

Cover Page

Order ID : Q1746

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q1746-01
Q1746-02
Q1746-03
Q1746-04
Q1746-05
Q1746-06
Q1746-07
Q1746-08

Client Sample Number

B-149-SB01
B-149-SB01
B-149-SB02
B-149-SB02
B-158-GW01
B-149-GW01
EB-2025-4-7
TB-2025-4-7

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: 4/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Chemtech Project # Q1746

Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 04/07/2025.

4 Water samples were received on 04/07/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TPH GC, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:



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

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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 #: Q1746

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: 04/17/2025

LAB CHRONICLE

OrderID:	Q1746	OrderDate:	4/7/2025 12:00:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1746-01	B-149-SB01	SOIL			04/05/25			04/07/25
			PCB	8082A		04/08/25	04/08/25	
			TPH GC	8015D		04/08/25	04/08/25	
			EPH	NJEPH		04/08/25	04/10/25	
			EPH	NJEPH		04/08/25	04/11/25	
Q1746-02	B-149-SB01	TCLP			04/05/25			04/07/25
			TCLP Herbicide	8151A		04/09/25	04/10/25	
			TCLP Pesticide	8081B		04/09/25	04/09/25	
Q1746-03	B-149-SB02	SOIL			04/06/25			04/07/25
			PCB	8082A		04/08/25	04/08/25	
			TPH GC	8015D		04/08/25	04/08/25	
			EPH	NJEPH		04/08/25	04/10/25	
			EPH	NJEPH		04/08/25	04/11/25	
Q1746-04	B-149-SB02	TCLP			04/06/25			04/07/25
			TCLP Herbicide	8151A		04/09/25	04/10/25	
			TCLP Pesticide	8081B		04/09/25	04/09/25	
Q1746-05	B-158-GW01	Water			04/05/25			04/07/25
			EPH	NJEPH		04/09/25	04/09/25	
			EPH	NJEPH		04/09/25	04/10/25	
			PCB	8082A		04/08/25	04/08/25	
Q1746-05DL	B-158-GW01DL	Water			04/05/25			04/07/25
			EPH	NJEPH		04/09/25	04/10/25	
Q1746-06	B-149-GW01	WATER			04/06/25			04/07/25
			PCB	8082A		04/08/25	04/08/25	
			EPH	NJEPH		04/09/25	04/09/25	
			EPH	NJEPH		04/09/25	04/10/25	

LAB CHRONICLE

Q1746-07	EB-2025-4-7	WATER			04/07/25		04/07/25
			PCB	8082A		04/08/25	04/08/25
			EPH	NJEPH		04/09/25	04/09/25
			EPH	NJEPH		04/09/25	04/10/25



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

Hit Summary Sheet
SW-846

SDG No.: Q1746

Order ID: Q1746

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2025

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.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL094566.D	PIBLK-PL094566.D	Decachlorobiphenyl	1	20	22.7	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.2	101		30 (77)	150 (126)
I.BLK-PL095137.D	PIBLK-PL095137.D	Decachlorobiphenyl	1	20	20.9	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.1	96		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	16.8	84		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (77)	150 (126)
Q1739-02MS	WC-LIQUID-20250404MS	Decachlorobiphenyl	1	20	17.4	87		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	12.5	62		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	12.8	64		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	14.0	70		30 (77)	150 (126)
Q1739-02MSD	WC-LIQUID-20250404MSD	Decachlorobiphenyl	1	20	16.4	82		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	12.3	61		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	12.9	64		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	13.7	69		30 (77)	150 (126)
I.BLK-PL095147.D	PIBLK-PL095147.D	Decachlorobiphenyl	1	20	18.8	94		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.1	90		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	15.8	79		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.1	95		30 (77)	150 (126)
PB167535BL	PB167535BL	Decachlorobiphenyl	1	20	20.9	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.3	97		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.5	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.2	101		30 (77)	150 (126)
PB167517TB	PB167517TB	Decachlorobiphenyl	1	20	20.8	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.4	92		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.7	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.4	97		30 (77)	150 (126)
Q1746-02	B-149-SB01	Decachlorobiphenyl	1	20	23.5	117		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.5	88		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.8	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.4	97		30 (77)	150 (126)
Q1746-04	B-149-SB02	Decachlorobiphenyl	1	20	23.3	117		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.4	87		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.4	112		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (77)	150 (126)
I.BLK-PL095162.D	PIBLK-PL095162.D	Decachlorobiphenyl	1	20	22.4	112		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.1	96		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.0	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.1	100		30 (77)	150 (126)
I.BLK-PL095202.D	PIBLK-PL095202.D	Decachlorobiphenyl	1	20	22.6	113		30 (43)	150 (140)

Surrogate Summary

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095202.D	PIBLK-PL095202.D	Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.7	109		30 (43)	150 (140)
I.BLK-PL095224.D	PIBLK-PL095224.D	Tetrachloro-m-xylene	2	20	20.1	100		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	23.9	120		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.7	114		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.3	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.2	101		30 (77)	150 (126)
PB167535BS	PB167535BS	Decachlorobiphenyl	1	20	19.0	95		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	16.6	83		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	15.4	77		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	15.3	77		30 (77)	150 (126)
I.BLK-PL095235.D	PIBLK-PL095235.D	Decachlorobiphenyl	1	20	20.9	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	23.8	119		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	15.2	76		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.7	103		30 (77)	150 (126)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

DataFile : PL095145.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID:	WC-LIQUID-20250404MS											
Q1739-02MS	gamma-BHC (Lindane)	5	0	3.10	ug/L	62					30 (60)	150 (152)
	Heptachlor	5	0	2.90	ug/L	58					30 (56)	150 (147)
	Heptachlor epoxide	5	0	3.00	ug/L	60					30 (77)	150 (143)
	Endrin	5	0	3.40	ug/L	68					30 (76)	150 (144)
	Methoxychlor	5	0	3.40	ug/L	68					30 (70)	150 (142)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

DataFile : PL095146.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WC-LIQUID-20250404MSD											
Q1739-02MSD	gamma-BHC (Lindane)	5	0	3.10	ug/L	62		0		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	2.80	ug/L	56		4		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	2.90	ug/L	58		3		30 (77)	150 (143)	20 (20)
	Endrin	5	0	3.30	ug/L	66		3		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	3.40	ug/L	68		0		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1746

Client: Portal Partners Tri-Venture

Analytical Method: **8081B** **Datafile :** PL095232.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167535BS	gamma-BHC (Lindane)	0.5	0.46	ug/L	92				40 (82)	140 (129)	
	Heptachlor	0.5	0.50	ug/L	100				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.49	ug/L	98				40 (81)	140 (124)	
	Endrin	0.5	0.52	ug/L	105				40 (81)	140 (128)	
	Methoxychlor	0.5	0.52	ug/L	104				40 (78)	140 (108)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167535BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1746

SAS No.: Q1746 SDG NO.: Q1746

Lab Sample ID: PB167535BL

Lab File ID: PL095154.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/09/2025

Date Analyzed (1): 04/09/2025

Date Analyzed (2): 04/09/2025

Time Analyzed (1): 21:29

Time Analyzed (2): 21:29

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
WC-LIQUID-20250404MS	Q1739-02MS	PL095145.D	04/09/2025	04/09/2025
WC-LIQUID-20250404MSD	Q1739-02MSD	PL095146.D	04/09/2025	04/09/2025
PB167517TB	PB167517TB	PL095157.D	04/09/2025	04/09/2025
B-149-SB01	Q1746-02	PL095160.D	04/09/2025	04/09/2025
B-149-SB02	Q1746-04	PL095161.D	04/09/2025	04/09/2025
PB167535BS	PB167535BS	PL095232.D	04/15/2025	04/15/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/09/25
Client Sample ID:	PB167517TB	SDG No.:	Q1746
Lab Sample ID:	PB167517TB	Matrix:	TCLP
Analytical Method:	SW8081	% 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
PL095157.D	1	04/09/25 12:50	04/09/25 22:10	PB167535

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	20.8		30 (43) - 150 (140)	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		30 (77) - 150 (126)	97%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095157.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 22:10
 Operator : AR\AJ
 Sample : PB167517TB
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167517TB

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:27:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	52050953	69105365	18.388	19.361
28) SA Decachlor...	9.045	7.897	43763771	79532178	20.766	19.689

Target Compounds

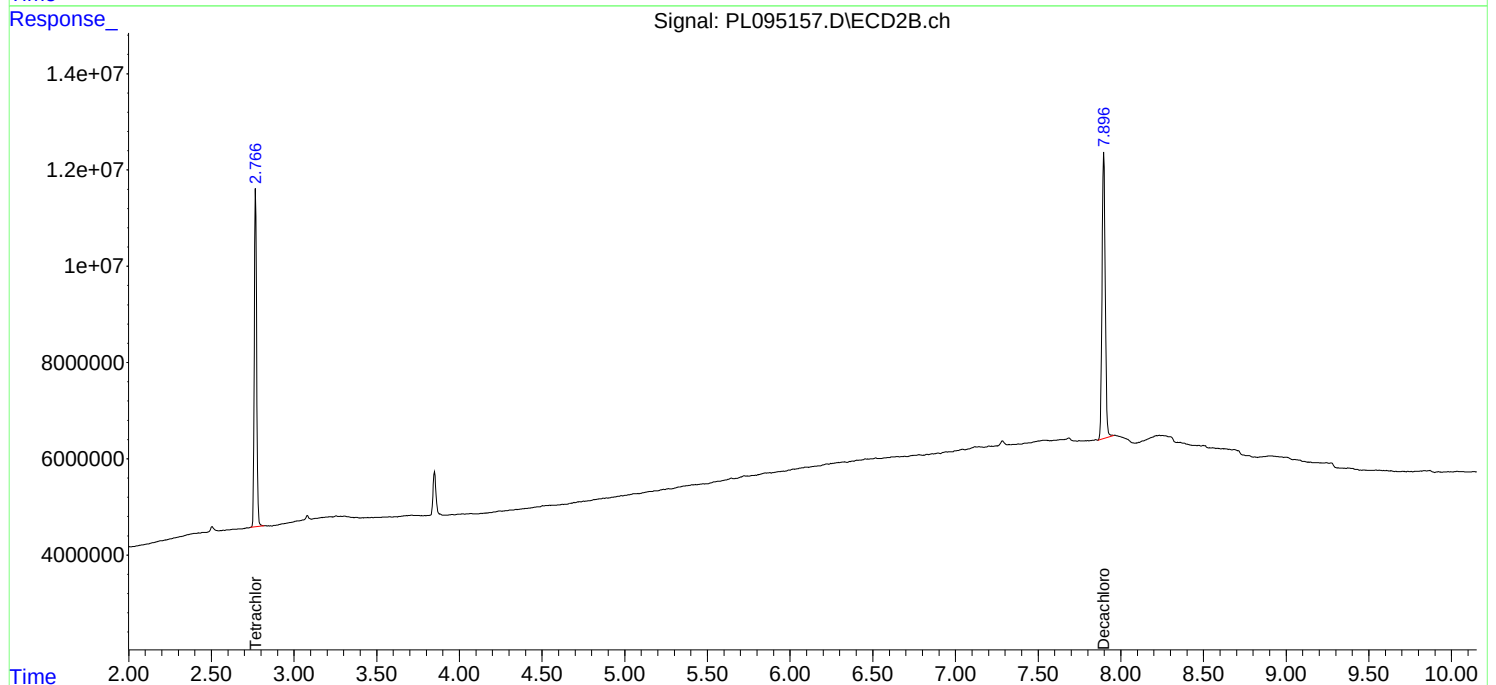
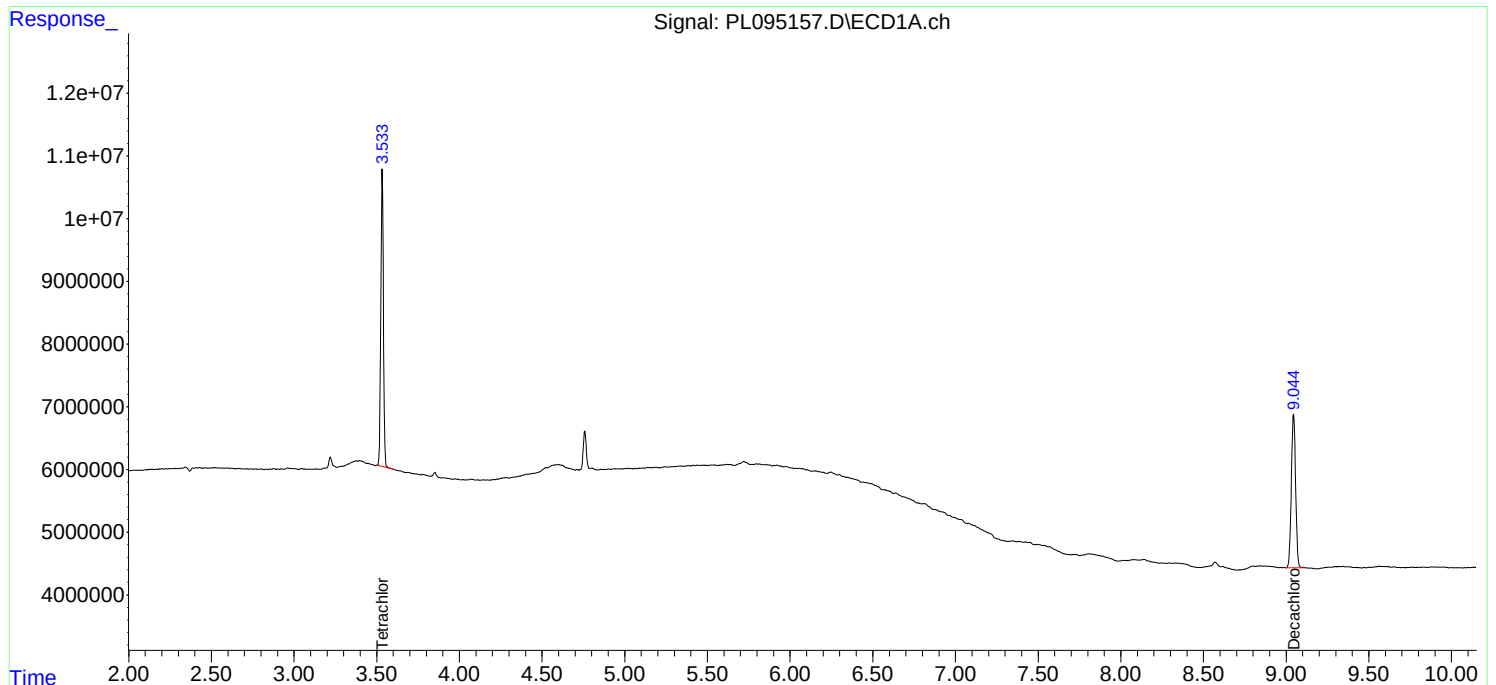
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

