

Cover Page

Order ID : Q2001

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

Q2001-01
Q2001-02
Q2001-03
Q2001-04
Q2001-05
Q2001-06
Q2001-07
Q2001-08
Q2001-09
Q2001-10
Q2001-11
Q2001-12
Q2001-13
Q2001-14
Q2001-15
Q2001-16

Client Sample Number

WC-A4-03-G
WC-A4-03-C
WC-A4-03-C
WC-A4-03-C
WC-A1-05-G
WC-A1-05-C
WC-A1-05-C
WC-A1-05-C
WC-A1-06-G
WC-A1-06-C
WC-A1-06-C
WC-A1-06-C
WC-A1-07-G
WC-A1-07-C
WC-A1-07-C
WC-A1-07-C

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: 5/16/2025

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 #: Q2001

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: PRADIP PRAJAPATI

Date: 05/16/2025

LAB CHRONICLE

OrderID:	Q2001	OrderDate:	5/9/2025 11:54:00 AM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2001-02	WC-A4-03-C	SOIL			05/06/25			05/09/25
			PCB	8082A		05/13/25	05/13/25	
Q2001-03	WC-A4-03-C	TCLP			05/06/25			05/09/25
			TCLP Herbicide	8151A		05/13/25	05/14/25	
			TCLP Pesticide	8081B		05/13/25	05/14/25	
Q2001-06	WC-A1-05-C	SOIL			05/07/25			05/09/25
			PCB	8082A		05/13/25	05/13/25	
Q2001-07	WC-A1-05-C	TCLP			05/07/25			05/09/25
			TCLP Herbicide	8151A		05/13/25	05/14/25	
			TCLP Pesticide	8081B		05/13/25	05/14/25	
Q2001-10	WC-A1-06-C	SOIL			05/08/25			05/09/25
			PCB	8082A		05/13/25	05/13/25	
Q2001-11	WC-A1-06-C	TCLP			05/08/25			05/09/25
			TCLP Herbicide	8151A		05/13/25	05/15/25	
			TCLP Pesticide	8081B		05/13/25	05/14/25	
Q2001-14	WC-A1-07-C	SOIL			05/08/25			05/09/25
			PCB	8082A		05/13/25	05/13/25	
Q2001-15	WC-A1-07-C	TCLP			05/08/25			05/09/25
			TCLP Herbicide	8151A		05/13/25	05/15/25	
			TCLP Pesticide	8081B		05/13/25	05/14/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2001

Order ID: Q2001

Client: ENTACT

Project ID: 540 Degraw St, Brooklyn, NY - E9309

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.: Q2001

Client: ENTACT

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095630.D	PIBLK-PL095630.D	Decachlorobiphenyl	1	20	19.1	95		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	15.9	80		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.4	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	16.2	81		30 (77)	150 (126)
I.BLK-PL095654.D	PIBLK-PL095654.D	Decachlorobiphenyl	1	20	21.4	107		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.2	96		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.7	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.5	92		30 (77)	150 (126)
PB167989BL	PB167989BL	Decachlorobiphenyl	1	20	21.4	107		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.2	96		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.3	101		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (77)	150 (126)
PB167989BS	PB167989BS	Decachlorobiphenyl	1	20	21.5	107		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.6	98		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.3	102		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.9	94		30 (77)	150 (126)
PB167963TB	PB167963TB	Decachlorobiphenyl	1	20	22.0	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.1	95		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.4	102		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.2	91		30 (77)	150 (126)
Q2001-03	WC-A4-03-C	Decachlorobiphenyl	1	20	22.2	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.5	88		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.1	86		30 (77)	150 (126)
Q2001-03MS	WC-A4-03-CMS	Decachlorobiphenyl	1	20	22.1	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.4	92		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.4	102		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.3	86		30 (77)	150 (126)
Q2001-03MSD	WC-A4-03-CMSD	Decachlorobiphenyl	1	20	21.8	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.8	89		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.4	102		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	16.9	85		30 (77)	150 (126)
Q2001-07	WC-A1-05-C	Decachlorobiphenyl	1	20	26.1	131		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	25.1	126		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (77)	150 (126)
Q2001-11	WC-A1-06-C	Decachlorobiphenyl	1	20	24.8	124		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.8	99		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.8	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.2	91		30 (77)	150 (126)
Q2001-15	WC-A1-07-C	Decachlorobiphenyl	1	20	24.0	120		30 (43)	150 (140)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q2001

Client: ENTACT

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2001-15	WC-A1-07-C	Tetrachloro-m-xylene	1	20	18.5	93		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.7	103		30 (43)	150 (140)
I.BLK-PL095666.D	PIBLK-PL095666.D	Tetrachloro-m-xylene	2	20	17.0	85		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	20.4	102		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.4	92		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	17.6	88		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	16.3	81		30 (77)	150 (126)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2001</u>	Analytical Method:	<u>8081B</u>
Client:	<u>ENTACT</u>	DataFile :	<u>PL095661.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2001-03MS	gamma-BHC (Lindane)	5	0	5.40	ug/L	108					30 (60)	150 (152)
	Heptachlor	5	0	5.20	ug/L	104					30 (56)	150 (147)
	Heptachlor epoxide	5	0	5.40	ug/L	108					30 (77)	150 (143)
	Endrin	5	0	5.60	ug/L	112					30 (76)	150 (144)
	Methoxychlor	5	0	5.50	ug/L	110					30 (70)	150 (142)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2001</u>	Analytical Method:	<u>8081B</u>
Client:	<u>ENTACT</u>	DataFile :	<u>PL095662.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits		
			Qual	RPD			Qual	Low	High	RPD		
Q2001-03MSD	gamma-BHC (Lindane)	5	0	5.20	ug/L	104		4		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.00	ug/L	100		4		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.20	ug/L	104		4		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.50	ug/L	110		2		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.40	ug/L	108		2		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2001

Client: ENTACT

Analytical Method: **8081B** **Datafile :** PL095658.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167989BS	gamma-BHC (Lindane)	0.5	0.51	ug/L	102				40 (82)	140 (129)	
	Heptachlor	0.5	0.51	ug/L	102				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.51	ug/L	102				40 (81)	140 (124)	
	Endrin	0.5	0.51	ug/L	101				40 (81)	140 (128)	
	Methoxychlor	0.5	0.50	ug/L	100				40 (78)	140 (108)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167989BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001

SAS No.: Q2001 SDG NO.: Q2001

Lab Sample ID: PB167989BL

Lab File ID: PL095657.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/13/2025

Date Analyzed (1): 05/14/2025

Date Analyzed (2): 05/14/2025

Time Analyzed (1): 13:36

Time Analyzed (2): 13:36

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
PB167989BS	PB167989BS	PL095658.D	05/14/2025	05/14/2025
PB167963TB	PB167963TB	PL095659.D	05/14/2025	05/14/2025
WC-A4-03-C	Q2001-03	PL095660.D	05/14/2025	05/14/2025
WC-A4-03-CMS	Q2001-03MS	PL095661.D	05/14/2025	05/14/2025
WC-A4-03-CMSD	Q2001-03MSD	PL095662.D	05/14/2025	05/14/2025
WC-A1-05-C	Q2001-07	PL095663.D	05/14/2025	05/14/2025
WC-A1-06-C	Q2001-11	PL095664.D	05/14/2025	05/14/2025
WC-A1-07-C	Q2001-15	PL095665.D	05/14/2025	05/14/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/13/25
Client Sample ID:	PB167963TB	SDG No.:	Q2001
Lab Sample ID:	PB167963TB	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
PL095659.D	1	05/13/25 11:40	05/14/25 14:35	PB167989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		30 (43) - 150 (140)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		30 (77) - 150 (126)	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of 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\PL051425\
 Data File : PL095659.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 14:35
 Operator : AR\AJ
 Sample : PB167963TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167963TB

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:08:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.597	2.905	77923601	85406240	19.071	18.233
28) SA Decachlor...	9.124	8.086	74590854	84293259	21.987	20.436

Target Compounds

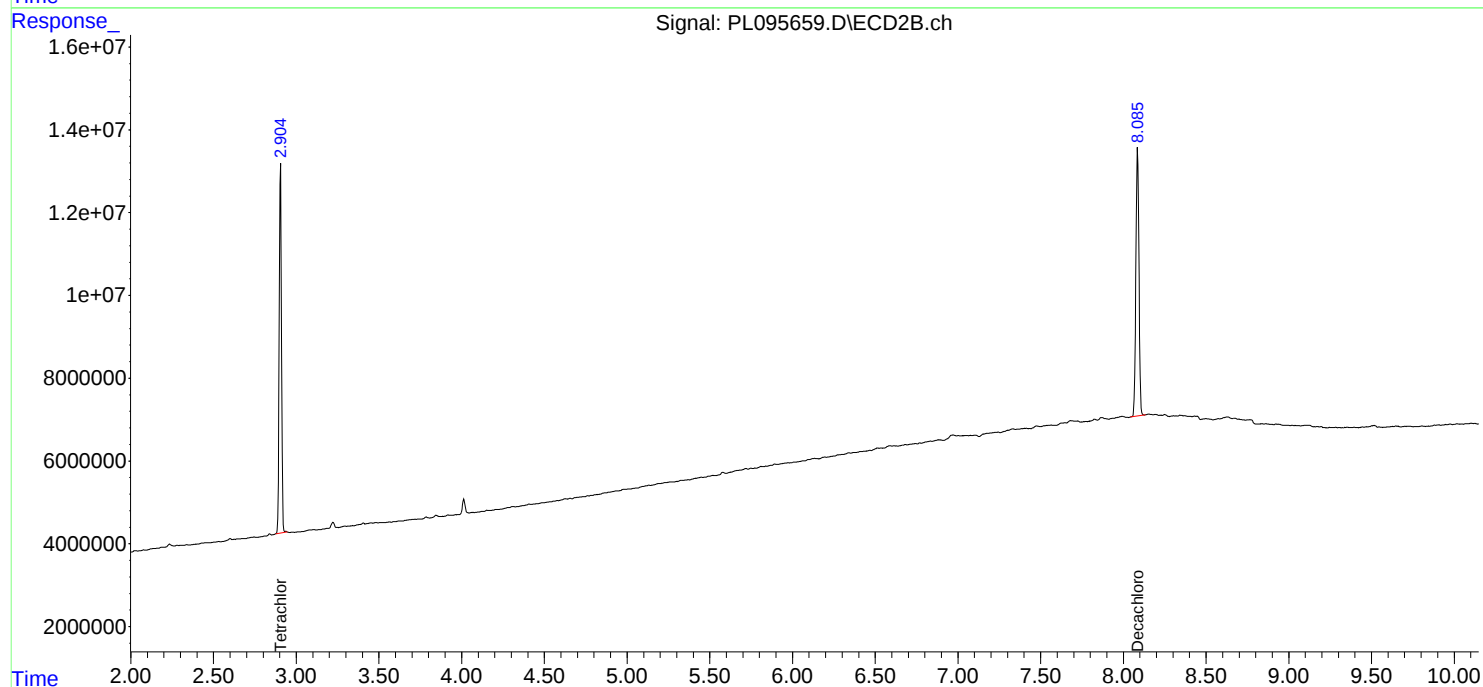
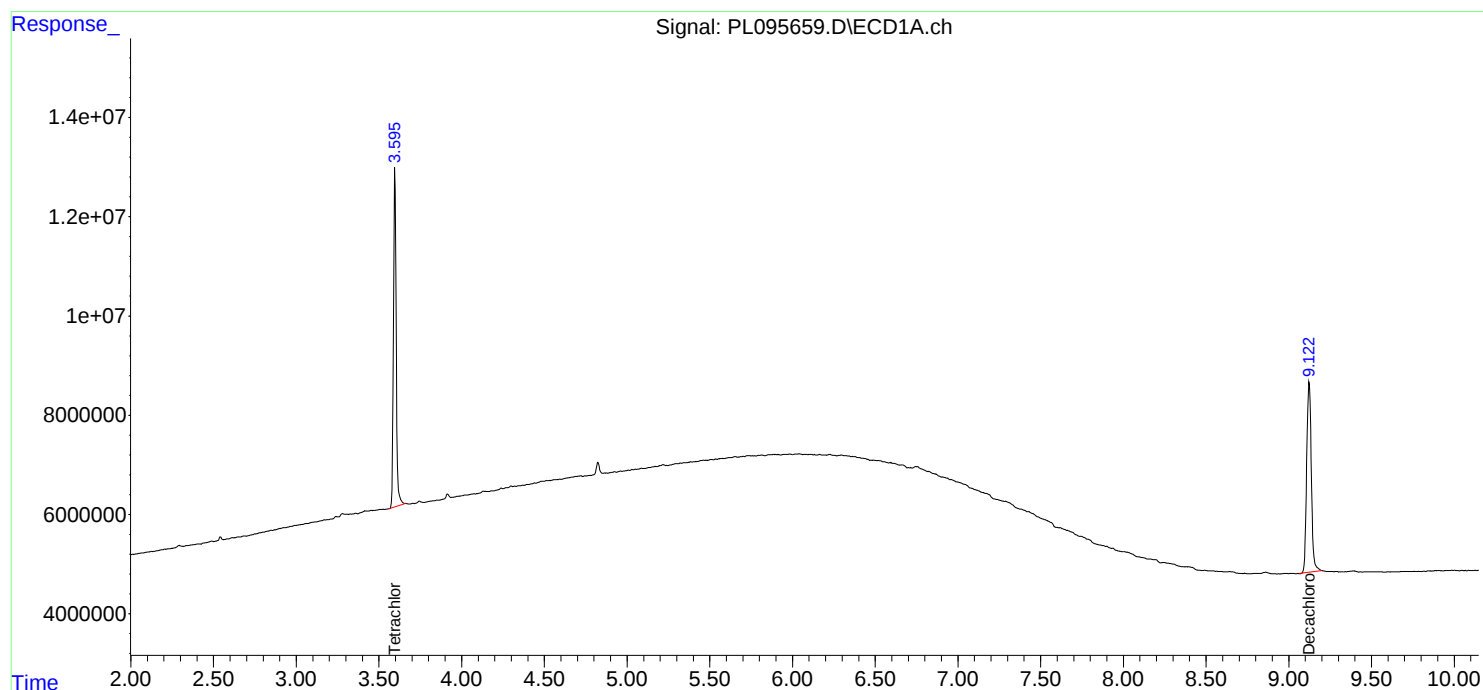
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

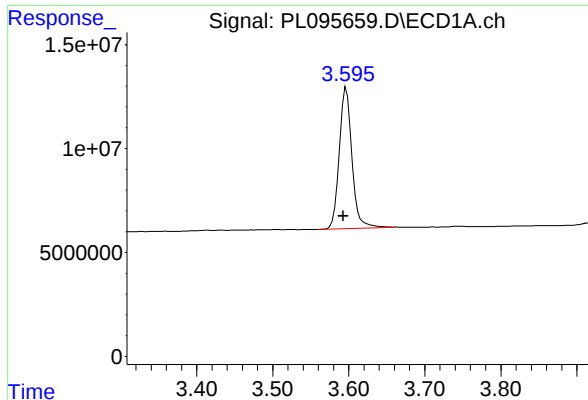
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:35
Operator : AR\AJ
Sample : PB167963TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167963TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:08:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

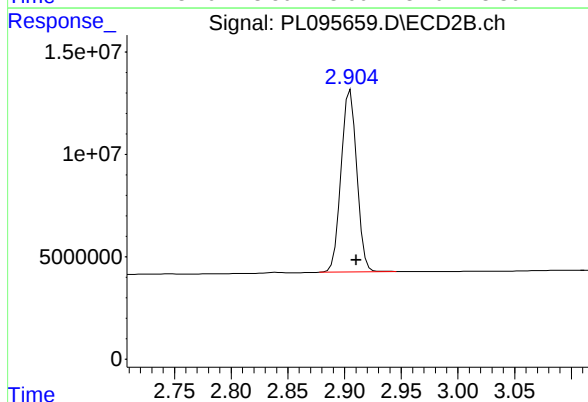




#1 Tetrachloro-m-xylene

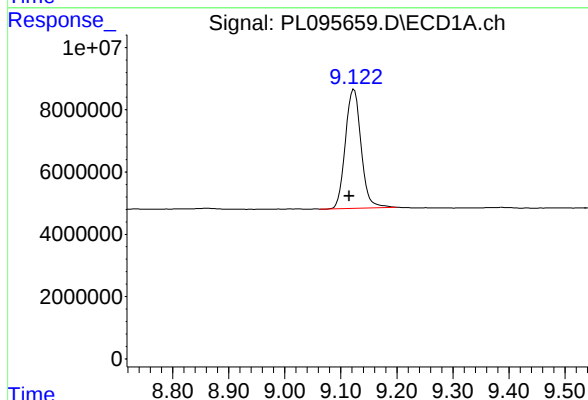
R.T.: 3.597 min
Delta R.T.: 0.004 min
Response: 77923601
Conc: 19.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167963TB



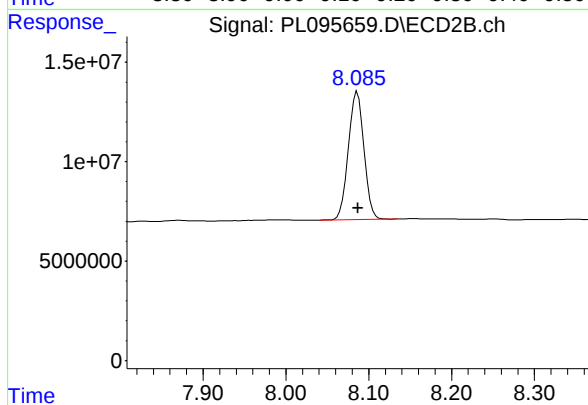
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: -0.005 min
Response: 85406240
Conc: 18.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.124 min
Delta R.T.: 0.008 min
Response: 74590854
Conc: 21.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.001 min
Response: 84293259
Conc: 20.44 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/06/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A4-03-C	SDG No.:	Q2001
Lab Sample ID:	Q2001-03	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
PL095660.D	1	05/13/25 11:40	05/14/25 14:49	PB167989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		30 (43) - 150 (140)	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		30 (77) - 150 (126)	88%	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\PL051425\
Data File : PL095660.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:49
Operator : AR\AJ
Sample : Q2001-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:08:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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...	3.593	2.909	71503385	80154115	17.500	17.112
28) SA Decachlor...	9.115	8.085	75341020	86563511	22.209	20.986

Target Compounds

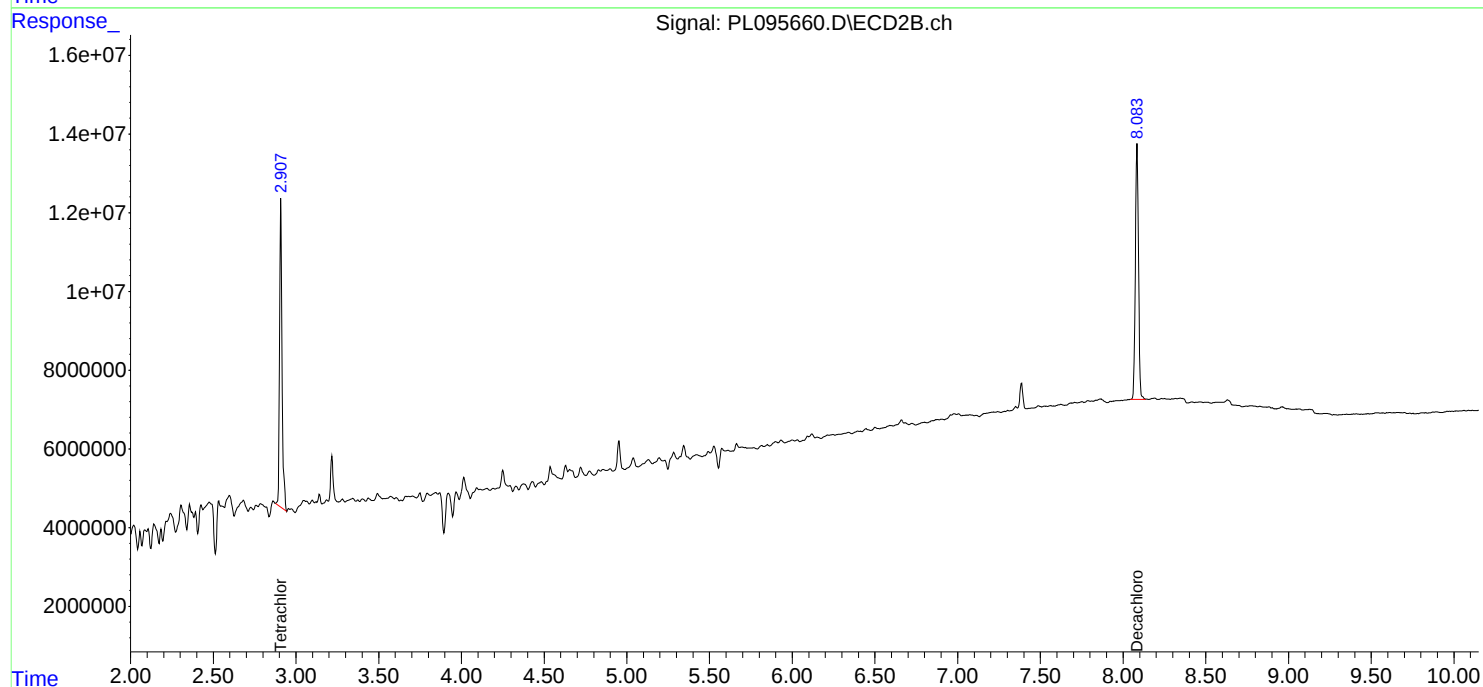
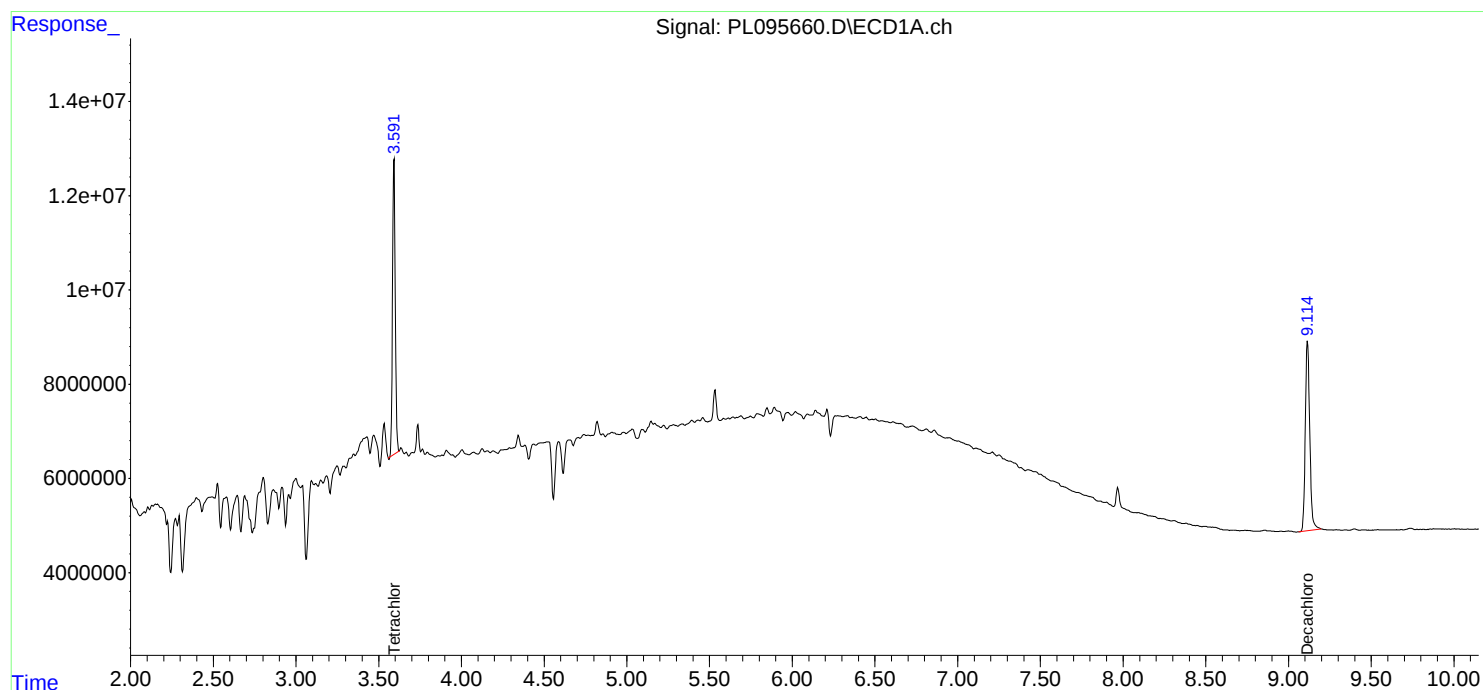
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

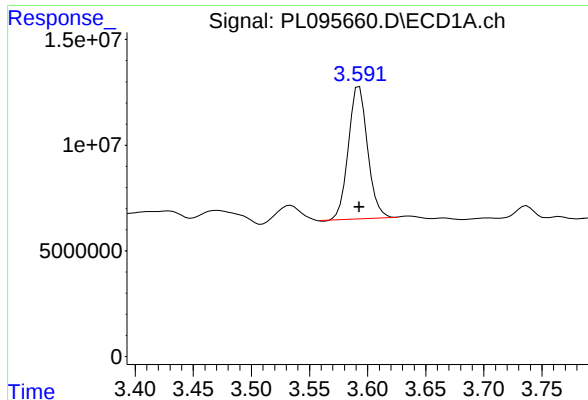
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095660.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:49
Operator : AR\AJ
Sample : Q2001-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:08:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

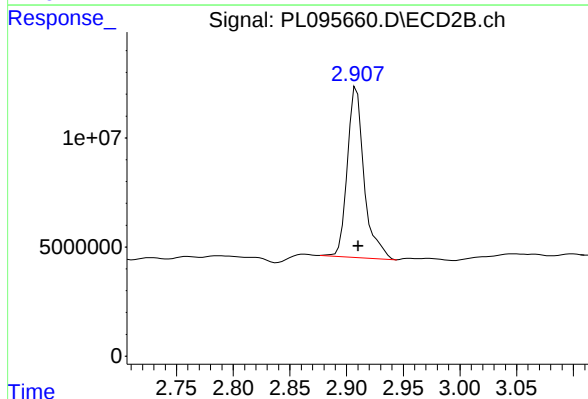




#1 Tetrachloro-m-xylene

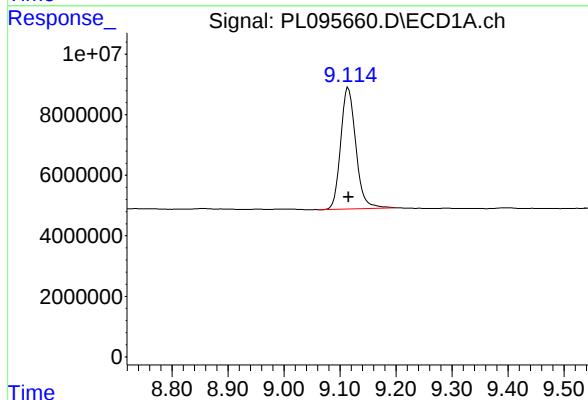
R.T.: 3.593 min
Delta R.T.: 0.000 min
Response: 71503385
Conc: 17.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A4-03-C



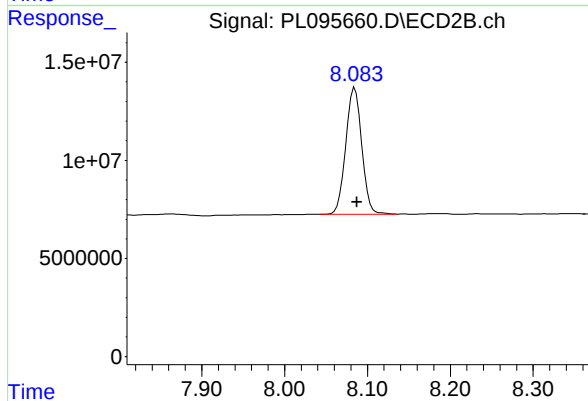
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: -0.002 min
Response: 80154115
Conc: 17.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: 0.000 min
Response: 75341020
Conc: 22.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.002 min
Response: 86563511
Conc: 20.99 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/07/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A1-05-C	SDG No.:	Q2001
Lab Sample ID:	Q2001-07	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
PL095663.D	1	05/13/25 11:40	05/14/25 15:30	PB167989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.1		30 (43) - 150 (140)	131%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	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\PL051425\
Data File : PL095663.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:30
Operator : AR\AJ
Sample : Q2001-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-A1-05-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:09:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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...	3.592	2.907	88254577	93470507	21.599	19.955
28) SA Decachlor...	9.113	8.081	88571930	103.7E6	26.109	25.137

Target Compounds

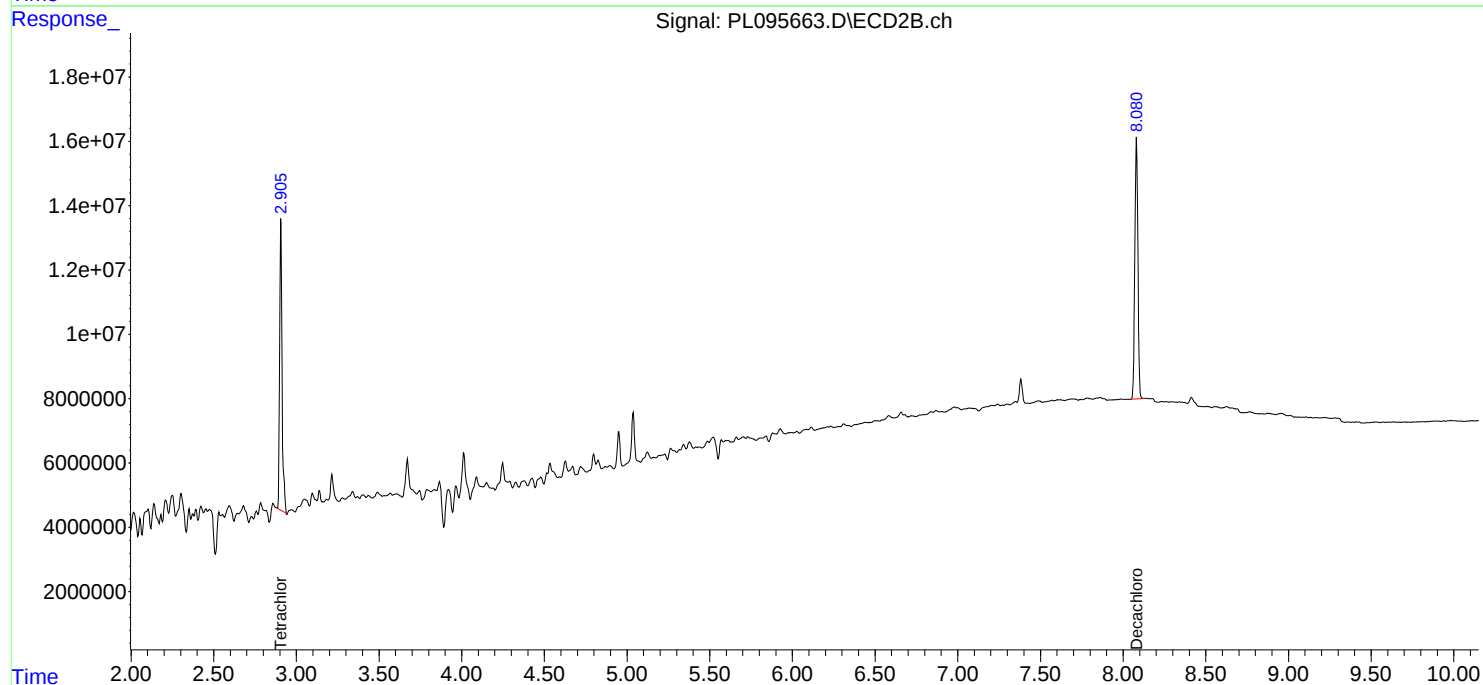
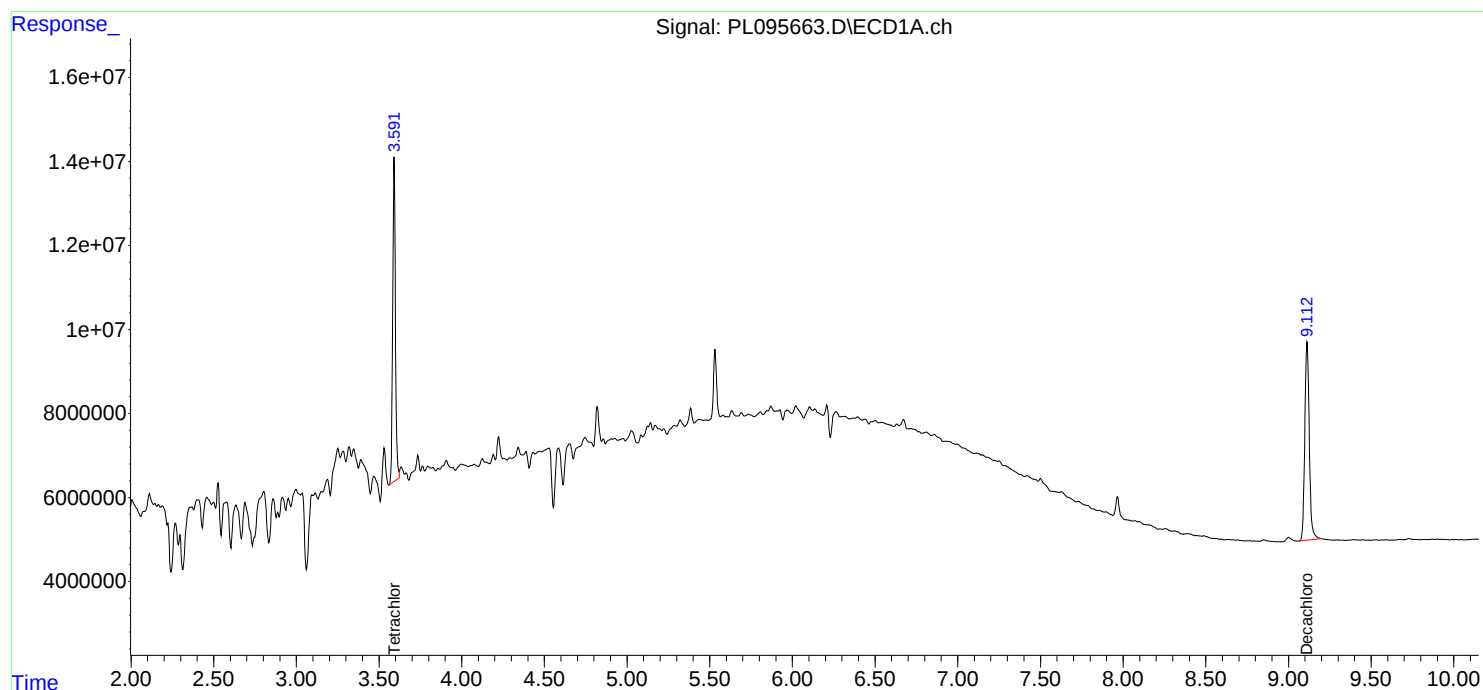
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

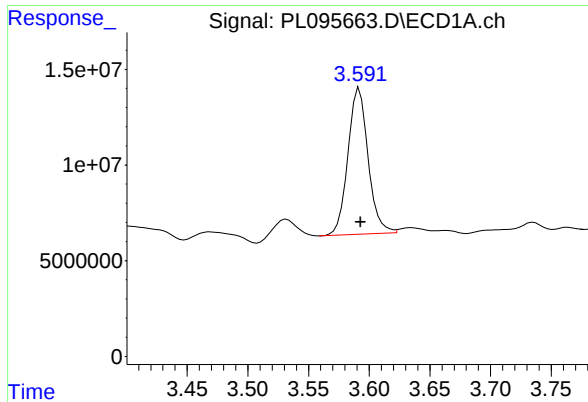
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095663.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:30
Operator : AR\AJ
Sample : Q2001-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-A1-05-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:09:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

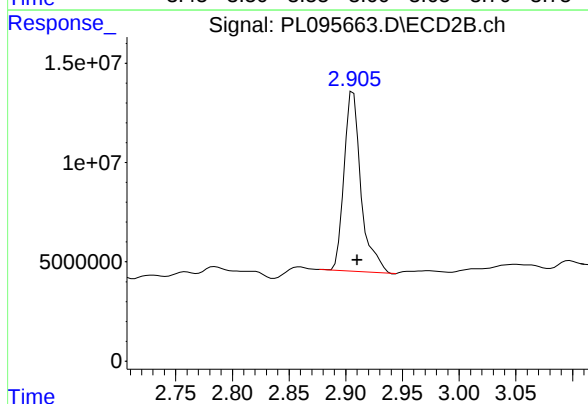




#1 Tetrachloro-m-xylene

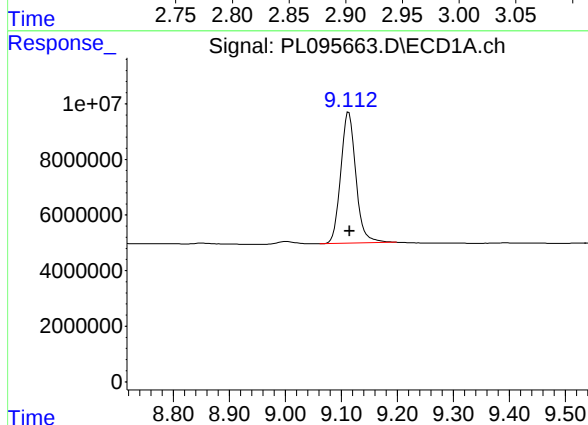
R.T.: 3.592 min
Delta R.T.: -0.001 min
Response: 88254577
Conc: 21.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A1-05-C



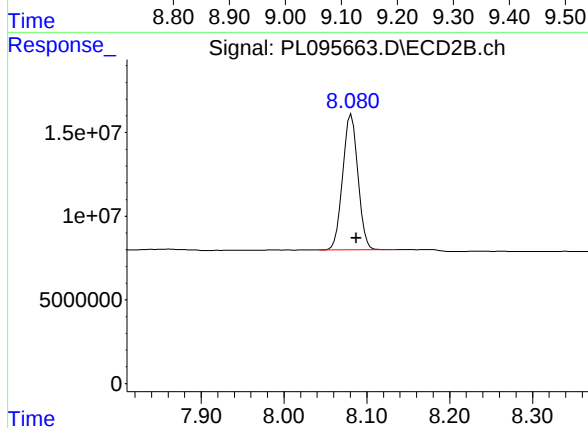
#1 Tetrachloro-m-xylene

R.T.: 2.907 min
Delta R.T.: -0.004 min
Response: 93470507
Conc: 19.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.113 min
Delta R.T.: -0.002 min
Response: 88571930
Conc: 26.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: -0.006 min
Response: 103681988
Conc: 25.14 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/08/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A1-06-C	SDG No.:	Q2001
Lab Sample ID:	Q2001-11	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
PL095664.D	1	05/13/25 11:40	05/14/25 15:44	PB167989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.8		30 (43) - 150 (140)	124%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		30 (77) - 150 (126)	99%	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\PL051425\
 Data File : PL095664.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 15:44
 Operator : AR\AJ
 Sample : Q2001-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-A1-06-C

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/15/2025
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:09:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.592	2.905	81077099	85271504	19.843	18.205
28) SA Decachlor...	9.112	8.078	83952057	85734458	24.747	20.785

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095664.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:44
Operator : AR\AJ
Sample : Q2001-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

WC-A1-06-C

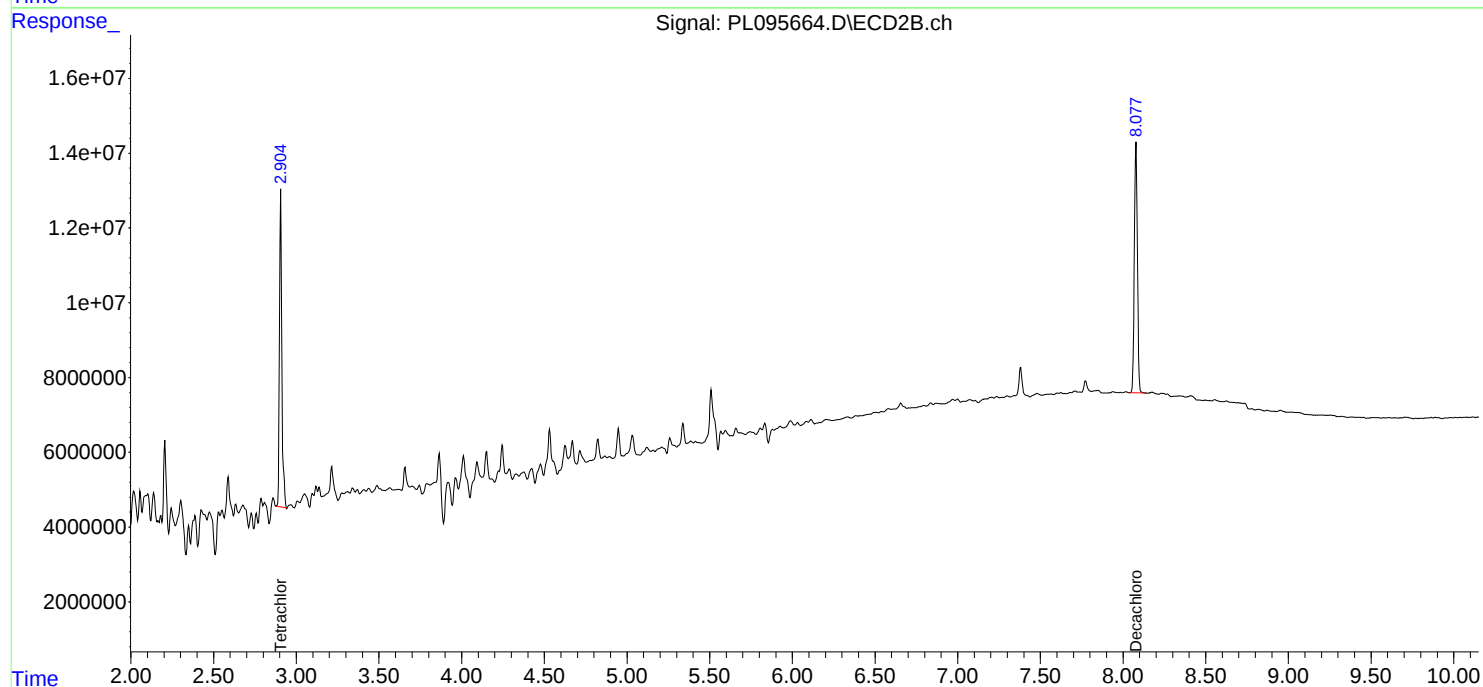
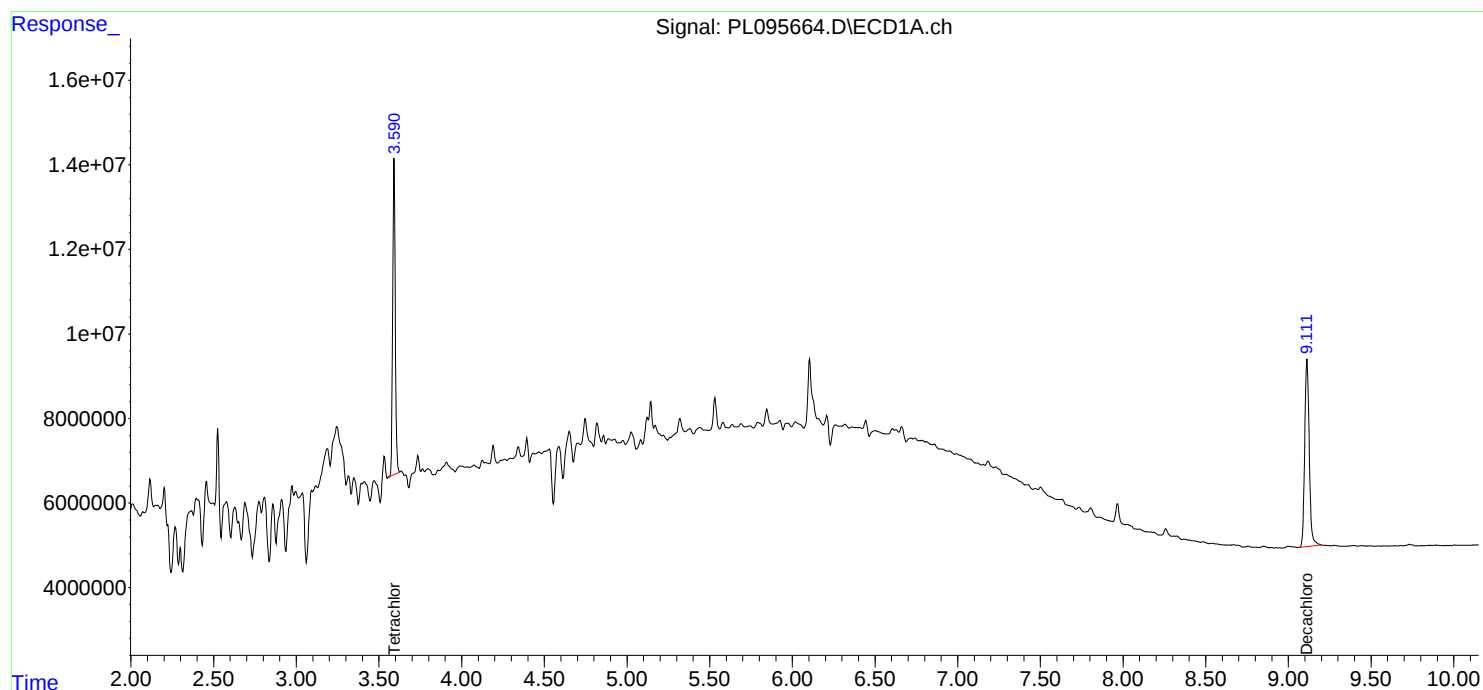
Manual Integrations**APPROVED**

