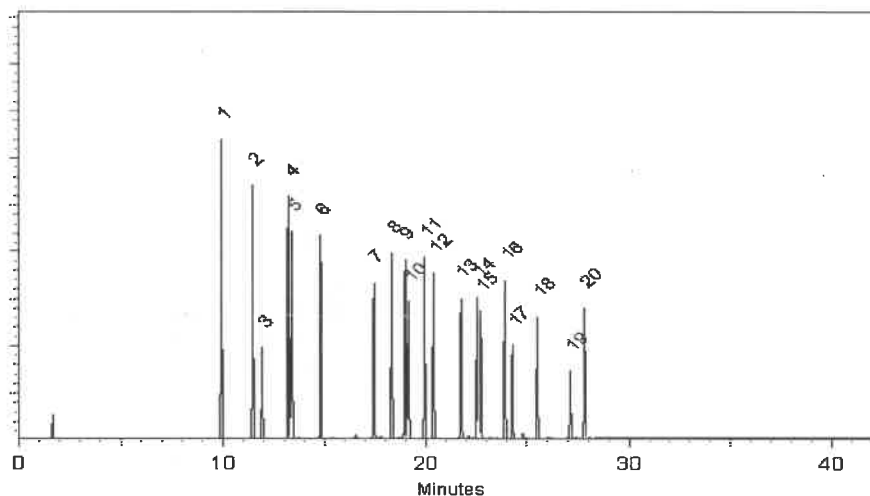
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

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

9 components
013129
Refrigerate (4 °C)
Varied

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

NIST Test ID#:

6UTB

5E-05
Balance Uncertainty
Pipet Uncertainty

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

100.0
0.021

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

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

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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P14420
P1442



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

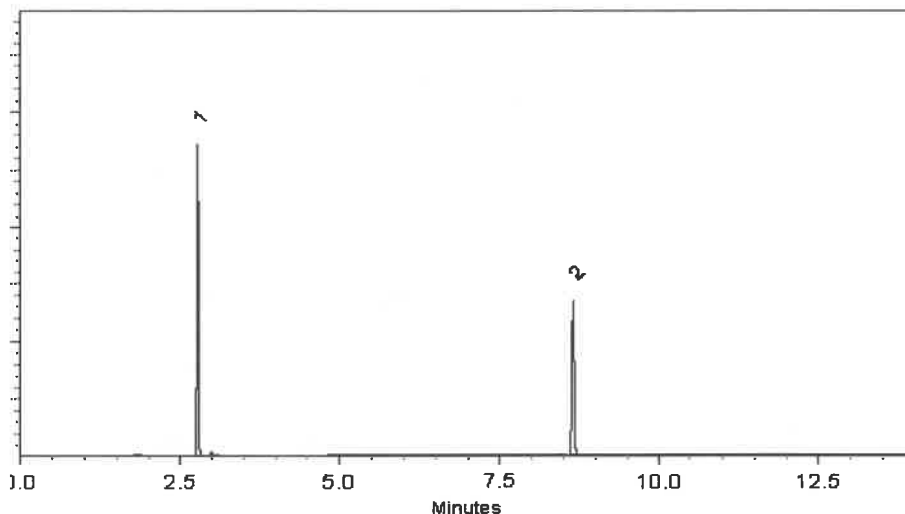
ECD

Split Vent:

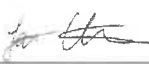
10 ml/min.