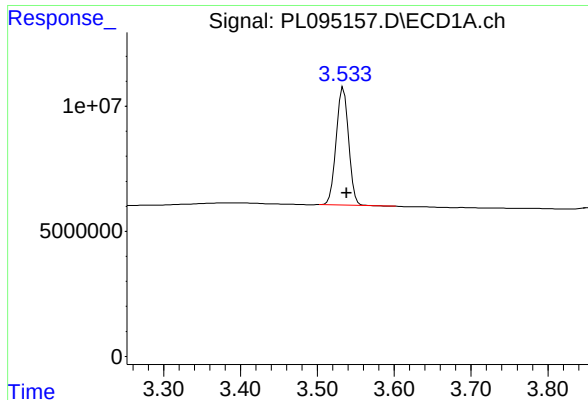
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095157.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 22:10
Operator : AR\AJ
Sample : PB167517TB
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167517TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:27:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

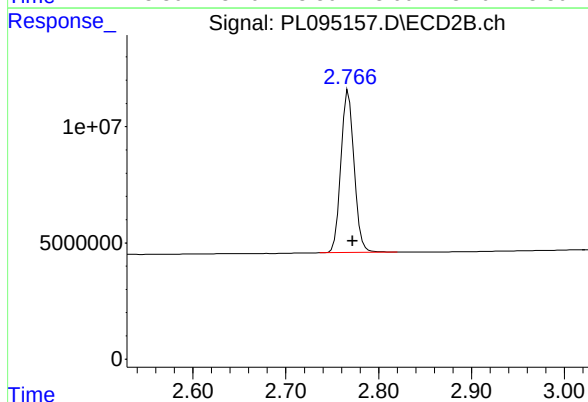




#1 Tetrachloro-m-xylene

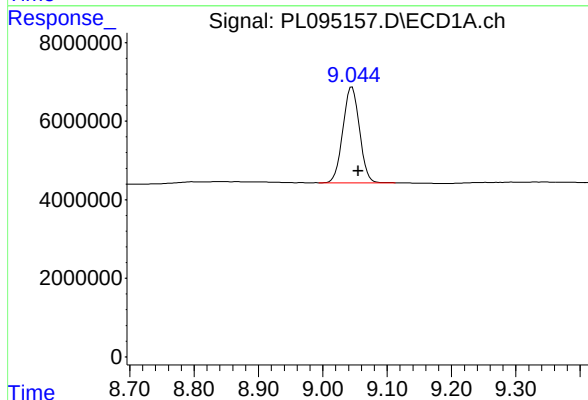
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 52050953
Conc: 18.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167517TB



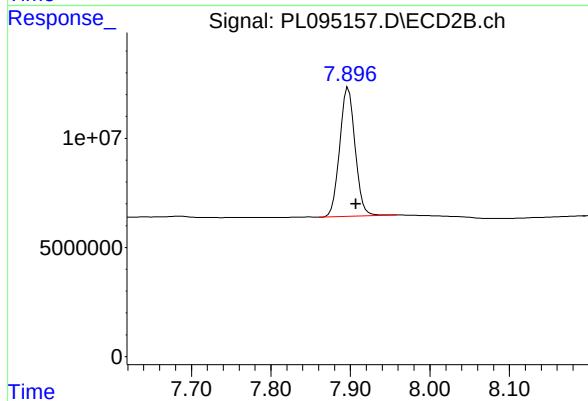
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 69105365
Conc: 19.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.045 min
Delta R.T.: -0.010 min
Response: 43763771
Conc: 20.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.897 min
Delta R.T.: -0.009 min
Response: 79532178
Conc: 19.69 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-02	Matrix:	TCLP
Analytical Method:	SW8081	% 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	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095160.D	1	04/09/25 12:50	04/09/25 22:51	PB167535

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	23.5		30 (43) - 150 (140)	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		30 (77) - 150 (126)	97%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095160.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 22:51
 Operator : AR\AJ
 Sample : Q1746-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 B-149-SB01

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/10/2025
 Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:27:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.533	2.768	49582347	69239865	17.516m	19.399
28) SA Decachlor...	9.046	7.897	49512487	88136641	23.494	21.819

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095160.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 22:51
Operator : AR\AJ
Sample : Q1746-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

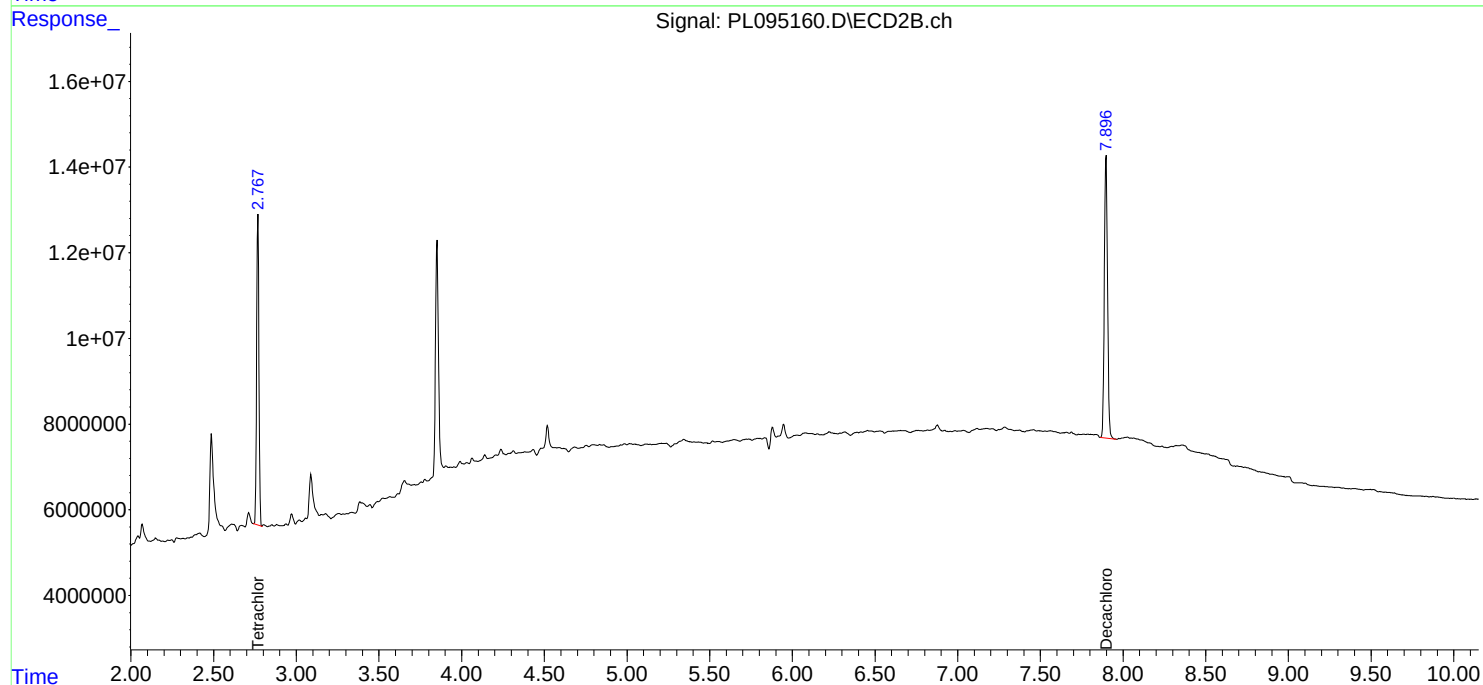
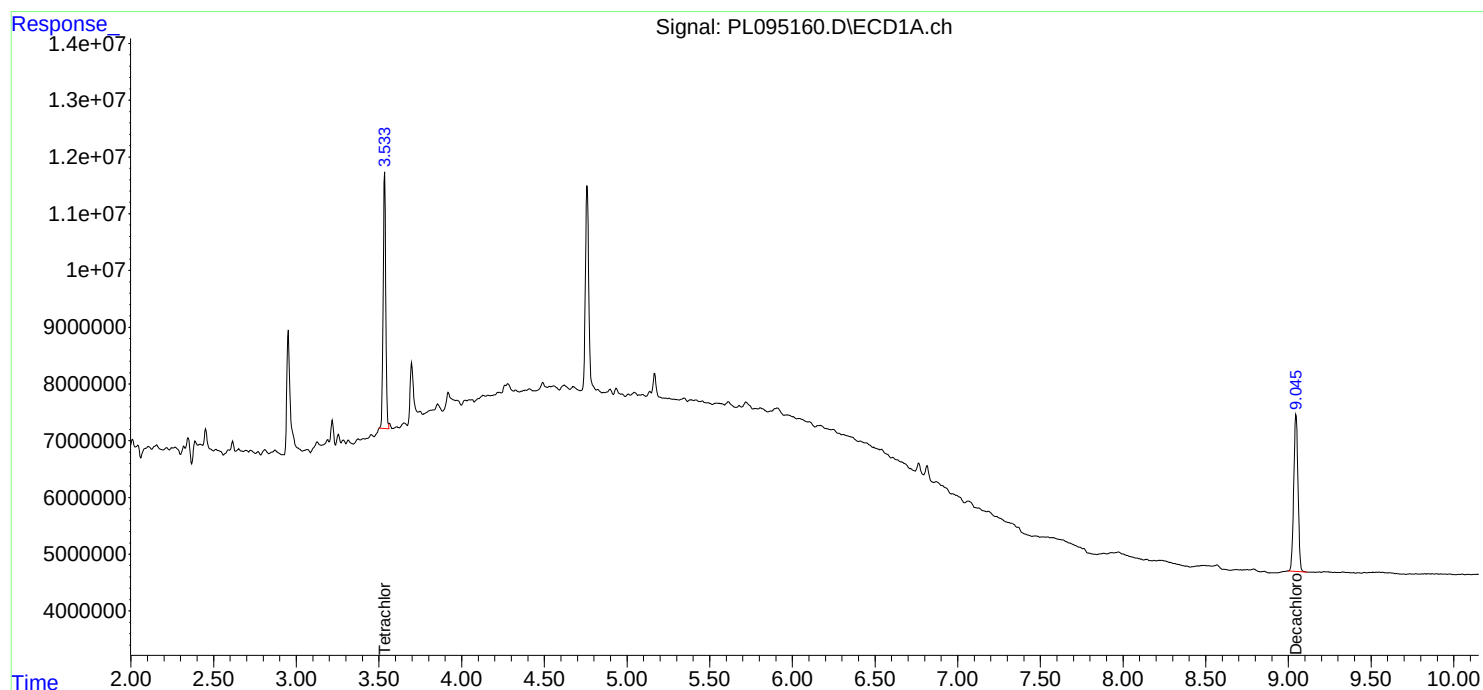
Instrument :
ECD_L
ClientSampleId :
B-149-SB01

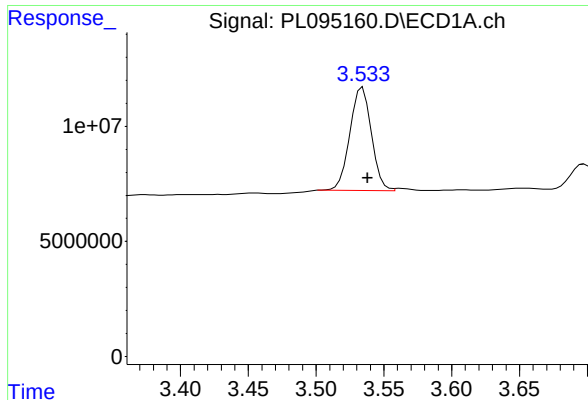
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/10/2025
Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:27:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





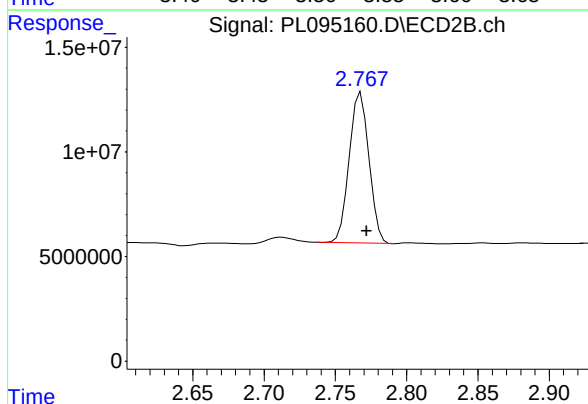
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 49582347
Conc: 17.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-149-SB01

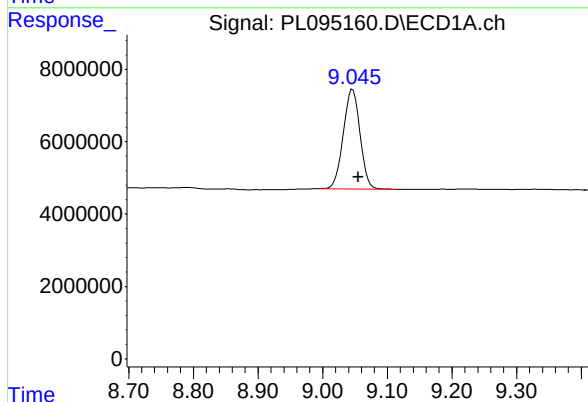
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



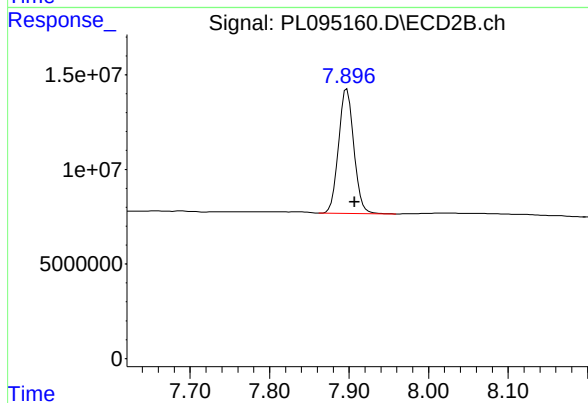
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 69239865
Conc: 19.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.046 min
Delta R.T.: -0.009 min
Response: 49512487
Conc: 23.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.897 min
Delta R.T.: -0.009 min
Response: 88136641
Conc: 21.82 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-04	Matrix:	TCLP
Analytical Method:	SW8081	% 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	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095161.D	1	04/09/25 12:50	04/09/25 23:05	PB167535

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	23.3		30 (43) - 150 (140)	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		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\PL040925\
 Data File : PL095161.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 23:05
 Operator : AR\AJ
 Sample : Q1746-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 B-149-SB02