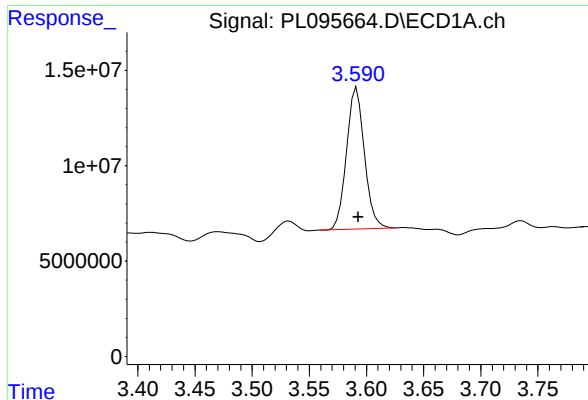
Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:09:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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





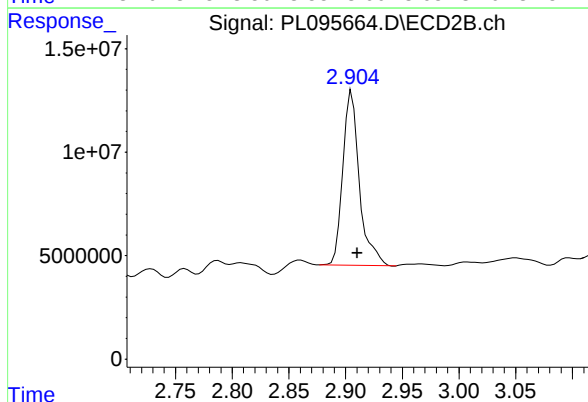
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.001 min
Response: 81077099
Conc: 19.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A1-06-C

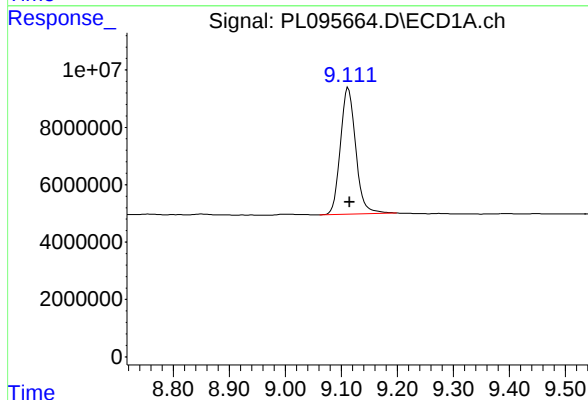
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/15/2025
Supervised By :mohammad ahmed 05/16/2025



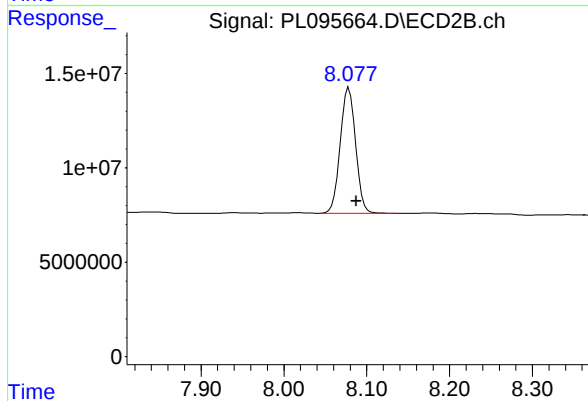
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: -0.005 min
Response: 85271504
Conc: 18.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.112 min
Delta R.T.: -0.003 min
Response: 83952057
Conc: 24.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.078 min
Delta R.T.: -0.009 min
Response: 85734458
Conc: 20.79 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/08/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A1-07-C	SDG No.:	Q2001
Lab Sample ID:	Q2001-15	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
PL095665.D	1	05/13/25 11:40	05/14/25 15:58	PB167989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.0		30 (43) - 150 (140)	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		30 (77) - 150 (126)	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\PL051425\
 Data File : PL095665.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 15:58
 Operator : AR\AJ
 Sample : Q2001-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-A1-07-C

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:09:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.592	2.905	75708645	79798894	18.529	17.036
28) SA Decachlor...	9.113	8.079	81347891	85208752	23.979	20.658

Target Compounds

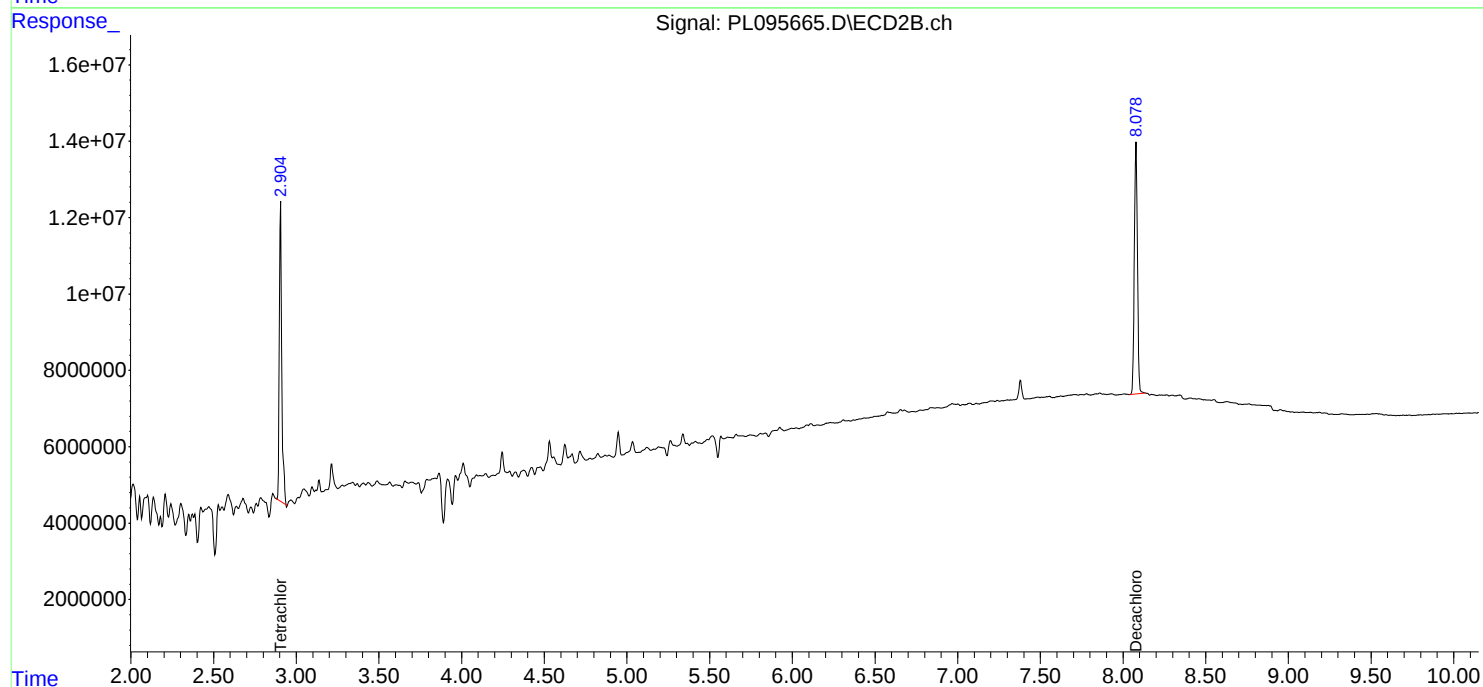
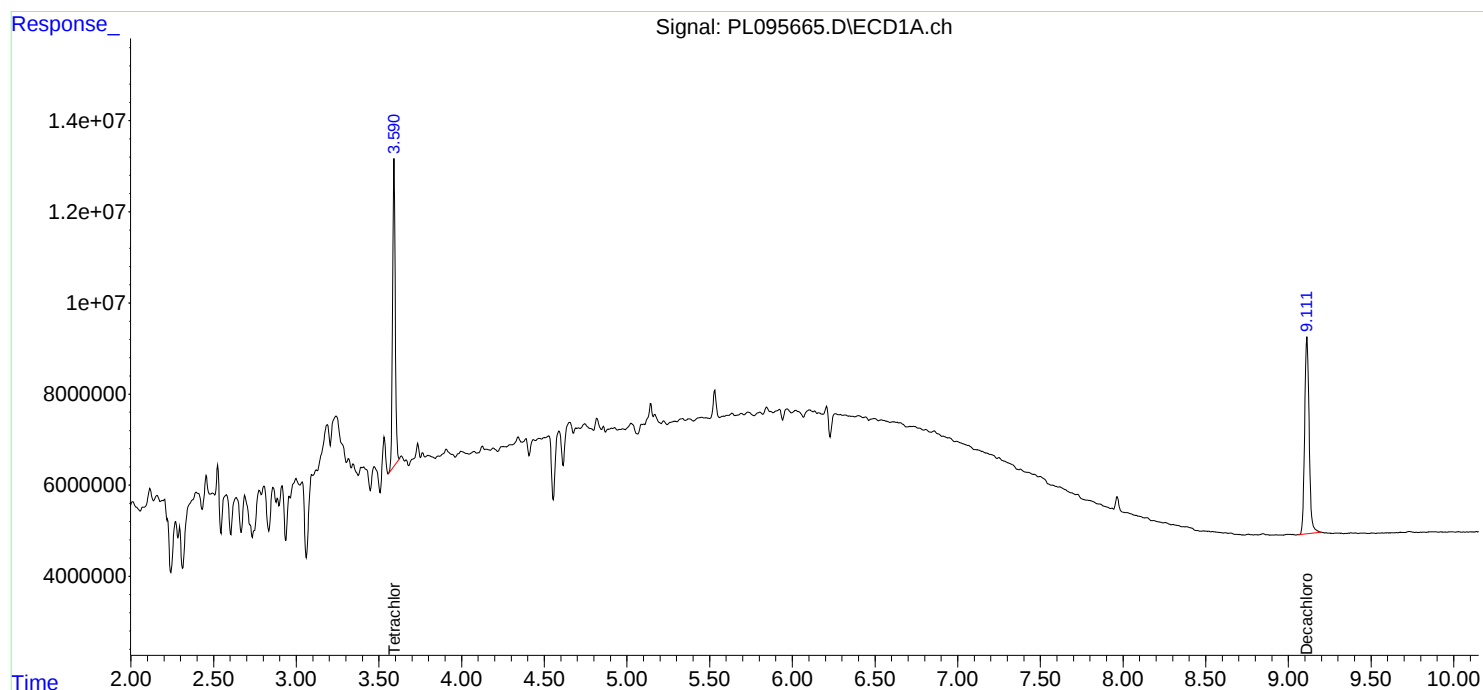
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

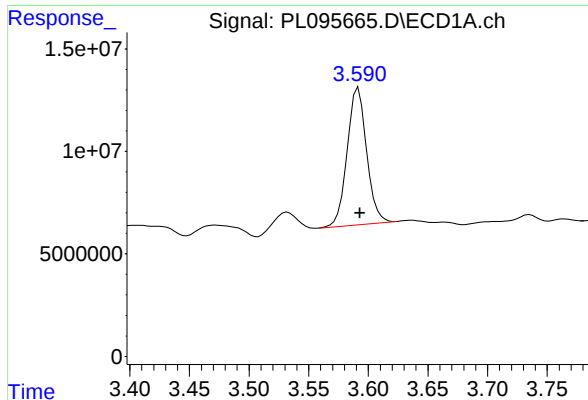
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095665.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:58
Operator : AR\AJ
Sample : Q2001-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-A1-07-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:09:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

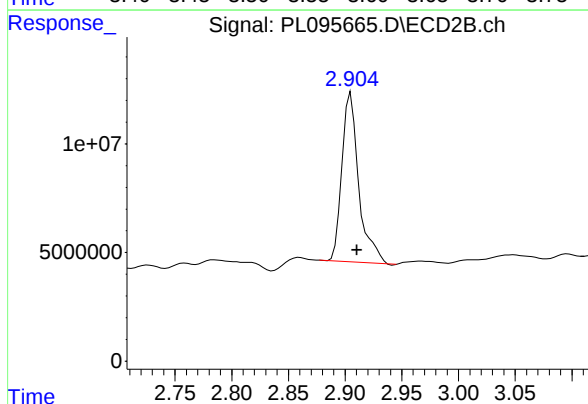




#1 Tetrachloro-m-xylene

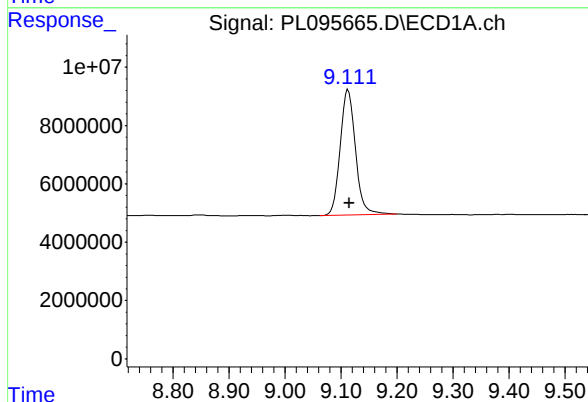
R.T.: 3.592 min
Delta R.T.: -0.001 min
Response: 75708645
Conc: 18.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A1-07-C



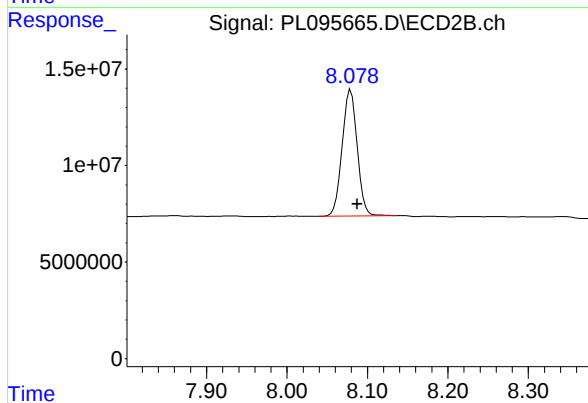
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: -0.005 min
Response: 79798894
Conc: 17.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.113 min
Delta R.T.: -0.003 min
Response: 81347891
Conc: 23.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.079 min
Delta R.T.: -0.008 min
Response: 85208752
Conc: 20.66 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

Instrument ID: ECD_L

Calibration Date(s): 05/13/2025 05/13/2025

Calibration Times: 12:24 13:18

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

LAB FILE ID:		CF 100 =	<u>PL095633.D</u>	CF 075 =	<u>PL095634.D</u>		
CF 050 =		<u>PL095635.D</u>	CF 025 =	<u>PL095636.D</u>	CF 005 =	<u>PL095637.D</u>	
COMPOUND		CF 100	CF 075	CF 050	CF 025	CF 005	% RSD
Decachlorobiphenyl		3263100000	3164230000	3439620000	3398370000	3696830000	6
Endrin		3792380000	3634820000	3919500000	3690050000	4116120000	5
gamma-BHC (Lindane)		5512790000	5311740000	5711440000	5395610000	5898760000	4
Heptachlor		5306840000	5122860000	5549490000	5305820000	5944320000	6
Heptachlor epoxide		4810960000	4767000000	5056910000	4962340000	6312460000	12
Methoxychlor		1693500000	1596670000	1725250000	1635470000	1779310000	4
Tetrachloro-m-xylene		3874020000	3805730000	4141150000	4025270000	4583870000	8
Chlordane-1	(1)	263758000	223144000	221946000	219742000	234758000	8
Chlordane-2	(2)	274411000	264053000	241787000	338737000	260245000	13
Chlordane-3	(3)	1098130000	919233000	928195000	920352000	976979000	8
Chlordane-4	(4)	1304660000	1097040000	1114980000	1121100000	1166080000	7
Chlordane-5	(5)	208595000	178037000	182317000	180692000	198490000	7
Decachlorobiphenyl		333185000	302211000	315043000	324986000	364038000	7
Tetrachloro-m-xylene		440880000	374351000	373001000	371569000	404431000	8



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

Instrument ID: ECD_L

Calibration Date(s): 05/13/2025 05/13/2025

Calibration Times: 12:24 13:18

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

LAB FILE ID:		CF 100 =	<u>PL095633.D</u>	CF 075 =	<u>PL095634.D</u>			
CF 050 =		<u>PL095635.D</u>	CF 025 =	<u>PL095636.D</u>	CF 005 =	<u>PL095637.D</u>		
COMPOUND		CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl		3838730000	3743820000	4090550000	4160220000	4790320000	4124730000	10
Endrin		4974420000	4892430000	5310370000	5281210000	6179910000	5327670000	10
gamma-BHC (Lindane)		6348730000	6261060000	6803400000	6748260000	7601600000	6752610000	8
Heptachlor		5991450000	5920390000	6520000000	6520200000	7665110000	6523430000	11
Heptachlor epoxide		5269490000	5234320000	5741580000	5826880000	6824740000	5779400000	11
Methoxychlor		2549470000	2493040000	2684780000	2711850000	3089990000	2705830000	9
Tetrachloro-m-xylene		4257870000	4245440000	4674780000	4699500000	5542730000	4684060000	11
Chlordane-1	(1)	255044000	220347000	224960000	233201000	269769000	240664000	9
Chlordane-2	(2)	268460000	234178000	244067000	271384000	312580000	266134000	11
Chlordane-3	(3)	803858000	708046000	712303000	813924000	831695000	773965000	8
Chlordane-4	(4)	674082000	599830000	598389000	633362000	731050000	647343000	9
Chlordane-5	(5)	301995000	259560000	270374000	277243000	326962000	287227000	9
Decachlorobiphenyl		401599000	365757000	388315000	412891000	489399000	411592000	11
Tetrachloro-m-xylene		629800000	543963000	545208000	548541000	625323000	578567000	8



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

Instrument ID: ECD_L Date(s) Analyzed: 05/13/2025 05/13/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.76	4.66	4.86	221946000
		2	5.29	5.19	5.39	241787000
		3	5.99	5.89	6.09	928195000
		4	6.08	5.98	6.18	1114980000
		5	6.92	6.82	7.02	182317000
Toxaphene	500	1	5.89	5.79	5.99	19457800
		2	6.28	6.18	6.38	44722300
		3	7.10	7.00	7.20	132062000
		4	7.19	7.09	7.29	92581300
		5	7.97	7.87	8.07	61074500



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

Instrument ID: ECD_L Date(s) Analyzed: 05/13/2025 05/13/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.93	3.83	4.03	224960000
		2	4.51	4.41	4.61	244067000
		3	5.15	5.05	5.25	712303000
		4	5.21	5.11	5.31	598389000
		5	6.11	6.01	6.21	270374000
Toxaphene	500	1	5.17	5.07	5.27	41802700
		2	5.85	5.75	5.95	40240100
		3	6.13	6.03	6.23	44424800
		4	6.77	6.67	6.87	129582000
		5	7.21	7.11	7.31	95479000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
 Data File : PL095633.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 12:24
 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: May 13 13:47:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 13:44:26 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...	3.594	2.912	387.4E6	425.8E6	96.667	95.333
28)	SA Decachlor...	9.117	8.088	326.3E6	383.9E6	97.366	96.824
Target Compounds							
2)	A alpha-BHC	4.044	3.421	588.0E6	672.5E6	98.504	96.200
3)	MA gamma-BHC...	4.375	3.755	551.3E6	634.9E6	98.230	96.543
4)	MA Heptachlor	4.973	4.108	530.7E6	599.1E6	97.765	95.775
5)	MB Aldrin	5.315	4.393	565.7E6	587.7E6	98.257	95.904
6)	B beta-BHC	4.561	4.048	231.7E6	271.3E6	96.742	95.772
7)	B delta-BHC	4.809	4.284	537.0E6	643.8E6	98.546	96.878
8)	B Heptachlo...	5.735	4.895	481.1E6	526.9E6	97.508	95.713
9)	A Endosulfan I	6.119	5.268	476.9E6	503.7E6	97.930	96.980
10)	B gamma-Chl...	5.990	5.148	521.3E6	552.8E6	98.409	97.275
11)	B alpha-Chl...	6.071	5.213	511.5E6	539.0E6	98.219	96.911
12)	B 4,4'-DDE	6.239	5.398	511.5E6	554.1E6	98.471	97.424
13)	MA Dieldrin	6.392	5.534	484.8E6	568.5E6	98.598	96.412
14)	MA Endrin	6.619	5.808	379.2E6	497.4E6	98.352	96.734
15)	B Endosulfa...	6.831	6.099	399.8E6	496.1E6	97.690	96.347
16)	A 4,4'-DDD	6.748	5.951	372.4E6	478.8E6	98.397	96.842
17)	MA 4,4'-DDT	7.064	6.204	373.1E6	492.4E6	99.912	98.672
18)	B Endrin al...	6.959	6.277	289.2E6	361.6E6	98.248	98.122
19)	B Endosulfa...	7.194	6.500	354.7E6	449.1E6	97.938	95.857
20)	A Methoxychlor	7.535	6.774	169.4E6	254.9E6	99.071	97.415
21)	B Endrin ke...	7.675	7.006	368.6E6	547.2E6	98.276	96.836
22)	Mirex	8.156	7.201	285.2E6	392.1E6	96.576	95.765

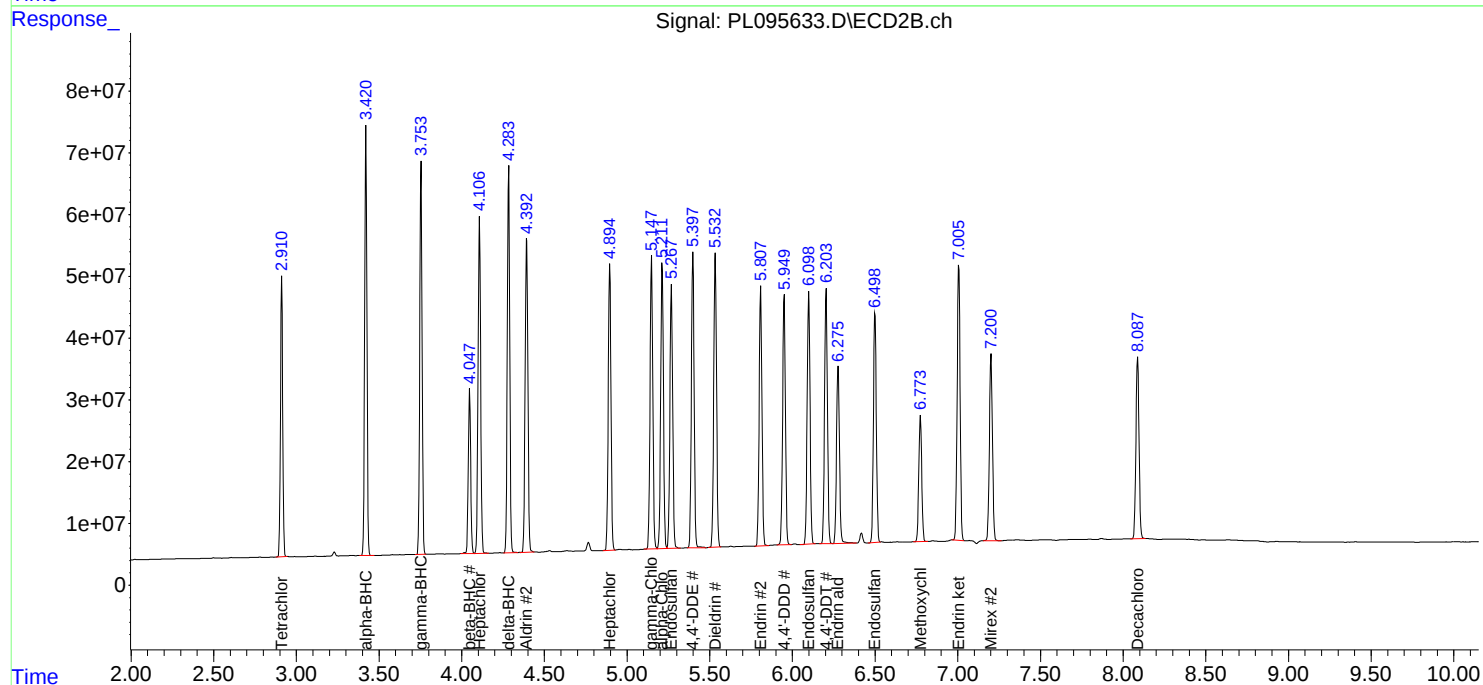
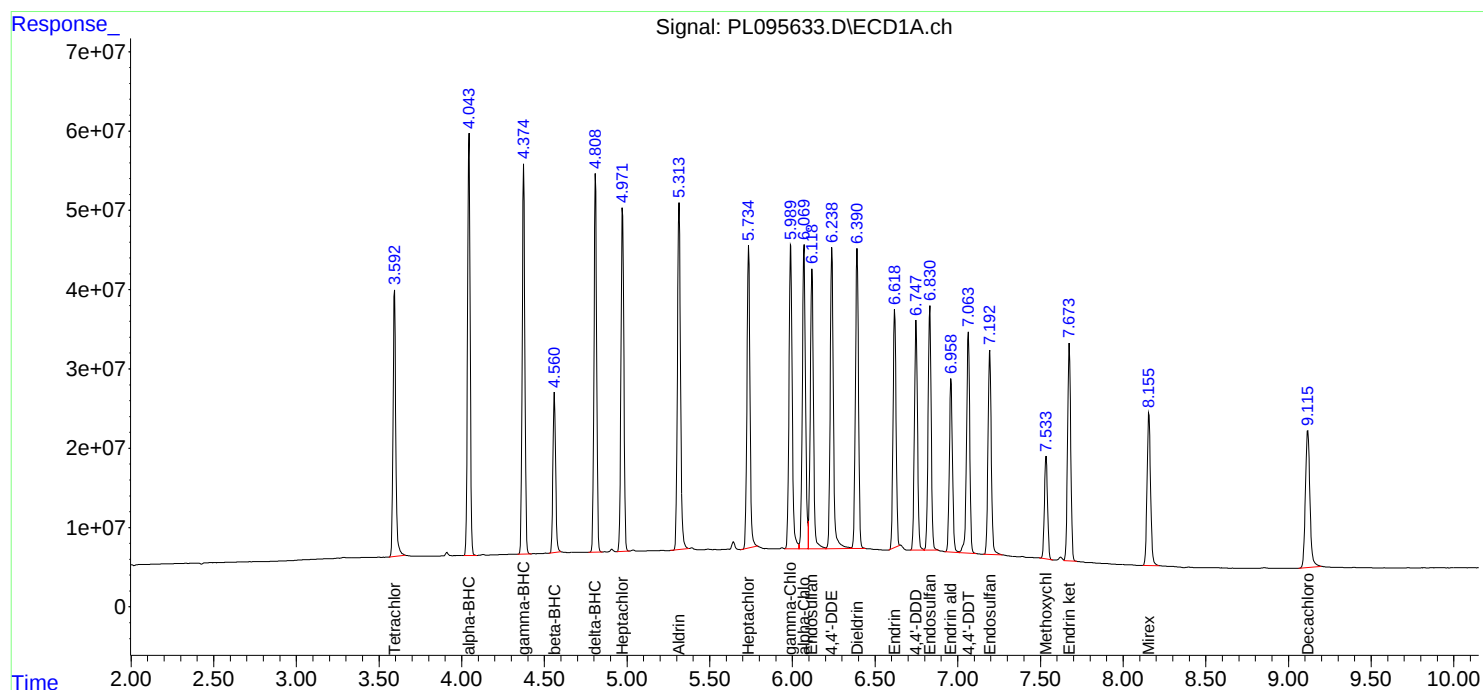
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095633.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 12:24
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: May 13 13:47:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 13:44:26 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\PL051325\
 Data File : PL095634.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 12:38
 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: May 13 13:49:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 13:44:26 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...	3.594	2.911	285.4E6	318.4E6	72.439	72.486
28)	SA Decachlor...	9.116	8.087	237.3E6	280.8E6	72.155	72.162
Target Compounds							
2)	A alpha-BHC	4.045	3.421	420.8E6	500.0E6	71.928	72.650
3)	MA gamma-BHC...	4.375	3.754	398.4E6	469.6E6	72.275	72.566
4)	MA Heptachlor	4.973	4.107	384.2E6	444.0E6	72.134	72.271
5)	MB Aldrin	5.315	4.392	410.7E6	434.8E6	72.513	72.255
6)	B beta-BHC	4.561	4.048	170.6E6	202.7E6	72.462	72.662
7)	B delta-BHC	4.809	4.284	389.4E6	474.9E6	72.610	72.602
8)	B Heptachlo...	5.735	4.895	357.5E6	392.6E6	73.289	72.496
9)	A Endosulfan I	6.118	5.268	363.3E6	344.6E6	74.725	69.005
10)	B gamma-Chl...	5.990	5.147	394.3E6	408.5E6	74.622	72.899
11)	B alpha-Chl...	6.071	5.212	379.0E6	396.9E6	73.506	72.531
12)	B 4,4'-DDE	6.239	5.397	379.2E6	431.8E6	73.660	75.607
13)	MA Dieldrin	6.391	5.533	352.4E6	430.5E6	72.748	73.667
14)	MA Endrin	6.618	5.808	272.6E6	366.9E6	72.077	72.530
15)	B Endosulfa...	6.831	6.098	290.2E6	371.2E6	72.221	73.033
16)	A 4,4'-DDD	6.749	5.950	271.2E6	356.9E6	72.728	73.106
17)	MA 4,4'-DDT	7.063	6.204	262.4E6	355.7E6	71.768	72.478
18)	B Endrin al...	6.960	6.276	209.8E6	268.3E6	72.482	73.525
19)	B Endosulfa...	7.193	6.499	258.1E6	334.1E6	72.473	72.509
20)	A Methoxychlor	7.535	6.773	119.8E6	187.0E6	71.629	72.591
21)	B Endrin ke...	7.675	7.005	265.5E6	400.9E6	72.134	72.243
22)	Mirex	8.156	7.201	209.5E6	288.8E6	72.239	71.974

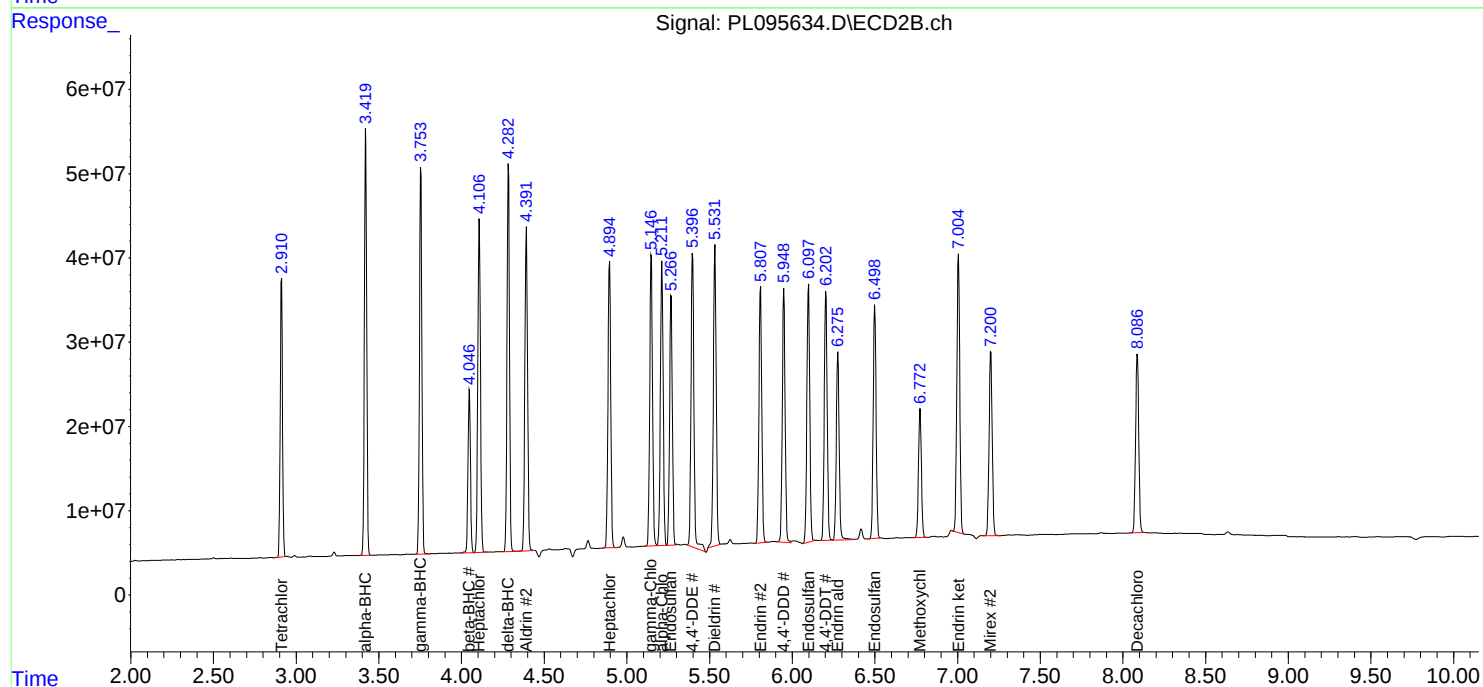
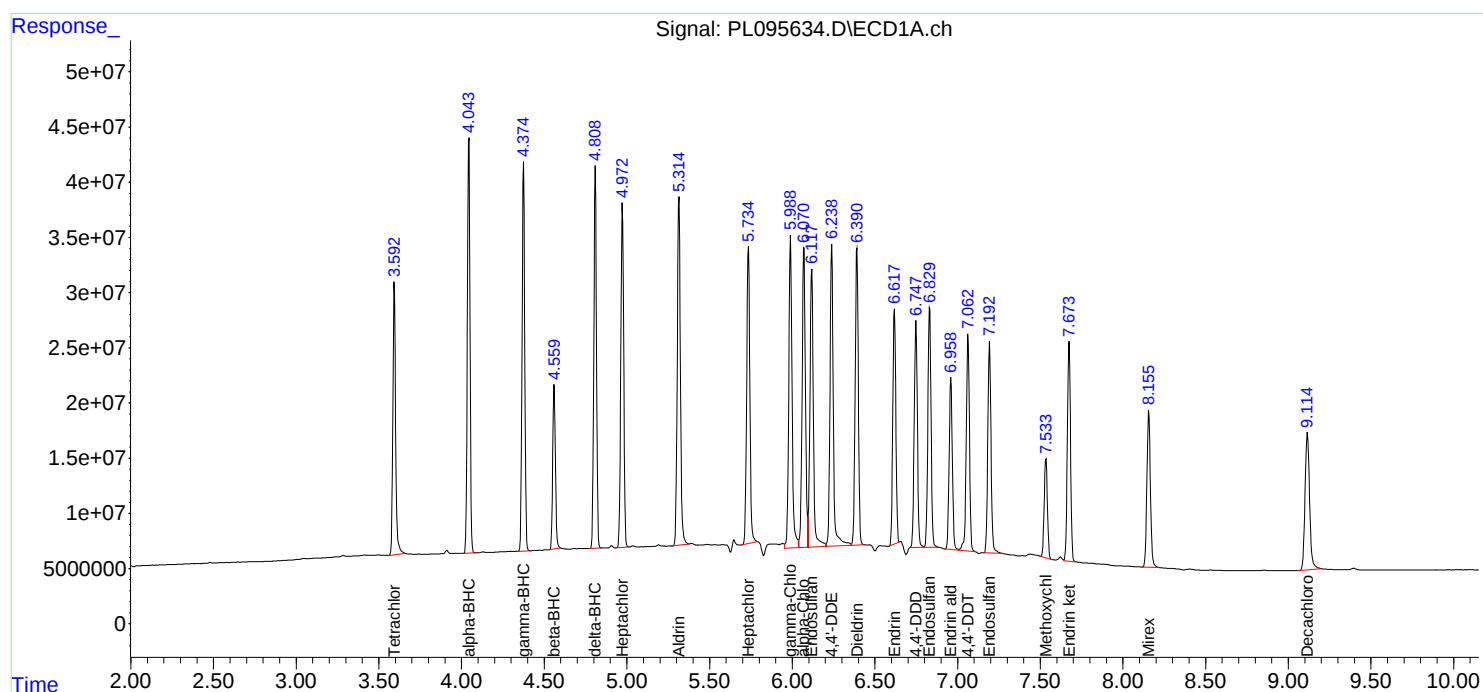
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095634.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 12:38
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: May 13 13:49:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 13:44:26 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\PL051325\
 Data File : PL095635.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 12:51
 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: May 13 13:44:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 13:44:26 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...	3.593	2.910	207.1E6	233.7E6	50.000	50.000
28)	SA Decachlor...	9.115	8.087	172.0E6	204.5E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	4.044	3.420	303.0E6	362.8E6	50.000	50.000
3)	MA gamma-BHC...	4.375	3.753	285.6E6	340.2E6	50.000	50.000
4)	MA Heptachlor	4.972	4.107	277.5E6	326.0E6	50.000	50.000
5)	MB Aldrin	5.314	4.392	292.9E6	319.0E6	50.000	50.000
6)	B beta-BHC	4.560	4.047	123.6E6	147.6E6	50.000	50.000
7)	B delta-BHC	4.809	4.283	276.4E6	342.7E6	50.000	50.000
8)	B Heptachlo...	5.735	4.895	252.8E6	287.1E6	50.000	50.000
9)	A Endosulfan I	6.119	5.268	248.5E6	267.5E6	50.000	50.000
10)	B gamma-Chl...	5.990	5.148	269.1E6	291.9E6	50.000	50.000
11)	B alpha-Chl...	6.071	5.212	265.0E6	286.7E6	50.000	50.000
12)	B 4,4'-DDE	6.239	5.398	263.7E6	291.7E6	50.000	50.000
13)	MA Dieldrin	6.391	5.533	249.3E6	305.4E6	50.000	50.000
14)	MA Endrin	6.619	5.808	196.0E6	265.5E6	50.000	50.000
15)	B Endosulfa...	6.831	6.098	209.3E6	266.8E6	50.000	50.000
16)	A 4,4'-DDD	6.748	5.949	192.3E6	255.0E6	50.000	50.000
17)	MA 4,4'-DDT	7.064	6.203	186.9E6	252.8E6	50.000	50.000
18)	B Endrin al...	6.960	6.276	149.7E6	187.7E6	50.000	50.000
19)	B Endosulfa...	7.193	6.499	184.8E6	243.9E6	50.000	50.000
20)	A Methoxychlor	7.534	6.773	86262380	134.2E6	50.000	50.000
21)	B Endrin ke...	7.674	7.005	190.8E6	291.5E6	50.000	50.000
22)	Mirex	8.156	7.201	152.7E6	213.4E6	50.000	50.000