Inj. Vol

1µl

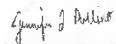


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

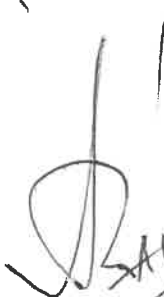
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357
10


SAUF
04/25/2025



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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.:** A0203038

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

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

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

P13402
P13406
5/22/2024

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%

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:

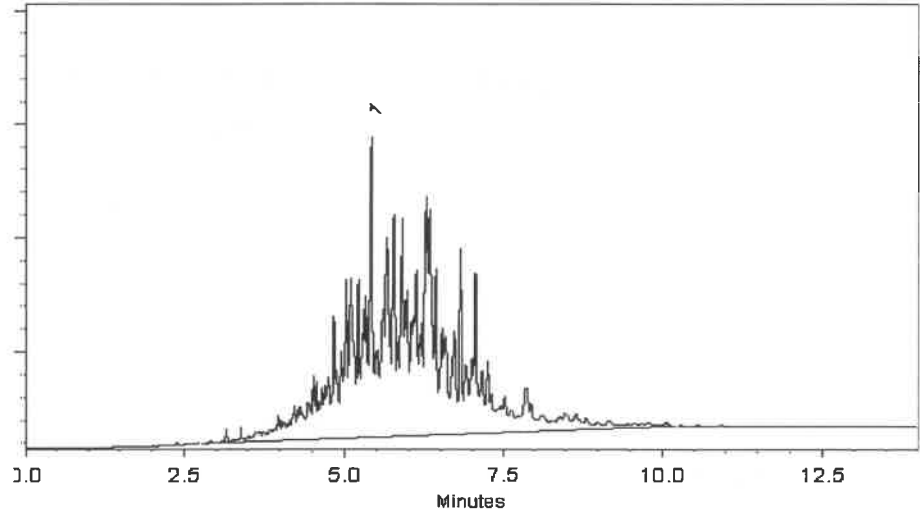
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

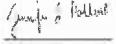


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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 #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



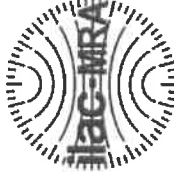
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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.)

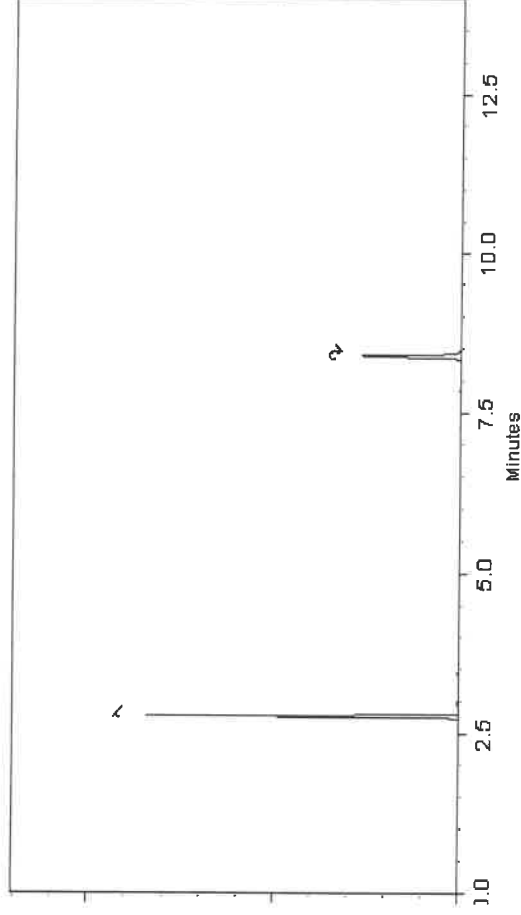
Inj. Temp:
250°C

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



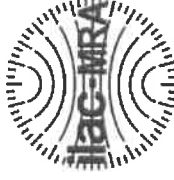
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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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.)