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/10/2025
 Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:27:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.533	2.787	49244616	69759800	17.397m	19.545m
28) SA Decachlor...	9.046	7.918	49163019	90461468	23.328	22.395

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 23:05
Operator : AR\AJ
Sample : Q1746-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

B-149-SB02

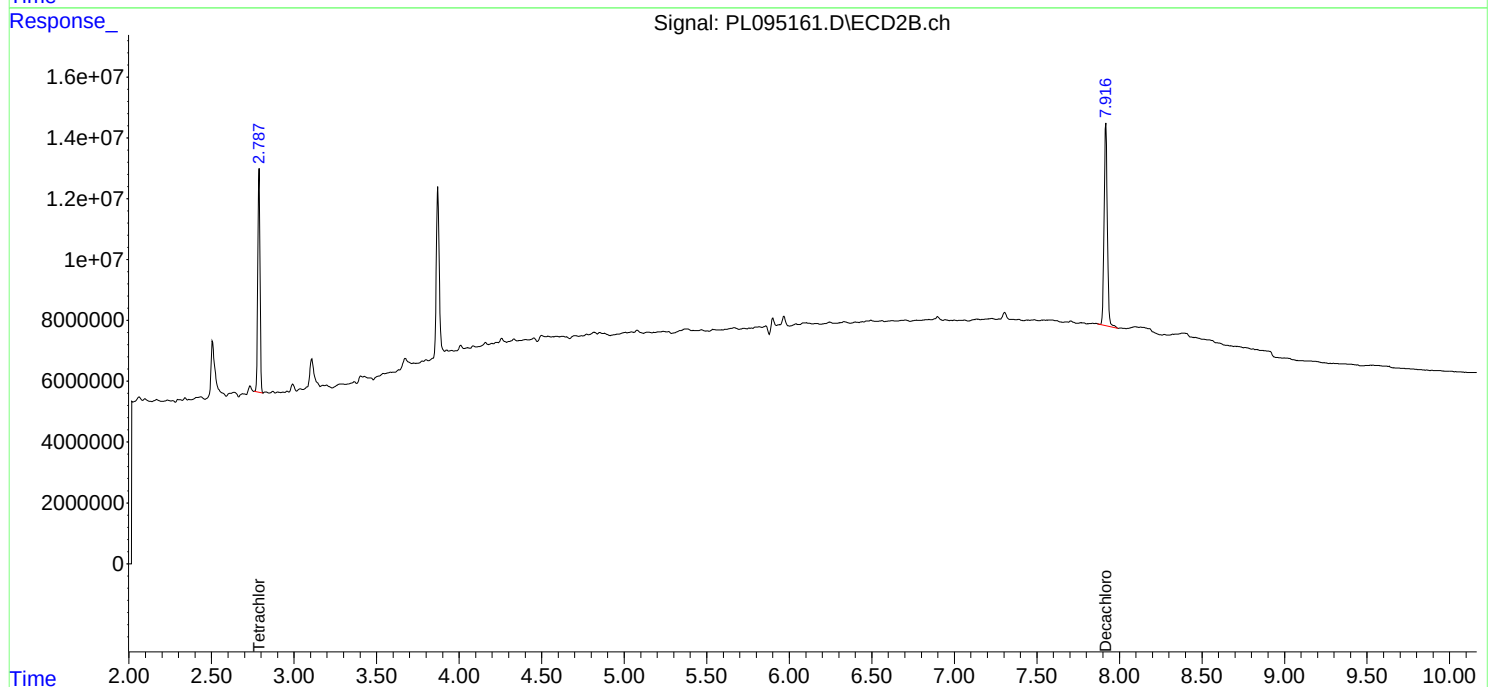
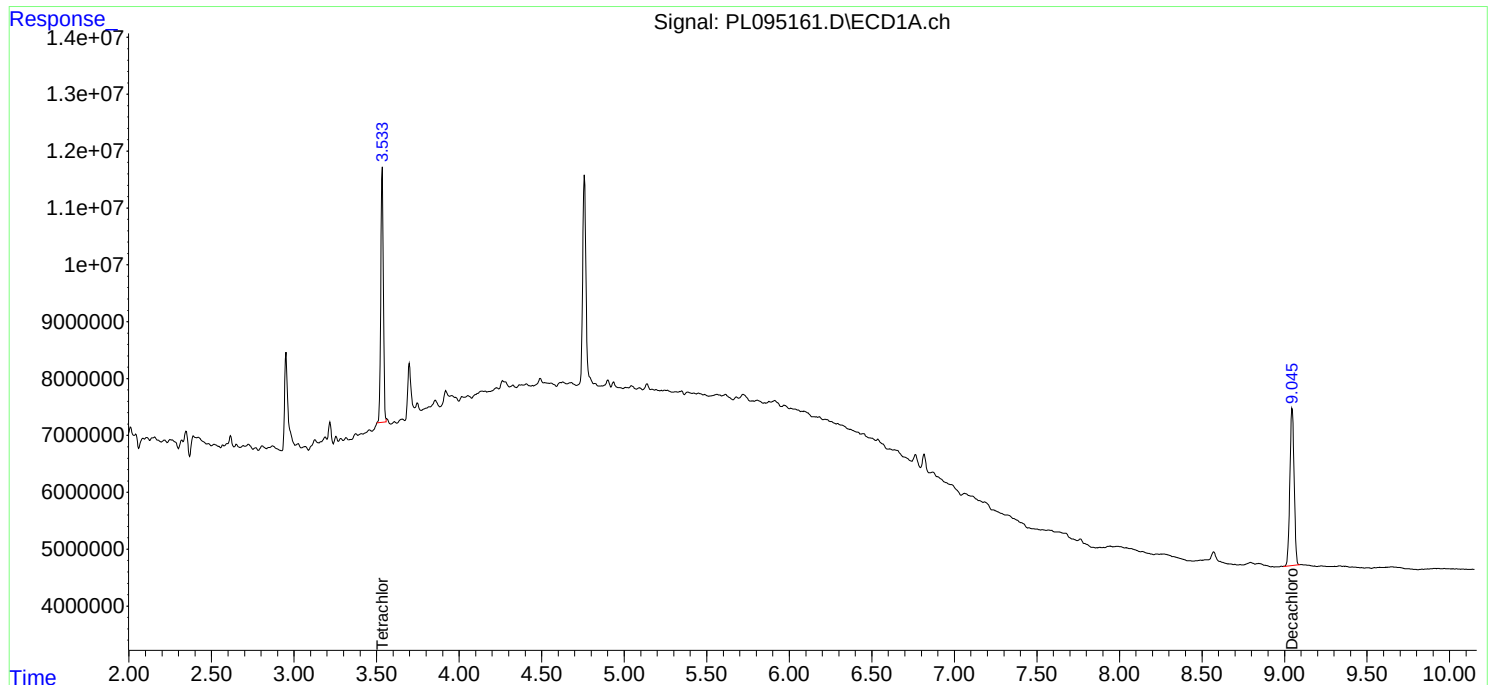
Manual Integrations**APPROVED**

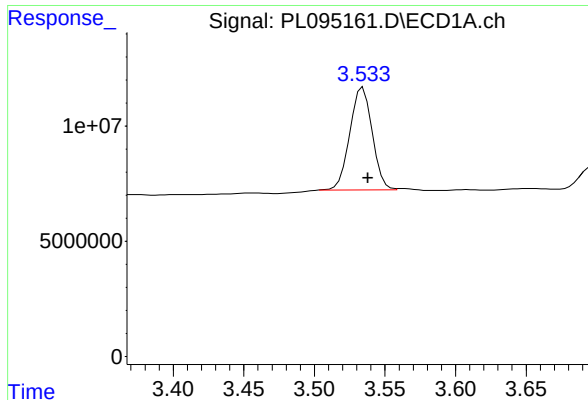
Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:27:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





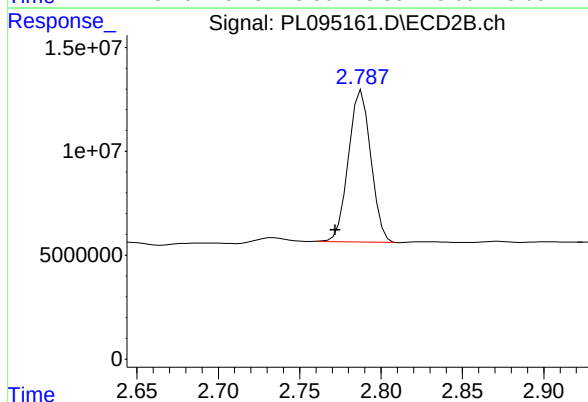
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 49244616
Conc: 17.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-149-SB02

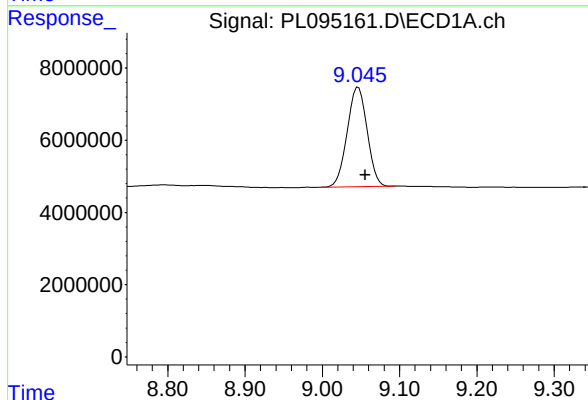
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



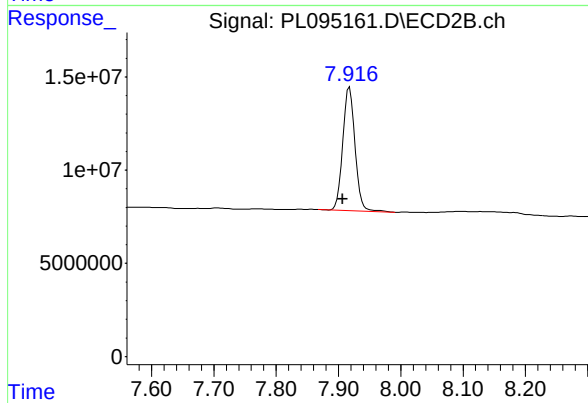
#1 Tetrachloro-m-xylene

R.T.: 2.787 min
Delta R.T.: 0.015 min
Response: 69759800
Conc: 19.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.046 min
Delta R.T.: -0.009 min
Response: 49163019
Conc: 23.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.011 min
Response: 90461468
Conc: 22.40 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: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: ECD_L

Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 10:35 11:29

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

LAB FILE ID:		CF 100 =	<u>PL094569.D</u>	CF 075 =	<u>PL094570.D</u>		
CF 050 =		<u>PL094571.D</u>	CF 025 =	<u>PL094572.D</u>	CF 005 =	<u>PL094573.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1938960000	1961100000	2020410000	2196220000	2420590000	2107460000	10
Endrin	2585940000	2584670000	2628790000	2810860000	3250100000	2772070000	10
gamma-BHC (Lindane)	3886090000	3824550000	3841420000	4060770000	4338530000	3990270000	5
Heptachlor	3645730000	3661000000	3717820000	3965990000	4417600000	3881630000	8
Heptachlor epoxide	3127680000	3124100000	3197280000	3386170000	3890740000	3345200000	10
Methoxychlor	1109170000	1148450000	1148150000	1275940000	1303650000	1197070000	7
Tetrachloro-m-xylene	2677630000	2681900000	2722740000	2922670000	3148400000	2830670000	7



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: ECD_L

Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 10:35 11:29

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

LAB FILE ID:		CF 100 =	<u>PL094569.D</u>	CF 075 =	<u>PL094570.D</u>		
CF 050 =	<u>PL094571.D</u>	CF 025 =	<u>PL094572.D</u>	CF 005 =	<u>PL094573.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3950320000	3868520000	3903950000	4095240000	4378770000	4039360000	5
Endrin	4434550000	4325290000	4326060000	4330520000	4401830000	4363650000	1
gamma-BHC (Lindane)	5372230000	5230100000	5132530000	5070750000	4891640000	5139450000	3
Heptachlor	5363060000	5262730000	5228770000	5273220000	5215450000	5268650000	1
Heptachlor epoxide	4619190000	4519300000	4529520000	4593130000	4631780000	4578580000	1
Methoxychlor	2089160000	2085630000	2099350000	2155560000	2175640000	2121070000	2
Tetrachloro-m-xylene	3572520000	3517330000	3502400000	3623970000	3630140000	3569270000	2



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: ECD_L Date(s) Analyzed: 03/11/2025 03/11/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.70	4.60	4.80	134630000
		2	5.23	5.13	5.33	144652000
		3	5.94	5.84	6.04	464863000
		4	6.02	5.92	6.12	547710000
		5	6.87	6.77	6.97	104488000
Toxaphene	500	1	6.24	6.14	6.34	25951700
		2	6.44	6.34	6.54	16397600
		3	7.06	6.96	7.16	82030600
		4	7.15	7.05	7.25	62943200
		5	7.93	7.83	8.03	45040400



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: ECD_L Date(s) Analyzed: 03/11/2025 03/11/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.77	3.67	3.87	148442000
		2	4.35	4.25	4.45	174676000
		3	4.97	4.87	5.07	522517000
		4	5.04	4.94	5.14	515418000
		5	5.93	5.83	6.03	187177000
Toxaphene	500	1	5.00	4.90	5.10	26020300
		2	5.32	5.22	5.42	25489100
		3	5.68	5.58	5.78	28236400
		4	6.60	6.50	6.70	96540400
		5	7.04	6.94	7.14	93337600

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094569.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:35
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:23:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.771	267.8E6	357.3E6	99.165	100.991
28)	SA Decachlor...	9.054	7.905	193.9E6	395.0E6	97.943	100.590
Target Compounds							
2)	A alpha-BHC	3.994	3.274	405.1E6	569.7E6	100.552	102.608
3)	MA gamma-BHC...	4.327	3.604	388.6E6	537.2E6	100.578	102.282
4)	MA Heptachlor	4.914	3.942	364.6E6	536.3E6	99.021	101.268
5)	MB Aldrin	5.256	4.221	348.7E6	504.3E6	99.355	102.086
6)	B beta-BHC	4.525	3.904	167.3E6	219.0E6	97.941	100.407
7)	B delta-BHC	4.772	4.133	373.2E6	524.5E6	100.154	102.450
8)	B Heptachlo...	5.682	4.724	312.8E6	461.9E6	98.900	100.980
9)	A Endosulfan I	6.069	5.093	285.6E6	445.6E6	98.821	101.246
10)	B gamma-Chl...	5.939	4.974	315.2E6	494.7E6	99.127	101.813
11)	B alpha-Chl...	6.018	5.037	307.8E6	484.8E6	98.919	101.428
12)	B 4,4'-DDE	6.191	5.226	280.1E6	475.6E6	99.232	101.777
13)	MA Dieldrin	6.344	5.357	299.9E6	499.1E6	99.313	102.045
14)	MA Endrin	6.573	5.634	258.6E6	443.5E6	99.178	101.238
15)	B Endosulfa...	6.794	5.928	251.0E6	434.7E6	98.634	101.059
16)	A 4,4'-DDD	6.710	5.781	205.5E6	374.5E6	98.978	102.209
17)	MA 4,4'-DDT	7.022	6.031	225.1E6	420.6E6	99.295	102.337
18)	B Endrin al...	6.924	6.108	189.9E6	330.1E6	97.545	100.338
19)	B Endosulfa...	7.158	6.330	220.3E6	411.4E6	97.946	101.002
20)	A Methoxychlor	7.498	6.606	110.9E6	208.9E6	98.022m	99.757
21)	B Endrin ke...	7.643	6.836	248.5E6	478.7E6	99.610	100.842
22)	Mirex	8.115	7.015	184.4E6	365.6E6	96.823m	99.620