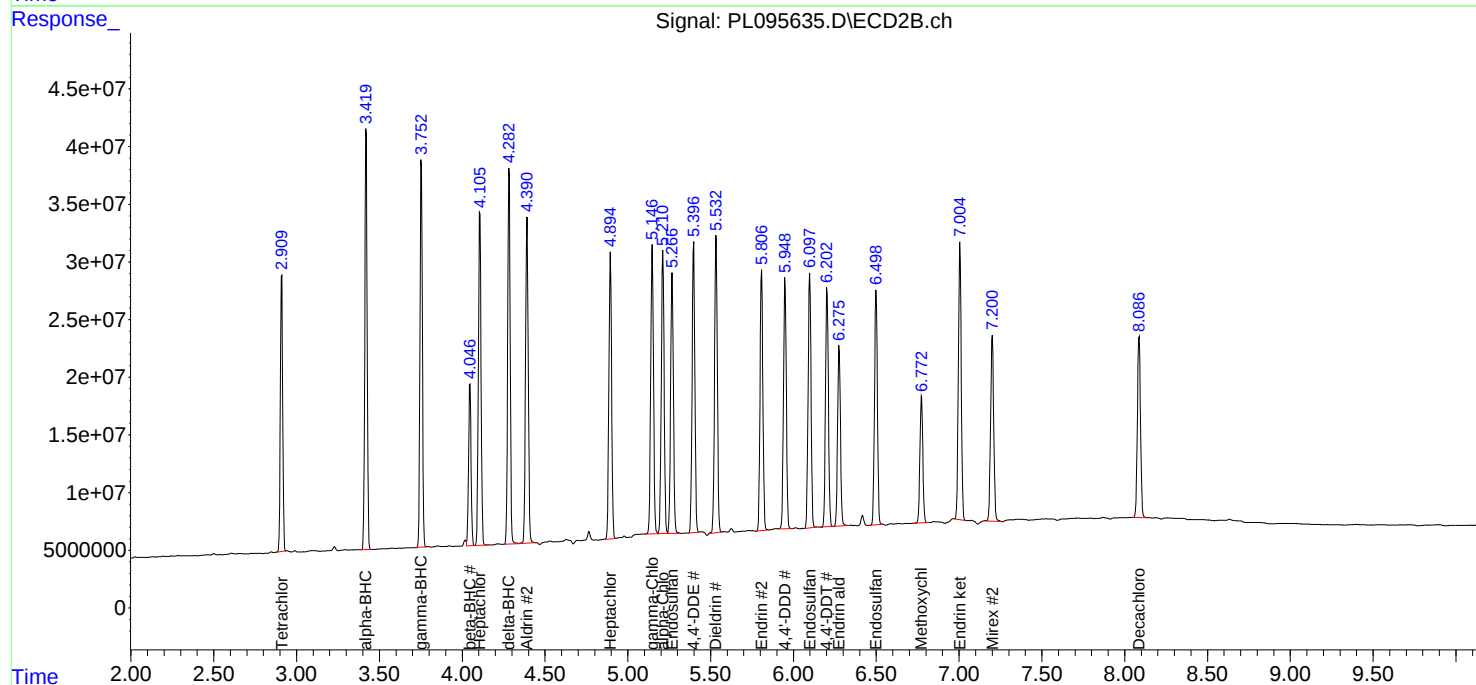
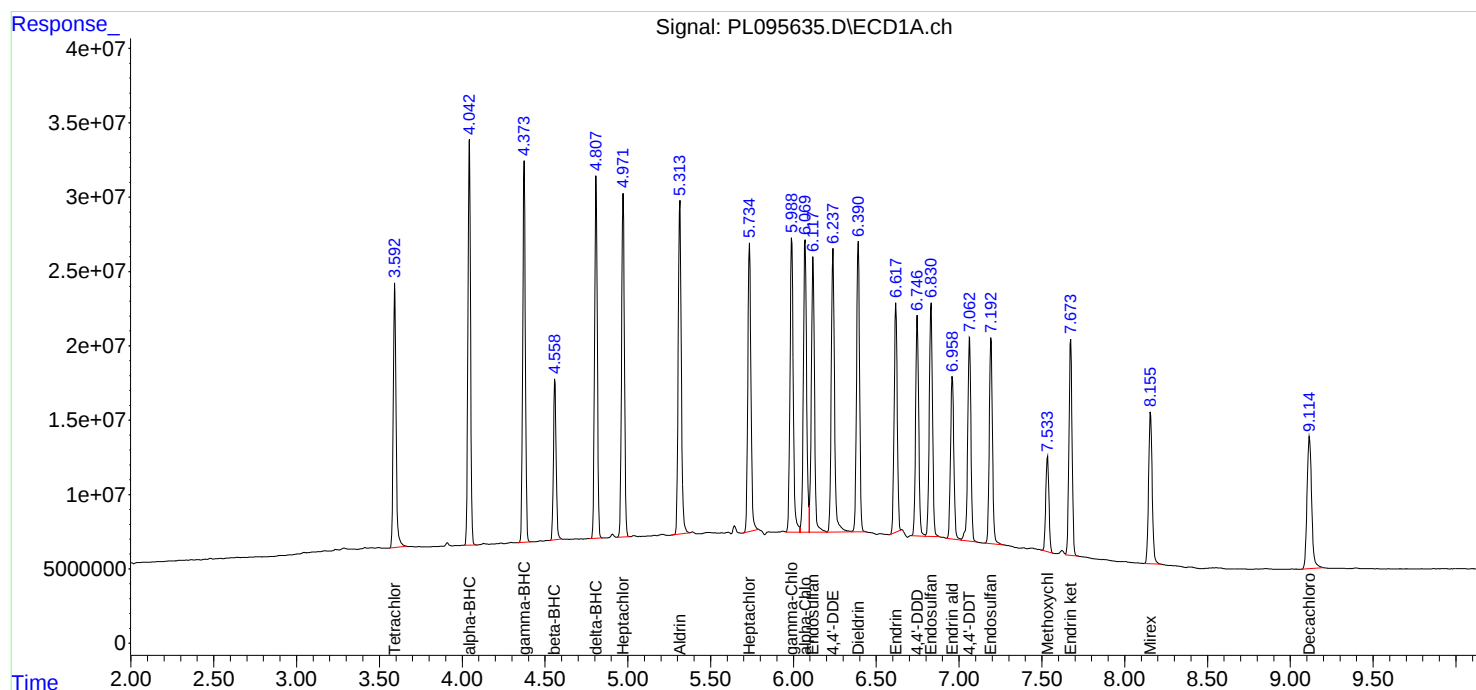
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095635.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 12:51
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: May 13 13:44:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 13:44:26 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\PL051325\
 Data File : PL095636.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 13:05
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 13:52:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 13:44:26 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...	3.593	2.911	100.6E6	117.5E6	25.402	26.287
28)	SA Decachlor...	9.116	8.088	84959192	104.0E6	25.618	26.275
Target Compounds							
2)	A alpha-BHC	4.044	3.421	141.4E6	178.0E6	24.380	25.644
3)	MA gamma-BHC...	4.374	3.754	134.9E6	168.7E6	24.602	25.795
4)	MA Heptachlor	4.972	4.108	132.6E6	163.0E6	24.928	26.131
5)	MB Aldrin	5.314	4.393	139.3E6	159.1E6	24.696	26.067
6)	B beta-BHC	4.560	4.048	60865204	76297649	25.629	26.725
7)	B delta-BHC	4.809	4.284	131.5E6	169.2E6	24.632	25.651
8)	B Heptachlo...	5.735	4.896	124.1E6	145.7E6	25.322	26.399
9)	A Endosulfan I	6.117	5.268	117.2E6	132.0E6	24.145m	26.064
10)	B gamma-Chl...	5.988	5.148	130.0E6	149.3E6	24.703m	26.215
11)	B alpha-Chl...	6.069	5.213	123.8E6	146.9E6	24.081m	26.365
12)	B 4,4'-DDE	6.238	5.398	126.4E6	148.6E6	24.670m	25.762
13)	MA Dieldrin	6.392	5.533	121.7E6	153.1E6	25.092	25.875m
14)	MA Endrin	6.619	5.809	92251322	132.0E6	24.540	25.814
15)	B Endosulfa...	6.831	6.099	102.5E6	135.3E6	25.378	26.200
16)	A 4,4'-DDD	6.748	5.951	93884550	129.4E6	25.136	26.113
17)	MA 4,4'-DDT	7.063	6.205	87462111	124.8E6	24.185	25.316
18)	B Endrin al...	6.960	6.277	73637806	95674476	25.327	25.901
19)	B Endosulfa...	7.193	6.500	91489125	125.4E6	25.511	26.628
20)	A Methoxychlor	7.535	6.774	40886759	67796236	24.590	25.978
21)	B Endrin ke...	7.675	7.006	93565786	148.4E6	25.317	26.286
22)	Mirex	8.157	7.202	75622260	108.9E6	25.799	26.563

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095636.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:05
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

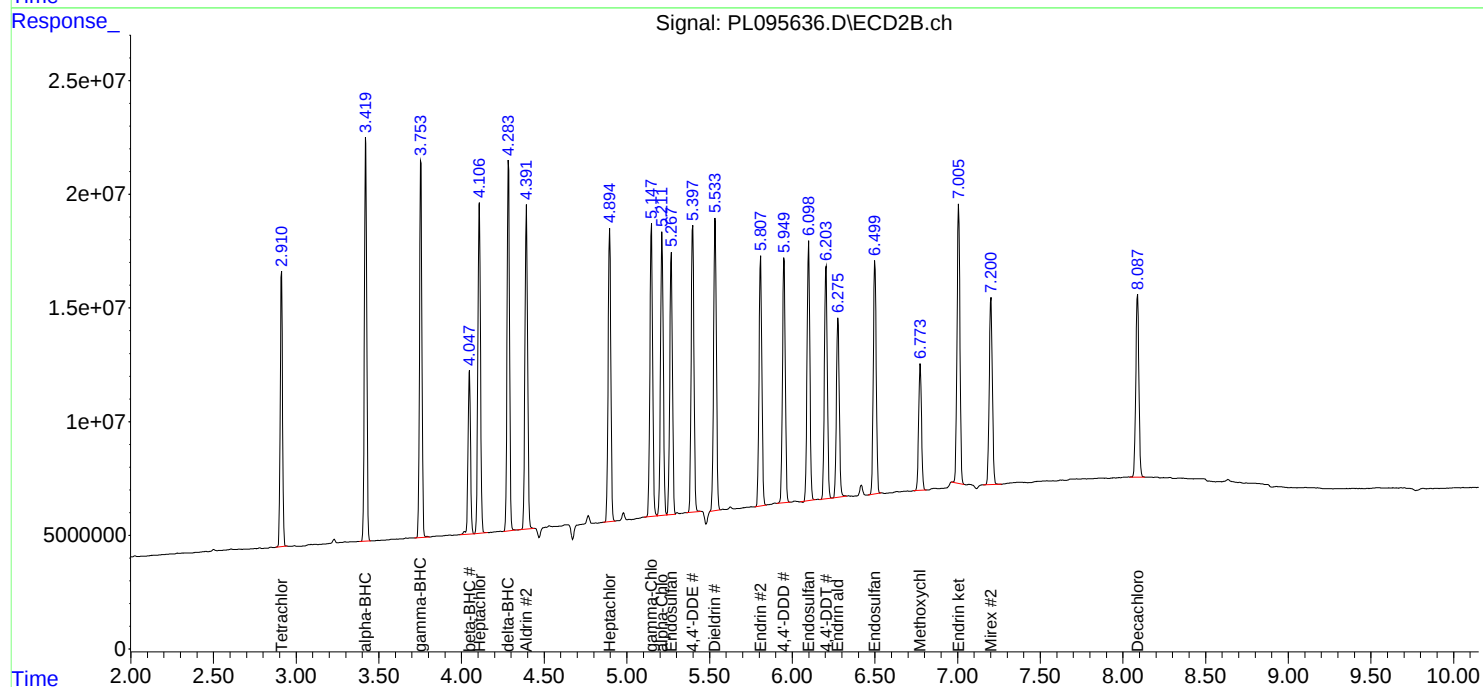
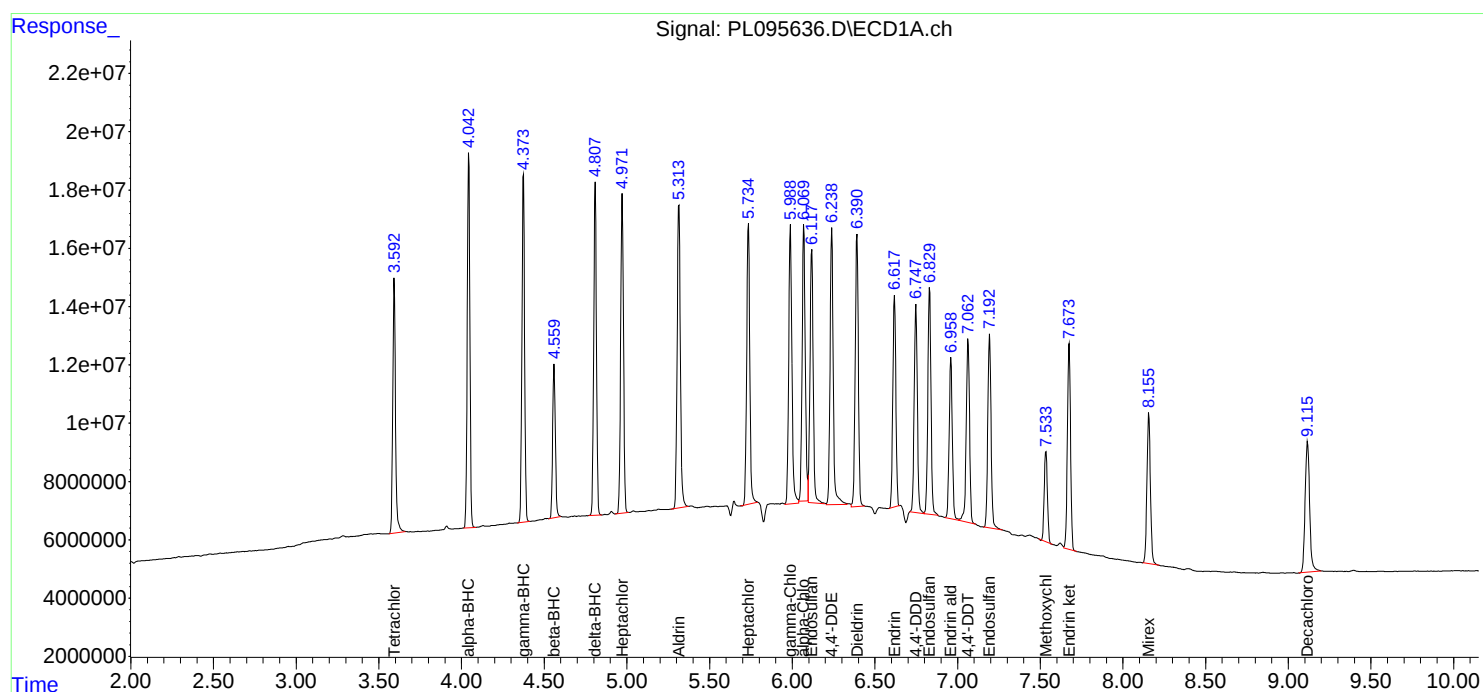
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 13:52:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 13:44:26 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\PL051325\
 Data File : PL095637.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 13:18
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 13:55:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 13:44:26 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...	3.593	2.911	22919336	27713661	5.609	5.917
28) SA Decachlor...	9.116	8.085	18484150	23951581	5.449	5.810m
Target Compounds						
2) A alpha-BHC	4.043	3.420	30240349	39942097	5.168	5.585
3) MA gamma-BHC...	4.374	3.754	29493823	38007984	5.299	5.629
4) MA Heptachlor	4.972	4.107	29721597	38325543	5.458	5.875
5) MB Aldrin	5.314	4.392	30785570	37352453	5.360	5.857
6) B beta-BHC	4.560	4.047	13731087	18327254	5.607	6.075
7) B delta-BHC	4.808	4.284	29075348	38205628	5.352	5.613
8) B Heptachlo...	5.732	4.895	31562302	34123707	6.095m	5.904
9) A Endosulfan I	6.116	5.266	26029898	27982651	5.286m	5.413m
10) B gamma-Chl...	5.988	5.146	28622298	34978408	5.361m	5.867m
11) B alpha-Chl...	6.068	5.211	27839765	36084553	5.332m	6.130m
12) B 4,4'-DDE	6.238	5.398	25468034	33802361	4.977	5.664
13) MA Dieldrin	6.391	5.532	26197927	35533504	5.316	5.786m
14) MA Endrin	6.618	5.808	20580618	30899525	5.373	5.800
15) B Endosulfa...	6.830	6.097	23441777	33615921	5.624	6.188m
16) A 4,4'-DDD	6.748	5.950	22438214	29449444	5.775	5.726
17) MA 4,4'-DDT	7.063	6.204	17617634	26896345	4.897	5.359
18) B Endrin al...	6.959	6.276	15247824	21841755	5.194	5.705
19) B Endosulfa...	7.192	6.499	20033288	30086708	5.458	6.052
20) A Methoxychlor	7.534	6.774	8896553	15449972	5.277	5.710
21) B Endrin ke...	7.674	7.004	19742168	33997071	5.270	5.785m
22) Mirex	8.155	7.201	17490686	25827179	5.745	5.990

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095637.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:18
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

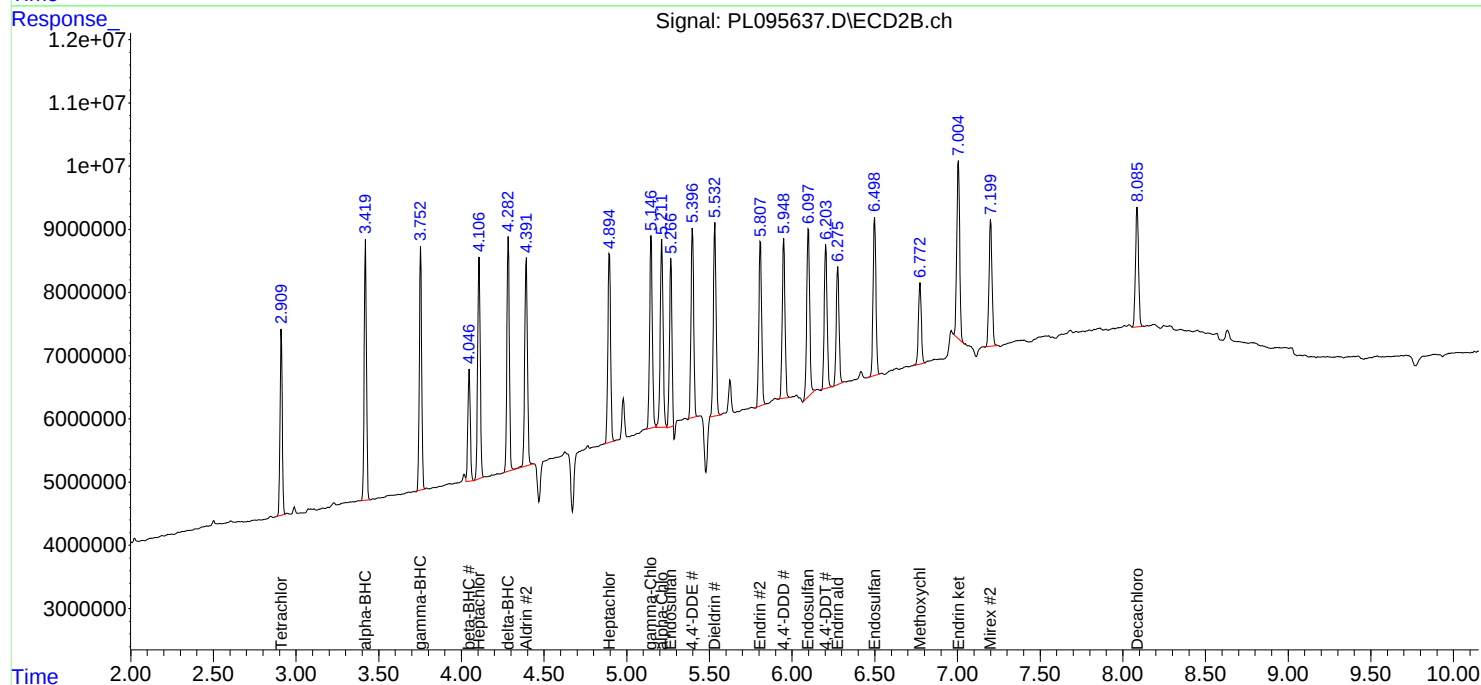
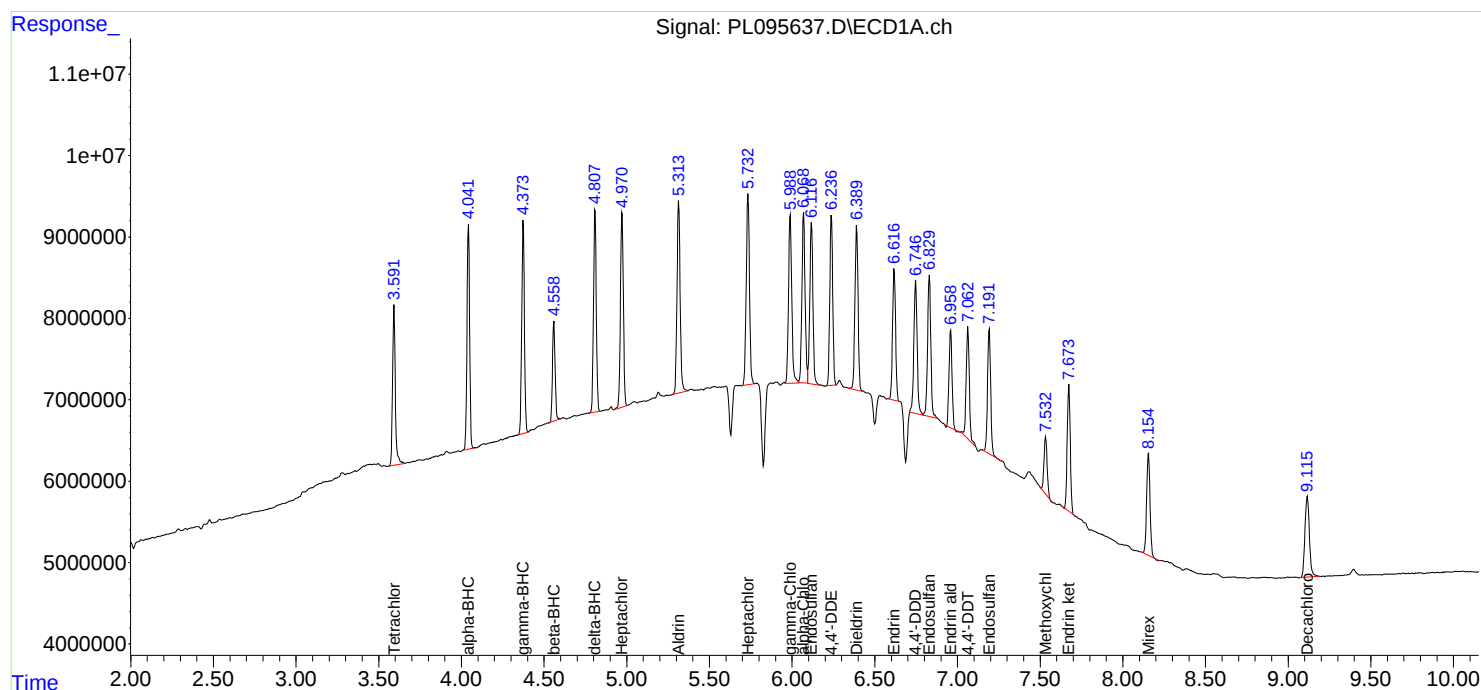
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 13:55:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 13:44:26 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\PL051325\
 Data File : PL095640.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 13:59
 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: May 13 14:09:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:09:36 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...	3.593	2.911	186.5E6	272.6E6	50.000	50.000
28)	SA Decachlor...	9.115	8.088	157.5E6	194.2E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.758	3.930	111.0E6	112.5E6	500.000	500.000
24)	Chlordane-2	5.285	4.510	120.9E6	122.0E6	500.000	500.000
25)	Chlordane-3	5.990	5.148	464.1E6	356.2E6	500.000	500.000
26)	Chlordane-4	6.075	5.212	557.5E6	299.2E6	500.000	500.000
27)	Chlordane-5	6.915	6.108	91158414	135.2E6	500.000	500.000

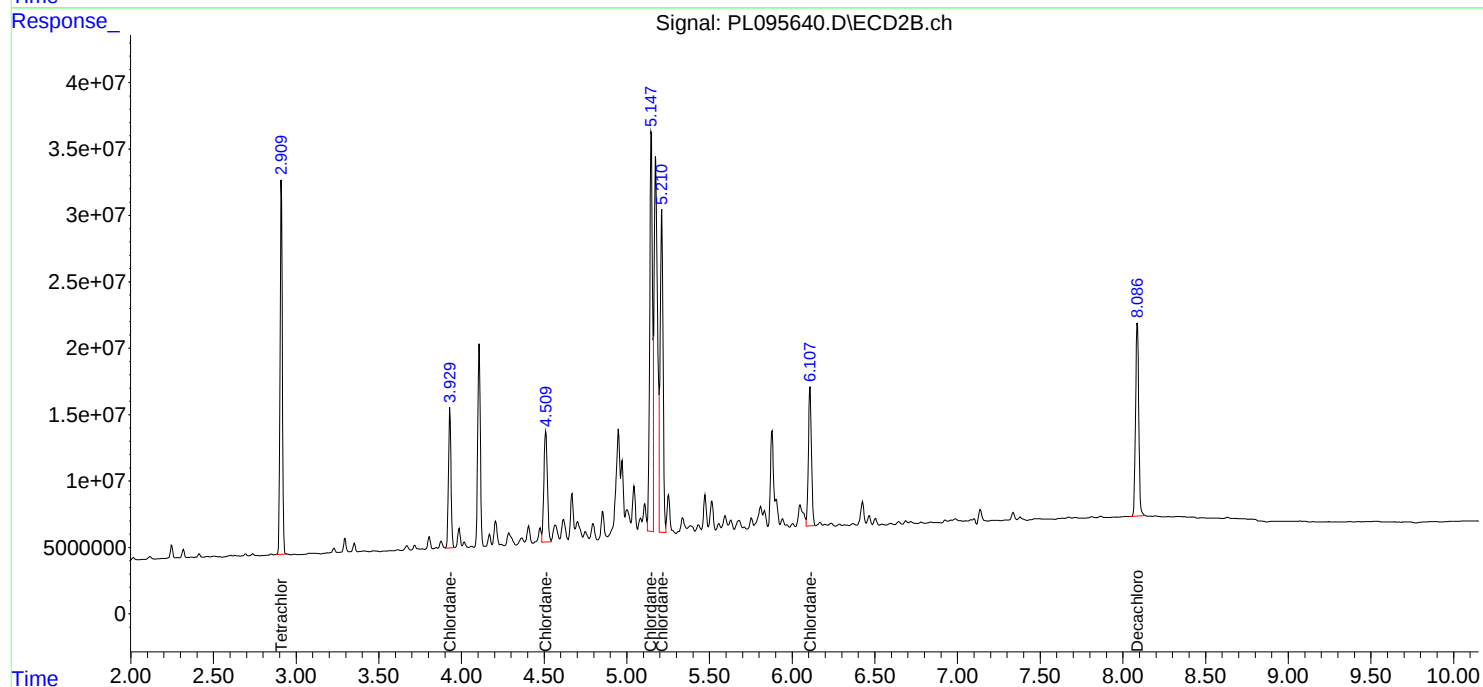
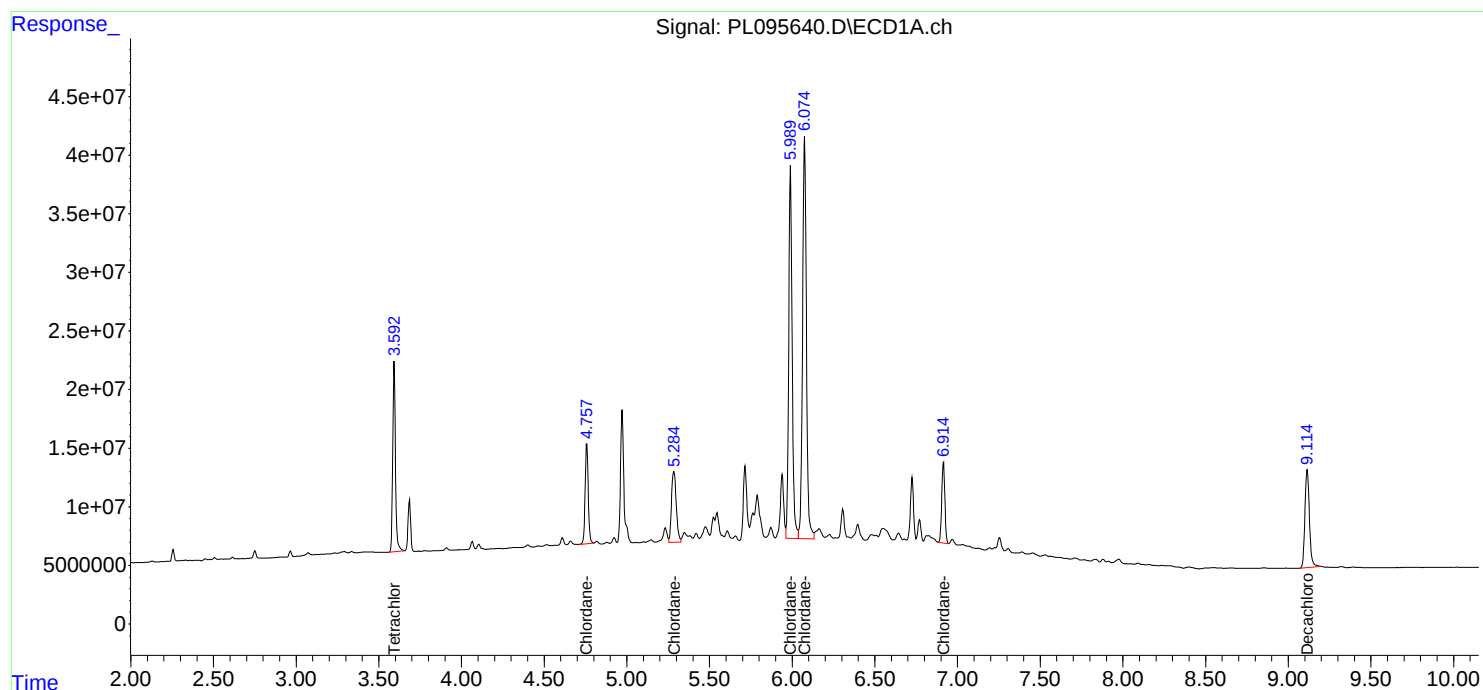
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095640.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:59
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: May 13 14:09:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:09:36 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\PL051325\
 Data File : PL095645.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 15:07
 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: May 14 12:02:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX051325.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:02:04 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...	3.591	2.909	199.2E6	231.5E6	50.000	50.000
7) SA Decachlor...	9.110	8.083	173.7E6	218.1E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	5.893	5.166	9728915	20901352	500.000	500.000
3) Toxaphene-2	6.283	5.853	22361157	20120057	500.000	500.000
4) Toxaphene-3	7.096	6.133	66031186	22212421	500.000	500.000
5) Toxaphene-4	7.187	6.769	46290625	64791225	500.000	500.000
6) Toxaphene-5	7.966	7.209	30537251	47739503	500.000	500.000

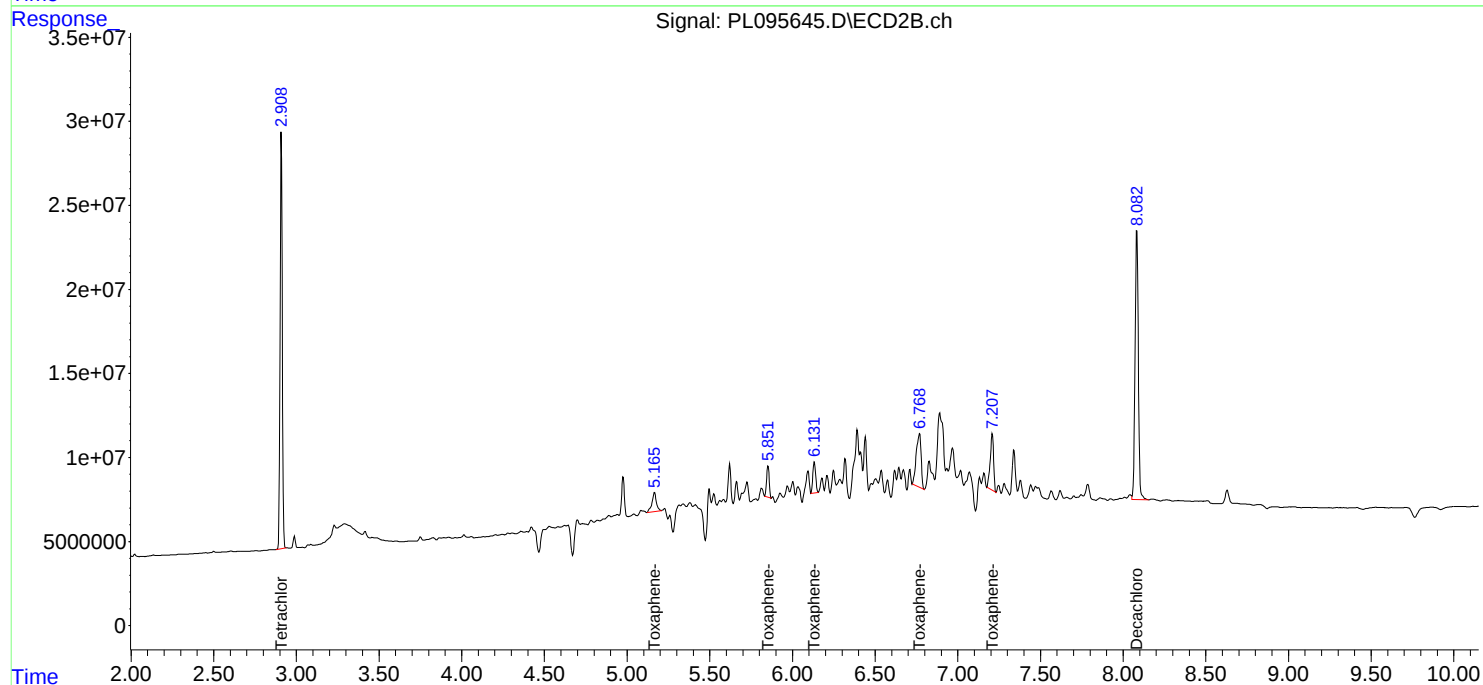
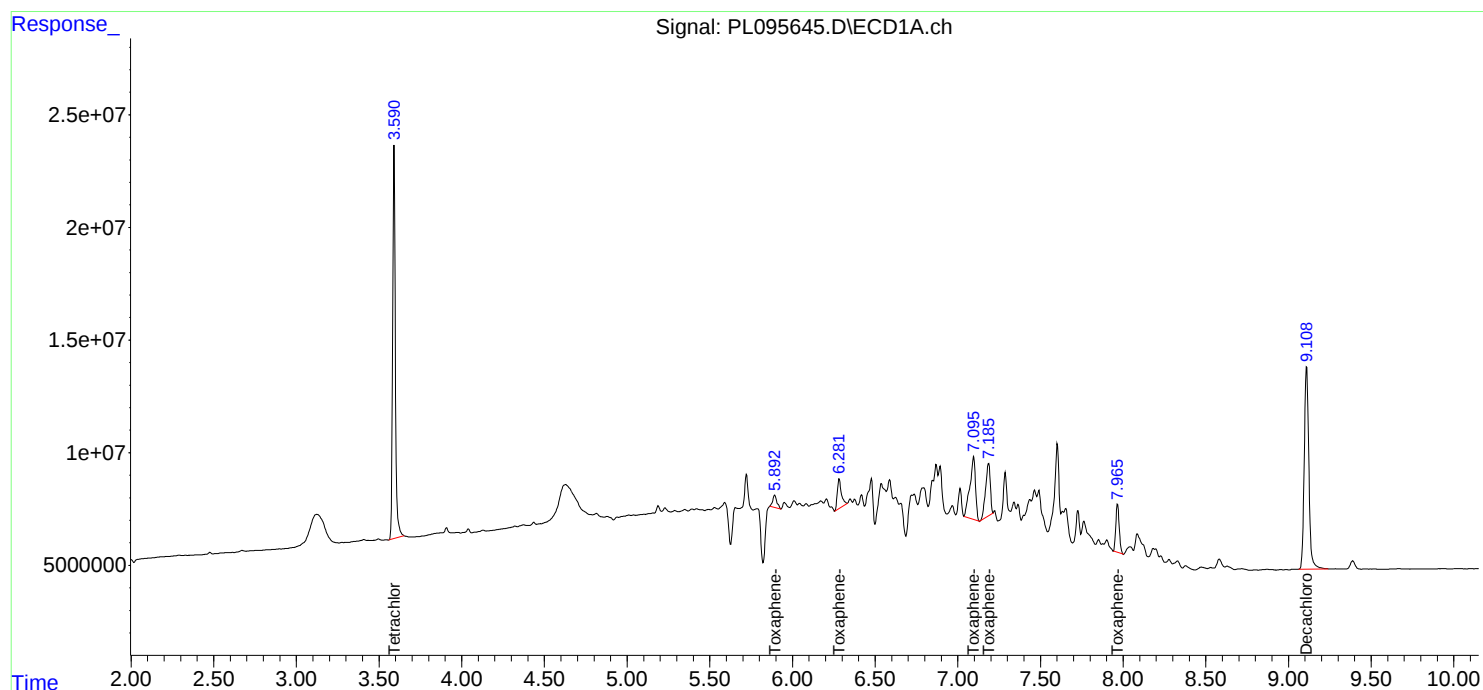
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095645.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 15:07
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: May 14 12:02:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX051325.M
Quant Title : GC Extractables
QLast Update : Wed May 14 12:02:04 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 x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
 Data File : PL095648.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 17:17
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL051325

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 12:07:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.592	2.908	215.9E6	238.2E6	52.828	50.858
28)	SA Decachlor...	9.113	8.085	198.8E6	229.7E6	58.602	55.689
Target Compounds							
2)	A alpha-BHC	4.043	3.418	322.7E6	371.4E6	55.148	51.935
3)	MA gamma-BHC...	4.374	3.751	307.6E6	350.8E6	55.255	51.943
4)	MA Heptachlor	4.971	4.104	305.8E6	336.3E6	56.162	51.554
5)	MB Aldrin	5.313	4.390	323.9E6	334.4E6	56.394	52.434
6)	B beta-BHC	4.559	4.045	132.9E6	152.4E6	54.279	50.505
7)	B delta-BHC	4.808	4.281	296.4E6	353.6E6	54.564	51.941
8)	B Heptachlo...	5.734	4.892	285.5E6	305.8E6	55.092	52.912
9)	A Endosulfan I	6.117	5.265	281.1E6	285.3E6	57.426	55.167
10)	B gamma-Chl...	5.988	5.145	302.9E6	316.4E6	56.567	53.126
11)	B alpha-Chl...	6.069	5.210	298.8E6	309.9E6	57.493	52.505
12)	B 4,4'-DDE	6.237	5.395	302.9E6	334.7E6	59.166	56.084
13)	MA Dieldrin	6.390	5.530	287.5E6	330.8E6	58.333	53.768
14)	MA Endrin	6.617	5.805	222.6E6	285.9E6	58.106	53.671
15)	B Endosulfa...	6.829	6.096	238.7E6	291.4E6	57.274	53.205
16)	A 4,4'-DDD	6.746	5.948	226.0E6	283.1E6	58.157	55.040
17)	MA 4,4'-DDT	7.062	6.202	219.7E6	278.8E6	61.054	55.547
18)	B Endrin al...	6.958	6.274	172.5E6	212.8E6	58.758	55.584
19)	B Endosulfa...	7.192	6.497	214.5E6	266.3E6	58.449	53.554
20)	A Methoxychlor	7.533	6.771	101.1E6	147.8E6	59.985	54.612
21)	B Endrin ke...	7.673	7.003	221.3E6	321.5E6	59.080	54.705
22)	Mirex	8.154	7.198	176.5E6	233.1E6	57.960	54.068

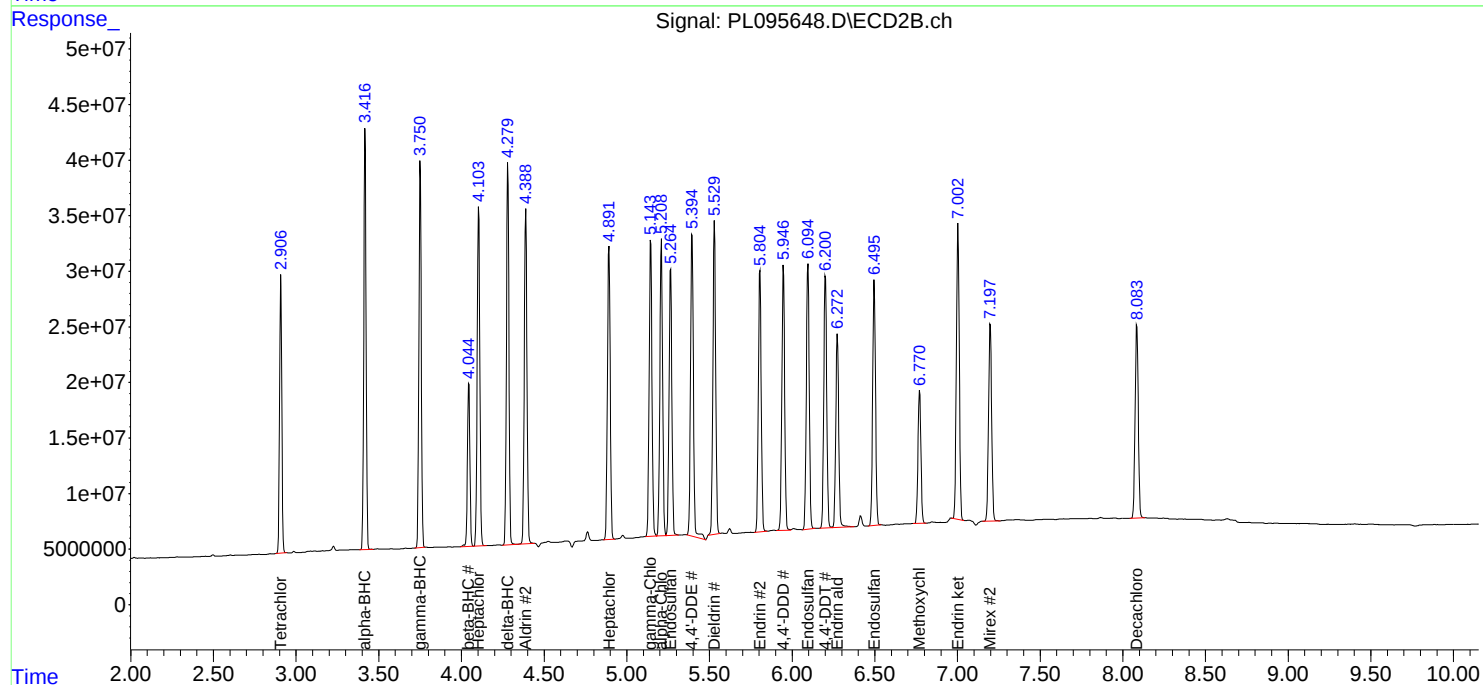
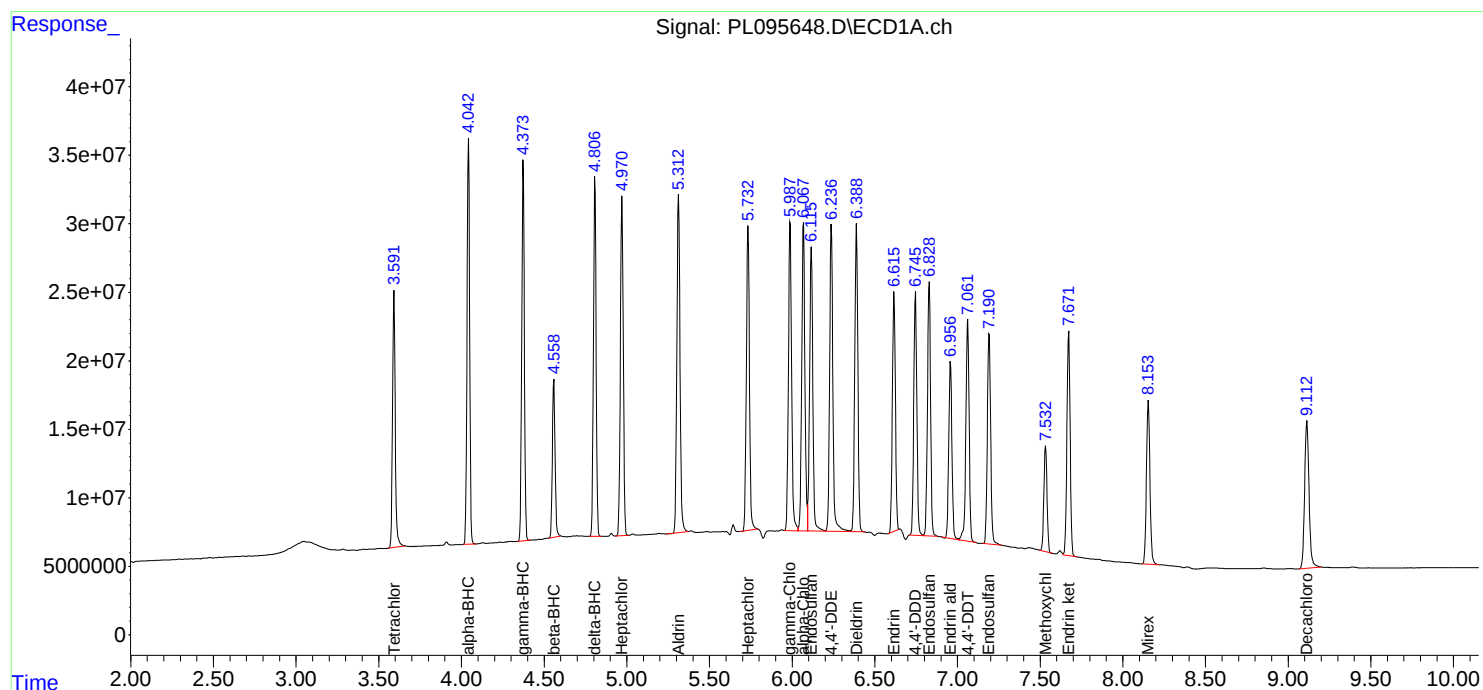
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL051325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 12:07:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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\PL051325\
 Data File : PL095649.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 17:31
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL051325