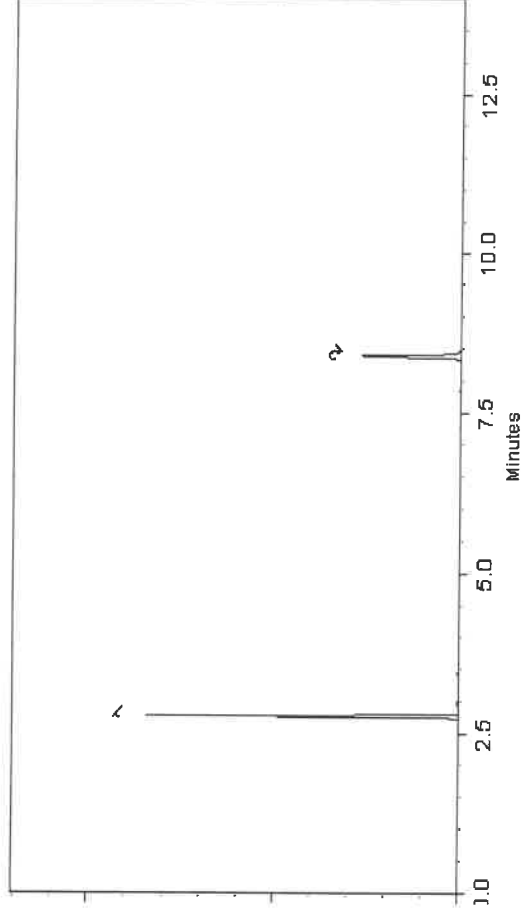
Inj. Temp:
250°C

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:

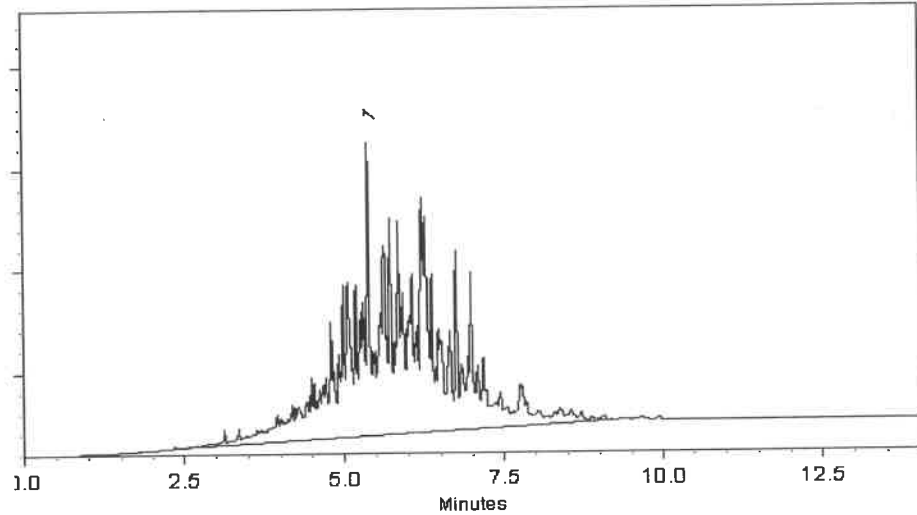
ECD

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

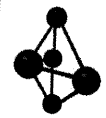

Christie Mills - Operations Lead Tech - ARM QC

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):