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:35
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

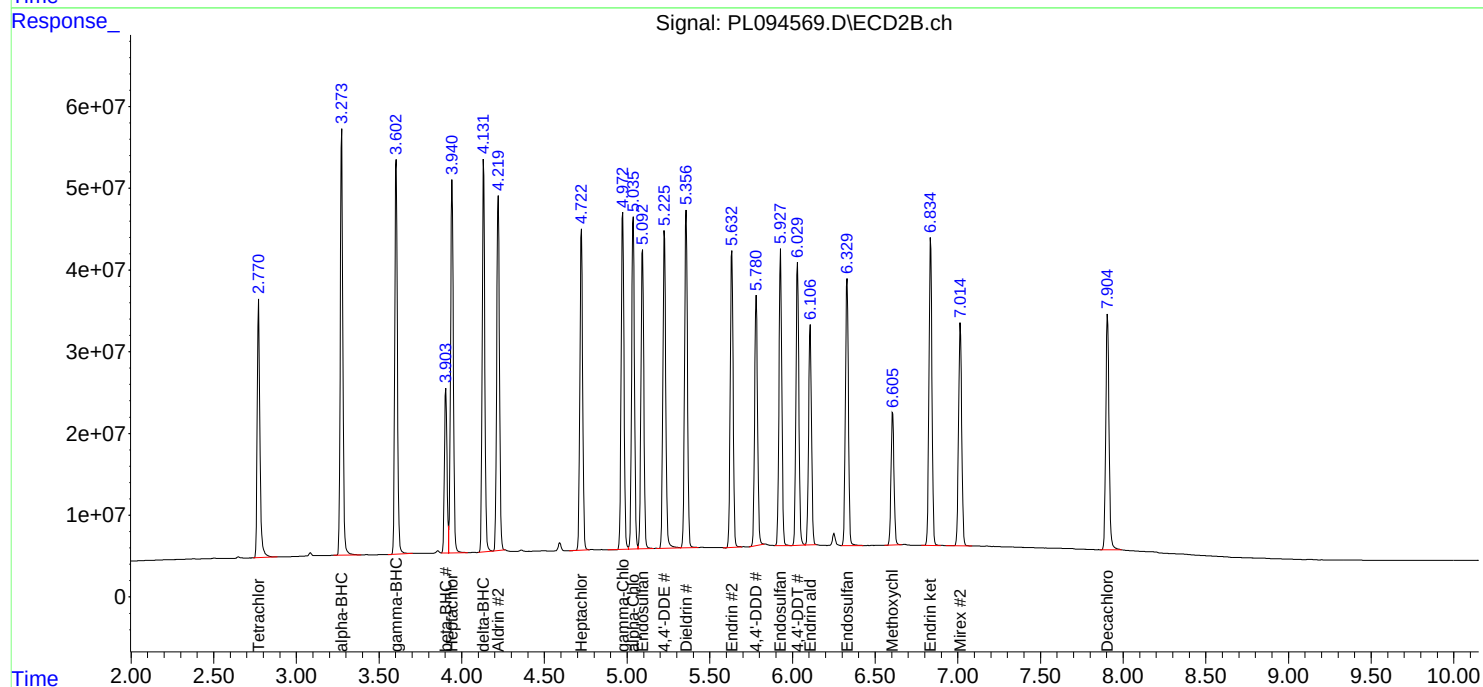
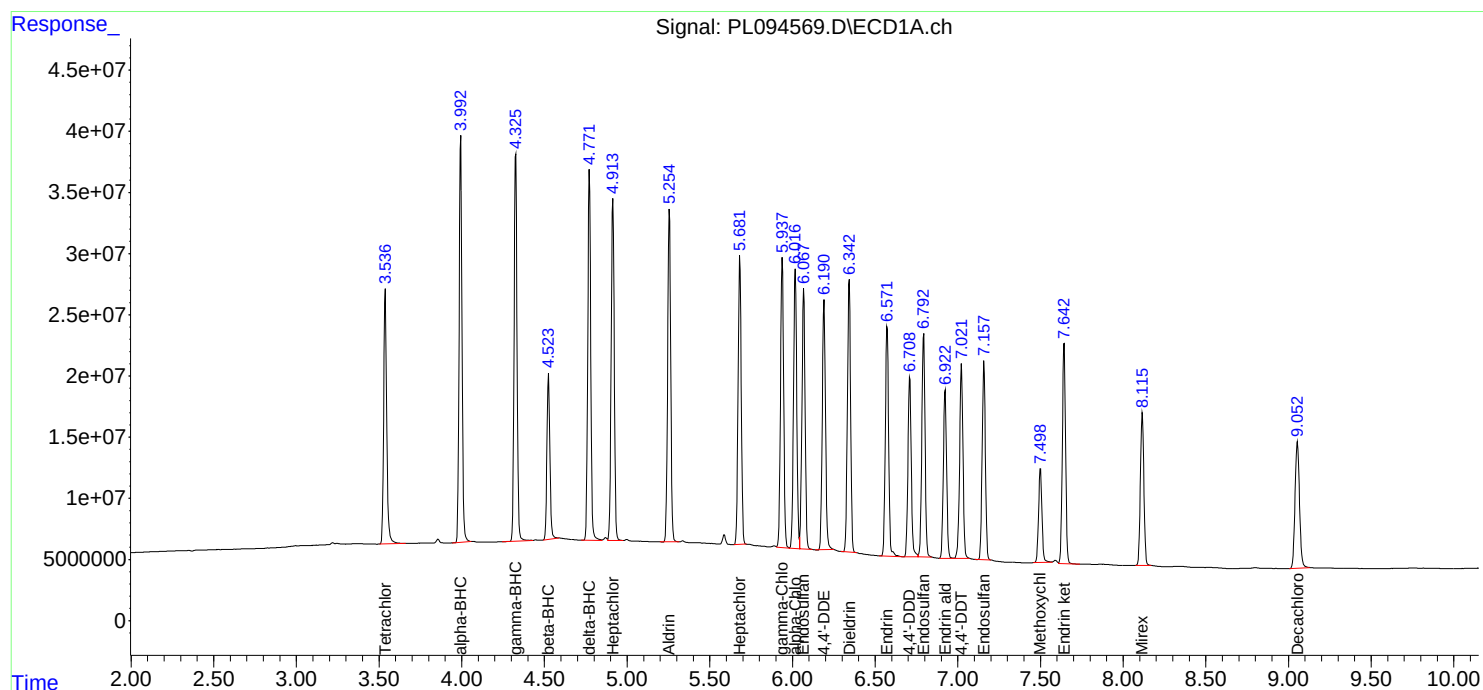
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:23:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094570.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:49
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:25:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.771	201.1E6	263.8E6	74.661	74.715
28) SA Decachlor...	9.055	7.907	147.1E6	290.1E6	74.529	74.250
Target Compounds						
2) A alpha-BHC	3.994	3.274	299.7E6	415.1E6	74.590	74.846
3) MA gamma-BHC...	4.327	3.604	286.8E6	392.3E6	74.491	74.788
4) MA Heptachlor	4.915	3.942	274.6E6	394.7E6	74.717	74.686
5) MB Aldrin	5.256	4.221	261.3E6	367.8E6	74.639	74.632
6) B beta-BHC	4.525	3.905	126.6E6	161.7E6	74.425	74.433
7) B delta-BHC	4.773	4.133	276.2E6	381.6E6	74.421	74.685
8) B Heptachlo...	5.683	4.724	234.3E6	338.9E6	74.391	74.396
9) A Endosulfan I	6.068	5.094	214.1E6	327.1E6	74.379	74.540
10) B gamma-Chl...	5.939	4.974	236.0E6	360.5E6	74.469	74.458
11) B alpha-Chl...	6.018	5.038	230.0E6	353.6E6	74.279	74.319
12) B 4,4'-DDE	6.192	5.226	209.3E6	344.3E6	74.444	74.114
13) MA Dieldrin	6.343	5.358	223.3E6	363.9E6	74.299	74.605
14) MA Endrin	6.574	5.634	193.9E6	324.4E6	74.564	74.369
15) B Endosulfa...	6.793	5.928	187.1E6	317.8E6	74.019	74.259
16) A 4,4'-DDD	6.710	5.781	152.9E6	270.0E6	74.080	74.117
17) MA 4,4'-DDT	7.024	6.032	169.4E6	304.6E6	74.825	74.399
18) B Endrin al...	6.924	6.108	143.4E6	242.5E6	74.079	74.128
19) B Endosulfa...	7.158	6.331	167.1E6	298.4E6	74.536	73.822
20) A Methoxychlor	7.500	6.607	86133491	156.4E6	75.871	74.794
21) B Endrin ke...	7.644	6.836	186.7E6	352.0E6	74.884	74.420
22) Mirex	8.115	7.015	140.5E6	271.3E6	74.155m	74.275

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:49
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

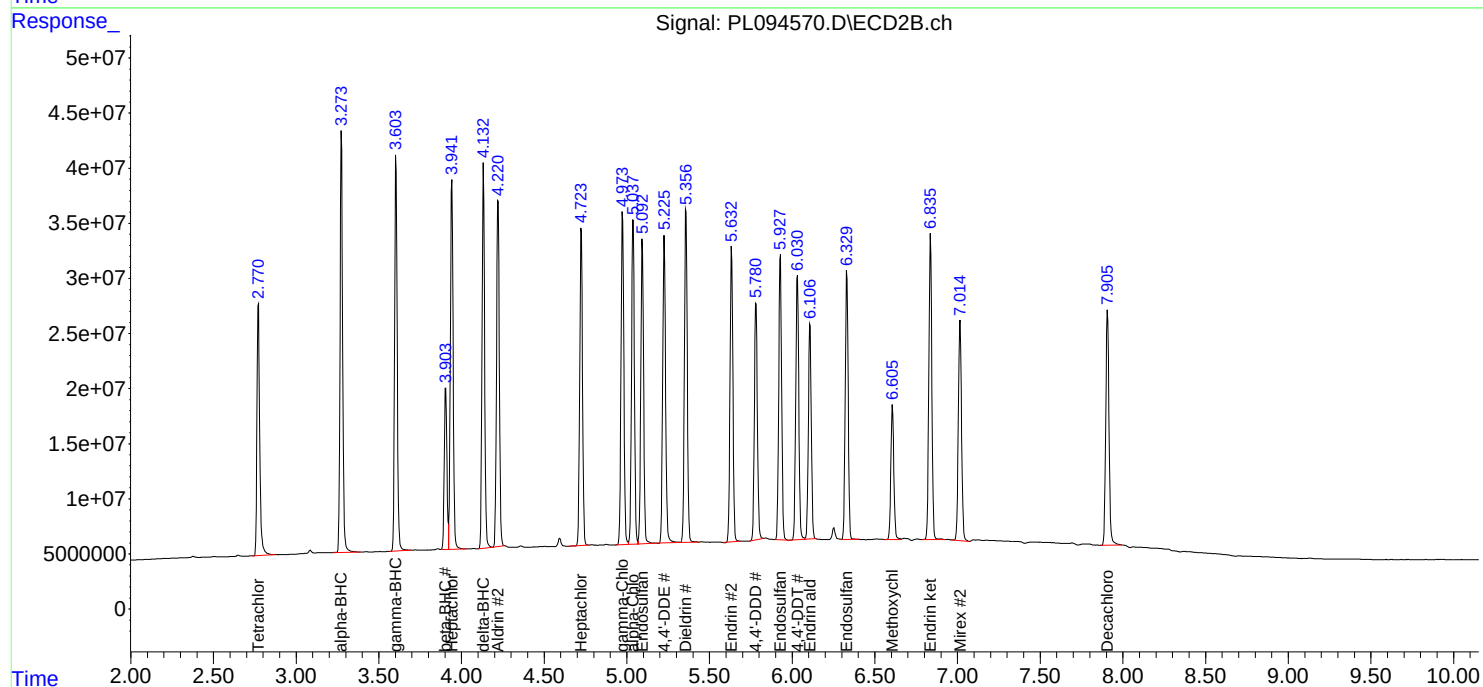
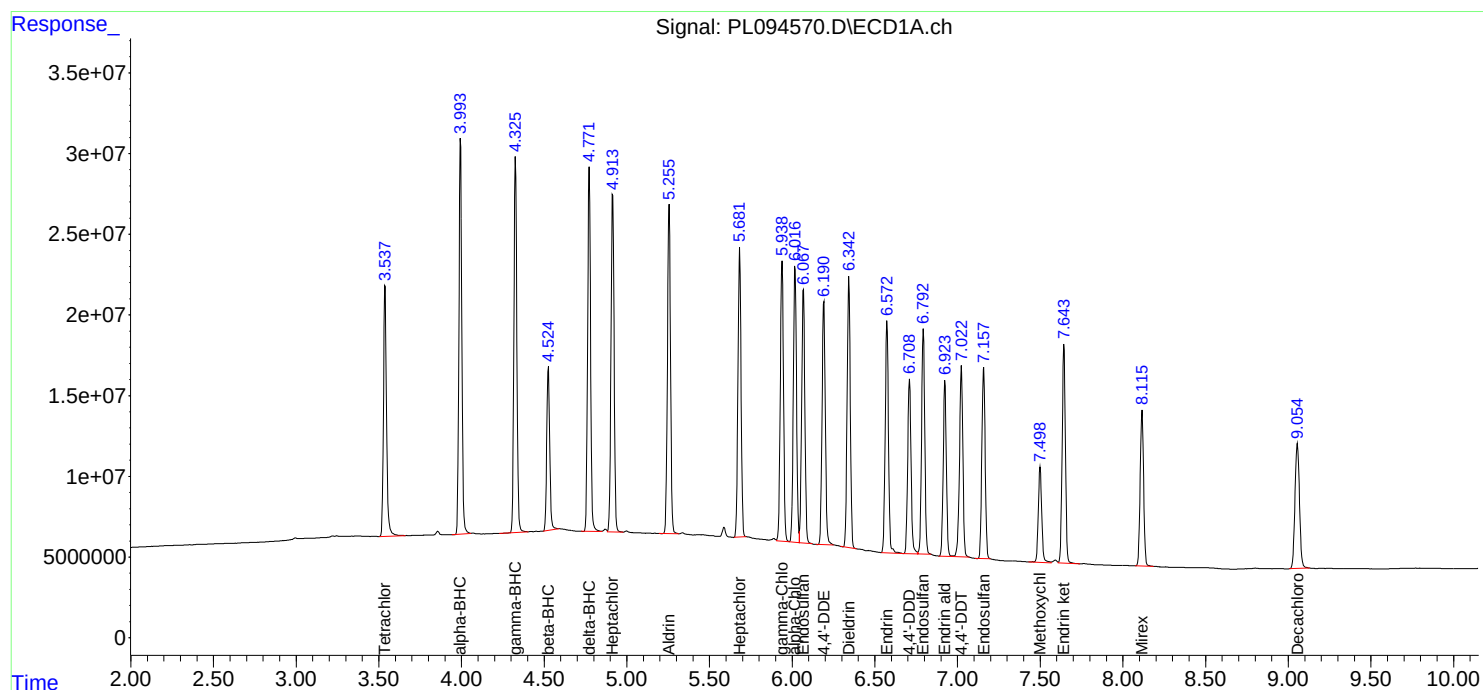
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:25:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094571.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:02
 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: Mar 11 17:20:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.772	136.1E6	175.1E6	50.000	50.000
28)	SA Decachlor...	9.056	7.907	101.0E6	195.2E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.994	3.274	200.3E6	270.4E6	50.000	50.000
3)	MA gamma-BHC...	4.327	3.604	192.1E6	256.6E6	50.000	50.000
4)	MA Heptachlor	4.915	3.942	185.9E6	261.4E6	50.000	50.000
5)	MB Aldrin	5.256	4.222	176.6E6	241.9E6	50.000	50.000
6)	B beta-BHC	4.525	3.905	87145707	108.6E6	50.000	50.000
7)	B delta-BHC	4.773	4.133	186.0E6	249.7E6	50.000	50.000
8)	B Heptachlo...	5.683	4.725	159.9E6	226.5E6	50.000	50.000
9)	A Endosulfan I	6.069	5.094	146.2E6	217.3E6	50.000	50.000
10)	B gamma-Chl...	5.940	4.974	160.4E6	238.5E6	50.000	50.000
11)	B alpha-Chl...	6.018	5.038	157.3E6	235.6E6	50.000	50.000
12)	B 4,4'-DDE	6.193	5.227	142.2E6	229.5E6	50.000	50.000
13)	MA Dieldrin	6.344	5.358	152.0E6	239.6E6	50.000	50.000
14)	MA Endrin	6.574	5.634	131.4E6	216.3E6	50.000	50.000
15)	B Endosulfa...	6.794	5.929	129.0E6	212.8E6	50.000	50.000
16)	A 4,4'-DDD	6.710	5.782	104.9E6	179.1E6	50.000	50.000
17)	MA 4,4'-DDT	7.024	6.032	114.1E6	200.7E6	50.000	50.000
18)	B Endrin al...	6.924	6.108	99751178	164.0E6	50.000	50.000
19)	B Endosulfa...	7.159	6.331	114.8E6	201.6E6	50.000	50.000
20)	A Methoxychlor	7.500	6.607	57407619	105.0E6	50.000	50.000
21)	B Endrin ke...	7.644	6.836	125.2E6	235.4E6	50.000	50.000
22)	Mirex	8.117	7.016	98343828	184.2E6	50.000	50.000