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/15/2025
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 12:07:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.591	2.909	222.7E6	316.8E6	54.495	67.638
28) SA Decachlor...	9.112	8.085	197.2E6	231.3E6	58.123	56.085
Target Compounds						
23) Chlordane-1	4.754	3.928	138.6E6	130.9E6	595.548m	543.866
24) Chlordane-2	5.283	4.509	147.6E6	140.9E6	535.118	529.259
25) Chlordane-3	5.986	5.145	556.4E6	391.6E6	574.446m	506.029m
26) Chlordane-4	6.073	5.210	658.6E6	334.4E6	567.340	516.520
27) Chlordane-5	6.912	6.106	113.3E6	159.4E6	597.647	554.891

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:31
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL051325

Manual Integrations

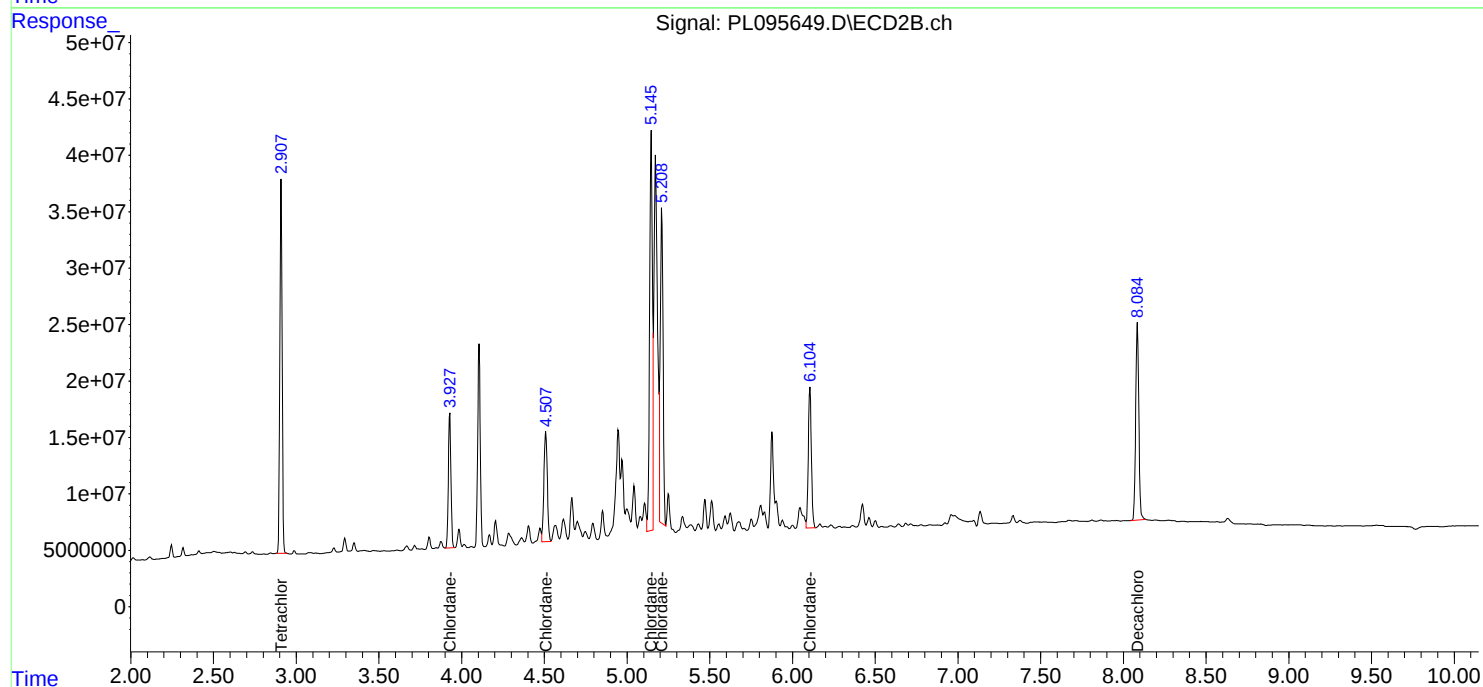
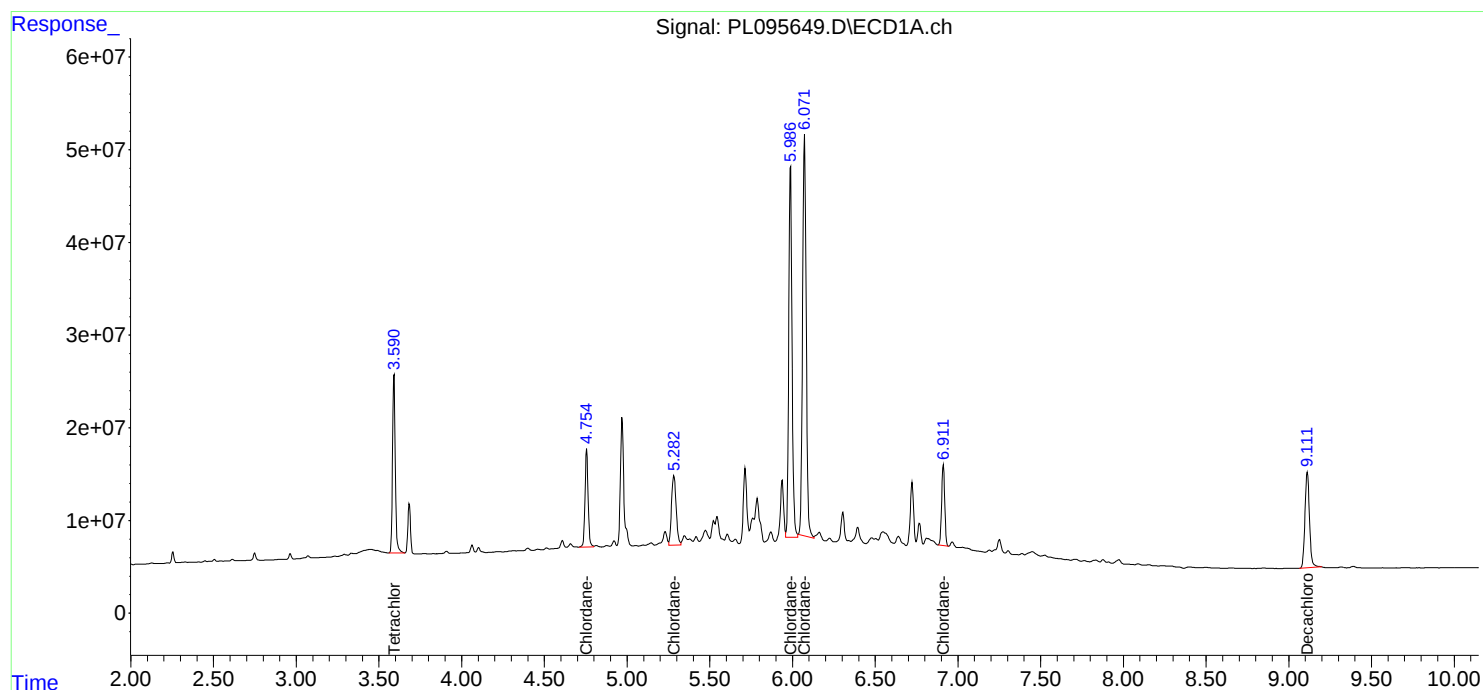
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 12:07:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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\PL051325\
 Data File : PL095650.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 17:47
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL051325

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 12:10:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX051325.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:02:44 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...	3.594	2.908	185.3E6	211.9E6	46.525	45.768
7) SA Decachlor...	9.115	8.085	162.6E6	195.3E6	46.779	44.772
Target Compounds						
2) Toxaphene-1	5.898	5.167	7202487	15921525	370.159	380.873
3) Toxaphene-2	6.285	5.853	15768008	17186249	352.576	427.092
4) Toxaphene-3	7.100	6.133	56091156	19315058	424.732	434.781
5) Toxaphene-4	7.191	6.770	40429486	56145178	436.692	433.278
6) Toxaphene-5	7.971	7.211	27928621	40071956	457.288	419.694

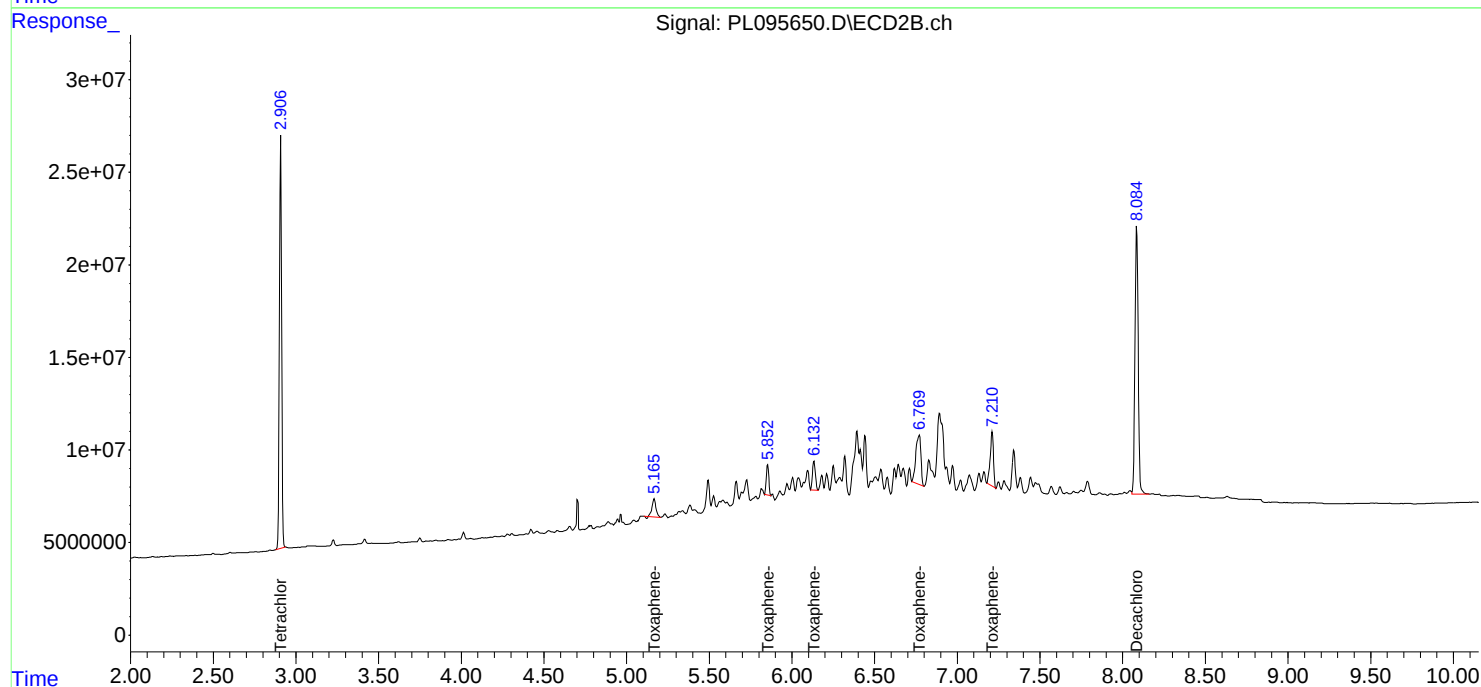
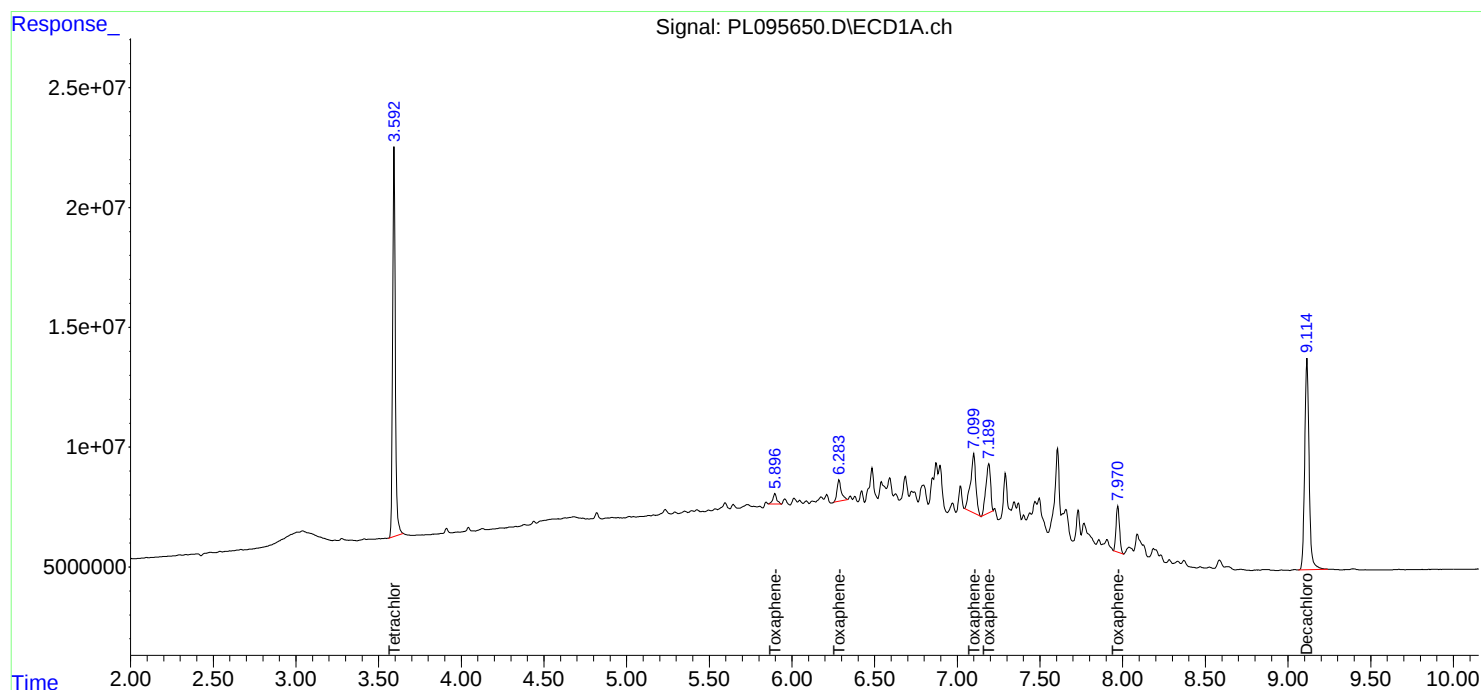
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095650.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:47
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL051325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 12:10:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX051325.M
Quant Title : GC Extractables
QLast Update : Wed May 14 12:02:44 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 x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
 Data File : PL095651.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 10:07
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL051325

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 10:53:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.596	2.909	196.8E6	223.5E6	48.162	47.719
28)	SA Decachlor...	9.120	8.089	164.4E6	197.5E6	48.458	47.885
Target Compounds							
2)	A alpha-BHC	4.047	3.419	290.6E6	345.9E6	49.661	48.365
3)	MA gamma-BHC...	4.378	3.753	274.0E6	324.9E6	49.233	48.117
4)	MA Heptachlor	4.975	4.106	264.9E6	308.8E6	48.640	47.336
5)	MB Aldrin	5.317	4.392	283.5E6	306.4E6	49.361	48.044
6)	B beta-BHC	4.564	4.047	117.9E6	142.3E6	48.138	47.175
7)	B delta-BHC	4.812	4.283	263.6E6	326.3E6	48.526	47.940
8)	B Heptachlo...	5.738	4.895	247.0E6	279.5E6	47.674	48.368
9)	A Endosulfan I	6.121	5.268	242.5E6	268.1E6	49.530	51.833
10)	B gamma-Chl...	5.992	5.147	262.7E6	291.5E6	49.047	48.936
11)	B alpha-Chl...	6.073	5.212	259.1E6	284.7E6	49.848	48.242
12)	B 4,4'-DDE	6.242	5.397	258.2E6	289.8E6	50.449	48.553
13)	MA Dieldrin	6.395	5.533	244.9E6	298.2E6	49.691	48.471
14)	MA Endrin	6.622	5.808	177.3E6	241.2E6	46.283	45.264
15)	B Endosulfa...	6.834	6.099	203.2E6	262.3E6	48.751	47.893
16)	A 4,4'-DDD	6.751	5.950	190.6E6	253.4E6	49.041	49.270
17)	MA 4,4'-DDT	7.067	6.204	174.7E6	238.8E6	48.566	47.572
18)	B Endrin al...	6.962	6.277	148.3E6	191.7E6	50.515	50.062
19)	B Endosulfa...	7.197	6.500	181.3E6	238.9E6	49.408	48.055
20)	A Methoxychlor	7.538	6.774	80139795	126.4E6	47.531	46.708
21)	B Endrin ke...	7.678	7.007	191.9E6	296.5E6	51.221	50.450
22)	Mirex	8.160	7.201	149.5E6	209.4E6	49.096	48.570

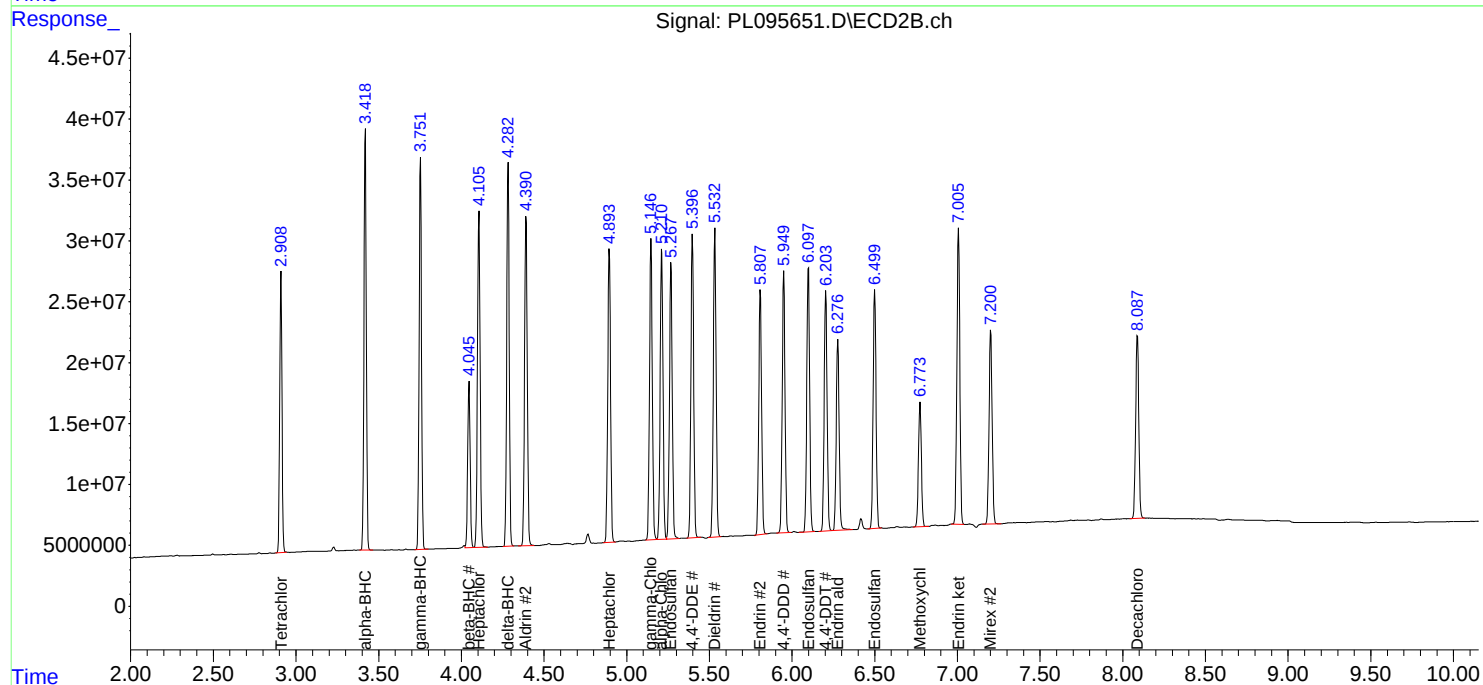
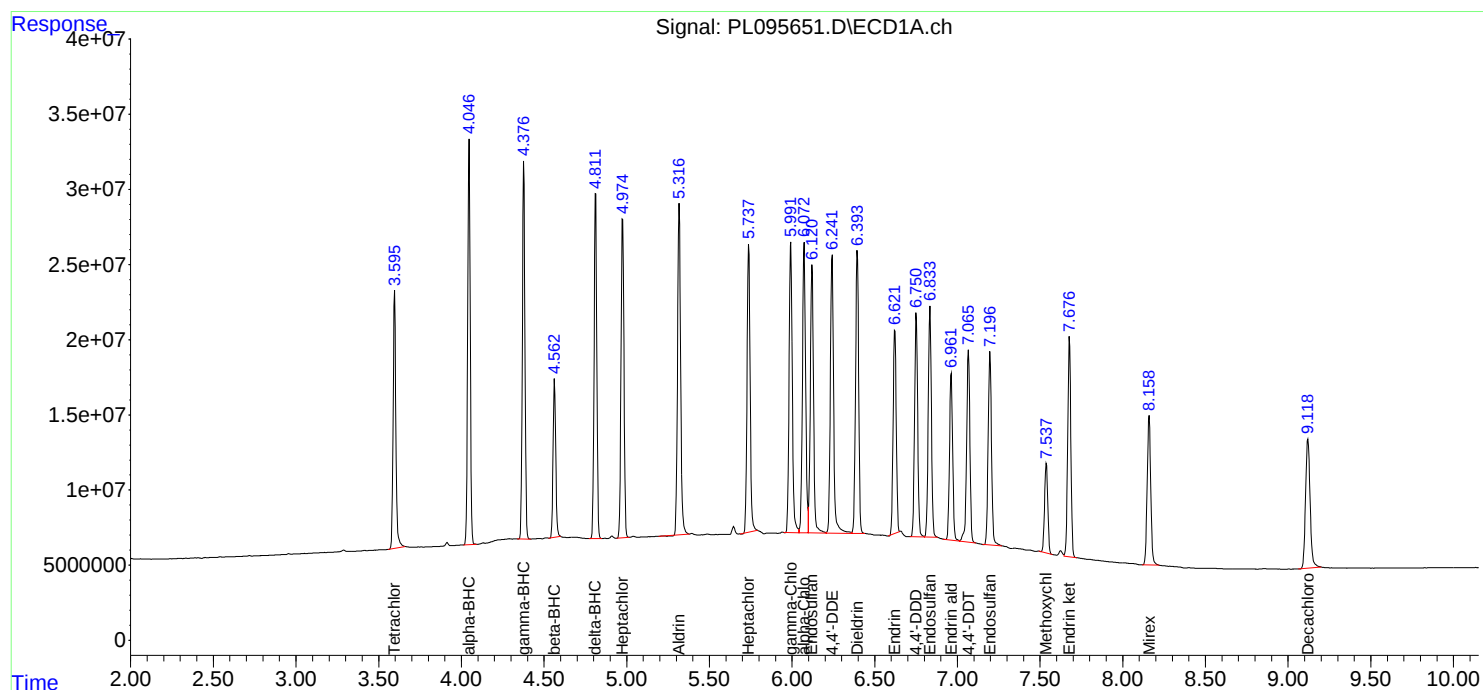
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 10:07
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL051325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 10:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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\PL051325\
 Data File : PL095652.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 10:21
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL051325

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 10:34:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.592	2.910	185.0E6	262.9E6	45.271	56.136
28) SA Decachlor...	9.113	8.087	160.5E6	196.9E6	47.323	47.740
Target Compounds						
23) Chlordane-1	4.755	3.930	112.4E6	113.1E6	483.111m	470.086
24) Chlordane-2	5.283	4.510	125.8E6	124.7E6	456.045	468.577
25) Chlordane-3	5.987	5.146	456.4E6	351.6E6	471.195m	454.259m
26) Chlordane-4	6.074	5.211	555.2E6	293.9E6	478.281	453.947
27) Chlordane-5	6.913	6.108	96083689	139.8E6	506.700	486.556

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 10:21
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL051325

Manual Integrations

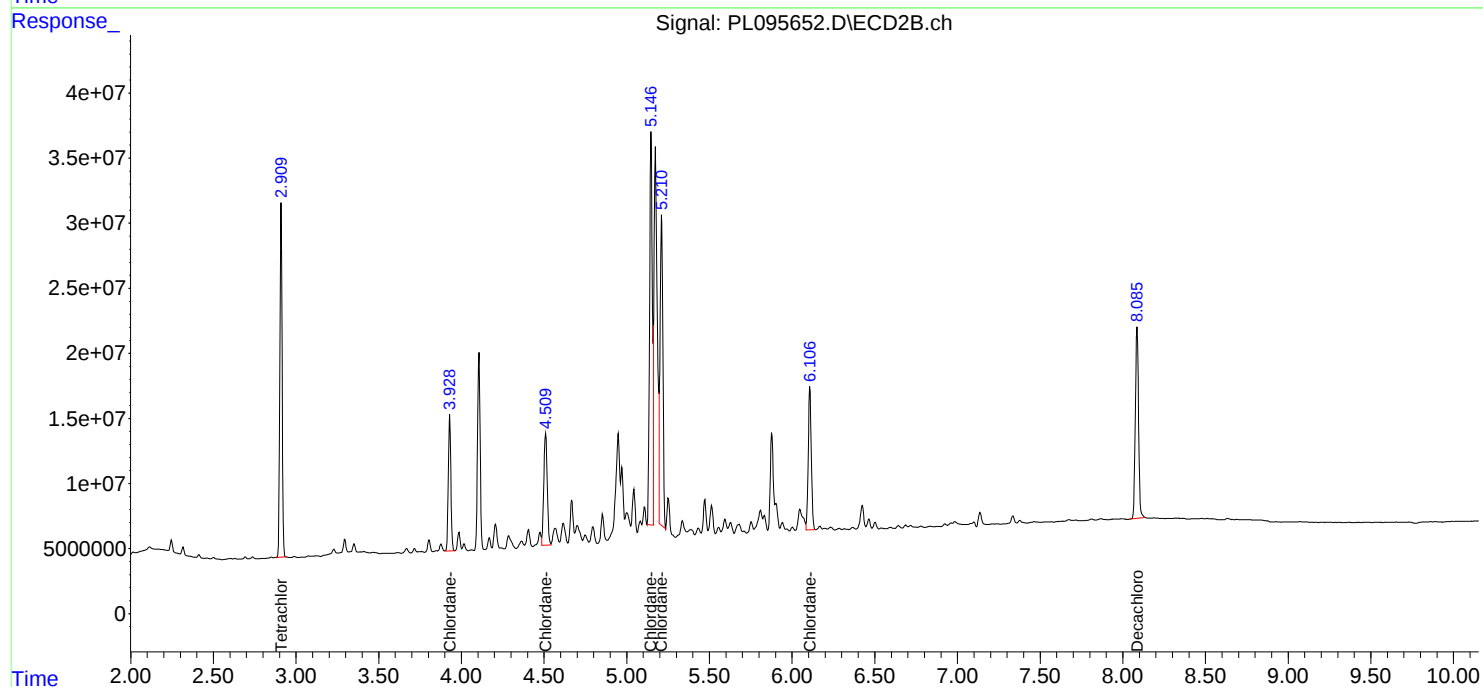
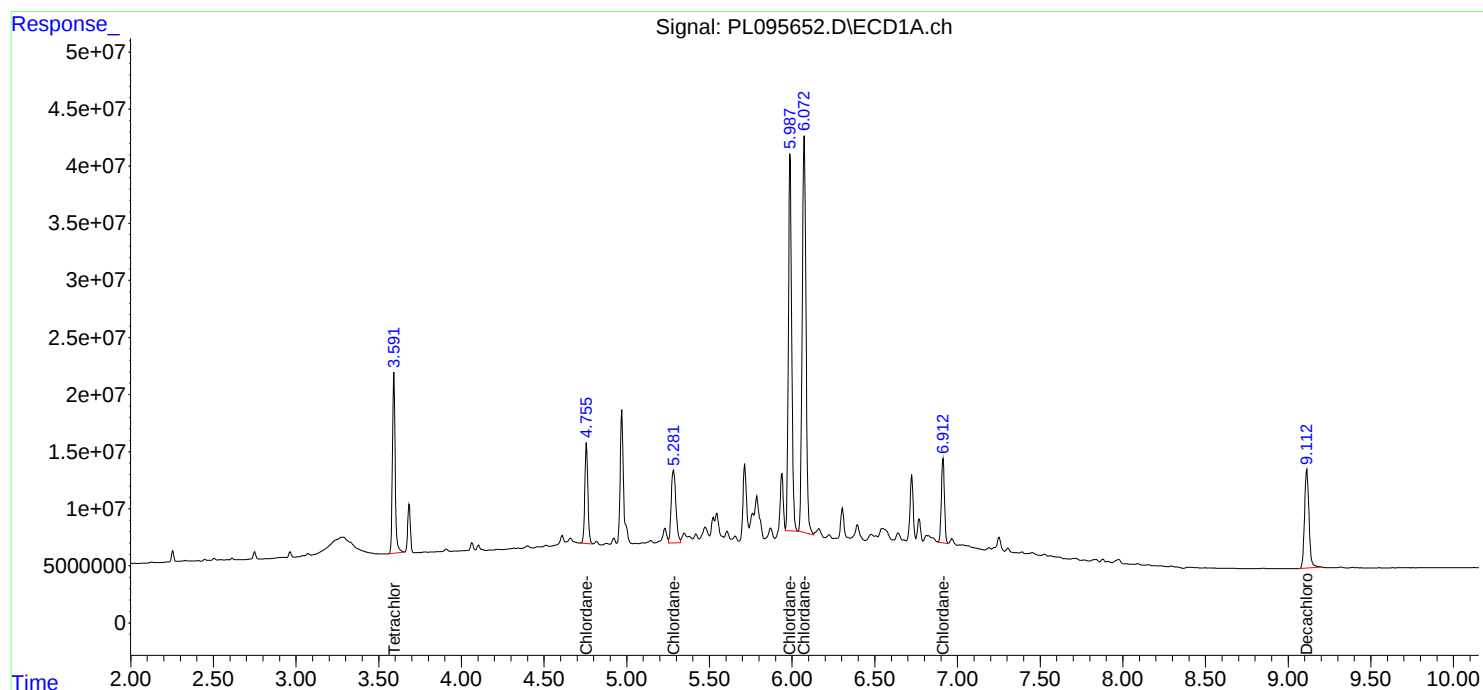
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 10:34:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 12:00 Initial Calibration Time(s): 12:24 13:18

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.11	9.12	9.02	9.22	0.01
Tetrachloro-m-xylene	3.59	3.59	3.49	3.69	0.00
gamma-BHC (Lindane)	4.37	4.38	4.28	4.48	0.01
Heptachlor	4.97	4.97	4.87	5.07	0.00
Heptachlor epoxide	5.73	5.74	5.64	5.84	0.01
Endrin	6.62	6.62	6.52	6.72	0.00
Methoxychlor	7.53	7.53	7.43	7.63	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 12:00 Initial Calibration Time(s): 12:24 13:18

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.11	4.11	4.01	4.21	0.00
Heptachlor epoxide	4.89	4.90	4.80	5.00	0.01
Endrin	5.81	5.81	5.71	5.91	0.00
Methoxychlor	6.77	6.77	6.67	6.87	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL01 Date Analyzed: 05/14/2025

Lab Sample No.: PSTDCCC050 Data File : PL095656.D Time Analyzed: 12:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.114	9.015	9.215	50.430	50.000	0.9
Endrin	6.617	6.519	6.719	49.390	50.000	-1.2
gamma-BHC (Lindane)	4.374	4.275	4.475	49.420	50.000	-1.2
Heptachlor	4.971	4.872	5.072	49.350	50.000	-1.3
Heptachlor epoxide	5.734	5.635	5.835	48.550	50.000	-2.9
Methoxychlor	7.533	7.434	7.634	50.710	50.000	1.4
Tetrachloro-m-xylene	3.592	3.493	3.693	47.830	50.000	-4.3



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

CALIBRATION VERIFICATION SUMMARY
Contract: ENTA05
Lab Code: CHEM **Case No.:** Q2001 **SAS No.:** Q2001 **SDG NO.:** Q2001
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/13/2025 05/13/2025
Client Sample No.: CCAL01 **Date Analyzed:** 05/14/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095656.D **Time Analyzed:** 12:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.085	7.987	8.187	47.300	50.000	-5.4
Endrin	5.807	5.708	5.908	45.250	50.000	-9.5
gamma-BHC (Lindane)	3.753	3.653	3.853	46.010	50.000	-8.0
Heptachlor	4.106	4.007	4.207	45.440	50.000	-9.1
Heptachlor epoxide	4.894	4.795	4.995	46.360	50.000	-7.3
Methoxychlor	6.772	6.673	6.873	46.130	50.000	-7.7
Tetrachloro-m-xylene	2.910	2.810	3.010	45.460	50.000	-9.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
 Data File : PL095656.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 12:00
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:08:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.592	2.910	195.4E6	212.9E6	47.831	45.461
28)	SA Decachlor...	9.114	8.085	171.1E6	195.1E6	50.431	47.296
Target Compounds							
2)	A alpha-BHC	4.043	3.420	290.2E6	329.2E6	49.604	46.031
3)	MA gamma-BHC...	4.374	3.753	275.1E6	310.7E6	49.425	46.010
4)	MA Heptachlor	4.971	4.106	268.8E6	296.4E6	49.351	45.440
5)	MB Aldrin	5.313	4.391	286.5E6	294.6E6	49.878	46.189
6)	B beta-BHC	4.559	4.047	119.2E6	135.7E6	48.656	44.963
7)	B delta-BHC	4.808	4.283	265.9E6	314.0E6	48.939	46.135
8)	B Heptachlo...	5.734	4.894	251.6E6	267.9E6	48.554	46.360
9)	A Endosulfan I	6.117	5.267	248.4E6	253.9E6	50.734	49.092
10)	B gamma-Chl...	5.988	5.147	269.1E6	276.3E6	50.242	46.395
11)	B alpha-Chl...	6.069	5.211	264.3E6	270.4E6	50.842	45.808
12)	B 4,4'-DDE	6.238	5.397	264.8E6	282.6E6	51.727	47.347
13)	MA Dieldrin	6.390	5.532	249.9E6	286.2E6	50.704	46.515
14)	MA Endrin	6.617	5.807	189.2E6	241.1E6	49.394	45.252
15)	B Endosulfa...	6.829	6.097	208.1E6	251.8E6	49.928	45.987
16)	A 4,4'-DDD	6.747	5.948	194.9E6	243.1E6	50.165	47.267
17)	MA 4,4'-DDT	7.062	6.202	185.4E6	233.3E6	51.545	46.490
18)	B Endrin al...	6.958	6.275	150.6E6	182.0E6	51.306	47.545
19)	B Endosulfa...	7.192	6.498	186.7E6	231.0E6	50.876	46.458
20)	A Methoxychlor	7.533	6.772	85498002	124.8E6	50.709	46.135
21)	B Endrin ke...	7.673	7.004	192.8E6	281.7E6	51.474	47.940
22)	Mirex	8.155	7.199	153.0E6	201.6E6	50.257	46.760

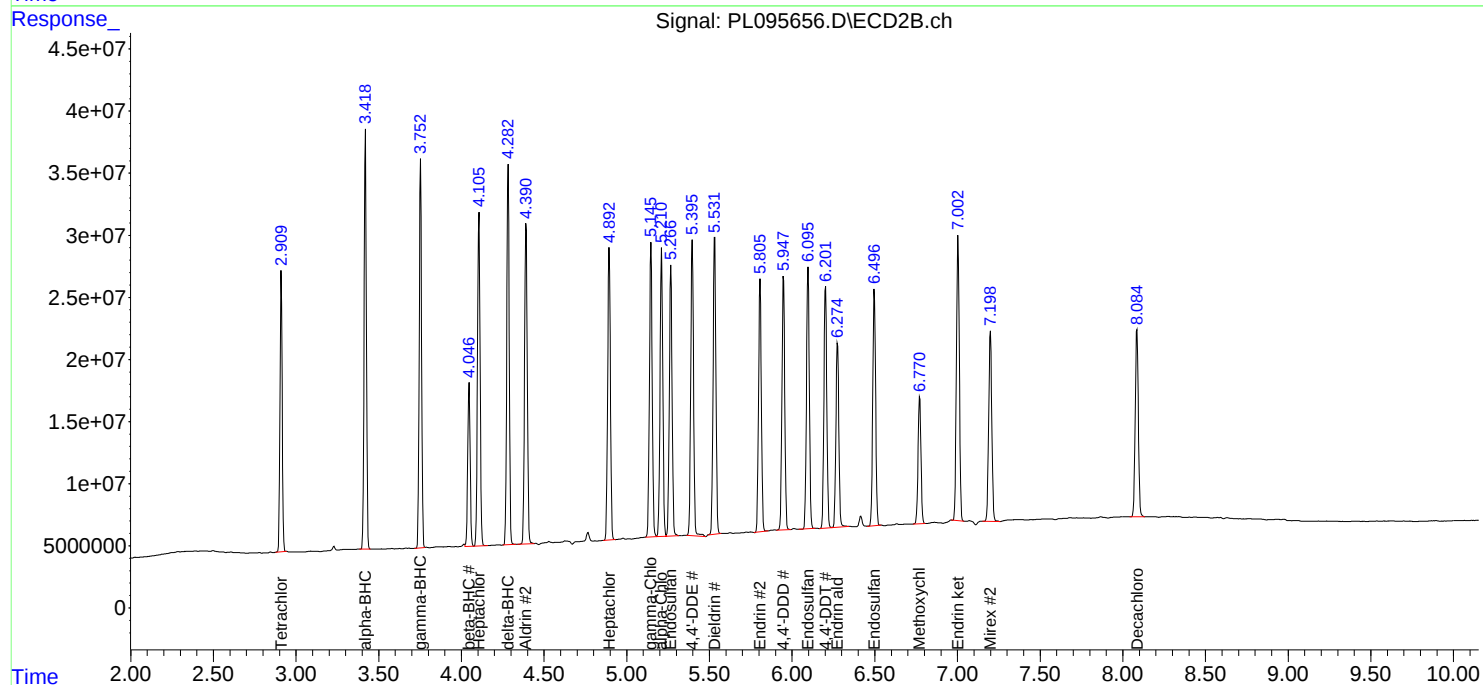
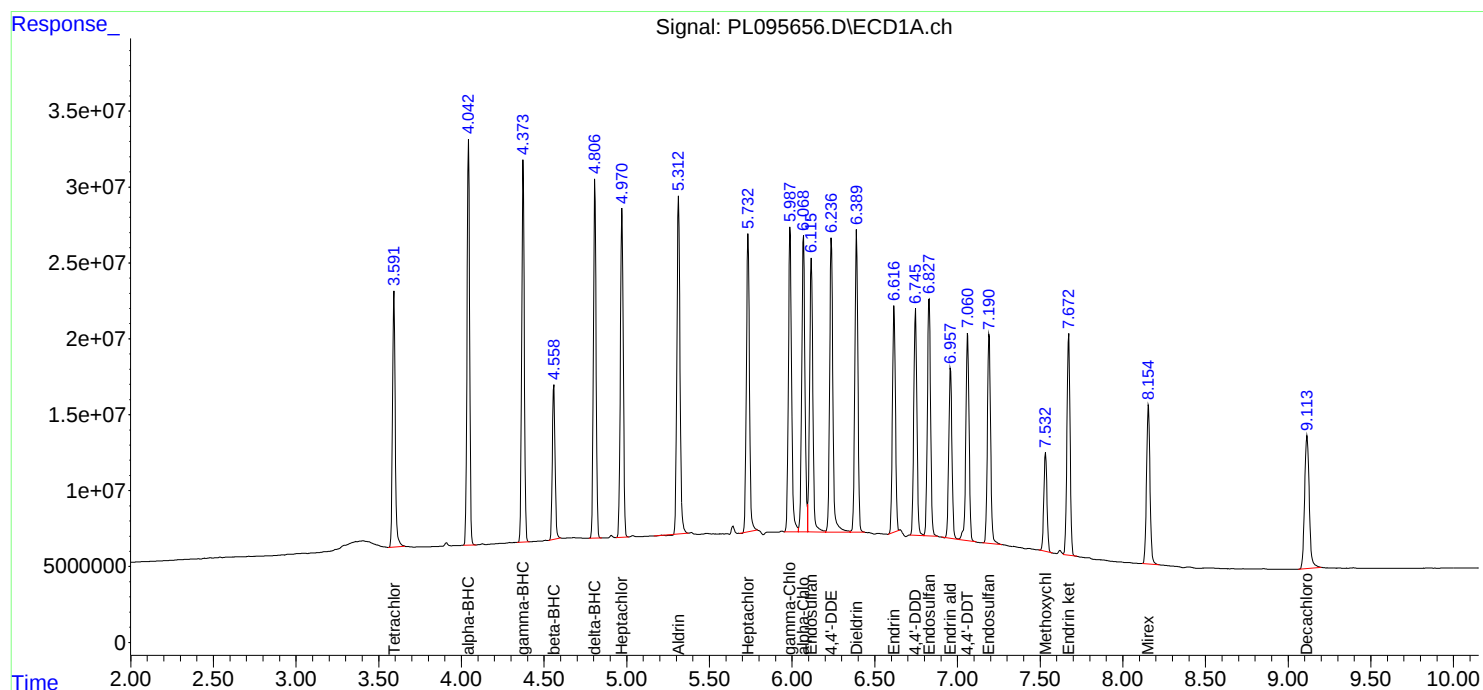
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 12:00
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:08:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 16:26 Initial Calibration Time(s): 12:24 13:18