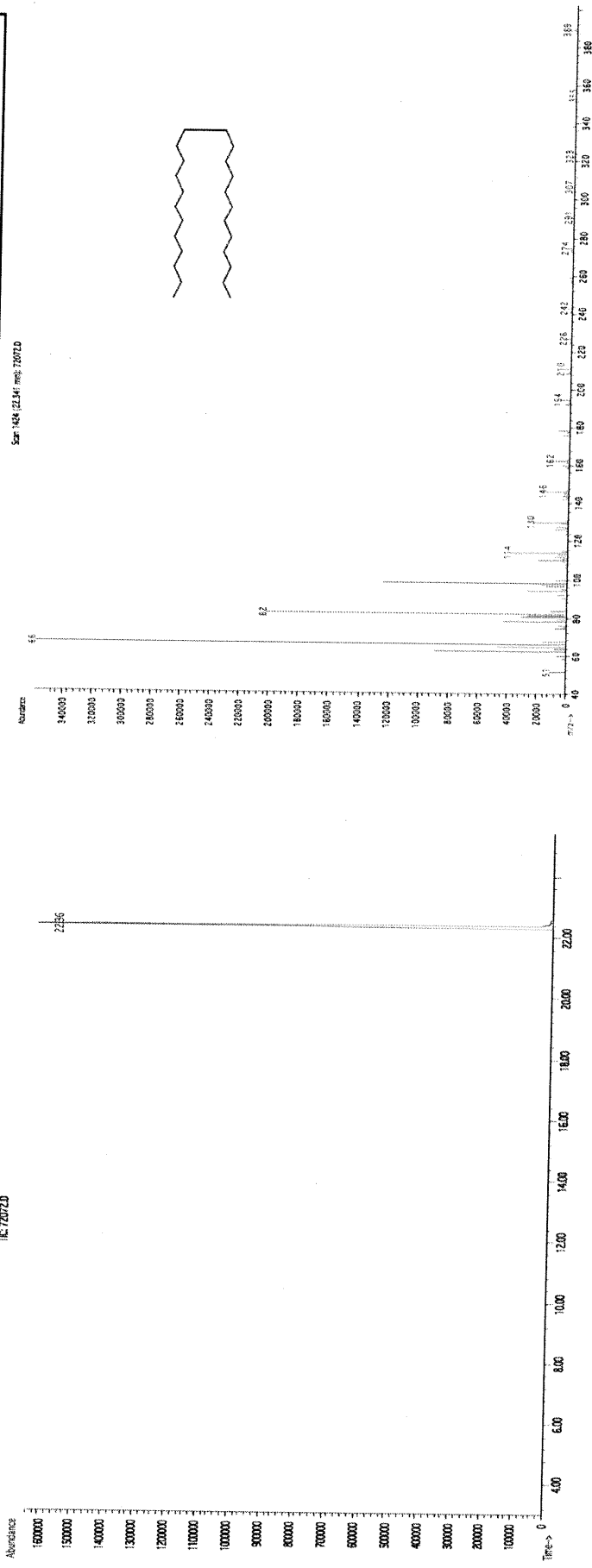
Solvent(s): **Methylene chloride**
Lot# **102669**

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

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

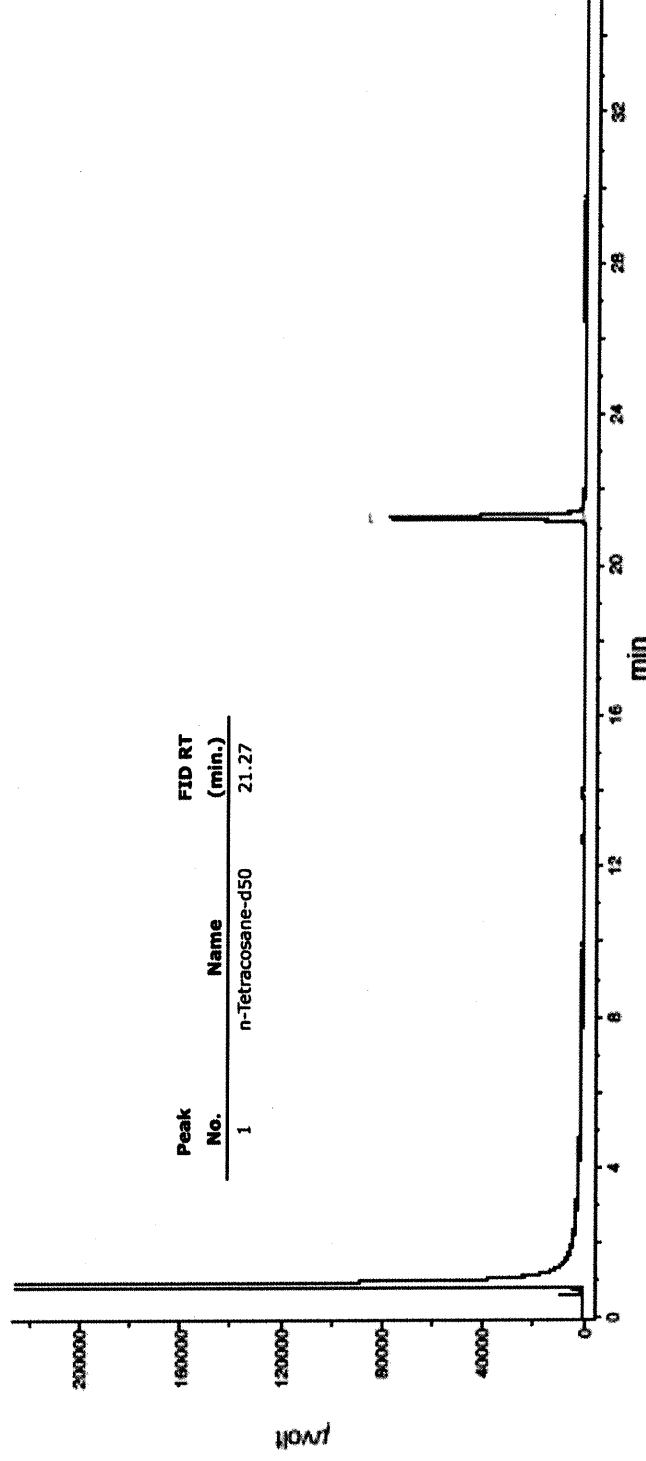
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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