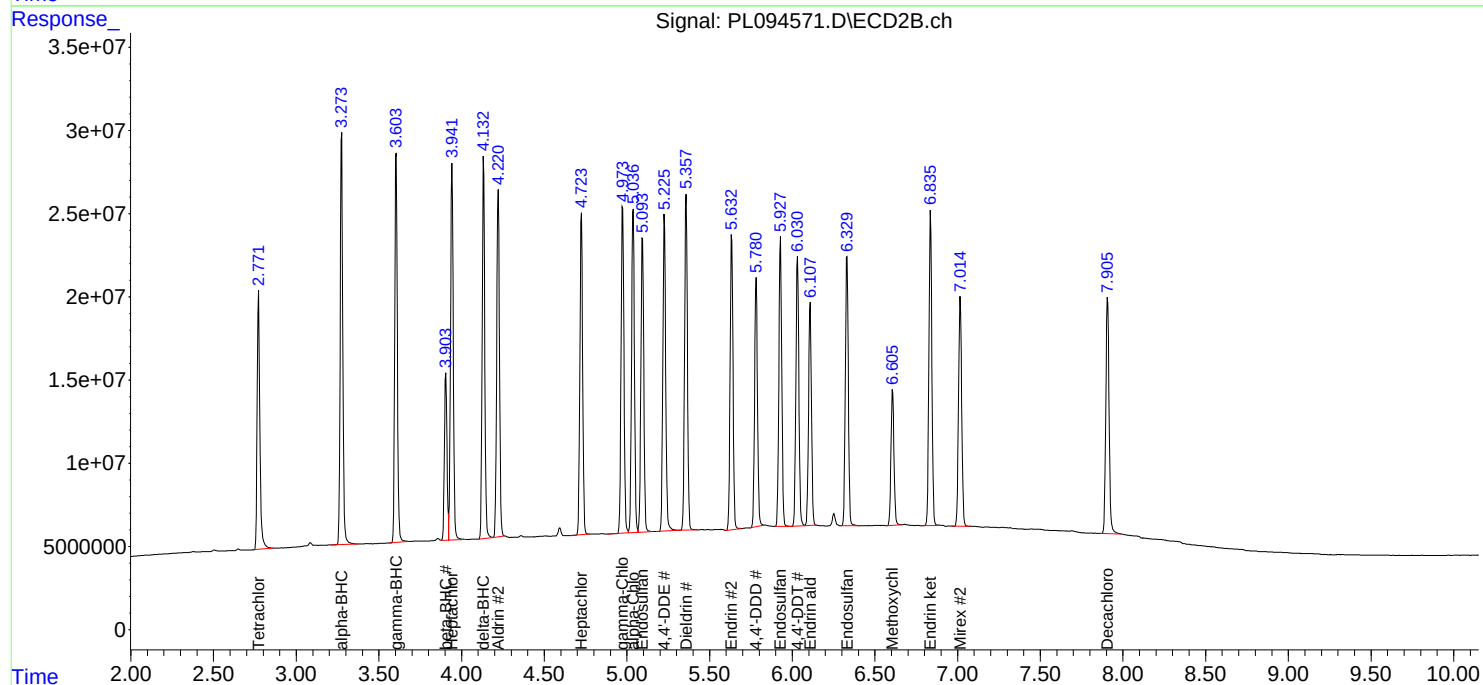
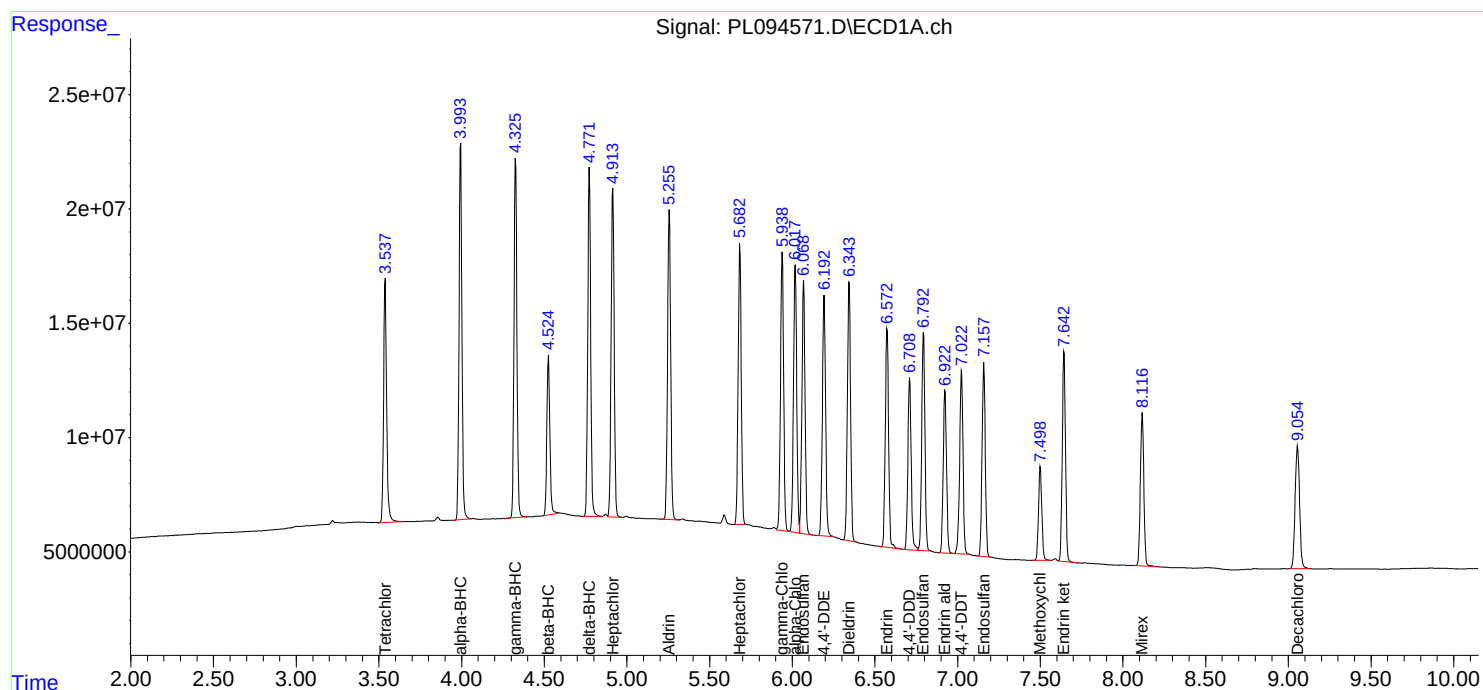
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:02
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: Mar 11 17:20:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094572.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:16
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:28:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.772	73066671	90599228	26.558	25.492
28)	SA Decachlor...	9.055	7.907	54905551	102.4E6	27.058	25.890
Target Compounds							
2)	A alpha-BHC	3.994	3.274	105.2E6	134.6E6	25.874	24.443
3)	MA gamma-BHC...	4.327	3.604	101.5E6	126.8E6	26.009	24.372
4)	MA Heptachlor	4.914	3.942	99149732	131.8E6	26.457	24.959
5)	MB Aldrin	5.256	4.221	94187974	120.4E6	26.402	24.569
6)	B beta-BHC	4.526	3.904	48079996	56269720	27.369	25.667
7)	B delta-BHC	4.773	4.133	98323171	123.6E6	26.102	24.383
8)	B Heptachlo...	5.683	4.724	84654368	114.8E6	26.382	25.152
9)	A Endosulfan I	6.069	5.094	78452105	109.8E6	26.656	25.025
10)	B gamma-Chl...	5.939	4.974	85736945	120.3E6	26.511	24.885
11)	B alpha-Chl...	6.018	5.038	84236346	119.0E6	26.614	25.007
12)	B 4,4'-DDE	6.192	5.226	75662927	117.7E6	26.403	25.252
13)	MA Dieldrin	6.343	5.358	81751323	121.7E6	26.614	24.964
14)	MA Endrin	6.573	5.633	70271451	108.3E6	26.492	24.865
15)	B Endosulfa...	6.794	5.928	69950473	108.6E6	26.949	25.271
16)	A 4,4'-DDD	6.709	5.781	55973758	88985458	26.562	24.571
17)	MA 4,4'-DDT	7.024	6.031	61047291	100.3E6	26.444	24.621
18)	B Endrin al...	6.924	6.108	54068010	84742965	27.140	25.673
19)	B Endosulfa...	7.158	6.330	62993381	101.9E6	27.252	25.152
20)	A Methoxychlor	7.499	6.606	31898493	53888956	27.254	25.571
21)	B Endrin ke...	7.644	6.836	68364354	121.7E6	26.773	25.550
22)	Mirex	8.116	7.015	54255455	97357778	27.632	26.224