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.11	9.12	9.02	9.22	0.01
Tetrachloro-m-xylene	3.59	3.59	3.49	3.69	0.00
gamma-BHC (Lindane)	4.37	4.38	4.28	4.48	0.01
Heptachlor	4.97	4.97	4.87	5.07	0.00
Heptachlor epoxide	5.73	5.74	5.64	5.84	0.01
Endrin	6.62	6.62	6.52	6.72	0.00
Methoxychlor	7.53	7.53	7.43	7.63	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/13/2025 05/13/2025

Continuing Calib Time: 16:26 Initial Calibration Time(s): 12:24 13:18

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.01
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.10	4.11	4.01	4.21	0.01
Heptachlor epoxide	4.89	4.90	4.80	5.00	0.01
Endrin	5.80	5.81	5.71	5.91	0.01
Methoxychlor	6.77	6.77	6.67	6.87	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No.: CCAL02 Date Analyzed: 05/14/2025

Lab Sample No.: PSTDCCC050 Data File : PL095667.D Time Analyzed: 16:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.112	9.015	9.215	49.600	50.000	-0.8
Endrin	6.617	6.519	6.719	48.320	50.000	-3.4
gamma-BHC (Lindane)	4.373	4.275	4.475	50.670	50.000	1.3
Heptachlor	4.970	4.872	5.072	49.670	50.000	-0.7
Heptachlor epoxide	5.733	5.635	5.835	49.410	50.000	-1.2
Methoxychlor	7.532	7.434	7.634	48.030	50.000	-3.9
Tetrachloro-m-xylene	3.592	3.493	3.693	49.560	50.000	-0.9



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

CALIBRATION VERIFICATION SUMMARY
Contract: ENTA05
Lab Code: CHEM **Case No.:** Q2001 **SAS No.:** Q2001 **SDG NO.:** Q2001
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/13/2025 05/13/2025
Client Sample No.: CCAL02 **Date Analyzed:** 05/14/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095667.D **Time Analyzed:** 16:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.080	7.987	8.187	46.030	50.000	-7.9
Endrin	5.801	5.708	5.908	43.950	50.000	-12.1
gamma-BHC (Lindane)	3.748	3.653	3.853	46.390	50.000	-7.2
Heptachlor	4.101	4.007	4.207	44.550	50.000	-10.9
Heptachlor epoxide	4.889	4.795	4.995	46.010	50.000	-8.0
Methoxychlor	6.767	6.673	6.873	42.910	50.000	-14.2
Tetrachloro-m-xylene	2.905	2.810	3.010	45.950	50.000	-8.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
 Data File : PL095667.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 16:26
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:10:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.592	2.905	202.5E6	215.2E6	49.558	45.949
28)	SA Decachlor...	9.112	8.080	168.3E6	189.9E6	49.602	46.031
Target Compounds							
2)	A alpha-BHC	4.042	3.415	298.8E6	333.7E6	51.075	46.663
3)	MA gamma-BHC...	4.373	3.748	282.1E6	313.3E6	50.674	46.395
4)	MA Heptachlor	4.970	4.101	270.5E6	290.6E6	49.666	44.547
5)	MB Aldrin	5.312	4.386	292.9E6	293.0E6	51.000	45.935
6)	B beta-BHC	4.559	4.042	121.4E6	135.1E6	49.586	44.777
7)	B delta-BHC	4.807	4.277	272.2E6	314.6E6	50.094	46.215
8)	B Heptachlo...	5.733	4.889	256.0E6	265.9E6	49.410	46.007
9)	A Endosulfan I	6.116	5.261	252.2E6	247.4E6	51.524	47.829
10)	B gamma-Chl...	5.987	5.141	272.3E6	274.0E6	50.846	45.998
11)	B alpha-Chl...	6.068	5.205	268.1E6	268.2E6	51.574	45.446
12)	B 4,4'-DDE	6.237	5.390	268.2E6	276.6E6	52.397	46.350m
13)	MA Dieldrin	6.389	5.526	253.8E6	286.5E6	51.499	46.572
14)	MA Endrin	6.617	5.801	185.1E6	234.1E6	48.324	43.949
15)	B Endosulfa...	6.828	6.091	209.8E6	249.7E6	50.330	45.592
16)	A 4,4'-DDD	6.746	5.943	199.5E6	245.3E6	51.346	47.700
17)	MA 4,4'-DDT	7.061	6.197	178.5E6	221.3E6	49.612	44.087
18)	B Endrin al...	6.957	6.270	150.4E6	180.0E6	51.230	47.016
19)	B Endosulfa...	7.190	6.493	188.8E6	227.5E6	51.438	45.768
20)	A Methoxychlor	7.532	6.767	80986407	116.1E6	48.034	42.907
21)	B Endrin ke...	7.672	6.999	196.0E6	278.8E6	52.323	47.435
22)	Mirex	8.154	7.194	153.3E6	195.6E6	50.356	45.368

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 16:26
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

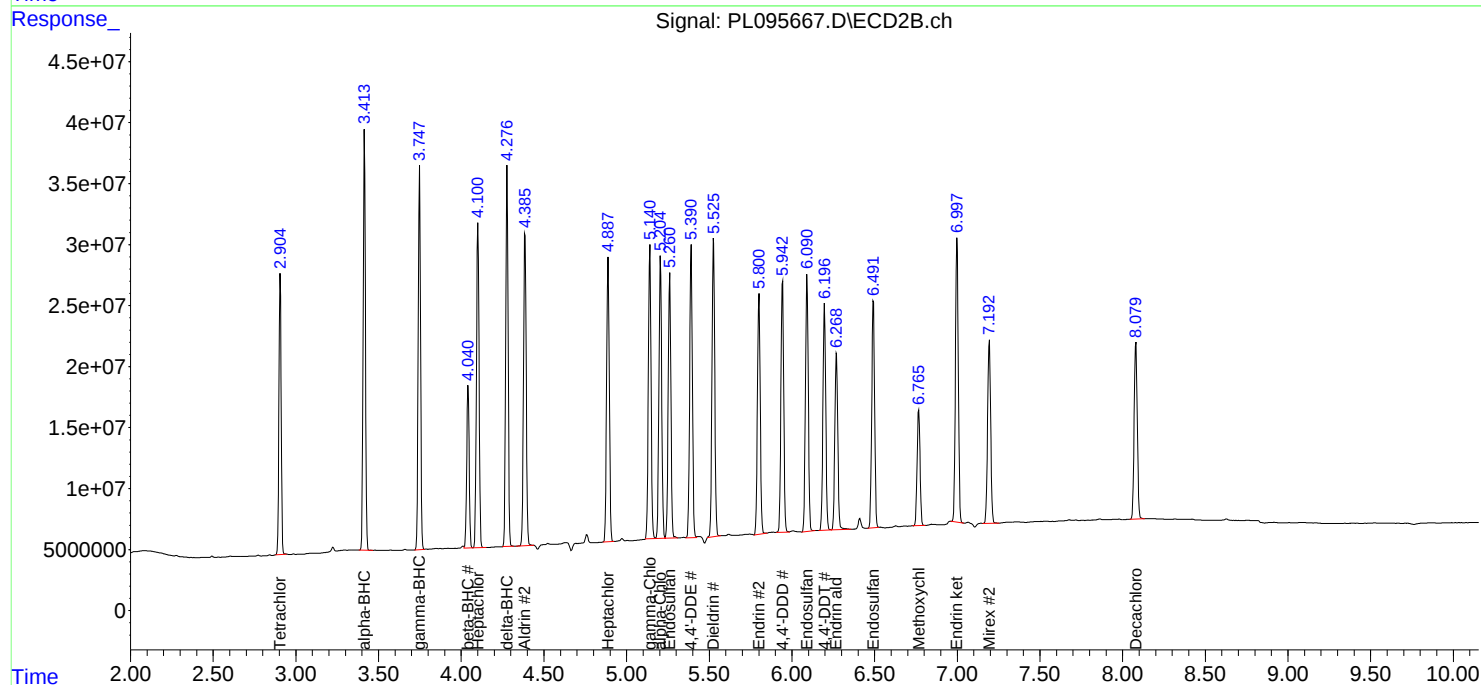
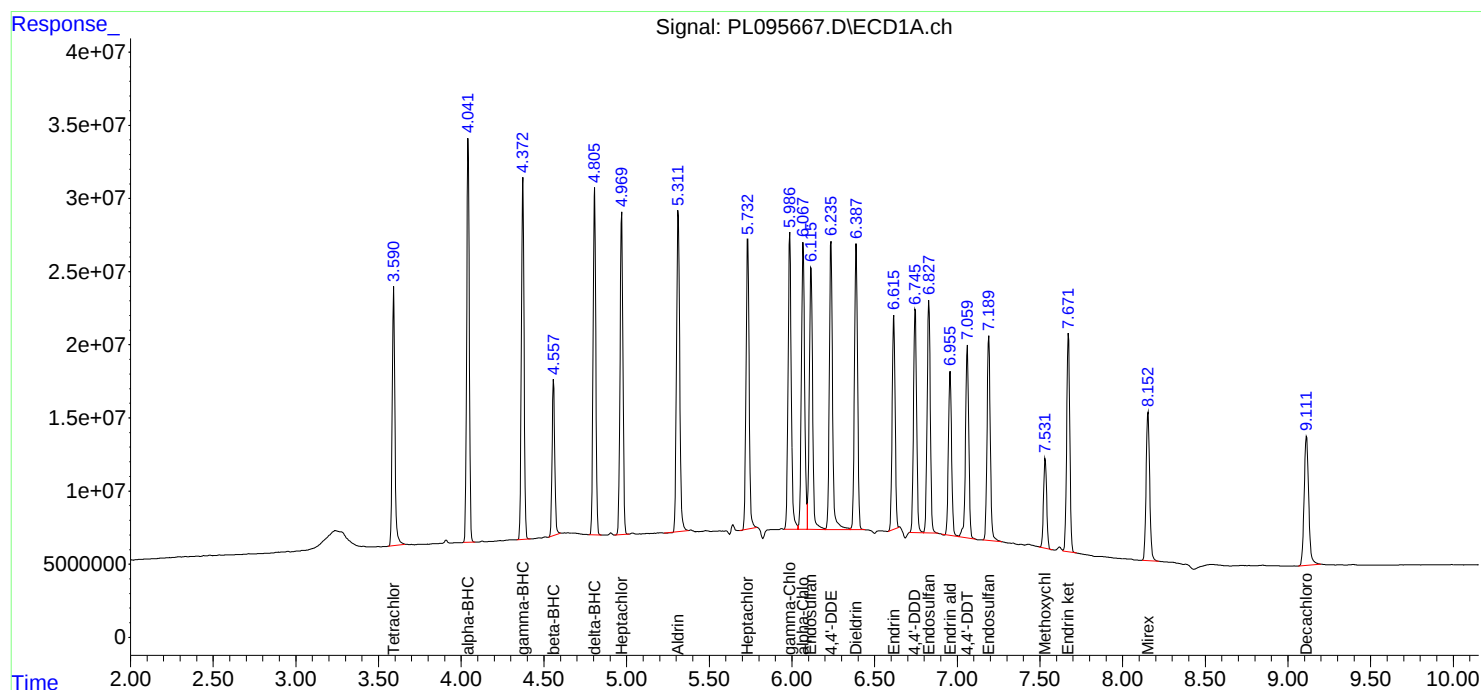
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:10:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095631.D Date Analyzed: 05/13/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:57

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.117	9.020	9.220	19.270	20.000	-3.7
Tetrachloro-m-xylene	3.594	3.540	3.640	16.870	20.000	-15.7
alpha-BHC	4.045	3.990	4.100	8.140	10.000	-18.6
beta-BHC	4.561	4.510	4.610	8.500	10.000	-15.0
gamma-BHC (Lindane)	4.375	4.320	4.430	8.330	10.000	-16.7
Endrin	6.620	6.550	6.690	44.190	50.000	-11.6
4,4'-DDT	7.065	6.990	7.140	87.910	100.000	-12.1
Methoxychlor	7.536	7.470	7.610	209.800	250.000	-16.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095631.D Date Analyzed: 05/13/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:57

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.089	7.990	8.190	19.320	20.000	-3.4
Tetrachloro-m-xylene	2.912	2.860	2.960	17.150	20.000	-14.3
alpha-BHC	3.422	3.370	3.470	8.550	10.000	-14.5
beta-BHC	4.048	4.000	4.100	9.000	10.000	-10.0
gamma-BHC (Lindane)	3.755	3.700	3.810	8.650	10.000	-13.5
Endrin	5.809	5.740	5.880	42.850	50.000	-14.3
4,4'-DDT	6.205	6.130	6.280	85.300	100.000	-14.7
Methoxychlor	6.775	6.700	6.850	184.890	250.000	-26.0

PEM
 Data File: PL095631.D Date Acquired 5/13/2025 11:57
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.62	169276707.1	175185553.8	5908846.68	3.37
Endrin aldehyde	6.96	1198249.787			
Endrin ketone	7.67	4710596.889			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.81	228278060.3	240319143.4	12041083.1	5.01
Endrin aldehyde #2	6.28	3215903.047			
Endrin ketone #2	7.01	8825180.015			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.06	316299862.1	323569511.2	7269649.1	2.25
4,4'-DDE	0.00	0			
4,4'-DDD	6.75	7269649.103			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.21	428093860.5	438740614.5	10646754	2.43
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.95	10646754.04			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
 Data File : PL095631.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 11:57
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 14:42:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.594	2.912	68936544	80326694	16.871	17.149
28) SA Decachlor...	9.117	8.089	65359703	79699571	19.266	19.322
Target Compounds						
2) A alpha-BHC	4.045	3.422	47613044	61161769	8.137	8.552
3) MA gamma-BHC...	4.375	3.755	46359633	58397027	8.329	8.648
6) B beta-BHC	4.561	4.048	20818222	27156433	8.500	9.001
14) MA Endrin	6.620	5.809	169.3E6	228.3E6	44.191	42.848
16) A 4,4'-DDD	6.748	5.950	7269649	10646754	1.871m	2.070m
17) MA 4,4'-DDT	7.065	6.205	316.3E6	428.1E6	87.914	85.297
18) B Endrin al...	6.958	6.277	1198250	3215903	0.408m	0.840m#
20) A Methoxychlor	7.536	6.775	353.7E6	500.3E6	209.798	184.889
21) B Endrin ke...	7.673	7.005	4710597	8825180	1.257m	1.502m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095631.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

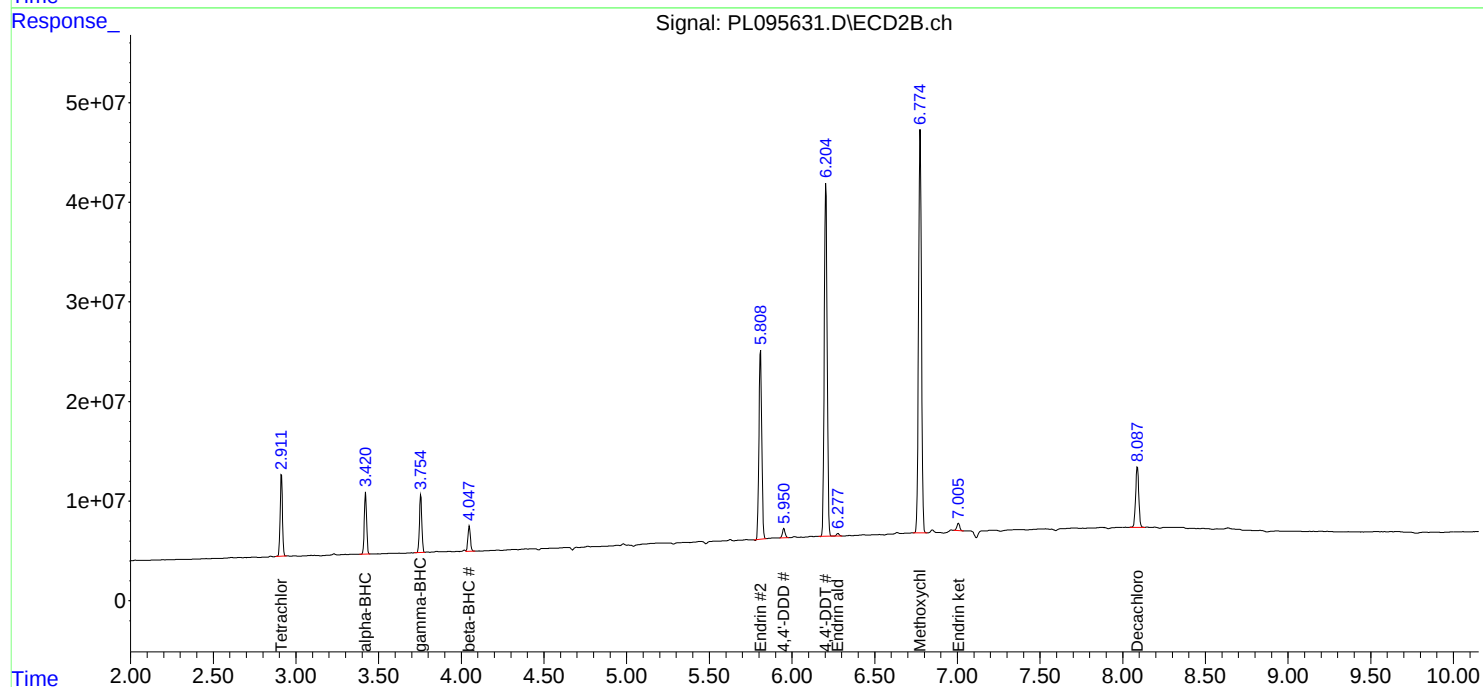
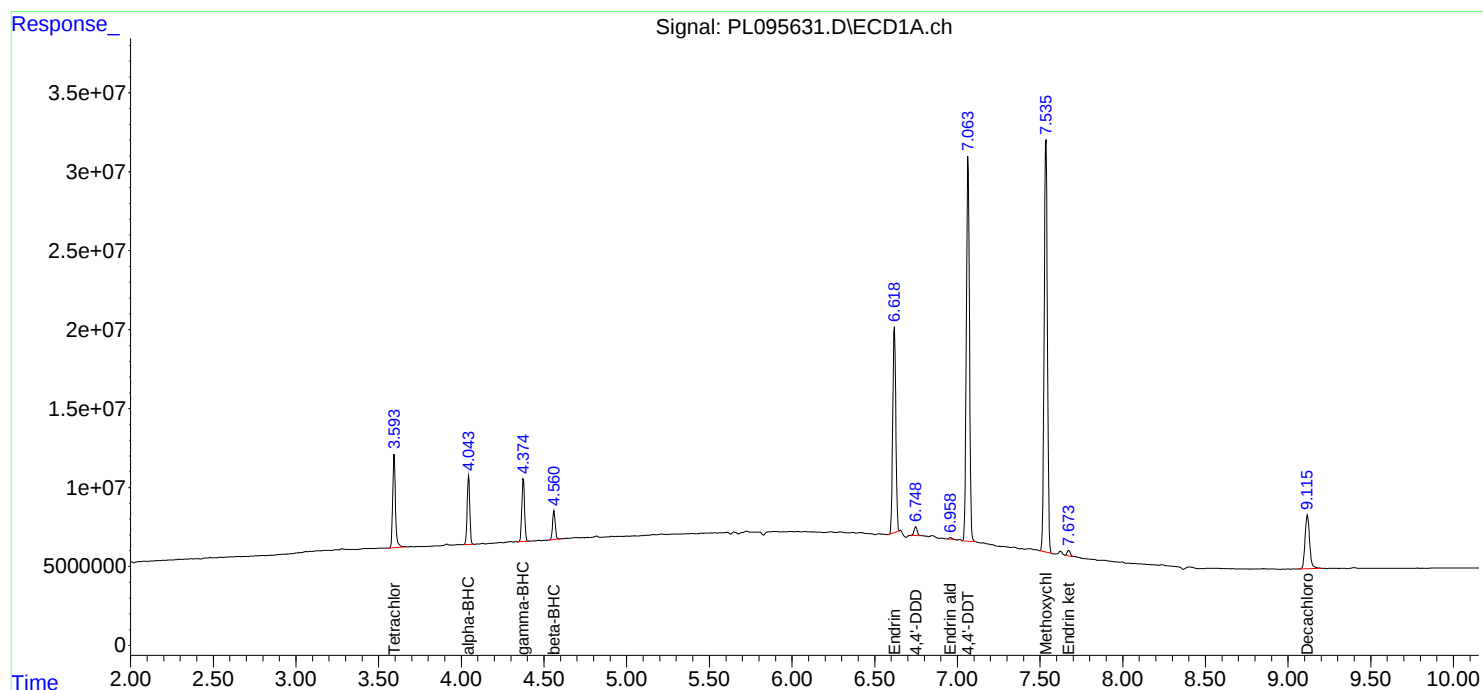
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/15/2025
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 14:42:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095655.D Date Analyzed: 05/14/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:47

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.115	9.010	9.220	23.100	20.000	15.5
Tetrachloro-m-xylene	3.592	3.540	3.640	20.810	20.000	4.1
alpha-BHC	4.043	3.990	4.090	10.350	10.000	3.5
beta-BHC	4.559	4.510	4.610	10.580	10.000	5.8
gamma-BHC (Lindane)	4.374	4.320	4.420	10.600	10.000	6.0
Endrin	6.618	6.550	6.690	54.160	50.000	8.3
4,4'-DDT	7.063	6.990	7.130	107.970	100.000	8.0
Methoxychlor	7.535	7.460	7.610	251.070	250.000	0.4

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/13/2025 05/13/2025

Client Sample No. (PEM): PEM - PL095655.D Date Analyzed: 05/14/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:47

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.087	7.990	8.190	22.430	20.000	12.2
Tetrachloro-m-xylene	2.910	2.860	2.960	20.660	20.000	3.3
alpha-BHC	3.420	3.370	3.470	10.390	10.000	3.9
beta-BHC	4.047	4.000	4.100	10.820	10.000	8.2
gamma-BHC (Lindane)	3.753	3.700	3.800	10.550	10.000	5.5
Endrin	5.808	5.740	5.880	50.460	50.000	0.9
4,4'-DDT	6.203	6.130	6.270	98.430	100.000	-1.6
Methoxychlor	6.773	6.700	6.840	209.500	250.000	-16.2

PEM
 Data File: PL095655.D Date Acquired 5/14/2025 11:47
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.62	207453466.2	220645661.1	13192194.9	5.98
Endrin aldehyde	6.96	3277610.627			
Endrin ketone	7.67	9914584.283			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.81	268841578.6	292119400.2	23277821.6	7.97
Endrin aldehyde #2	6.28	5132928.968			
Endrin ketone #2	7.00	18144892.64			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.06	388440750.8	407546261.3	19105510.5	4.69
4,4'-DDE	6.23	1330230.218			
4,4'-DDD	6.75	17775280.23			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.20	493986603.6	518234440.5	24247836.9	4.68
4,4'-DDE #2	5.40	721900.607			
4,4'-DDD #2	5.95	23525936.29			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
 Data File : PL095655.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 11:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/15/2025
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:07:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.592	2.910	85046225	96756241	20.814	20.656
28)	SA Decachlor...	9.115	8.087	78353030	92529545	23.096	22.433
Target Compounds							
2)	A alpha-BHC	4.043	3.420	60556598	74325024	10.350	10.393
3)	MA gamma-BHC...	4.374	3.753	59012898	71215314	10.602	10.546
6)	B beta-BHC	4.559	4.047	25913271	32631860	10.581	10.816
12)	B 4,4'-DDE	6.234	5.399	1330230	721901	0.260m	0.121m#
14)	MA Endrin	6.618	5.808	207.5E6	268.8E6	54.157	50.461
16)	A 4,4'-DDD	6.747	5.949	17775280	23525936	4.575	4.575
17)	MA 4,4'-DDT	7.063	6.203	388.4E6	494.0E6	107.966	98.426
18)	B Endrin al...	6.956	6.276	3277611	5132929	1.116m	1.341
20)	A Methoxychlor	7.535	6.773	423.3E6	566.9E6	251.074	209.496
21)	B Endrin ke...	7.673	7.004	9914584	18144893	2.646	3.088

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 11:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

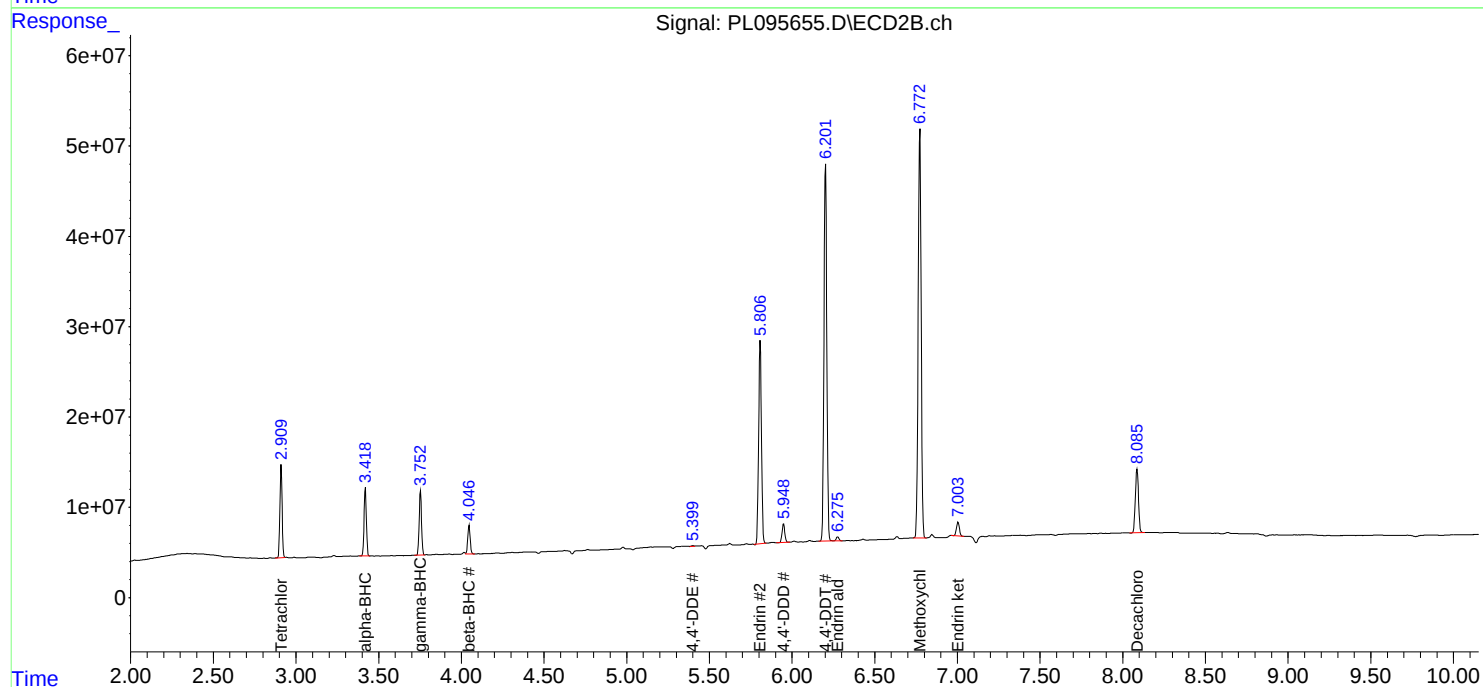
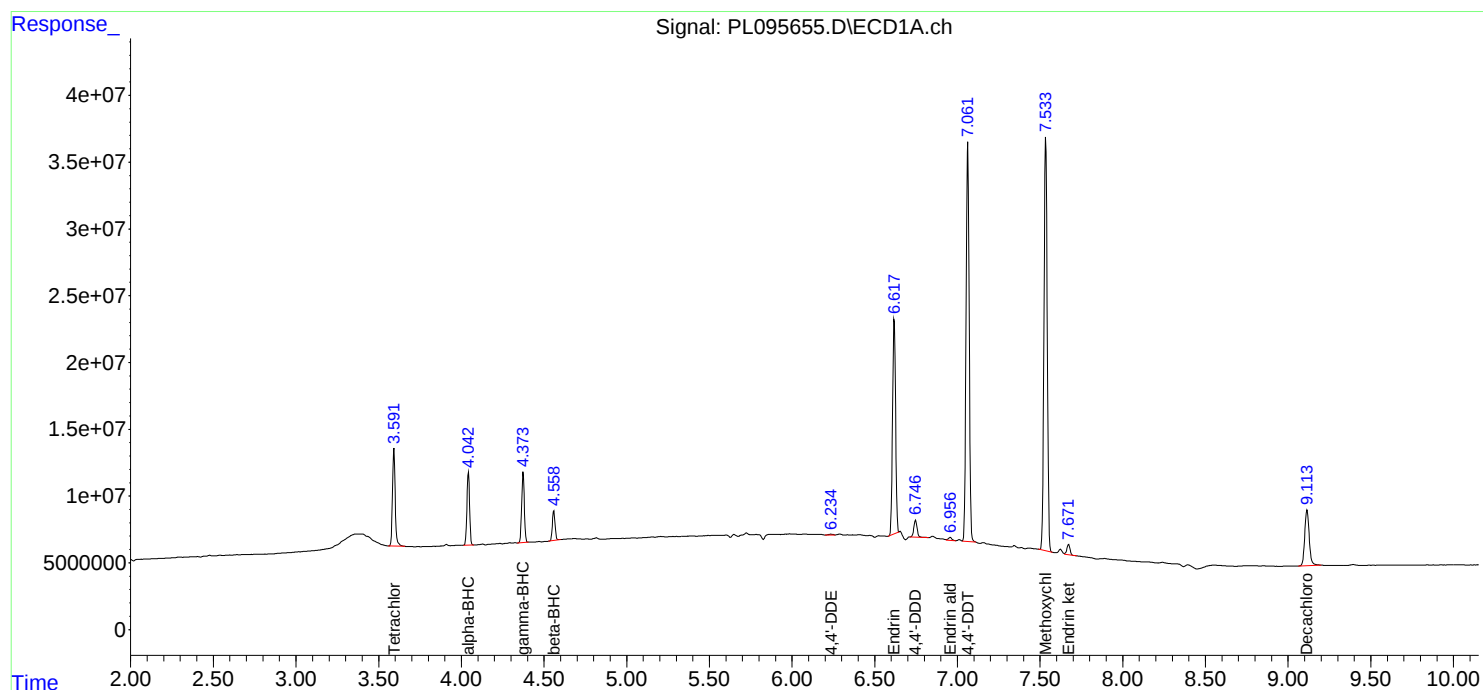
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/15/2025
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:07:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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\PL051325\
Data File : PL095632.D
Acq On : 13 May 2025 12:10
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\PL051325.M
Title : GC Extractables
Last Update : Tue May 13 14:38:57 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.594	5.990	100.00%
5.990	6.119	100.00%
6.119	6.239	100.00%
6.239	6.392	99.57%
6.392	7.194	100.00%
7.194	7.535	100.00%
7.535	7.676	100.00%
7.676	9.117	100.00%

Signal #2

2.912	5.148	100.00%
5.148	5.269	100.00%
5.269	5.399	100.00%
5.399	5.534	100.00%
5.534	6.500	100.00%
6.500	6.775	100.00%
6.775	7.006	100.00%
7.006	8.088	100.00%

PL051325.M Tue May 13 14:50:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
 Data File : PL095632.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 12:10
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 14:42:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.594	2.912	75500405	87556195	18.478	18.692
28)	SA Decachlor...	9.117	8.088	67284056	82319172	19.834	19.957
Target Compounds							
9)	A Endosulfan I	6.119	5.269	41845247	50663802	8.548	9.796
10)	B gamma-Chl...	5.988	5.148	49454639	58845291	9.235m	9.879
12)	B 4,4'-DDE	6.239	5.399	100.8E6	116.0E6	19.698	19.439
13)	MA Dieldrin	6.392	5.534	92012698	120.0E6	18.671	19.503
19)	B Endosulfa...	7.194	6.500	70776634	97100169	19.283	19.530
20)	A Methoxychlor	7.535	6.775	156.7E6	236.1E6	92.949	87.261
21)	B Endrin ke...	7.676	7.006	69242789	110.3E6	18.483	18.763

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 12:10
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

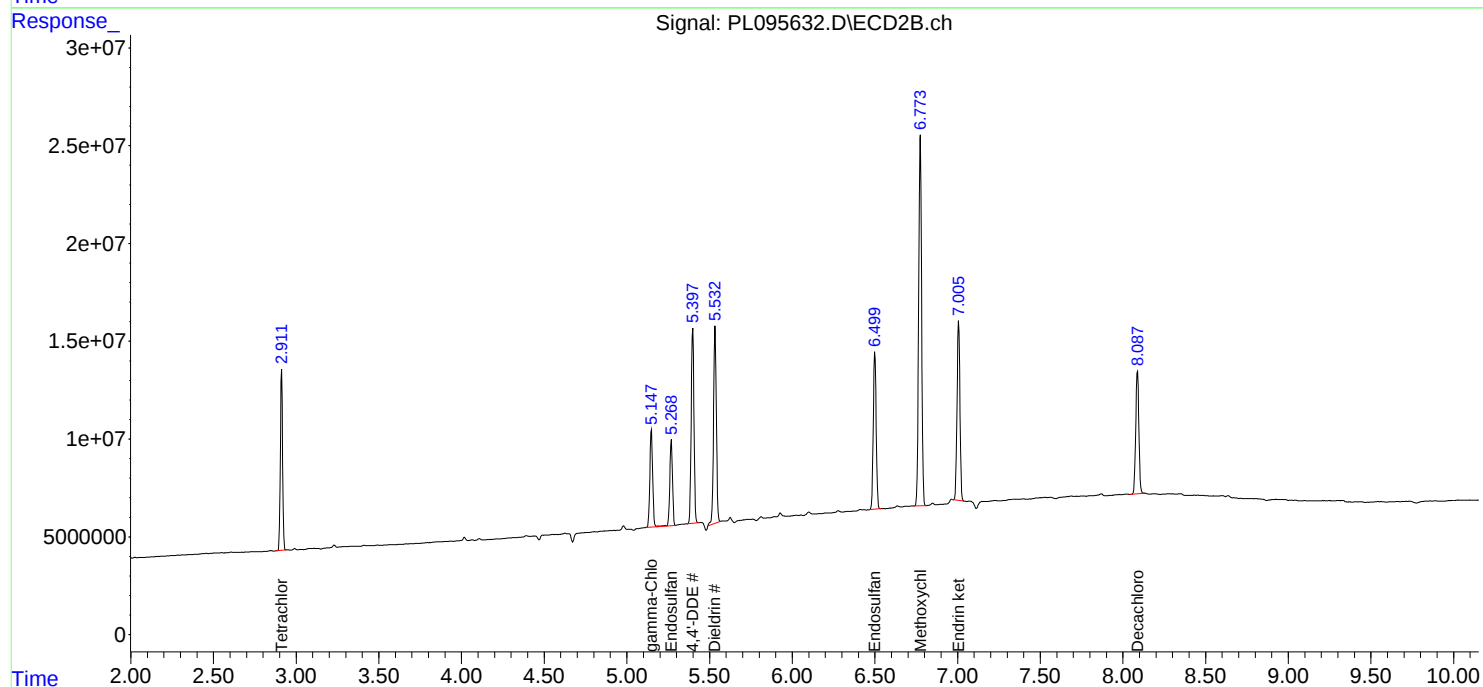
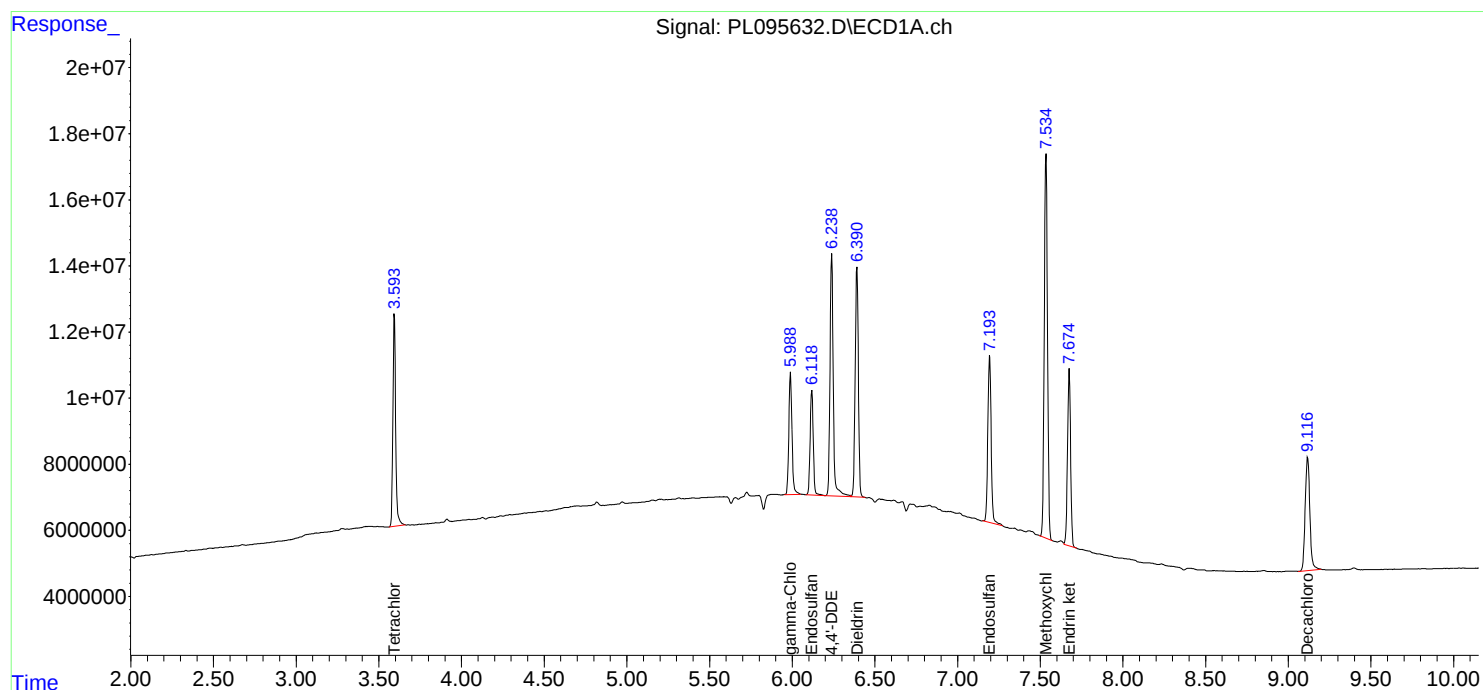
Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/15/2025
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 14:42:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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: ENTACT	SDG No.: Q2001
Project: 540 Degraw St, Brooklyn, NY - E9309	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 05/13/2025 05/13/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/13/2025	11:43	PL095630.D	9.12	3.59
PEM	PEM	05/13/2025	11:57	PL095631.D	9.12	3.59
RESCHK	RESCHK	05/13/2025	12:10	PL095632.D	9.12	3.59
PSTDICCC100	PSTDICCC100	05/13/2025	12:24	PL095633.D	9.12	3.59
PSTDICCC075	PSTDICCC075	05/13/2025	12:38	PL095634.D	9.12	3.59
PSTDICCC050	PSTDICCC050	05/13/2025	12:51	PL095635.D	9.12	3.59
PSTDICCC025	PSTDICCC025	05/13/2025	13:05	PL095636.D	9.12	3.59
PSTDICCC005	PSTDICCC005	05/13/2025	13:18	PL095637.D	9.12	3.59
PCHLORICC500	PCHLORICC500	05/13/2025	13:59	PL095640.D	9.12	3.59
PTOXICC500	PTOXICC500	05/13/2025	15:07	PL095645.D	9.11	3.59
IBLK	IBLK	05/14/2025	11:33	PL095654.D	9.12	3.60
PEM	PEM	05/14/2025	11:47	PL095655.D	9.12	3.59
PSTDCCC050	PSTDCCC050	05/14/2025	12:00	PL095656.D	9.11	3.59
PB167989BL	PB167989BL	05/14/2025	13:36	PL095657.D	9.13	3.60
PB167989BS	PB167989BS	05/14/2025	13:50	PL095658.D	9.12	3.59
PB167963TB	PB167963TB	05/14/2025	14:35	PL095659.D	9.12	3.60
WC-A4-03-C	Q2001-03	05/14/2025	14:49	PL095660.D	9.12	3.59
WC-A4-03-CMS	Q2001-03MS	05/14/2025	15:03	PL095661.D	9.11	3.59
WC-A4-03-CMSD	Q2001-03MSD	05/14/2025	15:17	PL095662.D	9.11	3.59
WC-A1-05-C	Q2001-07	05/14/2025	15:30	PL095663.D	9.11	3.59
WC-A1-06-C	Q2001-11	05/14/2025	15:44	PL095664.D	9.11	3.59
WC-A1-07-C	Q2001-15	05/14/2025	15:58	PL095665.D	9.11	3.59
IBLK	IBLK	05/14/2025	16:12	PL095666.D	9.11	3.59
PSTDCCC050	PSTDCCC050	05/14/2025	16:26	PL095667.D	9.11	3.59