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

 **avantor™**



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

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

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



Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS



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CHAIN OF CUSTODY RECORD

Alliance Project Number:

026081

COC Number:

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

COMPANY: CORE ENVIRONMENTAL CONSULTANTS

PROJECT NAME: NYPA - POUCH

BILL TO: CORE ENVIRONMENTAL CONSULTANT PO#

ADDRESS: 22-40 119TH STREET

LOCATION: 143 EDGEWATER STREET - STATEN ISLAND, NY 10305

ADDRESS: 2312 WEHRLER DR

CITY: COLLEGE POINT STATE: NY ZIP: 11356

PROJECT MANAGER: ROLAND SCARDINO

CITY: BUFFALO

STATE: NY ZIP: 14221

ATTENTION: ROLAND SCARDINO

E-MAIL: rscardino@coreenv.com

ATTENTION: JOSEPH ZAHREER

PHONE: 716-204-8054

PHONE: 609-781-8074 FAX:

PHONE: 609-781-8074

FAX:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX: DAYS* DAYS*

HARD COPY: DAYS* DAYS*

EDD DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

☐ RESEULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New Jersey REDUCED ☐ New Jersey CLP ☐ Other

PK EDD Format NISDEC

ANALYSIS								
1	2	3	4	5	6	7	8	9
Full TC	PCB	90 Solids	PH					

COMMENTS

<- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID PROJECT SAMPLE IDENTIFICATION

SAMPLE MATRIX

SAMPLE TYPE COLLECTION

of Bottles

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

Preservatives

1. NYPA - POUCH - SPENT CARBON

Solid

COMP GRAB

DATE TIME

10

X	X	X	X					
---	---	---	---	--	--	--	--	--

2. 3. 4. 5. 6. 7. 8. 9. 10.

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

RELINQUISHED BY SAMPLER

DATE/TIME

RECEIVED BY

DATE/TIME

RECEIVED BY

DATE/TIME

RECEIVED BY

RELINQUISHED BY

DATE/TIME

1. J Frishberg

7/23/25

1.

1340

Comments:

MeOH extraction requires an additional 4oz. Jar for percent solid

Compliant

Non Compliant

Cooler Temp

Ice in Cooler?

3.3°C

✓

2. 3. 4. 5. 6. 7. 8. 9. 10.

DATE/TIME

RECEIVED BY

DATE/TIME

RECEIVED BY

DATE/TIME

RECEIVED BY

RELINQUISHED BY

DATE/TIME

3. 4. 5. 6. 7. 8. 9. 10.

DATE/TIME

RECEIVED BY

DATE/TIME

RECEIVED BY

DATE/TIME

RECEIVED BY

RELINQUISHED BY

DATE/TIME

SHIPMENT COMPLETE

YES NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488