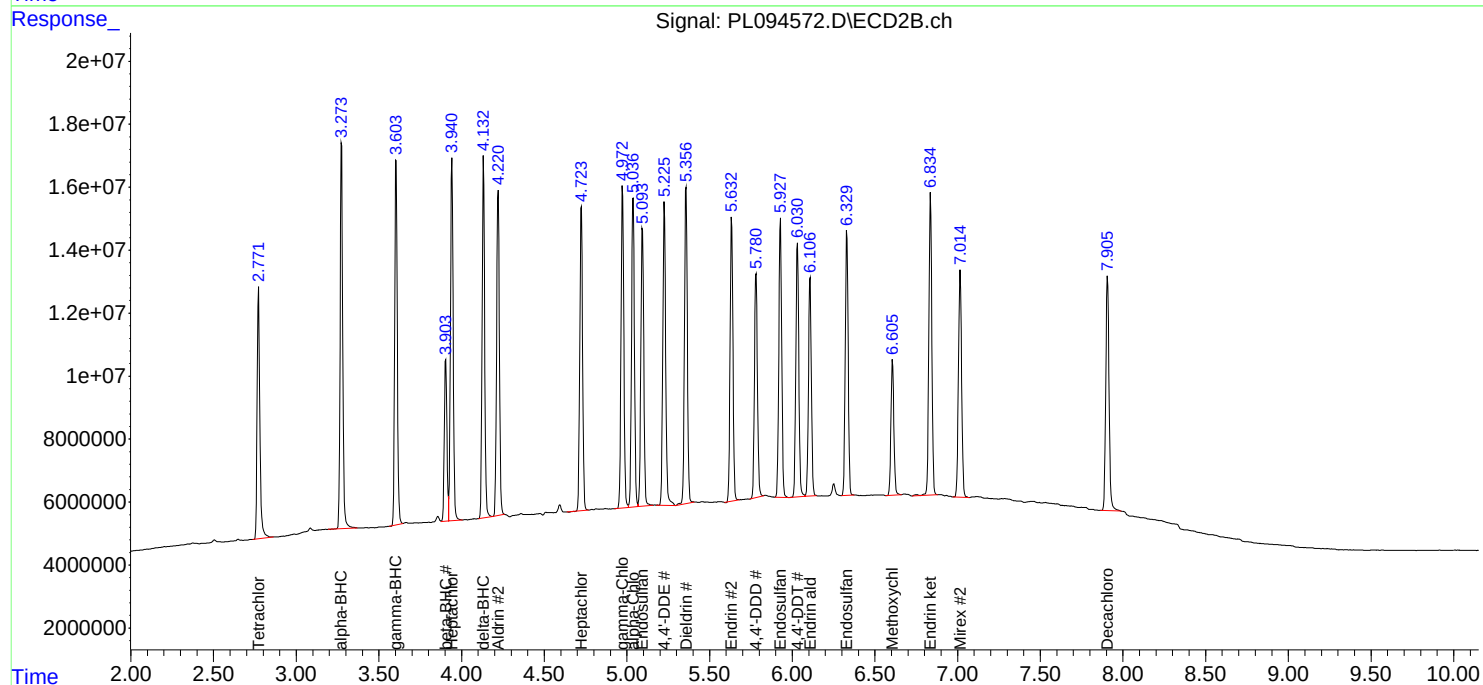
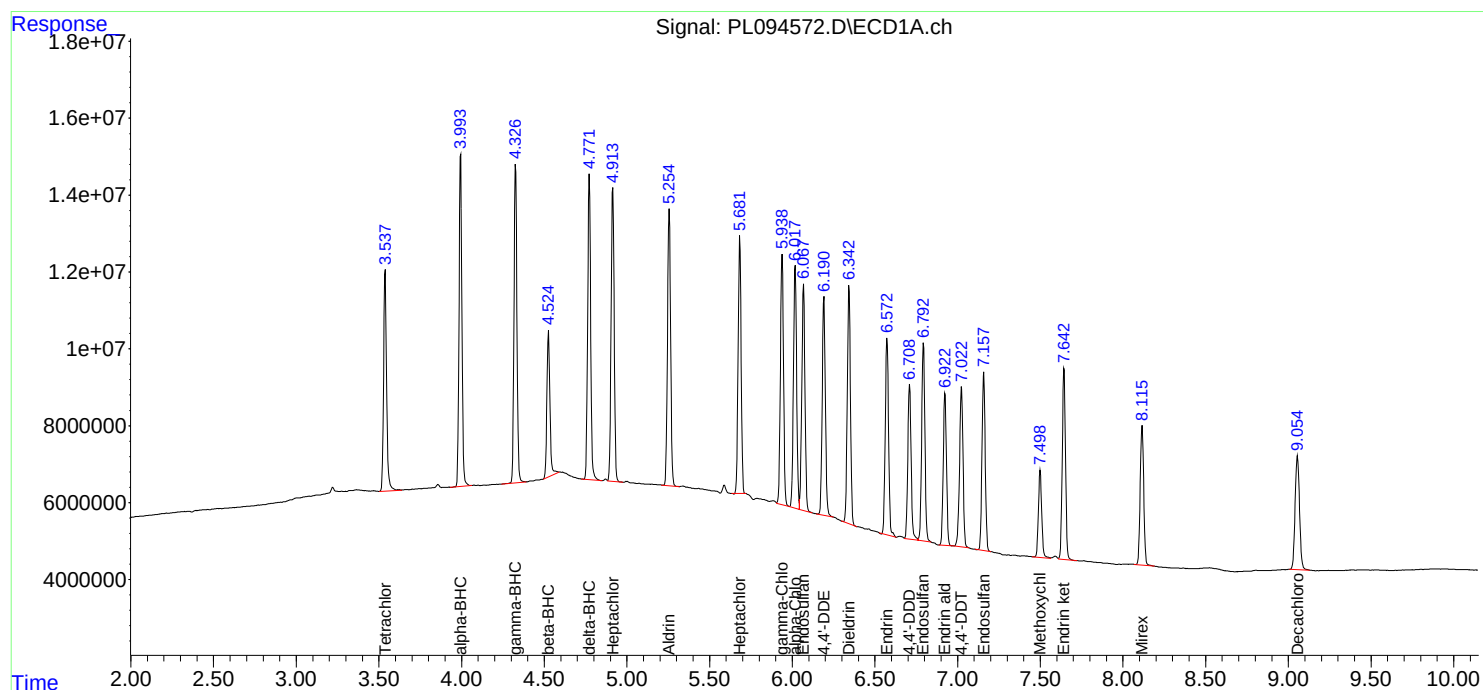
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:16
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:28:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094573.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:29
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:30:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	15742011	18150694	5.561	5.085
28) SA Decachlor...	9.054	7.907	12102935	21893845	5.743	5.420
Target Compounds						
2) A alpha-BHC	3.994	3.274	22508812	24676980	5.421	4.577
3) MA gamma-BHC...	4.327	3.604	21692650	24458202	5.436	4.759
4) MA Heptachlor	4.915	3.942	22087992	26077247	5.690	4.950
5) MB Aldrin	5.255	4.221	20957367	23908309	5.676	4.903
6) B beta-BHC	4.526	3.904	10995992	11686040	5.959	5.261
7) B delta-BHC	4.773	4.133	22020853	23699092	5.655	4.738
8) B Heptachlo...	5.683	4.724	19453698	23158906	5.815	5.058
9) A Endosulfan I	6.068	5.093	17891515	21935089	5.827	4.998
10) B gamma-Chl...	5.939	4.974	19554071	24034465	5.803	4.978
11) B alpha-Chl...	6.018	5.037	19118493	24149442	5.799	5.060
12) B 4,4'-DDE	6.192	5.224	16237816	22997354	5.519	4.945m
13) MA Dieldrin	6.343	5.356	18519033	23776399	5.791	4.897m
14) MA Endrin	6.573	5.634	16250514	22009138	5.928	5.044
15) B Endosulfa...	6.794	5.928	15955971	22294667	5.878	5.151
16) A 4,4'-DDD	6.709	5.781	12006590	17465773	5.543	4.857
17) MA 4,4'-DDT	7.023	6.031	13292713	19335325	5.589	4.795
18) B Endrin al...	6.924	6.108	12931122	18117904	6.126	5.384
19) B Endosulfa...	7.158	6.330	14569704	20835311	5.991	5.115
20) A Methoxychlor	7.500	6.607	6518266	10878189	5.445	5.129
21) B Endrin ke...	7.643	6.835	15012445	24031400	5.679	5.003m
22) Mirex	8.116	7.015	12387768	20631086	5.995	5.436

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:29
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

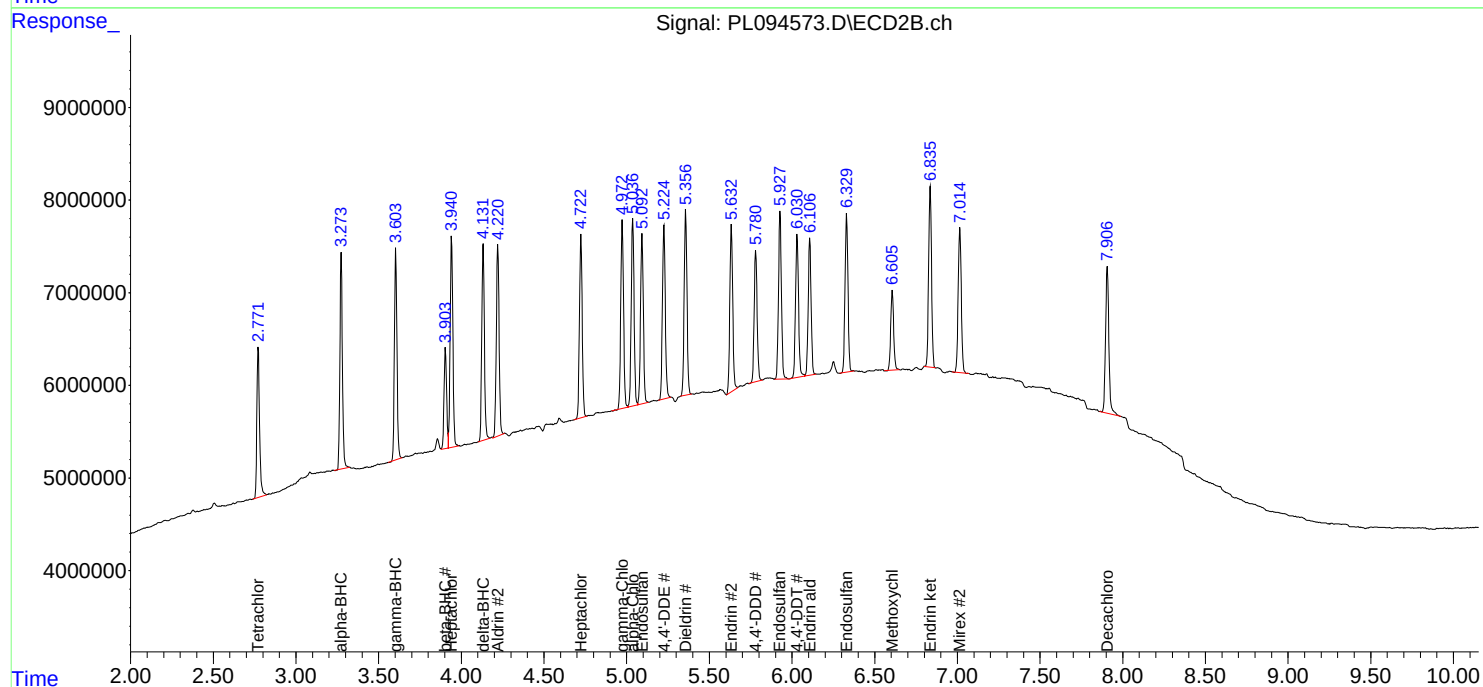
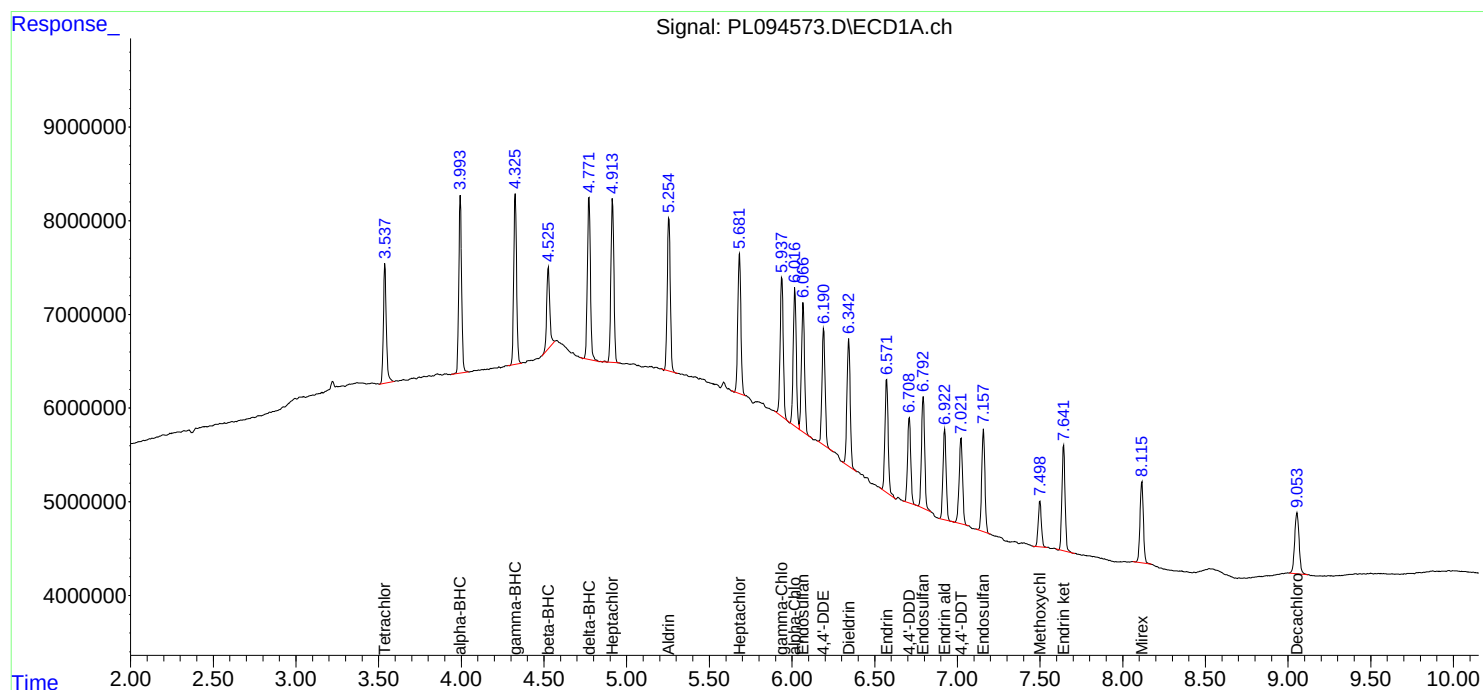
APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094576.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 12:10
 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: Mar 11 17:01:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:00:41 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...	3.538	2.771	137.6E6	217.7E6	50.000	50.000
28) SA Decachlor...	9.056	7.907	102.8E6	202.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.700	3.768	67315229	74220750	500.000	500.000
24) Chlordane-2	5.229	4.345	72325929	87338022	500.000	500.000
25) Chlordane-3	5.940	4.974	232.4E6	261.3E6	500.000	500.000
26) Chlordane-4	6.022	5.037	273.9E6	257.7E6	500.000	500.000
27) Chlordane-5	6.871	5.933	52243777	93588494	500.000	500.000