Analytical Sequence

Client: ENTACT

SDG No.: Q2001

Project: 540 Degraw St, Brooklyn, NY - E9309

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/13/2025 05/13/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/13/2025	11:43	PL095630.D	8.09	2.91
PEM	PEM	05/13/2025	11:57	PL095631.D	8.09	2.91
RESCHK	RESCHK	05/13/2025	12:10	PL095632.D	8.09	2.91
PSTDICC100	PSTDICC100	05/13/2025	12:24	PL095633.D	8.09	2.91
PSTDICC075	PSTDICC075	05/13/2025	12:38	PL095634.D	8.09	2.91
PSTDICC050	PSTDICC050	05/13/2025	12:51	PL095635.D	8.09	2.91
PSTDICC025	PSTDICC025	05/13/2025	13:05	PL095636.D	8.09	2.91
PSTDICC005	PSTDICC005	05/13/2025	13:18	PL095637.D	8.09	2.91
PCHLORICC500	PCHLORICC500	05/13/2025	13:59	PL095640.D	8.09	2.91
PTOXICC500	PTOXICC500	05/13/2025	15:07	PL095645.D	8.08	2.91
IBLK	IBLK	05/14/2025	11:33	PL095654.D	8.09	2.91
PEM	PEM	05/14/2025	11:47	PL095655.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/14/2025	12:00	PL095656.D	8.09	2.91
PB167989BL	PB167989BL	05/14/2025	13:36	PL095657.D	8.09	2.91
PB167989BS	PB167989BS	05/14/2025	13:50	PL095658.D	8.09	2.91
PB167963TB	PB167963TB	05/14/2025	14:35	PL095659.D	8.09	2.91
WC-A4-03-C	Q2001-03	05/14/2025	14:49	PL095660.D	8.09	2.91
WC-A4-03-CMS	Q2001-03MS	05/14/2025	15:03	PL095661.D	8.08	2.91
WC-A4-03-CMSD	Q2001-03MSD	05/14/2025	15:17	PL095662.D	8.08	2.91
WC-A1-05-C	Q2001-07	05/14/2025	15:30	PL095663.D	8.08	2.91
WC-A1-06-C	Q2001-11	05/14/2025	15:44	PL095664.D	8.08	2.91
WC-A1-07-C	Q2001-15	05/14/2025	15:58	PL095665.D	8.08	2.91
IBLK	IBLK	05/14/2025	16:12	PL095666.D	8.08	2.90
PSTDCCC050	PSTDCCC050	05/14/2025	16:26	PL095667.D	8.08	2.91

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167989BS

Contract: ENTA05

Lab Code: CHEM

Case No.: Q2001

SAS No.: Q2001

SDG NO.: Q2001

Lab Sample ID: PB167989BS

Date(s) Analyzed: 05/14/2025

05/14/2025

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	7.54	7.49	7.59	0.50	12.7
	2	6.77	6.72	6.82	0.44	
gamma-BHC (Lindane)	1	4.38	4.33	4.43	0.51	8.9
	2	3.75	3.70	3.80	0.47	
Heptachlor	1	4.97	4.92	5.02	0.51	11.5
	2	4.11	4.06	4.16	0.45	
Heptachlor epoxide	1	5.74	5.69	5.79	0.51	7.4
	2	4.89	4.84	4.94	0.47	
Endrin	1	6.62	6.57	6.67	0.51	10.7
	2	5.81	5.76	5.86	0.46	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-A4-03-CMS

Contract: ENTA05

Lab Code: CHEM

Case No.: Q2001

SAS No.: Q2001

SDG NO.: Q2001

Lab Sample ID: Q2001-03MS

Date(s) Analyzed: 05/14/2025

05/14/2025

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	7.53	7.48	7.58	5.50	15.7
	2	6.77	6.72	6.82	4.70	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	5.40	13.9
	2	3.75	3.70	3.80	4.70	
Heptachlor	1	4.97	4.92	5.02	5.20	14.4
	2	4.10	4.05	4.15	4.50	
Heptachlor epoxide	1	5.73	5.68	5.78	5.40	11.8
	2	4.89	4.84	4.94	4.80	
Endrin	1	6.62	6.57	6.67	5.60	11.3
	2	5.80	5.75	5.85	5.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-A4-03-CMSD

Contract: ENTA05

Lab Code: CHEM **Case No.:** Q2001

SAS No.: Q2001 **SDG NO.:** Q2001

Lab Sample ID: Q2001-03MSD

Date(s) Analyzed: 05/14/2025 05/14/2025

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	7.53	7.48	7.58	5.40	16
	2	6.77	6.72	6.82	4.60	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	5.20	12.2
	2	3.75	3.70	3.80	4.60	
Heptachlor	1	4.97	4.92	5.02	5.00	12.8
	2	4.10	4.05	4.15	4.40	
Heptachlor epoxide	1	5.73	5.68	5.78	5.20	10.1
	2	4.89	4.84	4.94	4.70	
Endrin	1	6.62	6.57	6.67	5.50	13.6
	2	5.80	5.75	5.85	4.80	



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB167989BL	SDG No.:	Q2001
Lab Sample ID:	PB167989BL	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
PL095657.D	1	05/13/25 11:40	05/14/25 13:36	PB167989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		30 (43) - 150 (140)	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		30 (77) - 150 (126)	96%	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\PL051425\
 Data File : PL095657.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 13:36
 Operator : AR\AJ
 Sample : PB167989BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167989BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:08:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.598	2.908	78416942	86080331	19.192	18.377
28) SA Decachlor...	9.125	8.088	72602008	83564140	21.401	20.259

Target Compounds

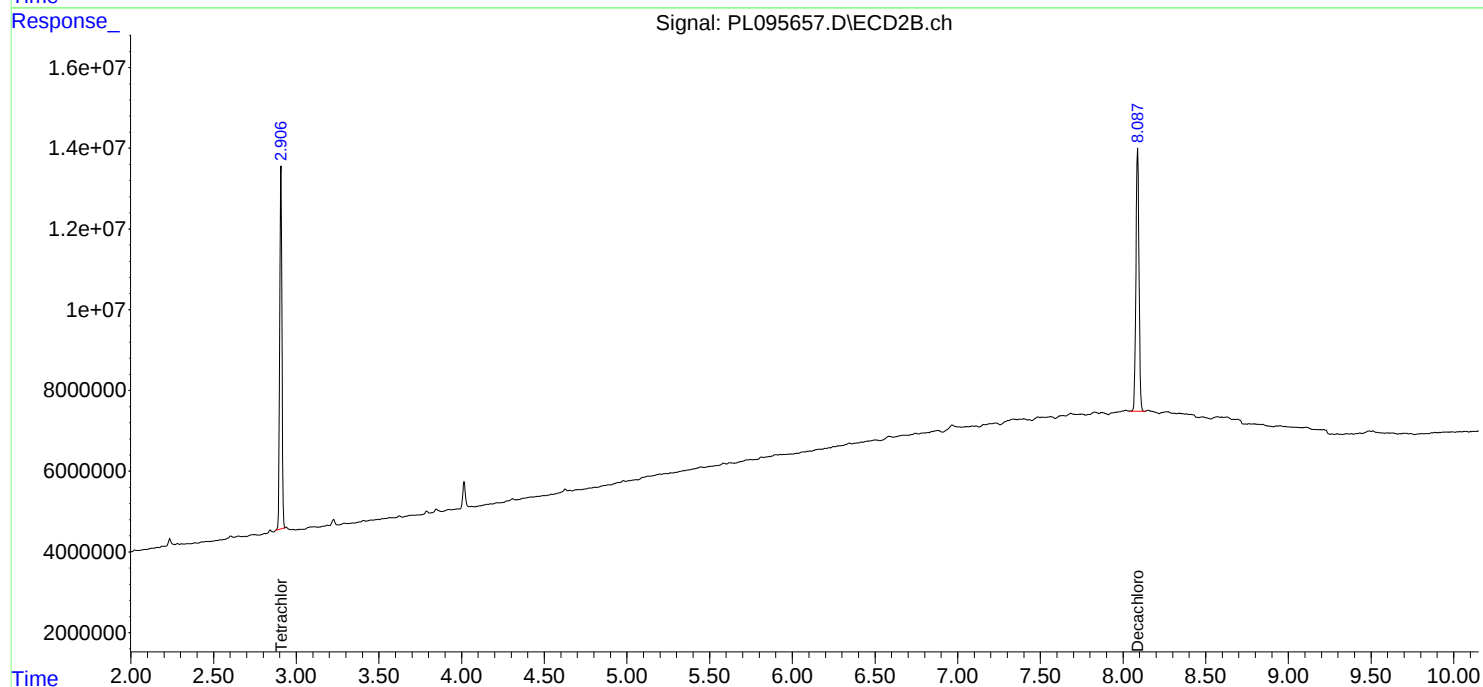
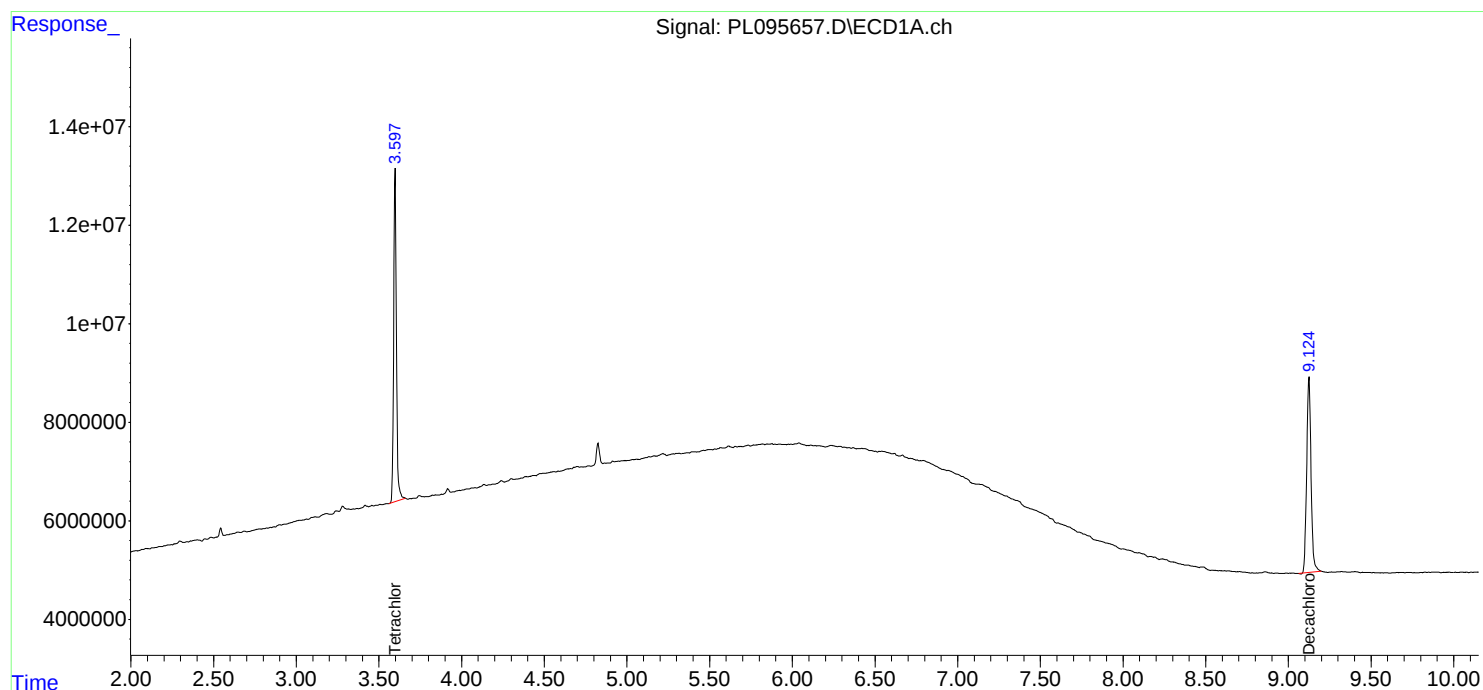
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

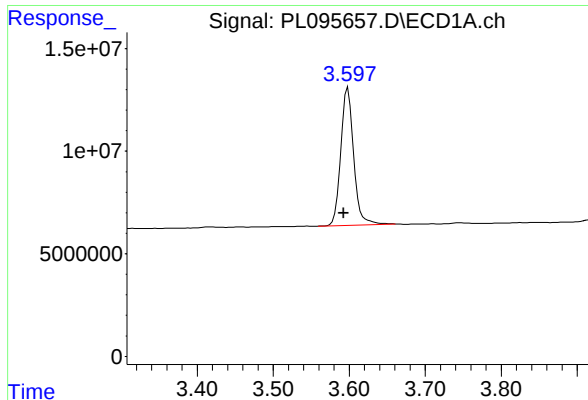
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:36
Operator : AR\AJ
Sample : PB167989BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167989BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:08:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

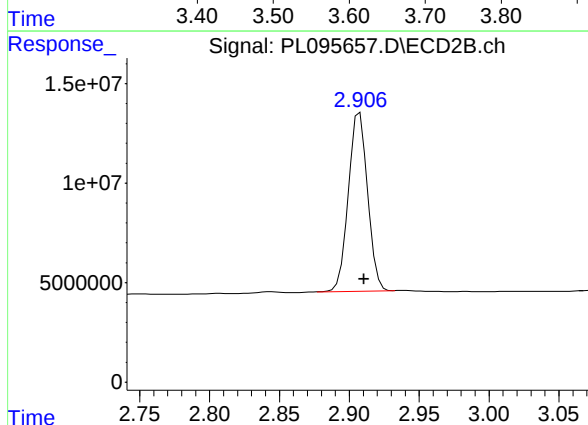




#1 Tetrachloro-m-xylene

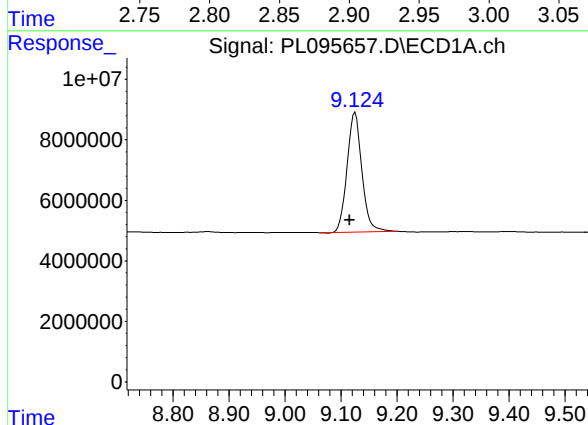
R.T.: 3.598 min
Delta R.T.: 0.005 min
Response: 78416942
Conc: 19.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167989BL



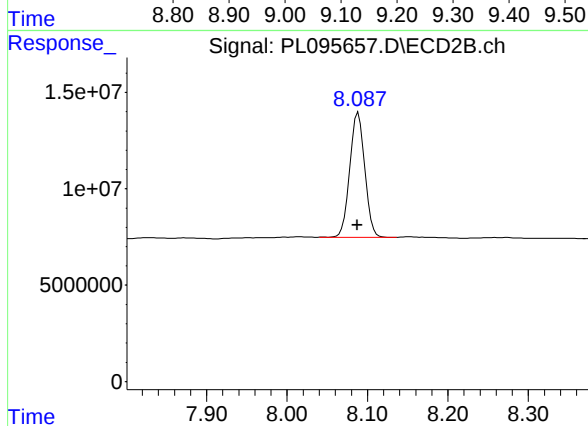
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: -0.003 min
Response: 86080331
Conc: 18.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.125 min
Delta R.T.: 0.010 min
Response: 72602008
Conc: 21.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: 0.001 min
Response: 83564140
Conc: 20.26 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/13/25
Client Sample ID:	PIBLK-PL095630.D	SDG No.:	Q2001
Lab Sample ID:	I.BLK-PL095630.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
PL095630.D	1		05/13/25	pl051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		30 (43) - 150 (140)	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.2		30 (77) - 150 (126)	81%	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\PL051325\
Data File : PL095630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:43
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: May 13 14:41:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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...	3.594	2.911	65069659	75681262	15.925	16.157
28) SA Decachlor...	9.118	8.088	64678160	75992234	19.065	18.424

Target Compounds

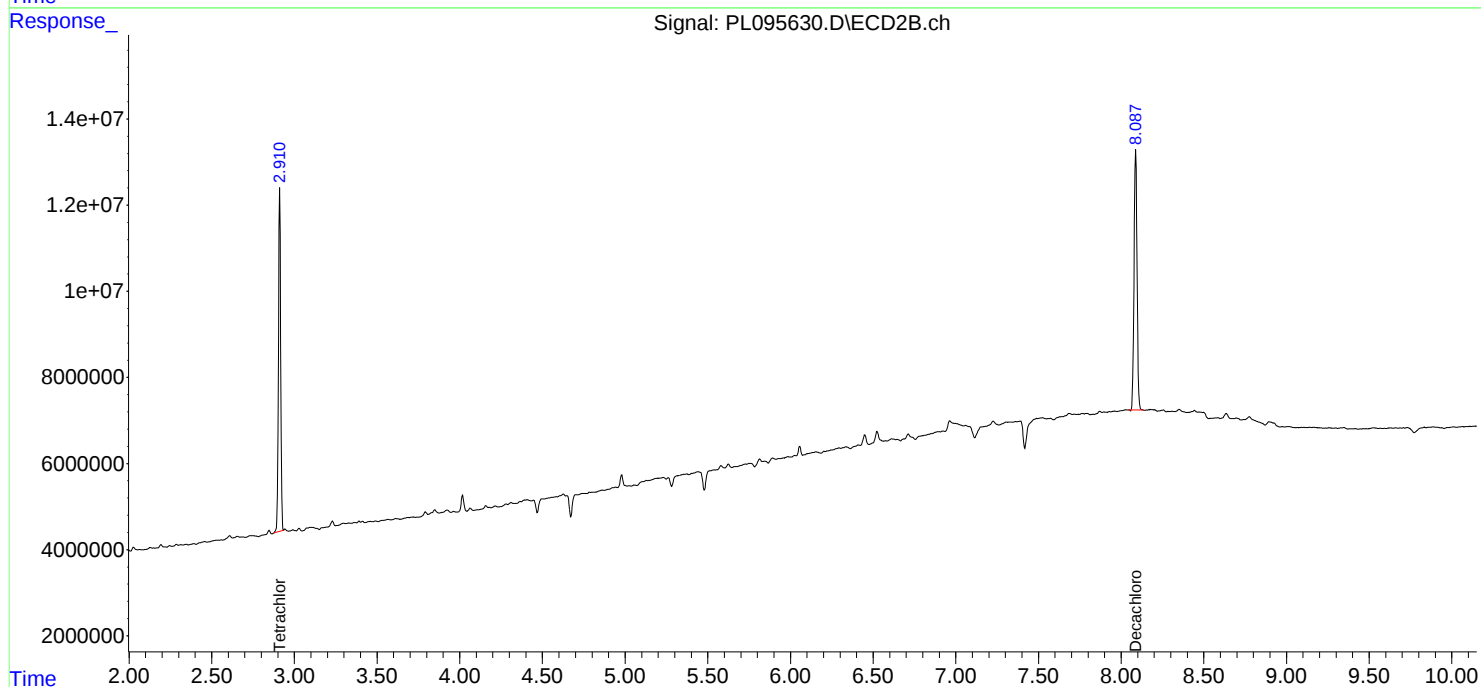
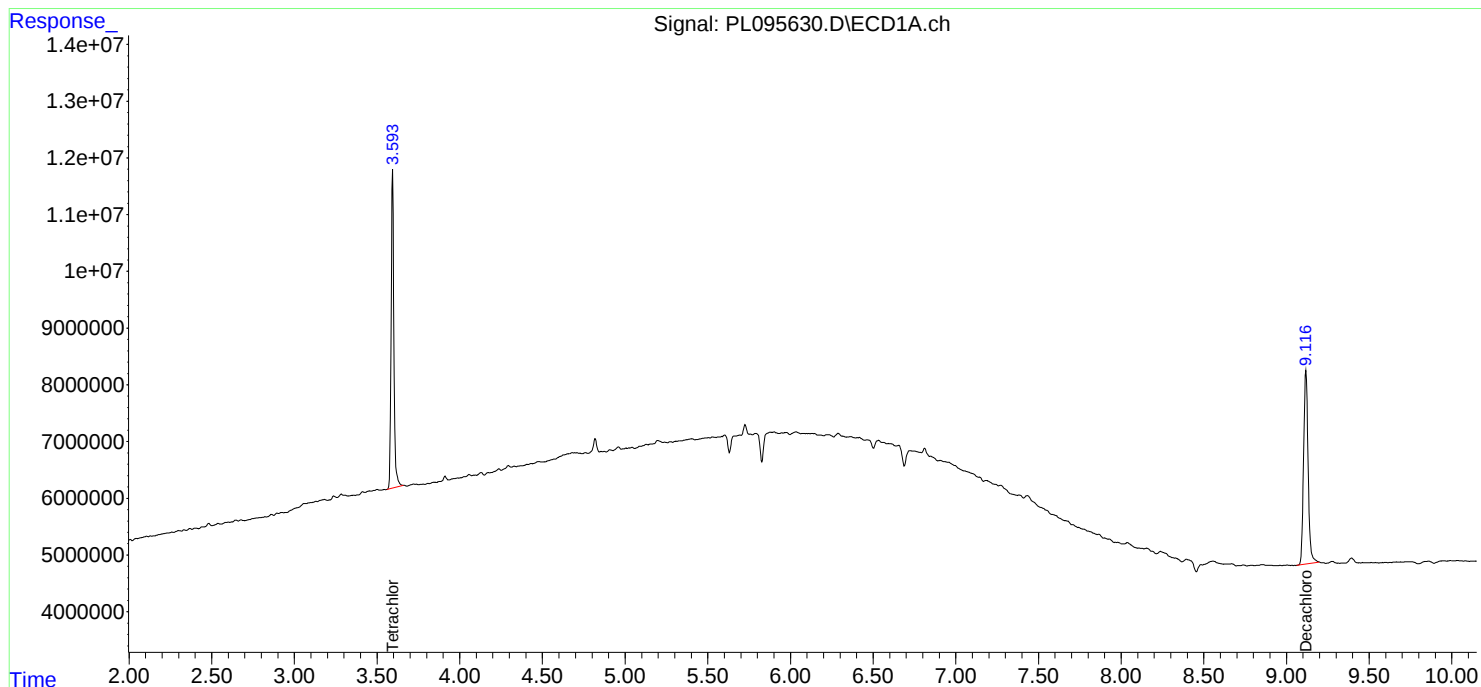
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

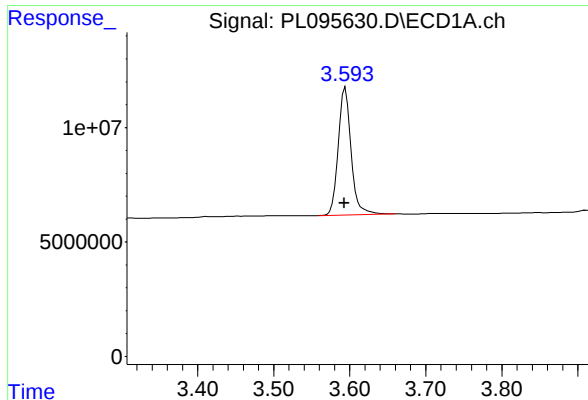
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
Data File : PL095630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 14:41:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

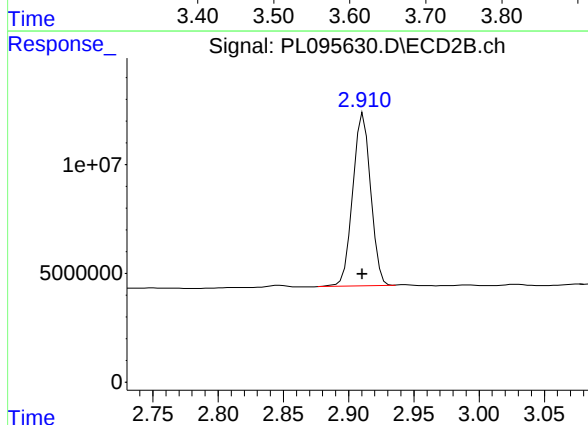




#1 Tetrachloro-m-xylene

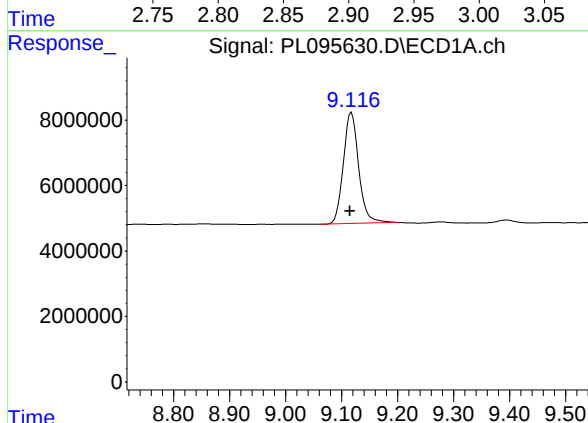
R.T.: 3.594 min
Delta R.T.: 0.001 min
Response: 65069659
Conc: 15.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



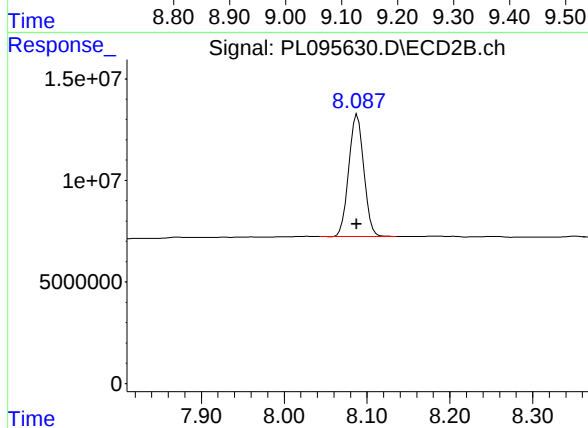
#1 Tetrachloro-m-xylene

R.T.: 2.911 min
Delta R.T.: 0.001 min
Response: 75681262
Conc: 16.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: 0.002 min
Response: 64678160
Conc: 19.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: 0.001 min
Response: 75992234
Conc: 18.42 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/14/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/14/25
Client Sample ID:	PIBLK-PL095654.D	SDG No.:	Q2001
Lab Sample ID:	I.BLK-PL095654.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
PL095654.D	1		05/14/25	pl051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		30 (43) - 150 (140)	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		30 (77) - 150 (126)	96%	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\PL051425\
 Data File : PL095654.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 11:33
 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: May 15 02:07:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.597	2.907	78562546	86532708	19.227	18.474
28) SA Decachlor...	9.121	8.088	72548086	85265999	21.385	20.672

Target Compounds

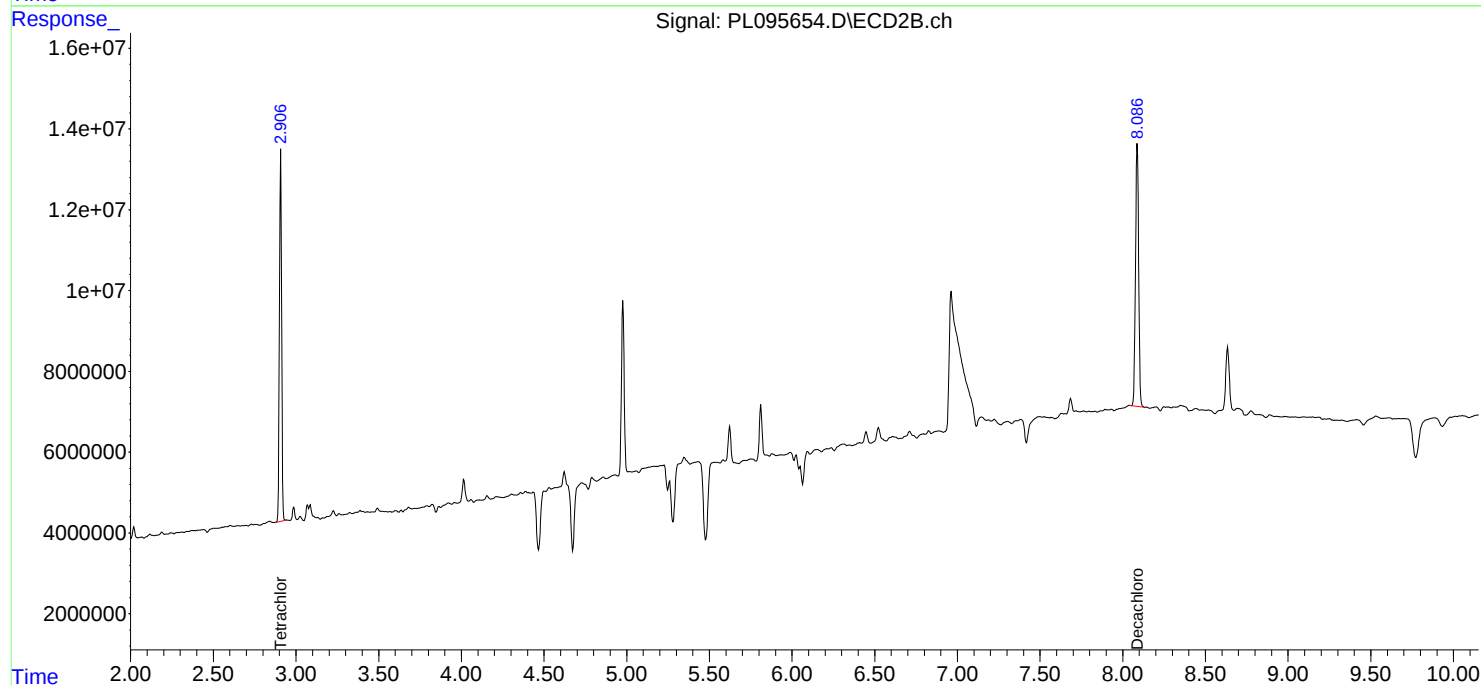
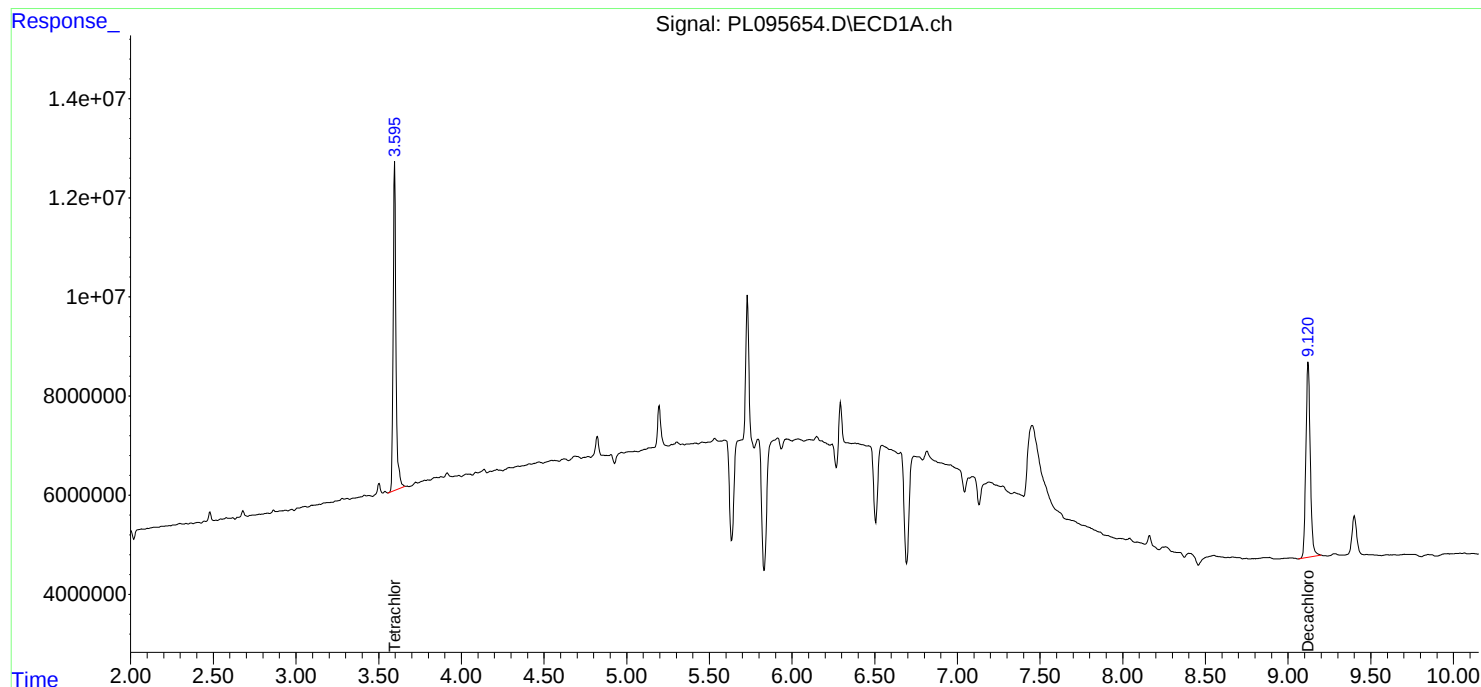
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

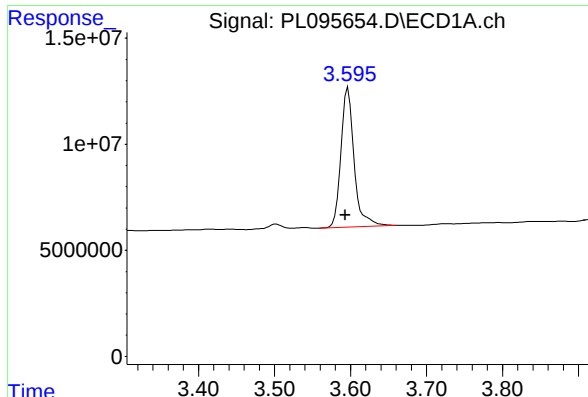
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 11:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:07:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

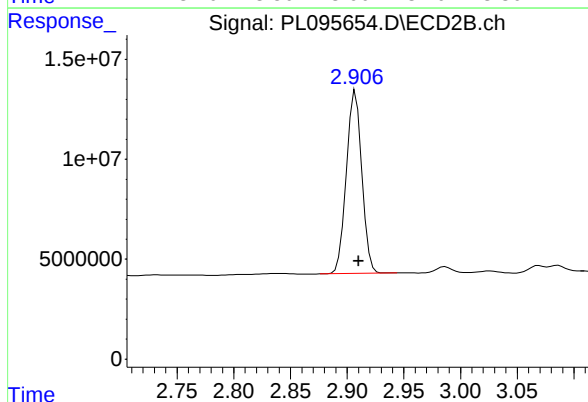




#1 Tetrachloro-m-xylene

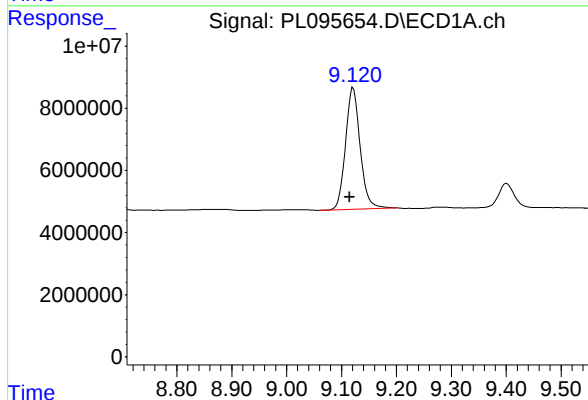
R.T.: 3.597 min
Delta R.T.: 0.004 min
Response: 78562546
Conc: 19.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



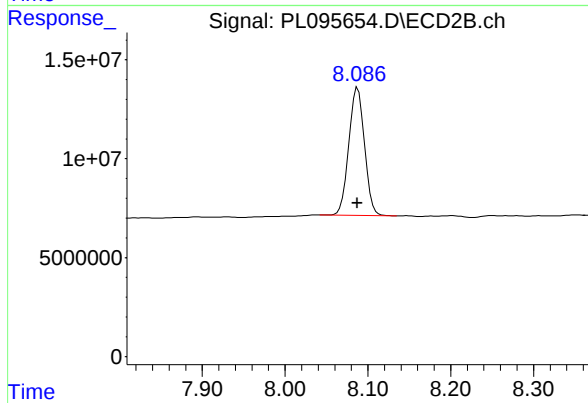
#1 Tetrachloro-m-xylene

R.T.: 2.907 min
Delta R.T.: -0.003 min
Response: 86532708
Conc: 18.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: 0.006 min
Response: 72548086
Conc: 21.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: 0.000 min
Response: 85265999
Conc: 20.67 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/14/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/14/25
Client Sample ID:	PIBLK-PL095666.D	SDG No.:	Q2001
Lab Sample ID:	I.BLK-PL095666.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
PL095666.D	1		05/14/25	pl051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		30 (43) - 150 (140)	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		30 (77) - 150 (126)	92%	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\PL051425\
 Data File : PL095666.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 16:12
 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: May 15 02:10:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.591	2.904	75241911	76318222	18.415	16.293
28) SA Decachlor...	9.112	8.079	69052492	72491640	20.355	17.575

Target Compounds

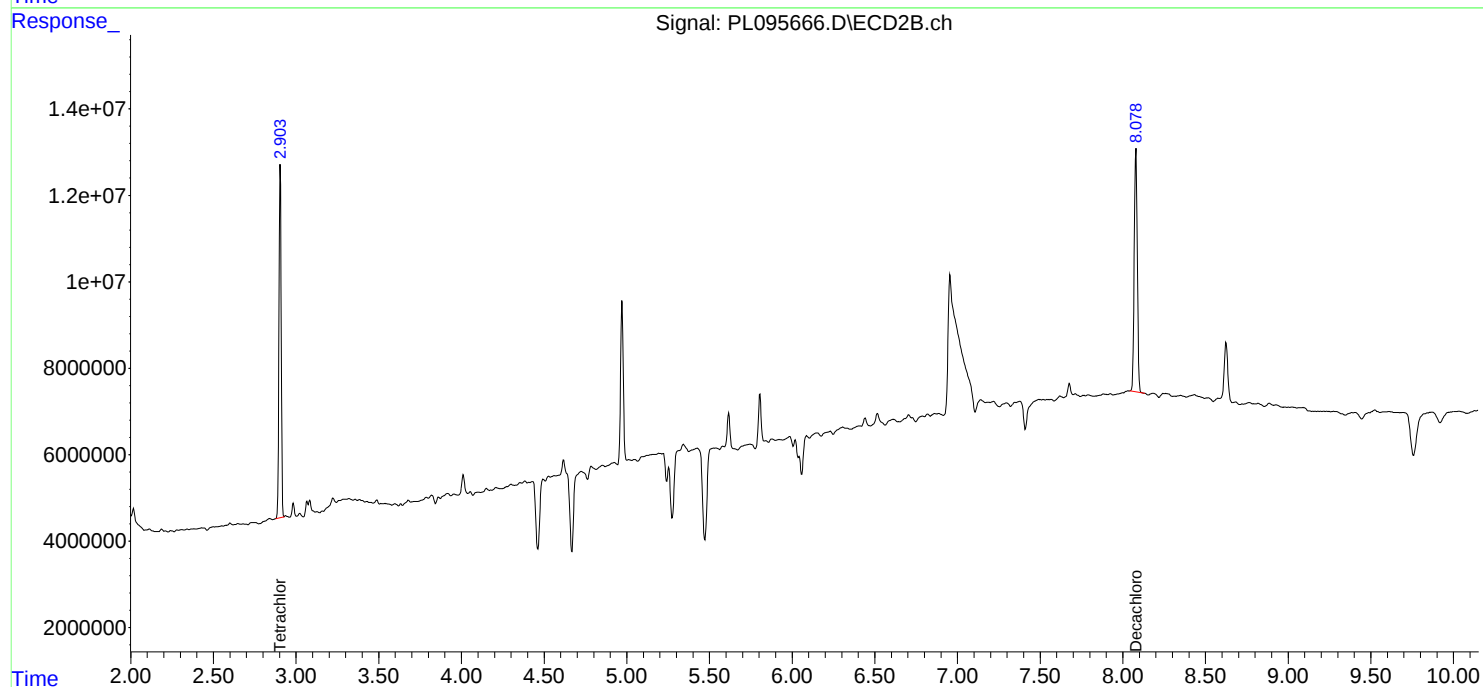
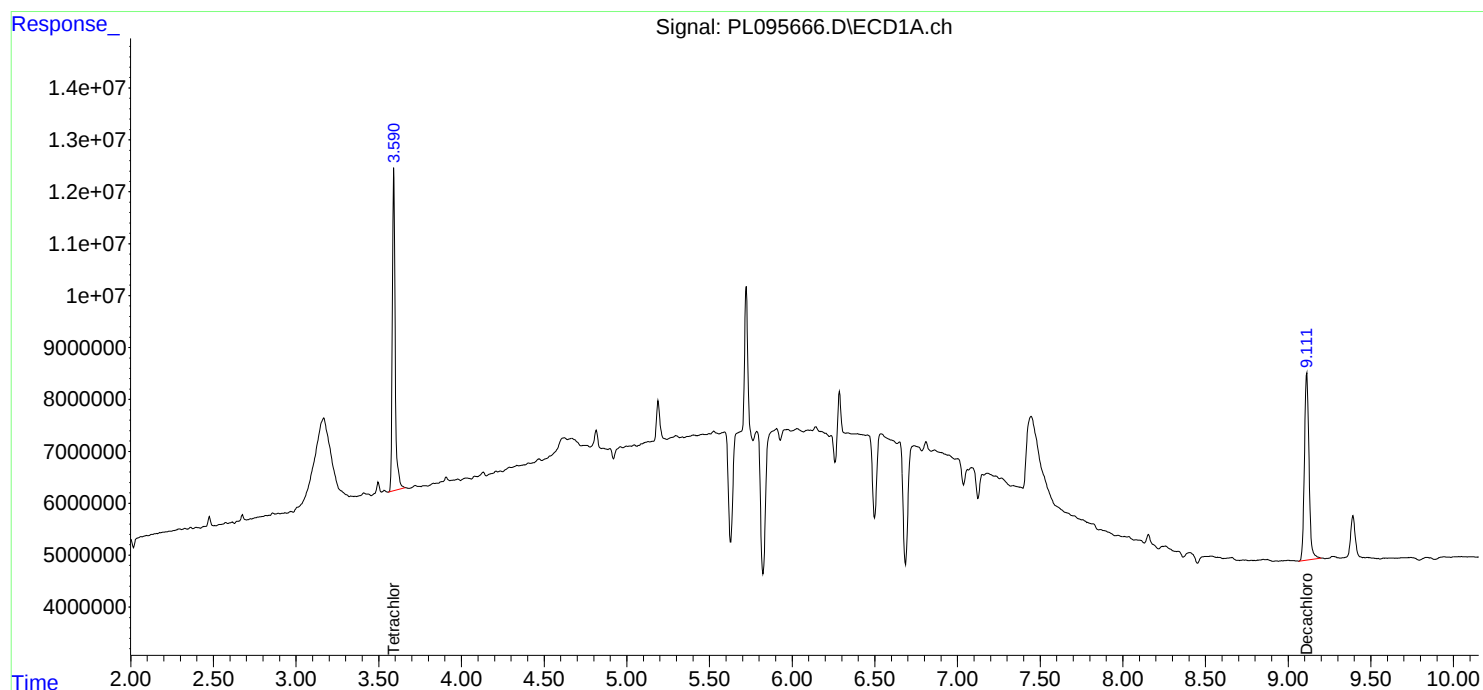
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

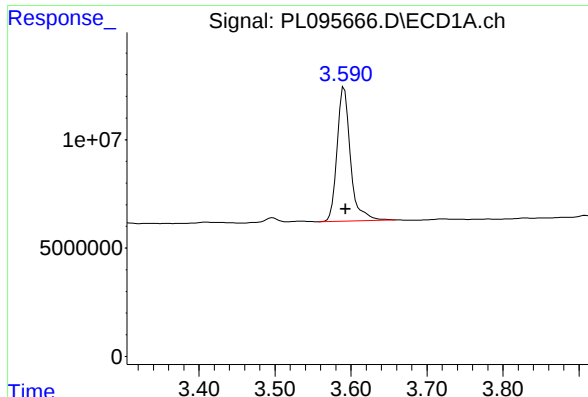
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095666.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 16:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:10:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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

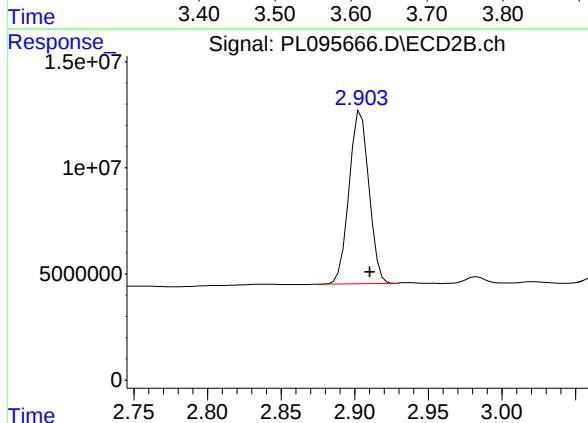




#1 Tetrachloro-m-xylene

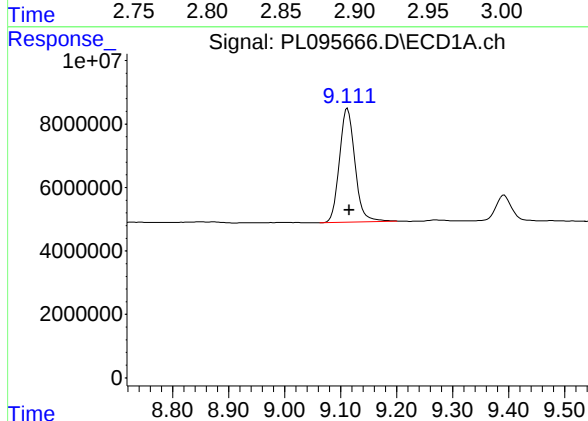
R.T.: 3.591 min
Delta R.T.: -0.002 min
Response: 75241911
Conc: 18.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



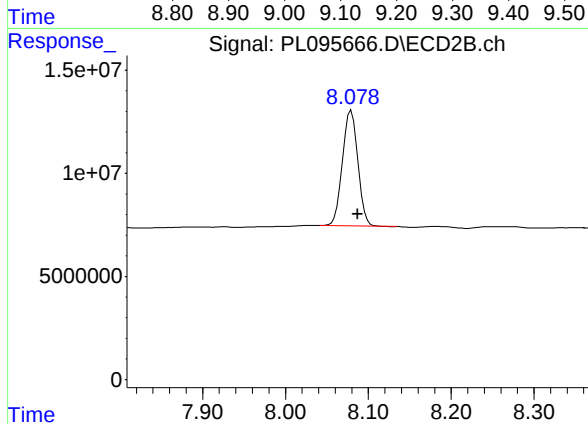
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.006 min
Response: 76318222
Conc: 16.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.112 min
Delta R.T.: -0.003 min
Response: 69052492
Conc: 20.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.079 min
Delta R.T.: -0.008 min
Response: 72491640
Conc: 17.57 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB167989BS	SDG No.:	Q2001
Lab Sample ID:	PB167989BS	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
PL095658.D	1	05/13/25 11:40	05/14/25 13:50	PB167989

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	0.51		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.51		0.0096	0.050	ug/L
72-20-8	Endrin	0.51		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.50		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		30 (43) - 150 (140)	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		30 (77) - 150 (126)	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\PL051425\
 Data File : PL095658.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 13:50
 Operator : AR\AJ
 Sample : PB167989BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167989BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:08:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.593	2.910	80187651	88320948	19.625	18.856
28)	SA Decachlor...	9.118	8.086	72842316	83879806	21.472	20.336
Target Compounds							
2)	A alpha-BHC	4.044	3.420	300.1E6	331.2E6	51.290	46.306
3)	MA gamma-BHC...	4.375	3.753	283.9E6	314.9E6	50.999	46.639
4)	MA Heptachlor	4.972	4.106	276.8E6	295.6E6	50.821	45.312
5)	MB Aldrin	5.315	4.391	297.8E6	298.4E6	51.850	46.785
6)	B beta-BHC	4.561	4.046	122.8E6	137.5E6	50.125	45.568
7)	B delta-BHC	4.809	4.282	278.1E6	317.7E6	51.187	46.678
8)	B Heptachlo...	5.735	4.894	263.8E6	273.2E6	50.899	47.265
9)	A Endosulfan I	6.119	5.267	260.5E6	263.6E6	53.217	50.973
10)	B gamma-Chl...	5.990	5.147	280.8E6	284.5E6	52.432	47.763
11)	B alpha-Chl...	6.071	5.211	277.2E6	278.1E6	53.327	47.119
12)	B 4,4'-DDE	6.239	5.396	277.0E6	283.5E6	54.115	47.507
13)	MA Dieldrin	6.392	5.532	261.4E6	292.0E6	53.051	47.451
14)	MA Endrin	6.619	5.807	194.1E6	242.6E6	50.672	45.538
15)	B Endosulfa...	6.831	6.097	215.3E6	255.8E6	51.654	46.716
16)	A 4,4'-DDD	6.749	5.949	205.0E6	252.8E6	52.754	49.160
17)	MA 4,4'-DDT	7.064	6.202	186.4E6	228.5E6	51.803	45.519
18)	B Endrin al...	6.960	6.275	158.4E6	188.4E6	53.947	49.203
19)	B Endosulfa...	7.194	6.498	193.8E6	233.7E6	52.791	47.009
20)	A Methoxychlor	7.536	6.772	84538032	119.5E6	50.140	44.161
21)	B Endrin ke...	7.675	7.004	201.3E6	286.7E6	53.741	48.793
22)	Mirex	8.157	7.200	154.9E6	201.0E6	50.875	46.607

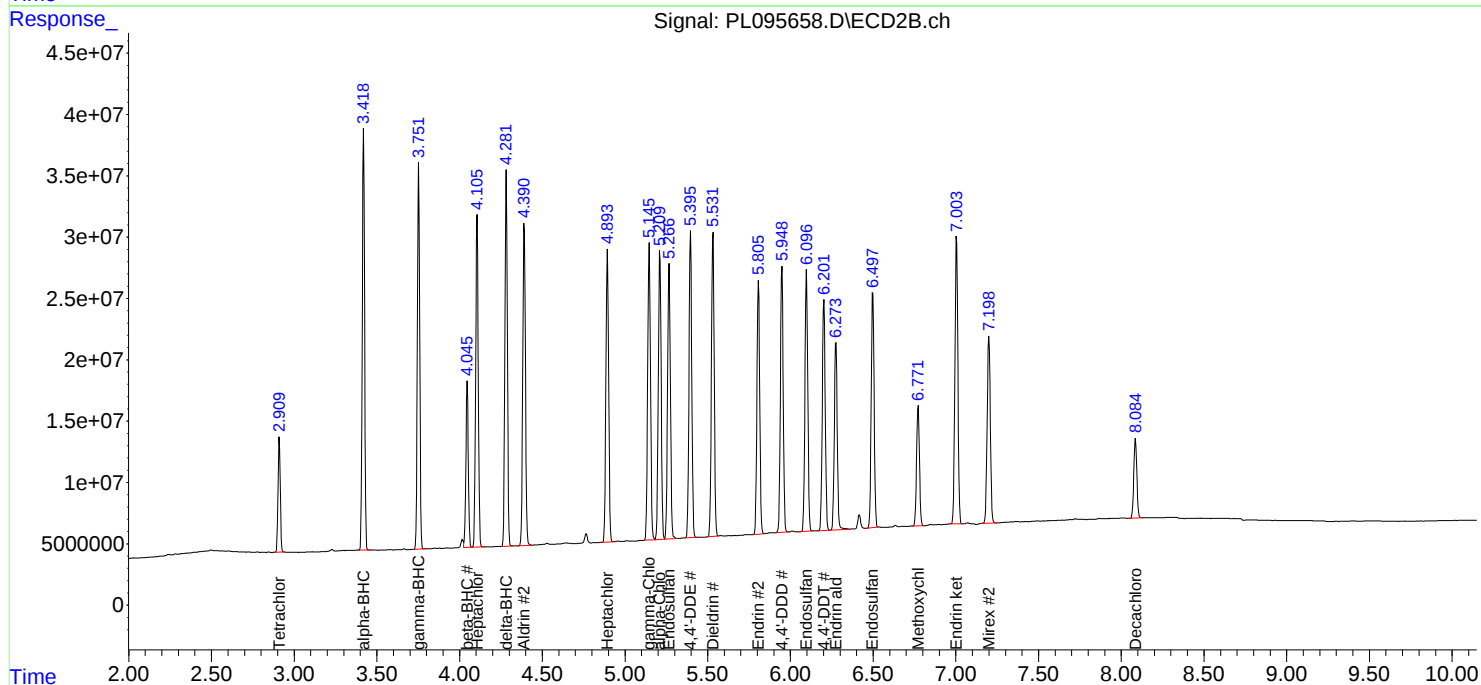
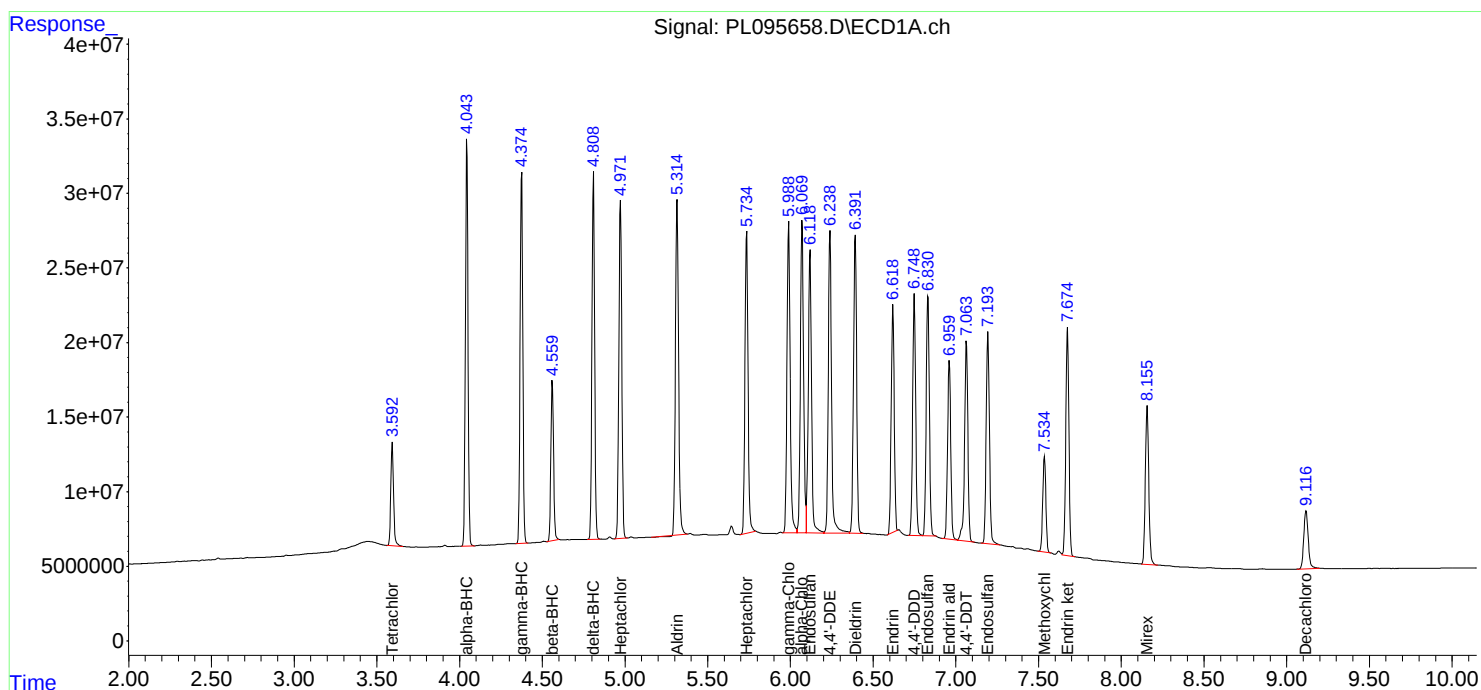
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:50
Operator : AR\AJ
Sample : PB167989BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167989BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:08:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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:	ENTACT	Date Collected:	05/06/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A4-03-CMS	SDG No.:	Q2001
Lab Sample ID:	Q2001-03MS	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
PL095661.D	1	05/13/25 11:40	05/14/25 15:03	PB167989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.40		0.037	0.50	ug/L
76-44-8	Heptachlor	5.20		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.40		0.096	0.50	ug/L
72-20-8	Endrin	5.60		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.50		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.1		30 (43) - 150 (140)	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		30 (77) - 150 (126)	92%	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\PL051425\
 Data File : PL095661.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 15:03
 Operator : AR\AJ
 Sample : Q2001-03MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-A4-03-CMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:09:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.593	2.908	75296411	80991235	18.428	17.291
28)	SA Decachlor...	9.114	8.082	75150647	84358147	22.152	20.452
Target Compounds							
2)	A alpha-BHC	4.043	3.417	310.5E6	338.0E6	53.066	47.262
3)	MA gamma-BHC...	4.374	3.750	300.8E6	316.0E6	54.037	46.799
4)	MA Heptachlor	4.972	4.103	282.0E6	294.7E6	51.789	45.171
5)	MB Aldrin	5.314	4.388	308.1E6	292.5E6	53.633	45.865
6)	B beta-BHC	4.560	4.044	98073918	138.5E6	40.045	45.902
7)	B delta-BHC	4.808	4.280	281.7E6	313.7E6	51.850	46.087
8)	B Heptachlo...	5.734	4.891	279.3E6	280.0E6	53.903	48.448
9)	A Endosulfan I	6.118	5.264	215.8E6	206.7E6	44.088	39.967
10)	B gamma-Chl...	5.988	5.143	299.5E6	290.9E6	55.929	48.838
11)	B alpha-Chl...	6.069	5.208	290.3E6	284.8E6	55.842	48.249
12)	B 4,4'-DDE	6.239	5.393	279.4E6	288.1E6	54.575	48.280
13)	MA Dieldrin	6.391	5.529	279.6E6	304.9E6	56.731	49.554
14)	MA Endrin	6.618	5.803	215.7E6	263.9E6	56.311	49.529
15)	B Endosulfa...	6.830	6.093	126.6E6	152.5E6	30.376	27.844
16)	A 4,4'-DDD	6.747	5.944	217.8E6	299.5E6	56.040	58.234m
17)	MA 4,4'-DDT	7.063	6.198	206.4E6	241.5E6	57.356	48.113
18)	B Endrin al...	6.959	6.271	171.6E6	200.2E6	58.440	52.290
19)	B Endosulfa...	7.192	6.494	211.6E6	246.6E6	57.643	49.599
20)	A Methoxychlor	7.534	6.768	92761121	128.0E6	55.017	47.303
21)	B Endrin ke...	7.674	7.000	214.9E6	297.5E6	57.366	50.624
22)	Mirex	8.155	7.196	166.1E6	208.8E6	54.553	48.431

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095661.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:03
Operator : AR\AJ
Sample : Q2001-03MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

WC-A4-03-CMS

Manual Integrations

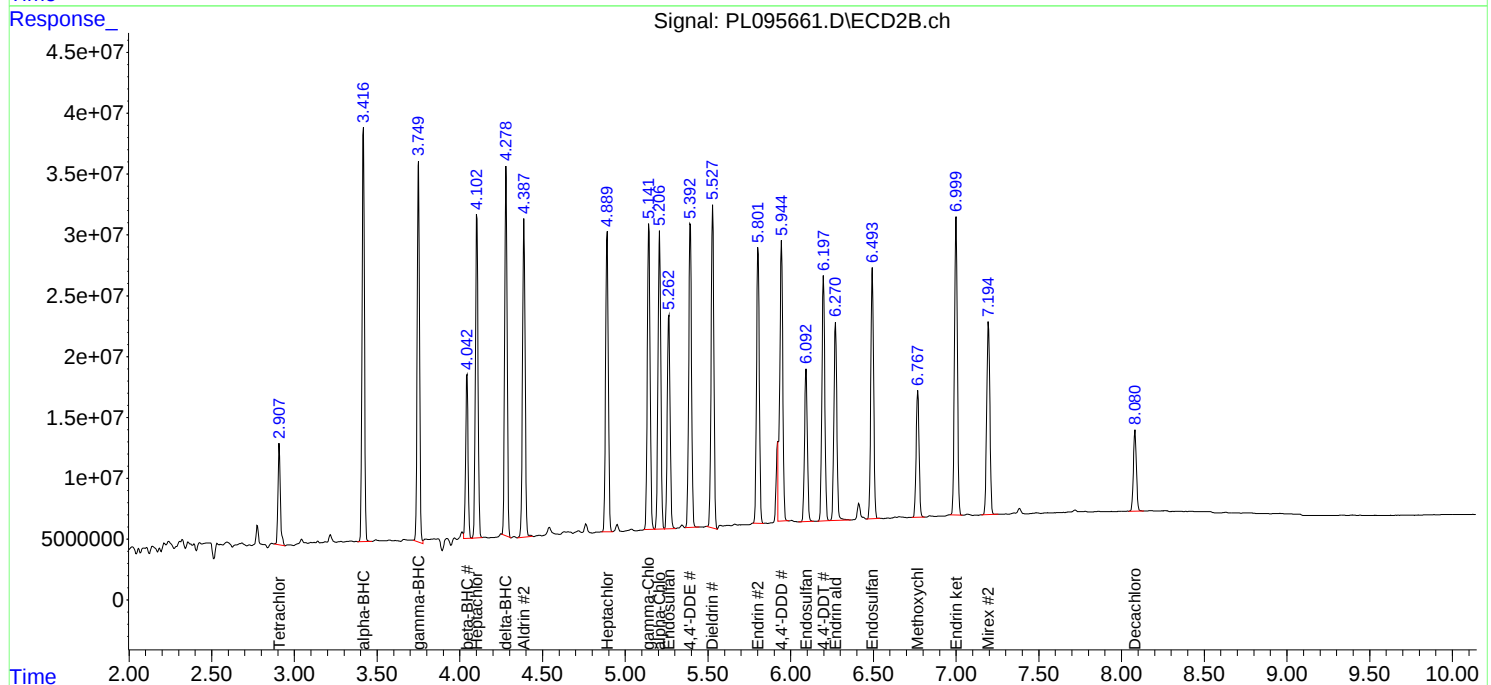
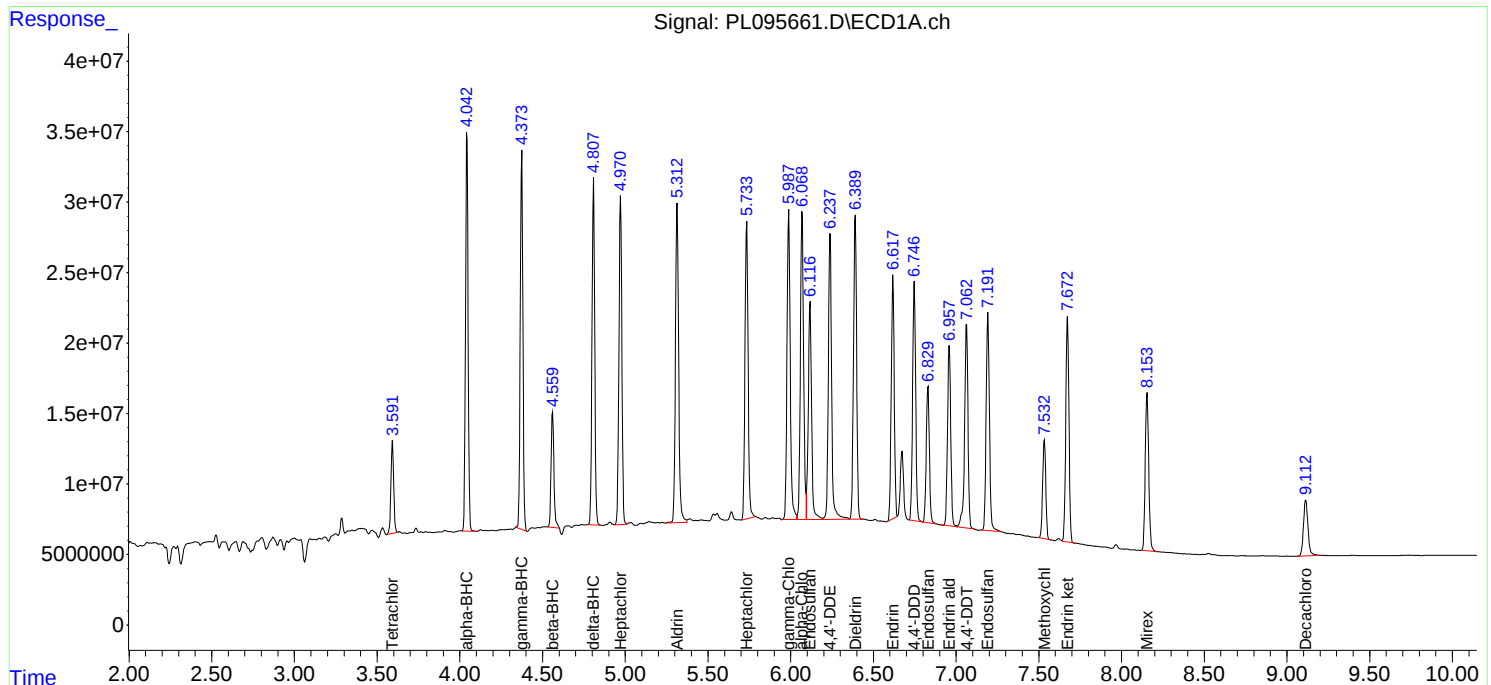
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:09:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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:	ENTACT	Date Collected:	05/06/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A4-03-CMSD	SDG No.:	Q2001
Lab Sample ID:	Q2001-03MSD	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
PL095662.D	1	05/13/25 11:40	05/14/25 15:17	PB167989

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.20		0.037	0.50	ug/L
76-44-8	Heptachlor	5.00		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.20		0.096	0.50	ug/L
72-20-8	Endrin	5.50		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.40		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.8		30 (43) - 150 (140)	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		30 (77) - 150 (126)	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\PL051425\
 Data File : PL095662.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 15:17
 Operator : AR\AJ
 Sample : Q2001-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-A4-03-CMSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/15/2025
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:09:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.593	2.907	72897559	79394150	17.841	16.950
2) SA Decachlor...	9.114	8.081	73983273	84098480	21.808	20.389
Target Compounds						
2) A alpha-BHC	4.043	3.416	300.3E6	329.3E6	51.320	46.054
3) MA gamma-BHC...	4.374	3.749	291.3E6	308.1E6	52.333	45.624
4) MA Heptachlor	4.971	4.102	271.5E6	289.2E6	49.850	44.329
5) MB Aldrin	5.313	4.387	291.8E6	284.9E6	50.804	44.675
6) B beta-BHC	4.560	4.042	94786986	134.9E6	38.703	44.715
7) B delta-BHC	4.808	4.279	273.6E6	306.0E6	50.359	44.953
8) B Heptachlo...	5.734	4.890	269.9E6	273.4E6	52.085	47.310
9) A Endosulfan I	6.117	5.263	208.3E6	200.8E6	42.559	38.820
10) B gamma-Chl...	5.988	5.143	289.6E6	282.4E6	54.084	47.410
11) B alpha-Chl...	6.068	5.207	280.9E6	276.5E6	54.047	46.848
12) B 4,4'-DDE	6.238	5.393	269.9E6	280.4E6	52.736	46.979
13) MA Dieldrin	6.389	5.528	271.3E6	296.4E6	55.060	48.178
14) MA Endrin	6.617	5.802	209.3E6	257.2E6	54.641	48.278
15) B Endosulfa...	6.829	6.093	122.5E6	147.9E6	29.378	27.006
16) A 4,4'-DDD	6.746	5.943	212.3E6	290.2E6	54.643	56.421m
17) MA 4,4'-DDT	7.062	6.198	198.7E6	234.7E6	55.216	46.761
18) B Endrin al...	6.957	6.270	167.0E6	195.6E6	56.887	51.082
19) B Endosulfa...	7.191	6.494	206.7E6	241.9E6	56.326	48.648
20) A Methoxychlor	7.533	6.768	91164860	125.3E6	54.070	46.296
21) B Endrin ke...	7.673	7.000	209.3E6	291.5E6	55.875	49.607
22) Mirex	8.155	7.195	161.5E6	205.5E6	53.041	47.672

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051425\
Data File : PL095662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:17
Operator : AR\AJ
Sample : Q2001-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

WC-A4-03-CMSD

Manual Integrations

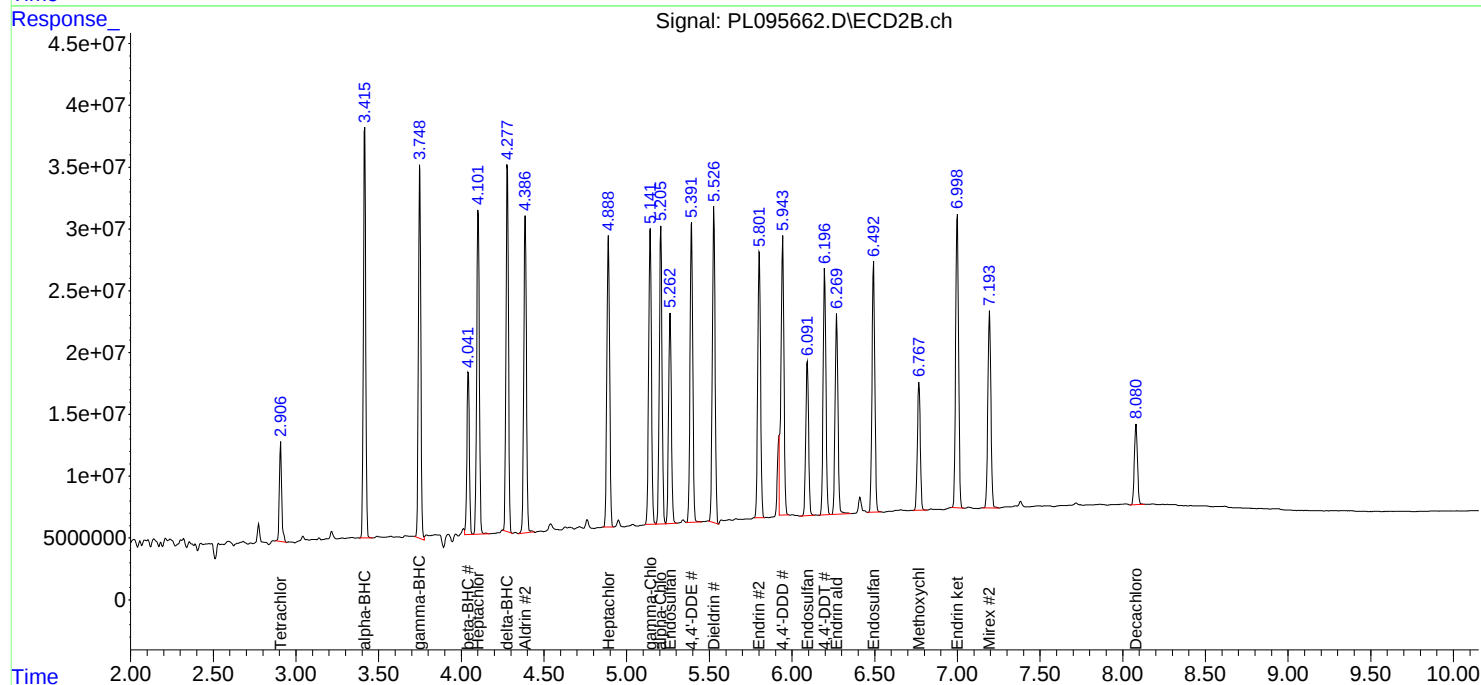
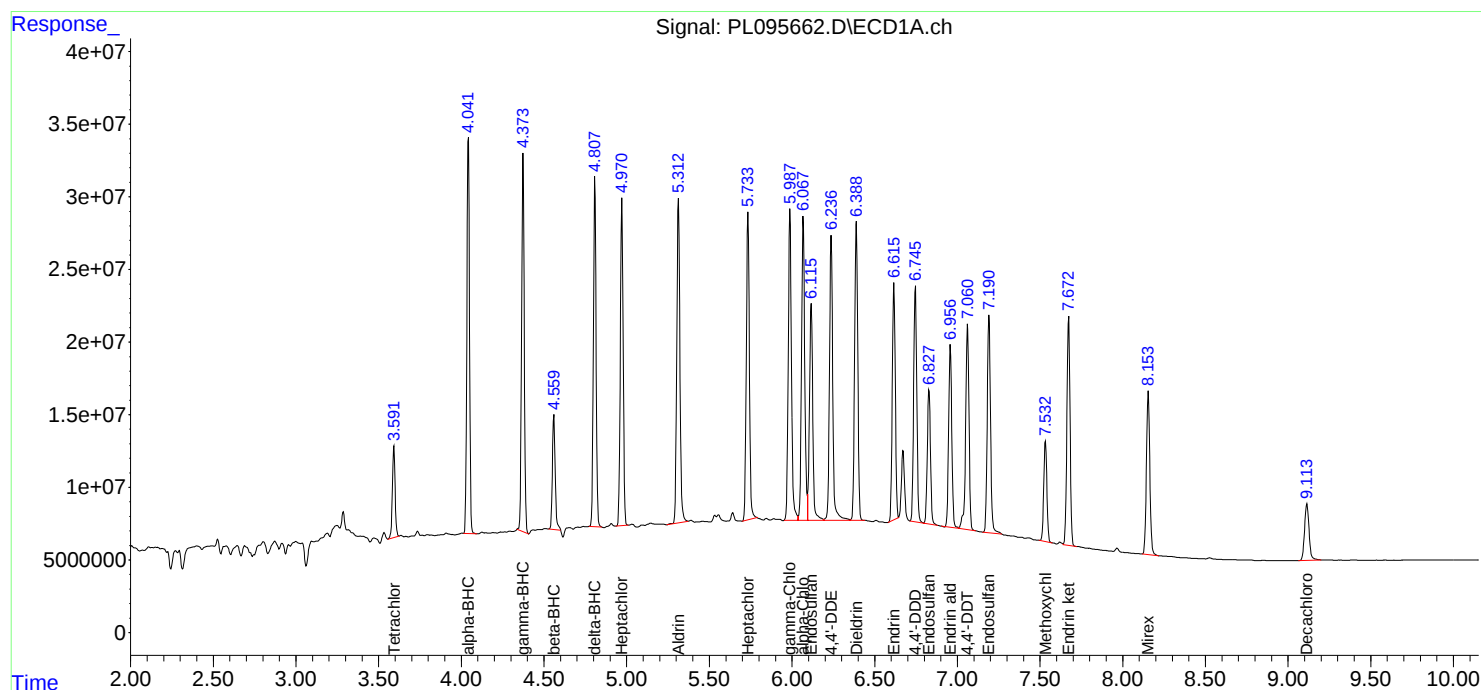
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:09:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
Quant Title : GC Extractables
QLast Update : Tue May 13 14:38:57 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:

PL051325

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095631.D	4,4"-DDD	Abdul	5/15/2025 7:52:38 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PEM	PL095631.D	4,4"-DDD #2	Abdul	5/15/2025 7:52:38 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PEM	PL095631.D	Endrin aldehyde	Abdul	5/15/2025 7:52:38 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PEM	PL095631.D	Endrin aldehyde #2	Abdul	5/15/2025 7:52:38 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PEM	PL095631.D	Endrin ketone	Abdul	5/15/2025 7:52:38 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PEM	PL095631.D	Endrin ketone #2	Abdul	5/15/2025 7:52:38 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
RESCHK	PL095632.D	gamma-Chlordane	Abdul	5/15/2025 7:52:42 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC025	PL095636.D	4,4"-DDE	Abdul	5/15/2025 7:52:46 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC025	PL095636.D	alpha-Chlordane	Abdul	5/15/2025 7:52:46 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC025	PL095636.D	Dieldrin #2	Abdul	5/15/2025 7:52:46 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC025	PL095636.D	Endosulfan I	Abdul	5/15/2025 7:52:46 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC025	PL095636.D	gamma-Chlordane	Abdul	5/15/2025 7:52:46 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	alpha-Chlordane	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software

Manual Integration Report

Sequence:	PL051325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC005	PL095637.D	alpha-Chlordane #2	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	Decachlorobiphenyl #2	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	Dieldrin #2	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	Endosulfan I	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	Endosulfan I #2	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	Endosulfan II #2	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	Endrin ketone #2	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	gamma-Chlordane	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	gamma-Chlordane #2	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PSTDICC005	PL095637.D	Heptachlor epoxide	Abdul	5/15/2025 7:52:51 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PCHLORICV500	PL095649.D	Chlordane-1	Abdul	5/15/2025 7:53:07 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PCHLORICV500	PL095649.D	Chlordane-3	Abdul	5/15/2025 7:53:07 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PCHLORICV500	PL095649.D	Chlordane-3 #2	Abdul	5/15/2025 7:53:07 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software

Manual Integration Report

Sequence:

PL051325

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORICV500	PL095652.D	Chlordane-1	Abdul	5/15/2025 7:53:13 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PCHLORICV500	PL095652.D	Chlordane-3	Abdul	5/15/2025 7:53:13 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software
PCHLORICV500	PL095652.D	Chlordane-3 #2	Abdul	5/15/2025 7:53:13 AM	mohammad	5/16/2025 1:54:42	Peak Integrated by Software

Manual Integration Report

Sequence:

pl051425

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095655.D	4,4"-DDE	Abdul	5/15/2025 7:50:18 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software
PEM	PL095655.D	4,4"-DDE #2	Abdul	5/15/2025 7:50:18 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software
PEM	PL095655.D	Endrin aldehyde	Abdul	5/15/2025 7:50:18 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software
Q2001-03MS	PL095661.D	4,4"-DDD #2	Abdul	5/15/2025 7:50:22 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software
Q2001-03MSD	PL095662.D	4,4"-DDD #2	Abdul	5/15/2025 7:50:26 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software
Q2001-11	PL095664.D	delta-BHC	Abdul	5/15/2025 7:50:30 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software
Q2001-11	PL095664.D	delta-BHC #2	Abdul	5/15/2025 7:50:30 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software
PSTDCCC050	PL095667.D	4,4"-DDE #2	Abdul	5/15/2025 7:50:34 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software
I.BLK	PL095682.D	Decachlorobiphenyl	Abdul	5/15/2025 7:51:15 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software
I.BLK	PL095682.D	Tetrachloro-m-xylene	Abdul	5/15/2025 7:51:15 AM	mohammad	5/16/2025 1:55:39	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL051325

Review By	Abdul	Review On	5/15/2025 7:53:35 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:54:42 AM
SubDirectory	PL051325	HP Acquire Method	HP Processing Method pl051325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095629.D	13 May 2025 11:30	AR\AJ	Ok
2	I.BLK	PL095630.D	13 May 2025 11:43	AR\AJ	Ok
3	PEM	PL095631.D	13 May 2025 11:57	AR\AJ	Ok,M
4	RESCHK	PL095632.D	13 May 2025 12:10	AR\AJ	Ok,M
5	PSTDICC100	PL095633.D	13 May 2025 12:24	AR\AJ	Ok
6	PSTDICC075	PL095634.D	13 May 2025 12:38	AR\AJ	Ok
7	PSTDICC050	PL095635.D	13 May 2025 12:51	AR\AJ	Ok
8	PSTDICC025	PL095636.D	13 May 2025 13:05	AR\AJ	Ok,M
9	PSTDICC005	PL095637.D	13 May 2025 13:18	AR\AJ	Ok,M
10	PCHLORICC1000	PL095638.D	13 May 2025 13:32	AR\AJ	Ok
11	PCHLORICC750	PL095639.D	13 May 2025 13:45	AR\AJ	Ok,M
12	PCHLORICC500	PL095640.D	13 May 2025 13:59	AR\AJ	Ok
13	PCHLORICC250	PL095641.D	13 May 2025 14:13	AR\AJ	Ok,M
14	PCHLORICC050	PL095642.D	13 May 2025 14:26	AR\AJ	Ok,M
15	PTOXICC1000	PL095643.D	13 May 2025 14:40	AR\AJ	Not Ok
16	PTOXICC750	PL095644.D	13 May 2025 14:54	AR\AJ	Not Ok
17	PTOXICC500	PL095645.D	13 May 2025 15:07	AR\AJ	Ok
18	PTOXICC250	PL095646.D	13 May 2025 15:21	AR\AJ	Not Ok
19	PTOXICC100	PL095647.D	13 May 2025 15:35	AR\AJ	Not Ok
20	PSTDICV050	PL095648.D	13 May 2025 17:17	AR\AJ	Not Ok
21	PCHLORICV500	PL095649.D	13 May 2025 17:31	AR\AJ	Not Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL051325

Review By	Abdul	Review On	5/15/2025 7:53:35 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:54:42 AM
SubDirectory	PL051325	HP Acquire Method	HP Processing Method pl051325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	PL095650.D	13 May 2025 17:47	AR\AJ	Not Ok
23	PSTDICV050	PL095651.D	14 May 2025 10:07	AR\AJ	Ok
24	PCHLORICV500	PL095652.D	14 May 2025 10:21	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL051425

Review By	Abdul	Review On	5/15/2025 7:51:50 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:39 AM
SubDirectory	PL051425	HP Acquire Method	HP Processing Method pl051325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	PL095653.D	14 May 2025 11:01	AR\AJ	Ok
2	I.BLK	PL095654.D	14 May 2025 11:33	AR\AJ	Ok
3	PEM	PL095655.D	14 May 2025 11:47	AR\AJ	Ok,M
4	PSTDCCC050	PL095656.D	14 May 2025 12:00	AR\AJ	Ok
5	PB167989BL	PL095657.D	14 May 2025 13:36	AR\AJ	Ok
6	PB167989BS	PL095658.D	14 May 2025 13:50	AR\AJ	Ok
7	PB167963TB	PL095659.D	14 May 2025 14:35	AR\AJ	Ok
8	Q2001-03	PL095660.D	14 May 2025 14:49	AR\AJ	Ok
9	Q2001-03MS	PL095661.D	14 May 2025 15:03	AR\AJ	Ok,M
10	Q2001-03MSD	PL095662.D	14 May 2025 15:17	AR\AJ	Ok,M
11	Q2001-07	PL095663.D	14 May 2025 15:30	AR\AJ	Ok
12	Q2001-11	PL095664.D	14 May 2025 15:44	AR\AJ	Ok,M
13	Q2001-15	PL095665.D	14 May 2025 15:58	AR\AJ	Ok
14	I.BLK	PL095666.D	14 May 2025 16:12	AR\AJ	Ok
15	PSTDCCC050	PL095667.D	14 May 2025 16:26	AR\AJ	Ok,M
16	PB168004BL	PL095668.D	14 May 2025 16:41	AR\AJ	Ok
17	PB168004BS	PL095669.D	14 May 2025 16:55	AR\AJ	Ok
18	PB168004BSD	PL095670.D	14 May 2025 17:08	AR\AJ	Ok
19	Q2005-01	PL095671.D	14 May 2025 17:22	AR\AJ	Not Ok
20	Q2032-11	PL095672.D	14 May 2025 17:36	AR\AJ	Ok,M
21	PB167998BL	PL095673.D	14 May 2025 17:50	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL051425

Review By	Abdul	Review On	5/15/2025 7:51:50 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:39 AM
SubDirectory	PL051425	HP Acquire Method	HP Processing Method pl051325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	PB167998BS	PL095674.D	14 May 2025 18:03	AR\AJ	Ok
23	Q2019-01	PL095675.D	14 May 2025 18:17	AR\AJ	Ok,M
24	Q2019-01MS	PL095676.D	14 May 2025 18:31	AR\AJ	Ok
25	Q2019-01MSD	PL095677.D	14 May 2025 18:45	AR\AJ	Ok
26	Q2020-01	PL095678.D	14 May 2025 18:59	AR\AJ	Ok,M
27	Q2022-02	PL095679.D	14 May 2025 19:12	AR\AJ	Ok,M
28	Q2022-04	PL095680.D	14 May 2025 19:26	AR\AJ	Ok,M
29	Q2024-01	PL095681.D	14 May 2025 19:40	AR\AJ	Ok
30	I.BLK	PL095682.D	14 May 2025 20:08	AR\AJ	Ok,M
31	PSTDCCC050	PL095683.D	14 May 2025 20:49	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL051325

Review By	Abdul	Review On	5/15/2025 7:53:35 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:54:42 AM
SubDirectory	PL051325	HP Acquire Method	HP Processing Method
			p051325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	PL095629.D	13 May 2025 11:30		AR\AJ	Ok
2	I.BLK	I.BLK	PL095630.D	13 May 2025 11:43		AR\AJ	Ok
3	PEM	PEM	PL095631.D	13 May 2025 11:57		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095632.D	13 May 2025 12:10		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095633.D	13 May 2025 12:24		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095634.D	13 May 2025 12:38		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095635.D	13 May 2025 12:51		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095636.D	13 May 2025 13:05		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095637.D	13 May 2025 13:18		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095638.D	13 May 2025 13:32		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095639.D	13 May 2025 13:45		AR\AJ	Ok,M
12	PCHLORICC500	PCHLORICC500	PL095640.D	13 May 2025 13:59		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095641.D	13 May 2025 14:13		AR\AJ	Ok,M
14	PCHLORICC050	PCHLORICC050	PL095642.D	13 May 2025 14:26		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095643.D	13 May 2025 14:40	TOX method fail, Single point use	AR\AJ	Not Ok
16	PTOXICC750	PTOXICC750	PL095644.D	13 May 2025 14:54	TOX method fail, Single point use	AR\AJ	Not Ok
17	PTOXICC500	PTOXICC500	PL095645.D	13 May 2025 15:07		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL051325