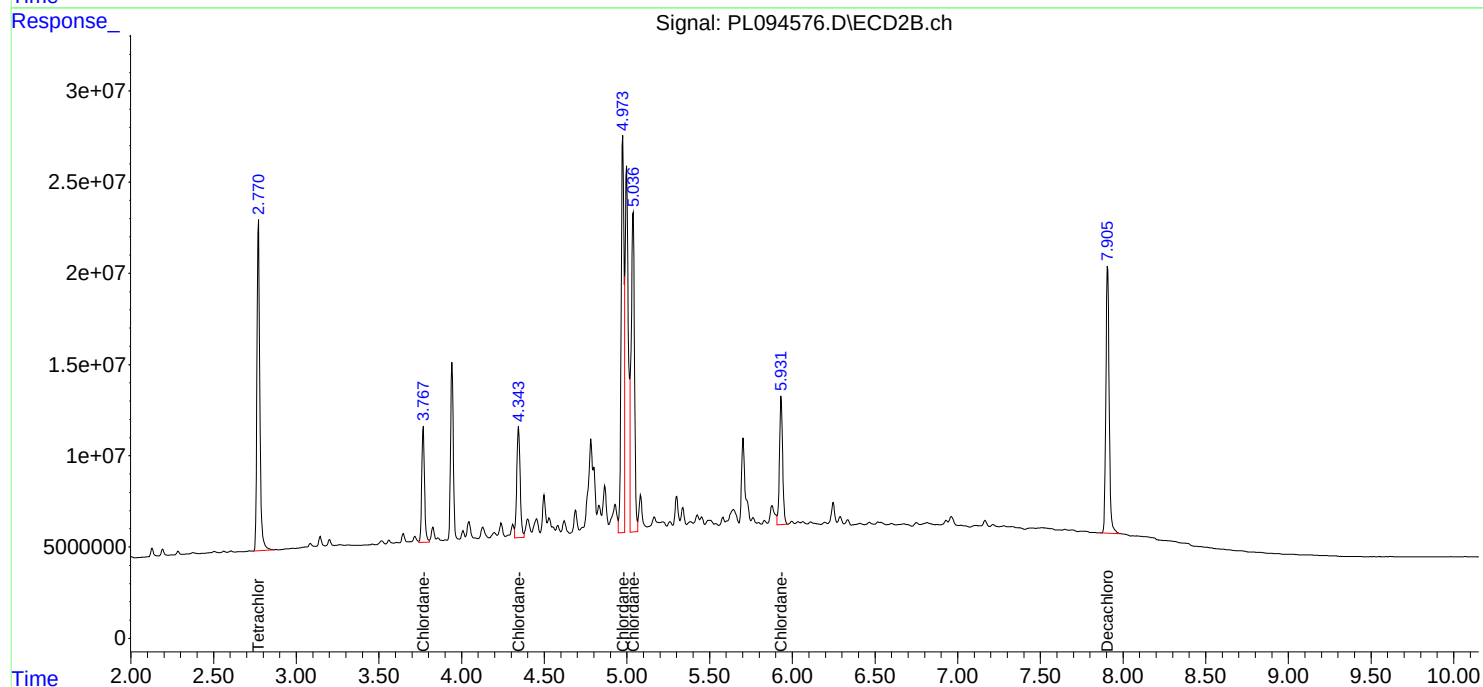
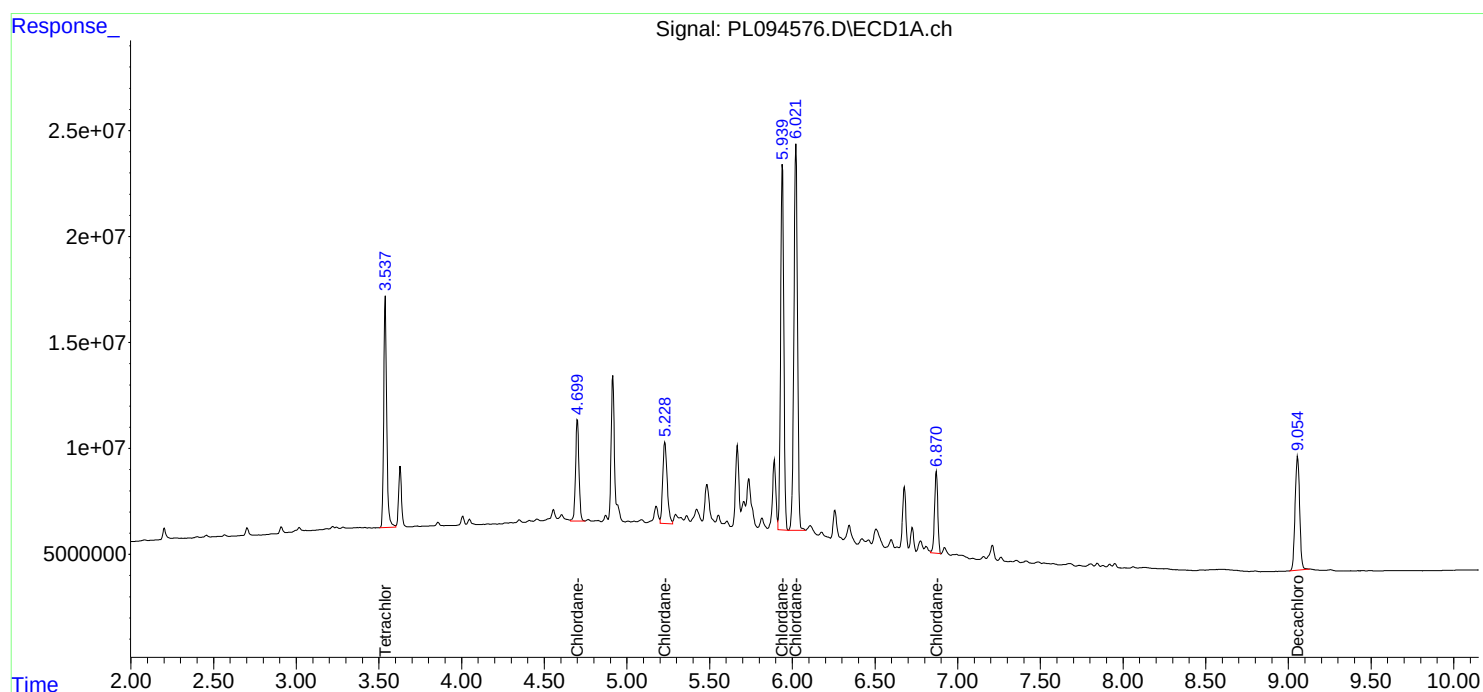
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 12:10
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: Mar 11 17:01:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:00:41 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\PL031125\
 Data File : PL094581.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 13:18
 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: Mar 11 17:48:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:48:02 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...	3.538	2.772	140.3E6	181.5E6	50.000	50.000
7) SA Decachlor...	9.054	7.907	105.5E6	210.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.236	4.999	12975869	13010166	500.000	500.000
3) Toxaphene-2	6.441	5.324	8198781	12744567	500.000	500.000
4) Toxaphene-3	7.059	5.682	41015316	14118201	500.000	500.000
5) Toxaphene-4	7.149	6.596	31471621	48270189	500.000	500.000
6) Toxaphene-5	7.934	7.038	22520220	46668809	500.000	500.000

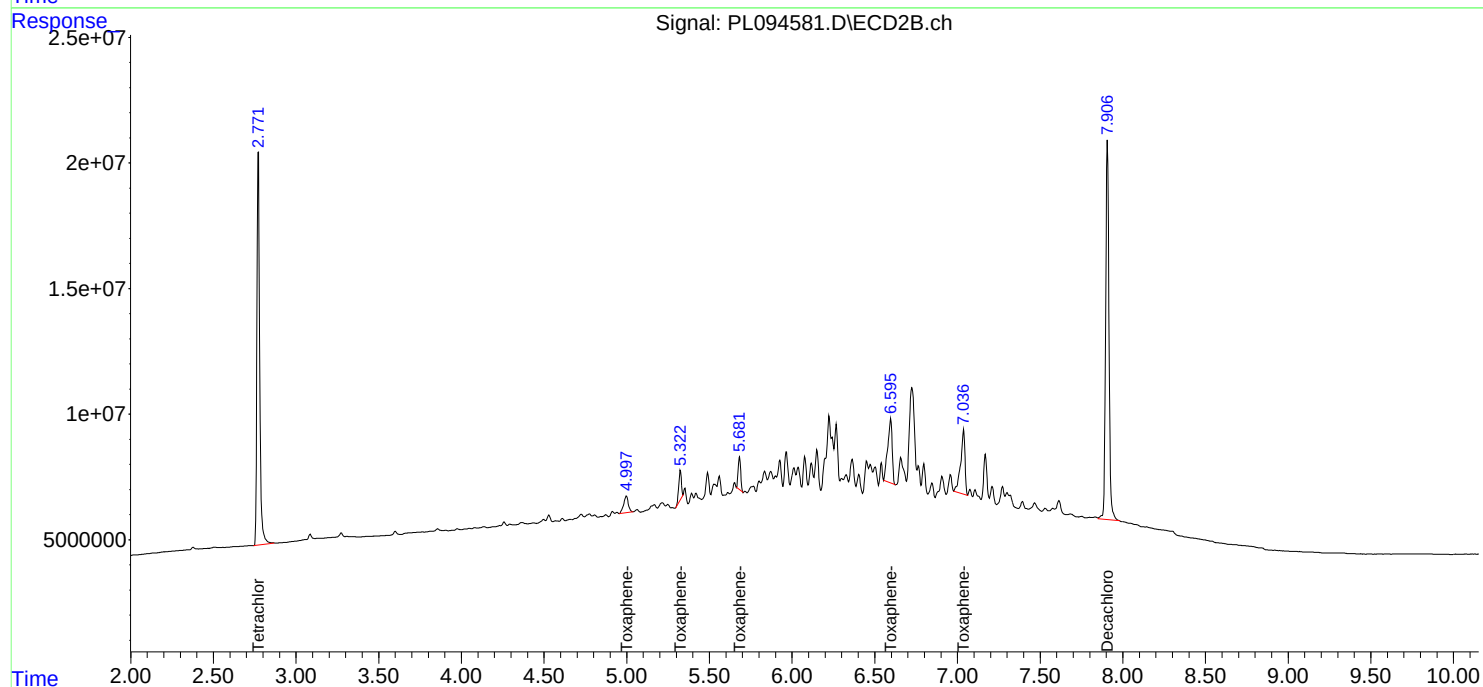
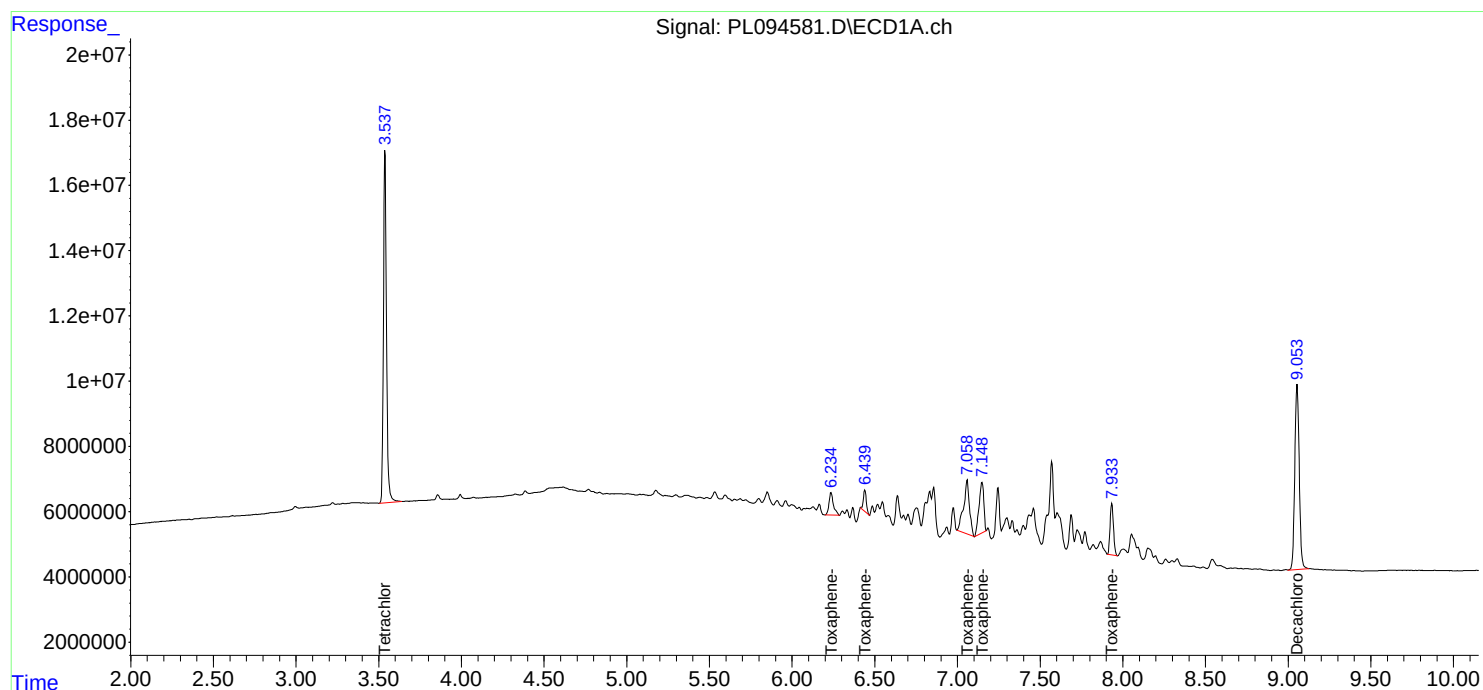
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:18
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: Mar 11 17:48:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:48:02 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\PL031125\
 Data File : PL094584.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 13:59
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL031125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:33:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 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...	3.538	2.772	138.6E6	178.7E6	48.948	50.062
28) SA Decachlor...	9.057	7.907	105.1E6	203.8E6	49.892	50.443
Target Compounds						
2) A alpha-BHC	3.994	3.275	204.5E6	276.8E6	49.250	51.333
3) MA gamma-BHC...	4.327	3.604	195.2E6	263.2E6	48.927	51.204
4) MA Heptachlor	4.915	3.943	189.6E6	267.0E6	48.844	50.686
5) MB Aldrin	5.257	4.222	180.2E6	248.9E6	48.800	51.048
6) B beta-BHC	4.526	3.905	89231989	110.8E6	48.359	49.893
7) B delta-BHC	4.773	4.133	189.3E6	256.7E6	48.608	51.319
8) B Heptachlo...	5.684	4.724	162.6E6	232.8E6	48.604	50.850
9) A Endosulfan I	6.069	5.094	150.4E6	223.6E6	48.979	50.952
10) B gamma-Chl...	5.940	4.974	164.1E6	246.2E6	48.699	51.000
11) B alpha-Chl...	6.019	5.038	161.5E6	242.7E6	48.982	50.851
12) B 4,4'-DDE	6.192	5.227	146.3E6	237.2E6	49.725	51.033
13) MA Dieldrin	6.344	5.358	156.1E6	248.7E6	48.823	51.250
14) MA Endrin	6.574	5.634	132.9E6	220.8E6	47.959	50.591
15) B Endosulfa...	6.794	5.929	133.2E6	219.2E6	49.073	50.644
16) A 4,4'-DDD	6.710	5.782	107.9E6	186.0E6	49.828	51.715
17) MA 4,4'-DDT	7.024	6.032	118.3E6	208.0E6	49.731	51.576
18) B Endrin al...	6.924	6.109	102.5E6	169.4E6	48.578	50.322
19) B Endosulfa...	7.160	6.332	118.7E6	208.3E6	48.797	51.131
20) A Methoxychlor	7.501	6.607	59571379	108.1E6	49.764	50.981
21) B Endrin ke...	7.644	6.837	130.9E6	247.7E6	49.539	51.908
22) Mirex	8.117	7.016	100.5E6	191.6E6	48.635	50.470