Review By	Abdul	Review On	5/15/2025 7:53:35 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:54:42 AM
SubDirectory	PL051325	HP Acquire Method	HP Processing Method pl051325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	PL095646.D	13 May 2025 15:21	TOX method fail, Single point use	AR\AJ	Not Ok
19	PTOXICC100	PTOXICC100	PL095647.D	13 May 2025 15:35	TOX method fail, Single point use	AR\AJ	Not Ok
20	PSTDICV050	ICVPL051325	PL095648.D	13 May 2025 17:17	ICV FAIL	AR\AJ	Not Ok
21	PCHLORICV500	ICVPL051325	PL095649.D	13 May 2025 17:31	ICV FAIL	AR\AJ	Not Ok
22	PTOXICV500	ICVPL051325	PL095650.D	13 May 2025 17:47	TOX method fail	AR\AJ	Not Ok
23	PSTDICV050	ICVPL051325	PL095651.D	14 May 2025 10:07		AR\AJ	Ok
24	PCHLORICV500	ICVPL051325	PL095652.D	14 May 2025 10:21		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL051425

Review By	Abdul	Review On	5/15/2025 7:51:50 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:39 AM
SubDirectory	PL051425	HP Acquire Method	HP Processing Method pl051325 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095653.D	14 May 2025 11:01		AR\AJ	Ok
2	I.BLK	I.BLK	PL095654.D	14 May 2025 11:33		AR\AJ	Ok
3	PEM	PEM	PL095655.D	14 May 2025 11:47		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095656.D	14 May 2025 12:00		AR\AJ	Ok
5	PB167989BL	PB167989BL	PL095657.D	14 May 2025 13:36		AR\AJ	Ok
6	PB167989BS	PB167989BS	PL095658.D	14 May 2025 13:50		AR\AJ	Ok
7	PB167963TB	PB167963TB	PL095659.D	14 May 2025 14:35		AR\AJ	Ok
8	Q2001-03	WC-A4-03-C	PL095660.D	14 May 2025 14:49		AR\AJ	Ok
9	Q2001-03MS	WC-A4-03-CMS	PL095661.D	14 May 2025 15:03		AR\AJ	Ok,M
10	Q2001-03MSD	WC-A4-03-CMSD	PL095662.D	14 May 2025 15:17		AR\AJ	Ok,M
11	Q2001-07	WC-A1-05-C	PL095663.D	14 May 2025 15:30		AR\AJ	Ok
12	Q2001-11	WC-A1-06-C	PL095664.D	14 May 2025 15:44		AR\AJ	Ok,M
13	Q2001-15	WC-A1-07-C	PL095665.D	14 May 2025 15:58		AR\AJ	Ok
14	I.BLK	I.BLK	PL095666.D	14 May 2025 16:12		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL095667.D	14 May 2025 16:26		AR\AJ	Ok,M
16	PB168004BL	PB168004BL	PL095668.D	14 May 2025 16:41		AR\AJ	Ok
17	PB168004BS	PB168004BS	PL095669.D	14 May 2025 16:55		AR\AJ	Ok
18	PB168004BSD	PB168004BSD	PL095670.D	14 May 2025 17:08		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL051425

Review By	Abdul	Review On	5/15/2025 7:51:50 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:39 AM
SubDirectory	PL051425	HP Acquire Method	HP Processing Method pl051325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	Q2005-01	252806	PL095671.D	14 May 2025 17:22	DCB low in both column , TCMX low in 2nd column	AR\AJ	Not Ok
20	Q2032-11	FB-05132025	PL095672.D	14 May 2025 17:36		AR\AJ	Ok,M
21	PB167998BL	PB167998BL	PL095673.D	14 May 2025 17:50		AR\AJ	Ok
22	PB167998BS	PB167998BS	PL095674.D	14 May 2025 18:03		AR\AJ	Ok
23	Q2019-01	MH-K	PL095675.D	14 May 2025 18:17		AR\AJ	Ok,M
24	Q2019-01MS	MH-KMS	PL095676.D	14 May 2025 18:31		AR\AJ	Ok
25	Q2019-01MSD	MH-KMSD	PL095677.D	14 May 2025 18:45		AR\AJ	Ok
26	Q2020-01	TP-A	PL095678.D	14 May 2025 18:59		AR\AJ	Ok,M
27	Q2022-02	COMP-1	PL095679.D	14 May 2025 19:12		AR\AJ	Ok,M
28	Q2022-04	COMP-2	PL095680.D	14 May 2025 19:26		AR\AJ	Ok,M
29	Q2024-01	PL-02-051325	PL095681.D	14 May 2025 19:40		AR\AJ	Ok
30	I.BLK	I.BLK	PL095682.D	14 May 2025 20:08		AR\AJ	Ok,M
31	PSTDCCC050	PSTDCCC050	PL095683.D	14 May 2025 20:49		AR\AJ	Ok

M : Manual Integration

SOP ID : M1311-TCLP-15
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
TCLP Filter ID : 115525

Start Prep Date : 05/12/2025 Time : 15:00
End Prep Date : 05/13/2025 Time : 09:15
Combination Ratio : 20
ZHE Cleaning Batch : ⁷⁰N/A
Initial Room Temperature: 23 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : *JP*
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	WP112795
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:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked,30 rpm. q2017-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/13/25 12:00	<i>JP</i> 11220 Aoom	<i>SKS. RS</i> 1 E-1
	Preparation Group	Analysis Group <i>mayday</i>

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
PB167963TB	LEB963	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2001-03	WC-A4-03-C	01	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2001-07	WC-A1-05-C	02	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2001-11	WC-A1-06-C	03	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2001-15	WC-A1-07-C	04	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2017-04	MH-I	05	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q2017-08	MH-J	06	100.01	2000	N/A	N/A	N/A	6.0	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167963TB	LEB963	N/A	N/A	N/A	N/A	N/A	N/A
Q2001-03	WC-A4-03-C	N/A	N/A	N/A	N/A	100	N/A
Q2001-07	WC-A1-05-C	N/A	N/A	N/A	N/A	100	N/A
Q2001-11	WC-A1-06-C	N/A	N/A	N/A	N/A	100	N/A
Q2001-15	WC-A1-07-C	N/A	N/A	N/A	N/A	100	N/A
Q2017-04	MH-I	N/A	N/A	N/A	N/A	100	N/A
Q2017-08	MH-J	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
PB167963TB	LEB963	N/A	N/A	N/A	N/A	#1	4.93
Q2001-03	WC-A4-03-C	5.02	96.5	12.0	4.5	#1	4.93
Q2001-07	WC-A1-05-C	5.03	96.5	12.0	4.5	#1	4.93
Q2001-11	WC-A1-06-C	5.04	96.5	12.0	4.5	#1	4.93
Q2001-15	WC-A1-07-C	5.02	96.5	12.5	4.5	#1	4.93
Q2017-04	MH-I	5.03	96.5	7.2	3.0	#1	4.93
Q2017-08	MH-J	5.02	96.5	8.0	3.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2001

WorkList ID : 189459

Department : TCLP Extraction

Date : 05-12-2025 12:57:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2001-03	WC-A4-03-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L61	05/06/2025	1311
Q2001-07	WC-A1-05-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L61	05/07/2025	1311
Q2001-11	WC-A1-06-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L61	05/08/2025	1311
Q2001-15	WC-A1-07-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L61	05/08/2025	1311
Q2017-04	MH-I	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/12/2025	1311
Q2017-08	MH-J	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/12/2025	1311

Date/Time 05/12/25 13:15

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 05/12/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3510C,3580A-Extraction Pesticide-16
Clean Up SOP #: N/A **Extraction Start Date :** 05/13/2025
Matrix : Water **Extraction Start Time :** 11:40
Welgh By: N/A **Extraction By:** RS **Extraction End Date :** 05/13/2025
Balance check: N/A **Filter By:** RS **Extraction End Time :** 16:25
Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH
pH Strip Lot#: E3880 **Hood ID:** 4,5,6,7 **Supervisor By :** RUPESH
Extraction Method: ☒ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24460
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	E3930
Baked Na2SO4	N/A	EP2611
Hexane	N/A	E3934
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 # 03-40BTS723.

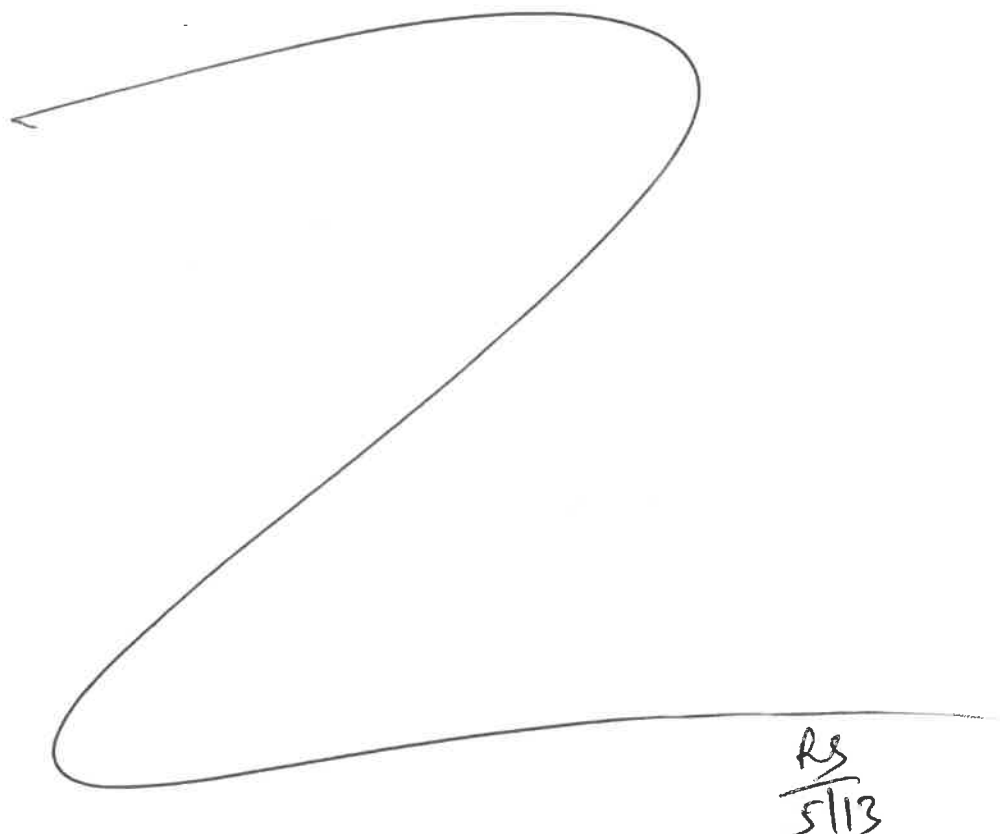
KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02
KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/13/25	RS (Ext Lab)	T.P. Pest IPD.
16:30	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 05/13/2025

Sample ID	Client Sample ID	Test	g / 	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167963TB	PB167963TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-10
PB167989BL	PBLK989	TCLP Pesticide	1000	6	RUPESH	ritesh	10			11
PB167989BS	PLCS989	TCLP Pesticide	1000	6	RUPESH	ritesh	10			12
Q2001-03	WC-A4-03-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		13
Q2001-03MS	WC-A4-03-CMS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		14
Q2001-03MS D	WC-A4-03-CMSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		15
Q2001-07	WC-A1-05-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		16
Q2001-11	WC-A1-06-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		17
Q2001-15	WC-A1-07-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		18



RS
5/13

TCLP EXTRACTION LOGPAGE

PB167963

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
PB167963TB	LEB963	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2001-03	WC-A4-03-C	01	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2001-07	WC-A1-05-C	02	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2001-11	WC-A1-06-C	03	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2001-15	WC-A1-07-C	04	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2017-04	MH-I	05	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q2017-08	MH-J	06	100.01	2000	N/A	N/A	N/A	6.0	1.5	T-1

05/13/25
11:00

Prep Standard - Chemical Standard Summary

Order ID : Q2001

Test : TCLP Pesticide

Prepbatch ID : PB167989,

Sequence ID/Qc Batch ID: pl051425,

Standard ID :

EP2611,PP24095,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,P
P24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,P
P24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,PP24460,

Chemical ID :

E3551,E3847,E3876,E3877,E3914,E3917,E3930,E3934,P12603,P12611,P13037,P13040,P13195,P13245,P13355,P13
356,P13405,P13785,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	EP2611	05/09/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/09/2025
<u>FROM</u> 4000.00000gram of E3551 = 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>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani 12/30/2024
<u>FROM</u> 1.00000ml of P13245 + 99.00000ml of E3847 = 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13785 + 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>
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



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>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P9052 + 9.80000ml 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>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml 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>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml



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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24285	03/12/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 95.00000ml of E3876 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	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>
465	200 PPB Pest/PCB Surrogate Spike	PP24460	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel
								04/16/2025

FROM 1.00000ml of P13355 + 999.00000ml of E3917 = 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	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

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	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

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)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

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)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

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	05/12/2025 / RUPESH	04/23/2025 / RUPESH	E3934

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	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

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	10/11/2025	04/11/2025 / Abdul	04/22/2024 / Abdul	P13355

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

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



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

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
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%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
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%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
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.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

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)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 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)	≤ 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

Recd. by RP on 12/13/24

E3847



Jamie Croak
Director Quality Operations, Bioscience Production

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.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

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

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 03/31/25

E3917

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)

avantor



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
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	4
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 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

E3930

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials, LLC

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

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



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

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

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3934

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

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:

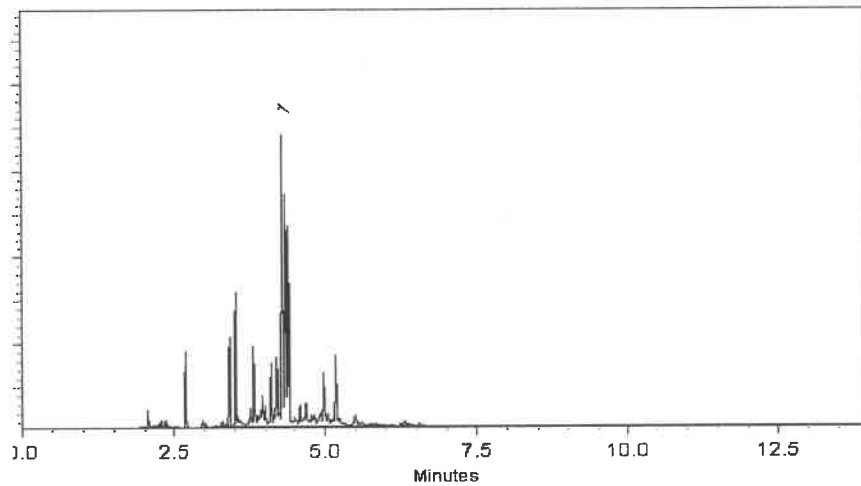
ECD

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
P12611
↓
P12615
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
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 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.)

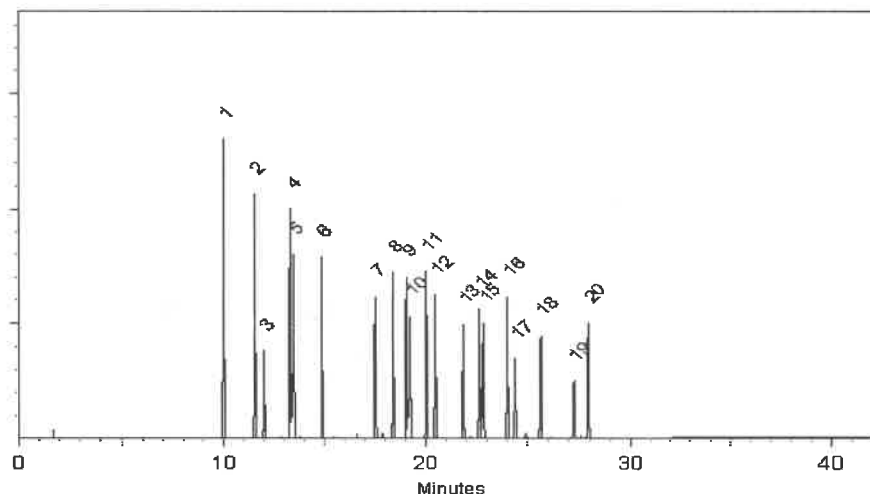
Inj. Temp:
 200°C

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 WEIGHT REPORT**

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

Solvent(s):	Lot#
Acetone	81025

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

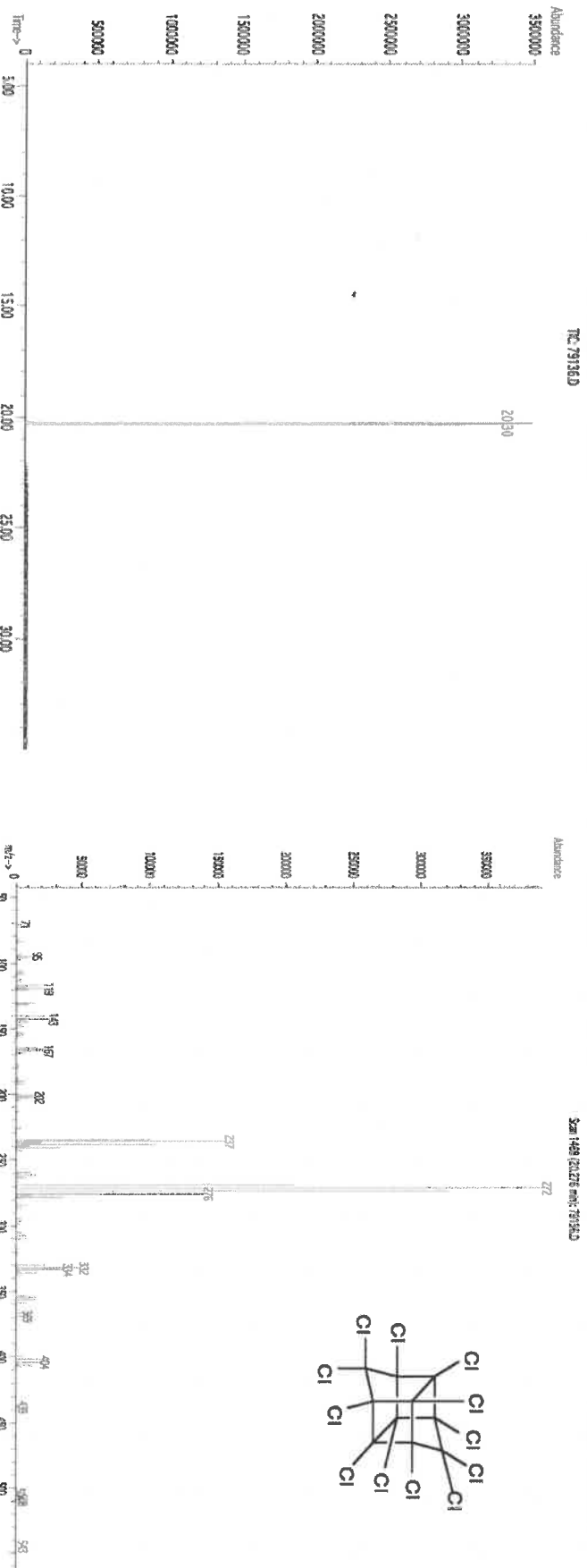
5E-05	Balance Uncertainty
0.006	Flask Uncertainty

Formulated By:		042022
Reviewed By:		042022
	Pedro L. Rantas	DATE
		DATE

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

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

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



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

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

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

$P_{13,195} \downarrow$
 $P_{13,199} \downarrow$
 $\textcircled{5} \downarrow$
 1

01/17/2024
JALIN

5



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

P 12603
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P 12605
3
Kauf
7/3/2023

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

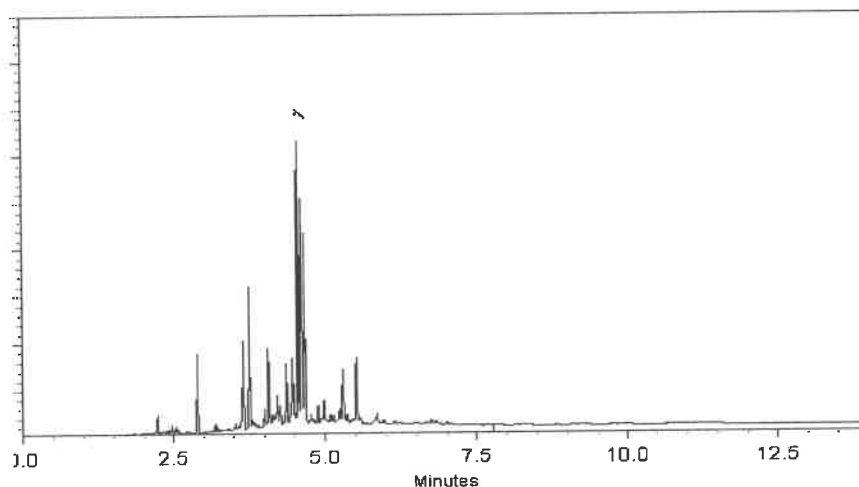
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Morgan Craighead - Mix Technician

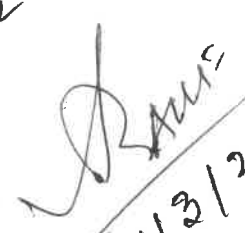
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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

P 12603 } (3)
↓
P 12605

7/3/2023



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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. : 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.)

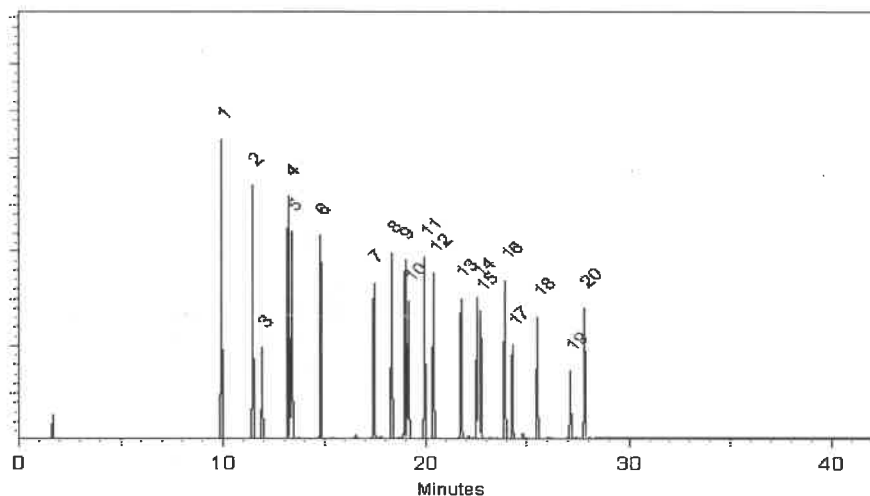
Inj. Temp:
200°C

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



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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.:** A0206810

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

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

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

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

P13348
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P13357
10
BAUF
04/25/2024

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

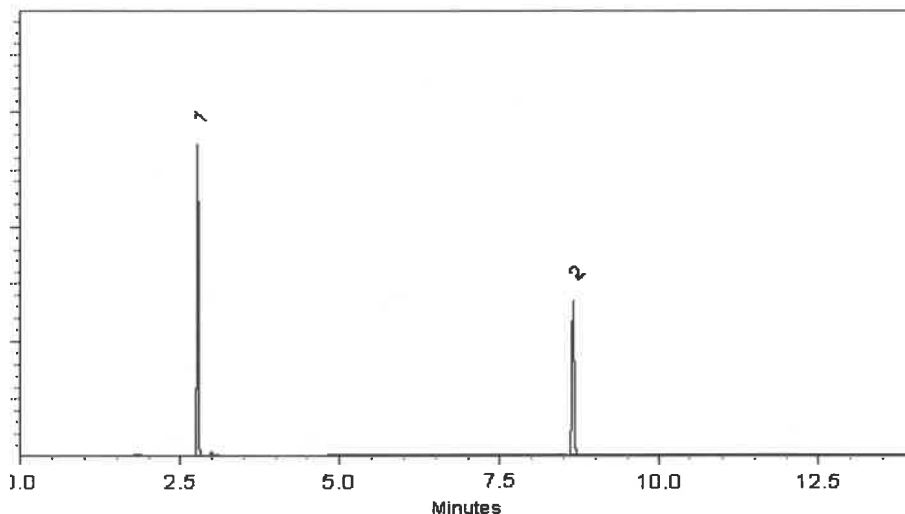
ECD

Split Vent:

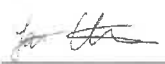
10 ml/min.

Inj. Vol

1µl

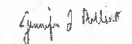


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

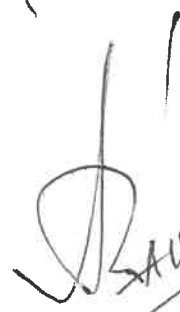
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
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P 13357
10


SAUF
04/25/2025



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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:

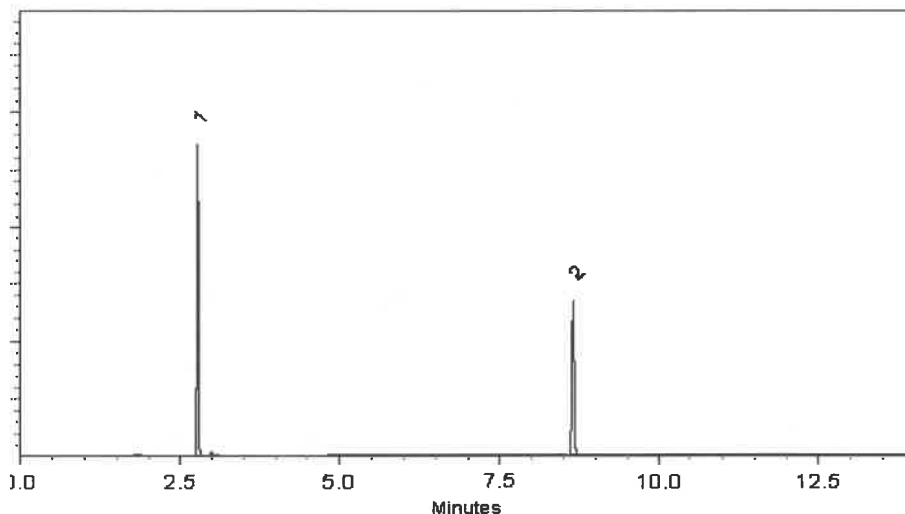
ECD

Split Vent:

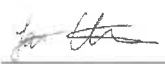
10 ml/min.

Inj. Vol

1µl

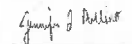


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

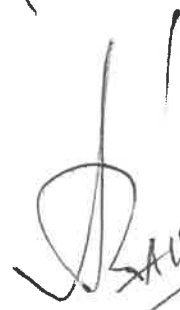
Balance Serial # 1128360905


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


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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:

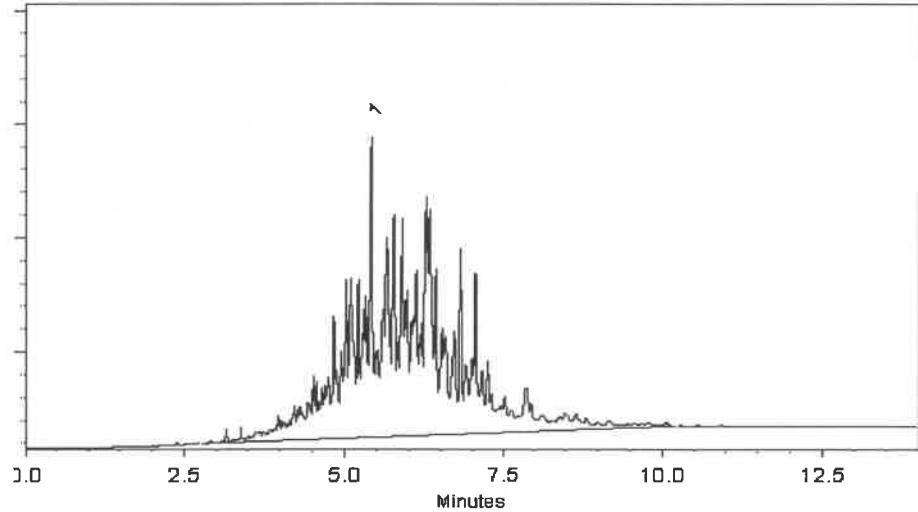
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

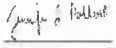


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



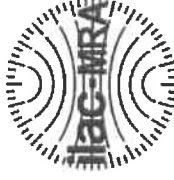
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

Description : Pesticide Surrogate Mix

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

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

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

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

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

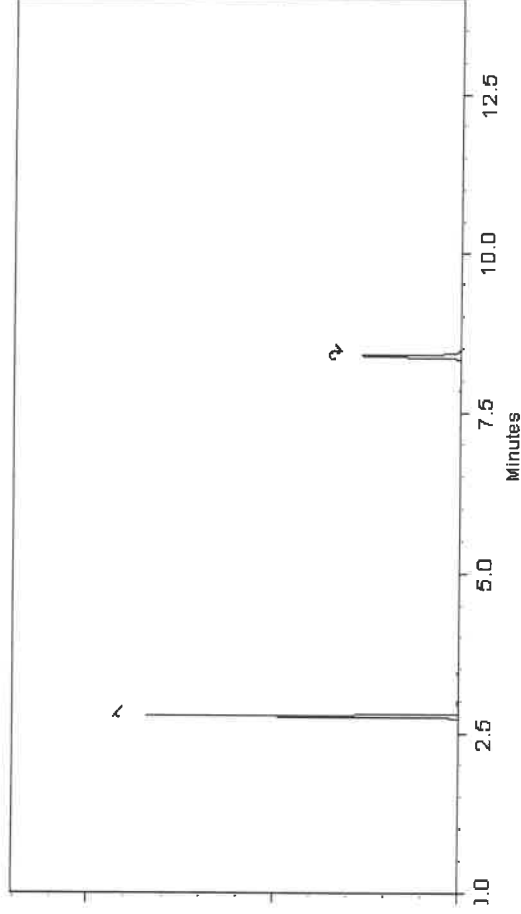
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

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

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

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

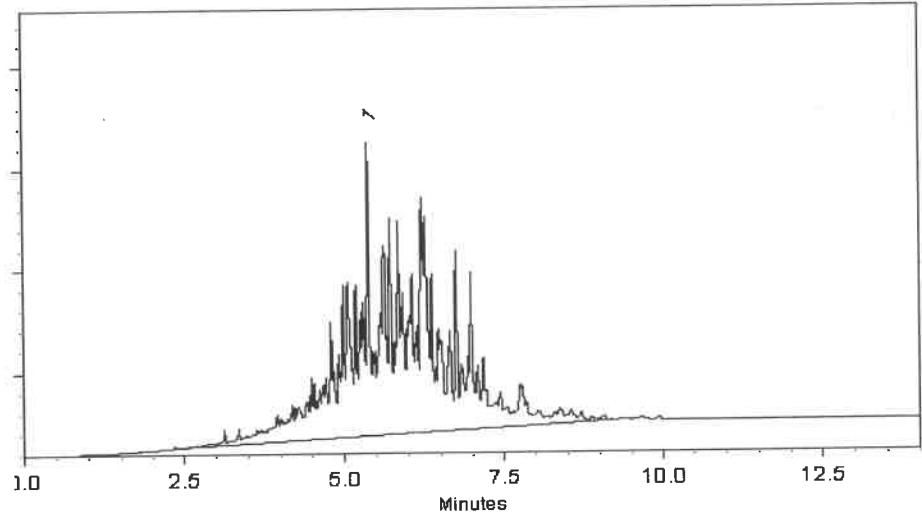
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

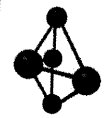

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

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

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

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

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

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

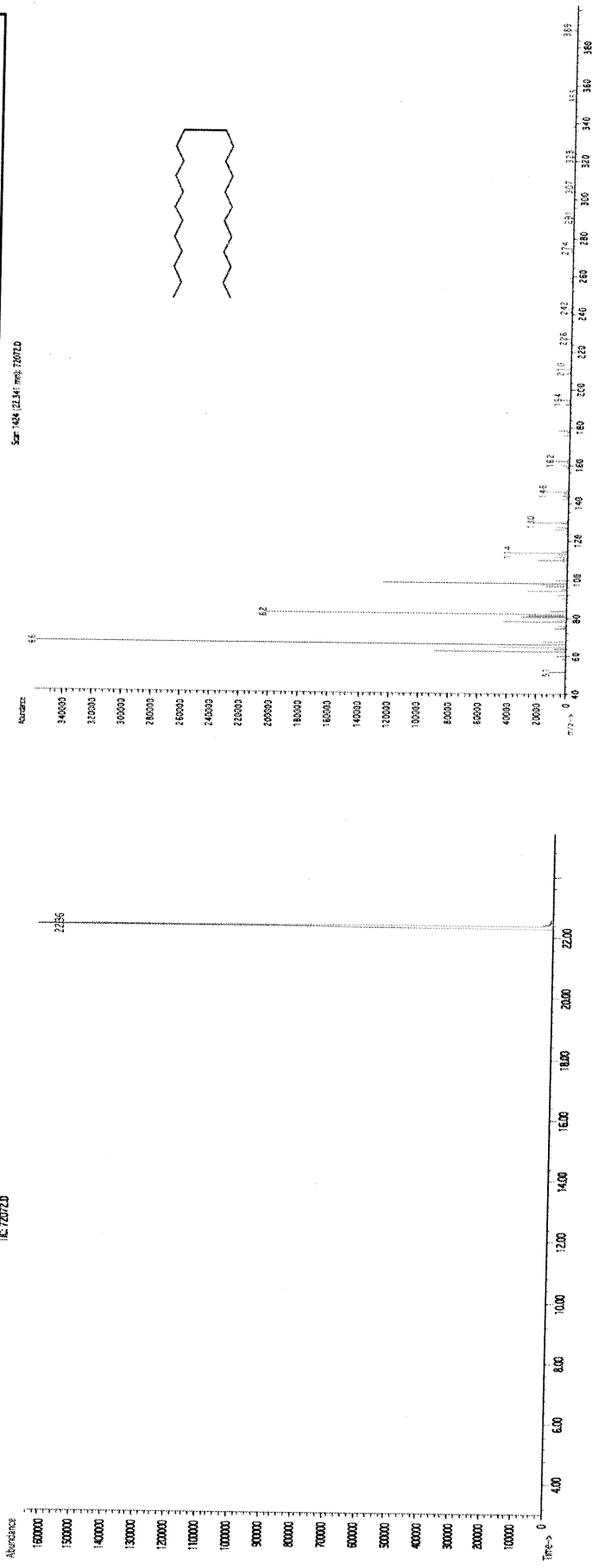
Solvent(s): **Methylene chloride**
Lot# **102669**

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

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

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

TC 720720



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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

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

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

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

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

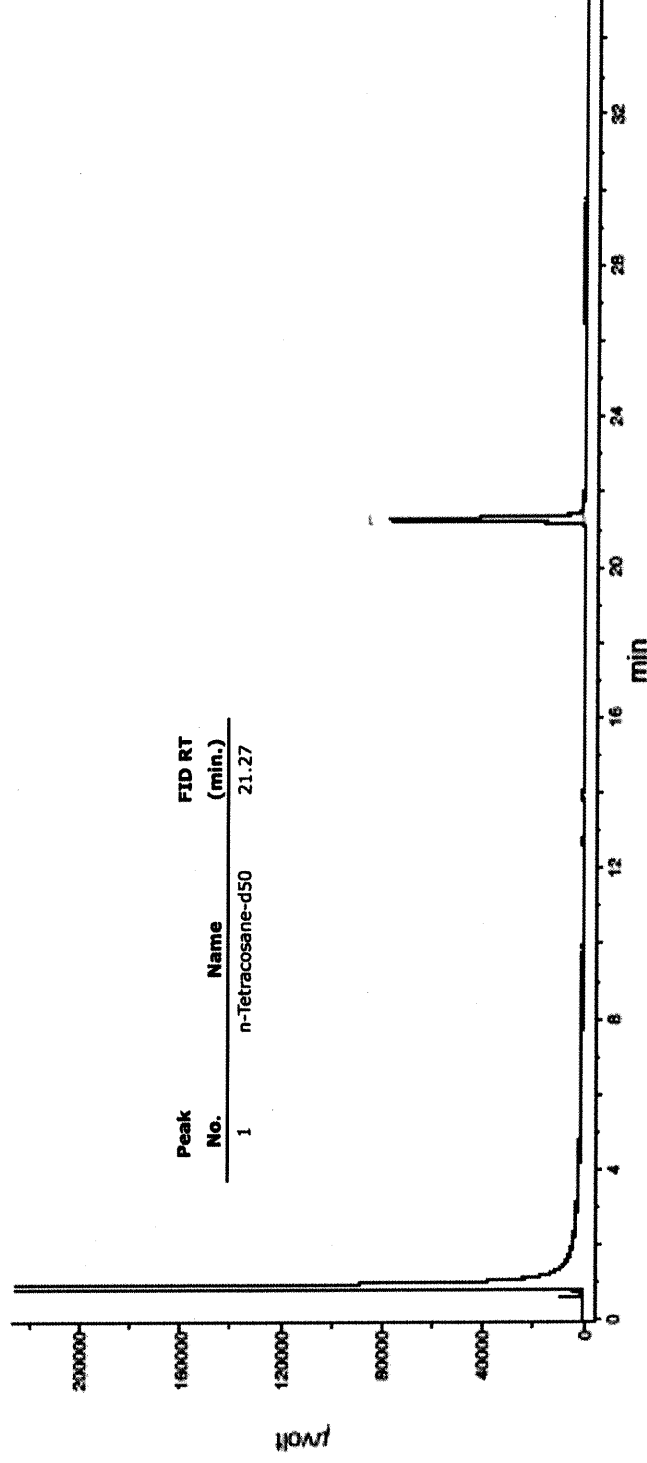
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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

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

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

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



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



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

Certificate of Analysis

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

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

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

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q2001

COC Number: 2042113

Page 2 of 2

CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION													
COMPANY: ENTACT, LLC		PROJECT NAME: 540 Degraw St Brooklyn, NY		BILL TO: ENTACT, LLC					PO# E9309								
ADDRESS: 150 Bay Street, Suite 806		PROJECT #: E9309 LOCATION: Brooklyn, NY		ADDRESS: 999 Oakmont Plaza Drive, Suite 300													
CITY: Jersey City STATE: NJ ZIP: 07302		PROJECT MANAGER: Austin Farmerie		CITY: Westmont					STATE: IL ZIP: 60559								
ATTENTION: Austin Farmerie		E-MAIL: afarmerie@entact.com		ATTENTION: Wendy Murray					PHONE: 800-936-8228								
PHONE: 412-716-1366 FAX:		PHONE: 412-716-1366 FAX:															
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS													
FAX: 3 DAYS*		☐ RESEULTS ONLY ☐ USEPA CLP		ASTM COD	ASTM Ammonia Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter							
HARD COPY: 3 DAYS*		☐ RESULTS + QC ☐ New York State ASP "B"		10	11	12	13	14	15	16							
EDD: 3 DAYS*		☐ New Jersey REDUCED ☐ New York State ASP "A"															
* TO BE APPROVED BY ALLIANCE		☐ New Jersey CLP ☐ Other															
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ EDD Format															
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-A4-03-G	Soil		X	5/6	12:00	1										<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.	WC-A4-03-C	Soil	X		5/6	12:00	11	X	X	X	X	X	X	X			
3.	WC-A1-05-G	Soil		X	5/7	12:00	1										
4.	WC-A1-05-C	Soil	X		5/7	12:00	11	X	X	X	X	X	X	X			
5.	WC-A1-06-G	Soil		X	5/8	12:00	1										
6.	WC-A1-06-C	Soil	X		5/8	12:00	11	X	X	X	X	X	X	X			
7.	WC-A1-07-G	Soil		X	5/8	12:00	1										
8.	WC-A1-07-C	Soil	X		5/8	12:00	11	X	X	X	X	X	X	X			
9.																	
10.																	
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY																	
RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.8°C														
1. Austin Farmerie		1.	Comments: Temp 3.8°C Adjustment factor +10 IR Gun #1.														
RELINQUISHED BY	DATE/TIME	RECEIVED BY															
2.		2.															
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight														
3.	5-9-25	3.	ALLIANCE: ☐ Picked Up ☐ Overnight														
			Shipment Complete ☐ YES ☐ NO														

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside, NJ 07092

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CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q2001

COC Number: 2042113

Page 1 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY: Jersey City STATE: NJ ZIP: 07302

ATTENTION: Austin Farmerie

PHONE: 412-716-1366

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Austin Farmerie

E-MAIL: afarmerie@entact.com

PHONE: 412-716-1366

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

TCLP VOCs	TCLP ICP Metals + Cu, Ni, Zn	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease
1	2	3	4	5	6	7	8	9

DATA TURNAROUND INFORMATION

FAX: _____ 3 _____ DAYS*
HARD COPY: _____ DAYS*
EDD _____ 3 _____ DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-A4-03-G	Soil		X	5/6	12:00	1	X									
2.	WC-A4-03-C	Soil	X		5/6	12:00	11		X	X	X	X	X	X	X	X	
3.	WC-A1-05-G	Soil		X	5/7	12:00	1	X									
4.	WC-A1-05-C	Soil	X		5/7	12:00	11		X	X	X	X	X	X	X	X	
5.	WC-A1-06-G	Soil		X	5/8	12:00	1	X									
6.	WC-A1-06-C	Soil	X		5/8	12:00	11		X	X	X	X	X	X	X	X	
7.	WC-A1-07-G	Soil		X	5/8	12:00	1	X									
8.	WC-A1-07-C	Soil	X		5/8	12:00	11		X	X	X	X	X	X	X	X	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 5/9 12:00	RECEIVED BY 1. [Signature] 5-9-25	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.8°C ☐ Ice in Cooler? _____
RELINQUISHED BY 2. [Signature]	DATE/TIME 5-9-25	RECEIVED BY 2. [Signature]	Comments: Temp 3.8°C Adjustment factor +1 DIR Gun #1.
RELINQUISHED BY 3. [Signature]	DATE/TIME 5-9-25	RECEIVED FOR LAB BY 3. [Signature]	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight

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