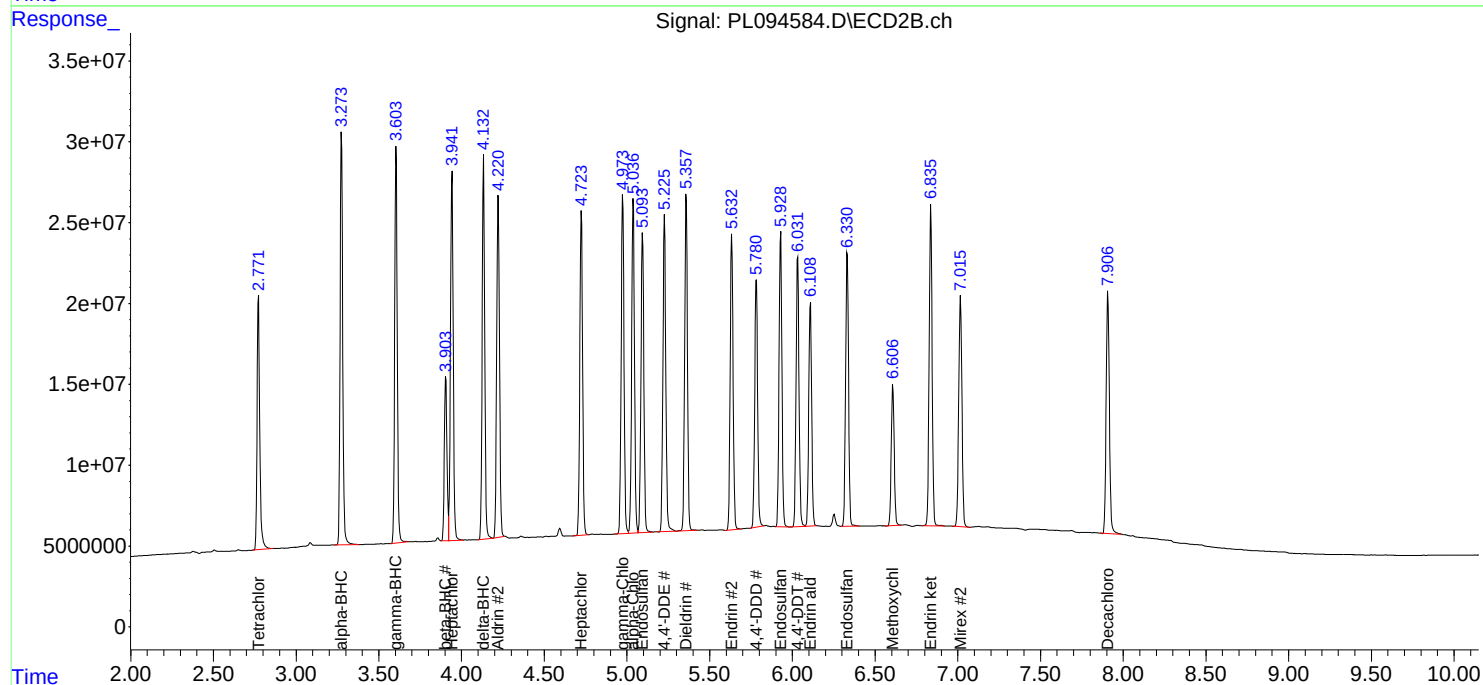
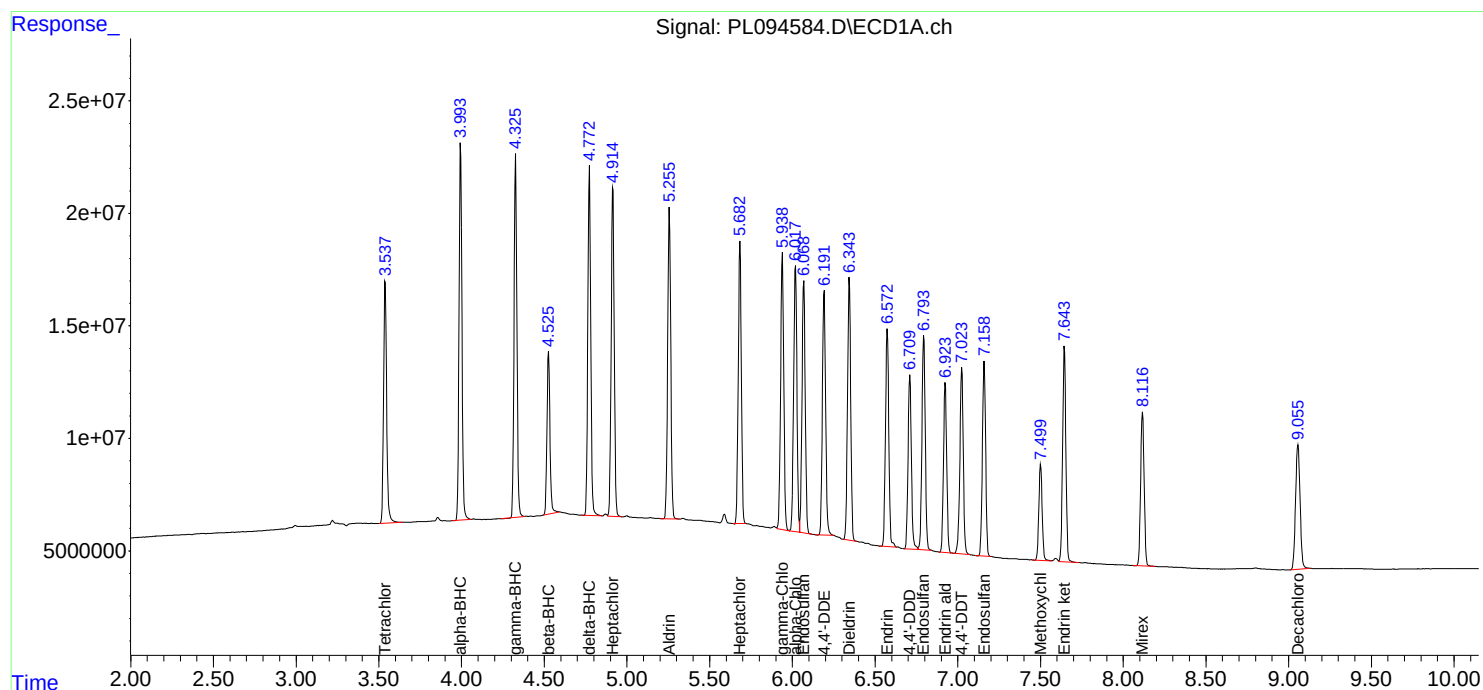
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:59
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL031125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:33:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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\PL031125\
 Data File : PL094585.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 14:26
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL031125CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:12:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:10:19 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...	3.538	2.771	139.1E6	221.7E6	48.146	49.489
28) SA Decachlor...	9.055	7.907	105.2E6	207.7E6	48.832	49.008
Target Compounds						
23) Chlordane-1	4.699	3.768	68904234	72711469	491.755	481.433
24) Chlordane-2	5.230	4.345	74749072	87432125	494.028	495.121
25) Chlordane-3	5.940	4.975	236.2E6	267.0E6	472.667	501.955
26) Chlordane-4	6.021	5.037	278.4E6	264.5E6	472.562	508.040
27) Chlordane-5	6.871	5.933	54088529	95131402	492.515	495.899

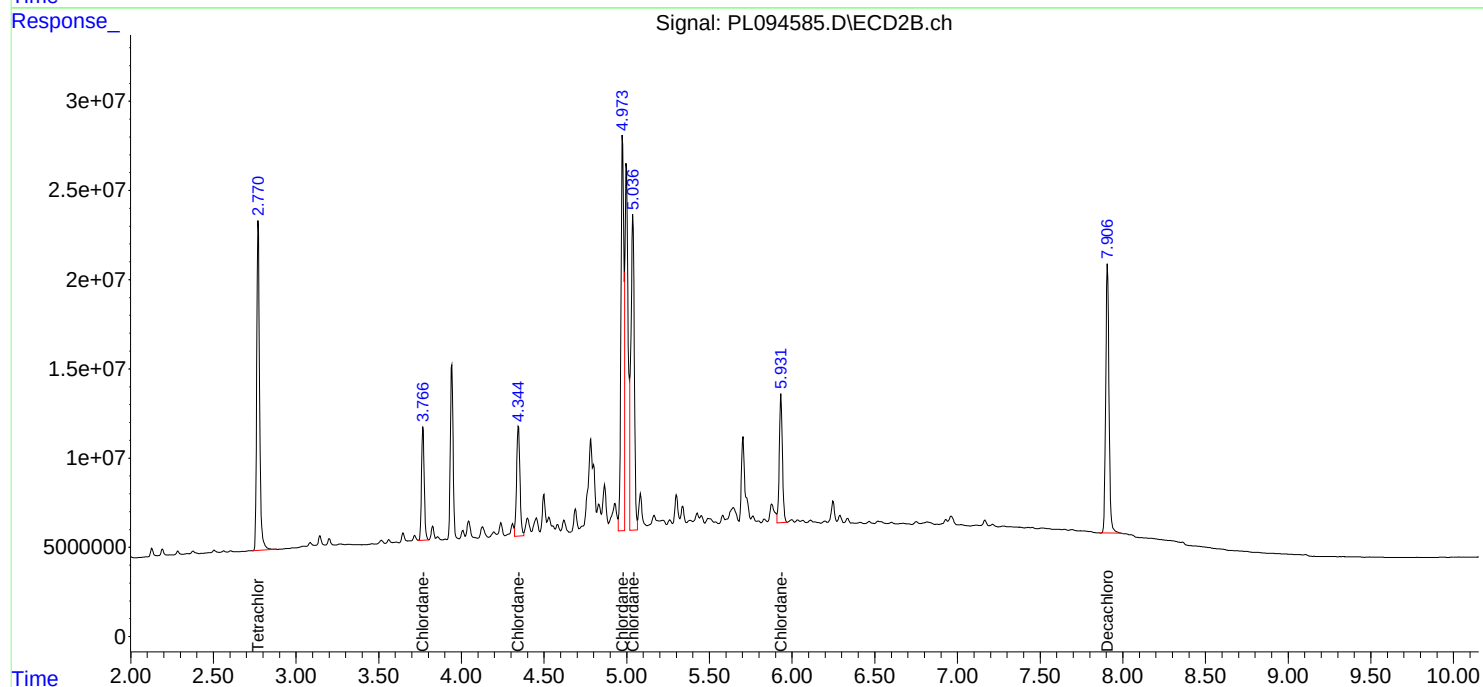
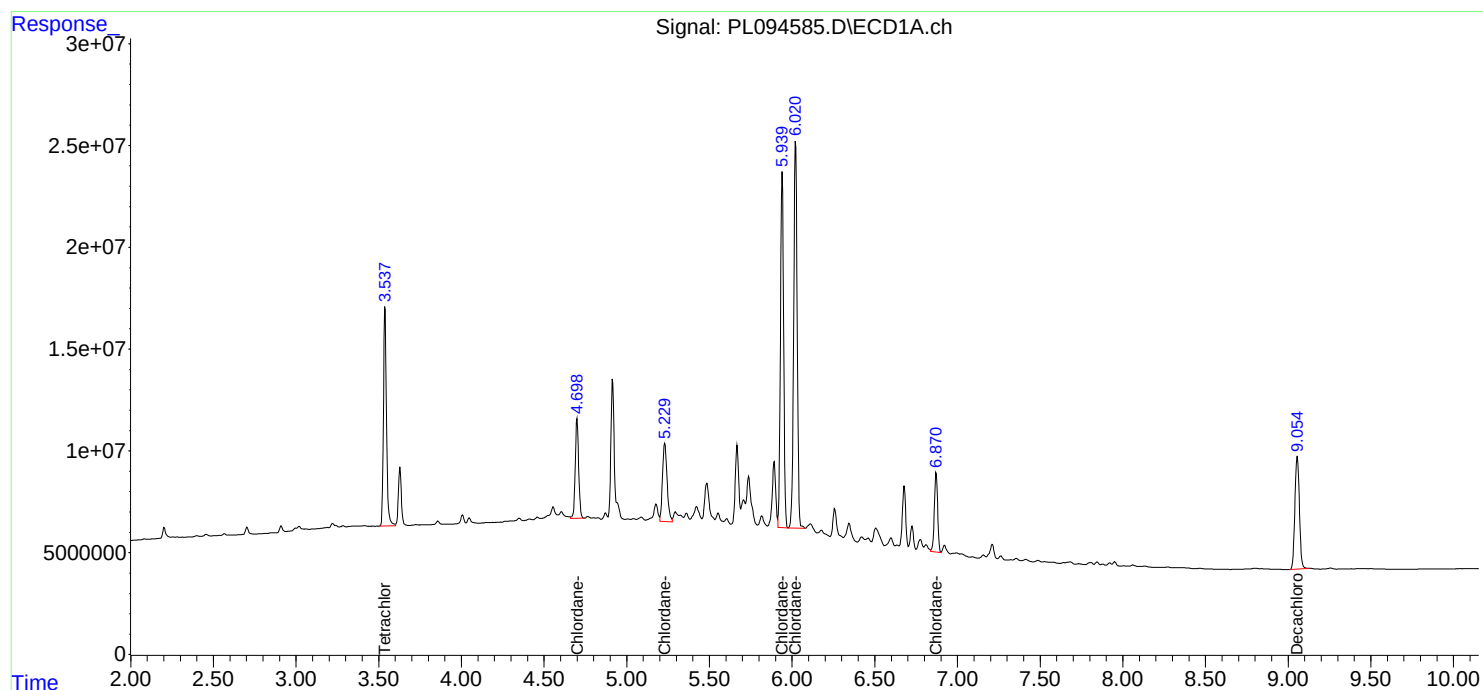
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:26
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL031125CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:12:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:10:19 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\PL031125\
 Data File : PL094586.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 14:53
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL031125TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 01:29:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:54:32 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...	3.539	2.772	142.4E6	185.3E6	49.695	50.638
7) SA Decachlor...	9.056	7.907	107.3E6	215.3E6	49.786	51.130
Target Compounds						
2) Toxaphene-1	6.237	4.998	12932398	13192637	498.451	489.997
3) Toxaphene-2	6.440	5.324	8497655	12782684	518.989	492.418
4) Toxaphene-3	7.059	5.682	43111651	14208462	515.776	508.385
5) Toxaphene-4	7.150	6.597	31431408	49583590	496.022	512.426
6) Toxaphene-5	7.934	7.038	22999107	46764979	508.687	508.805

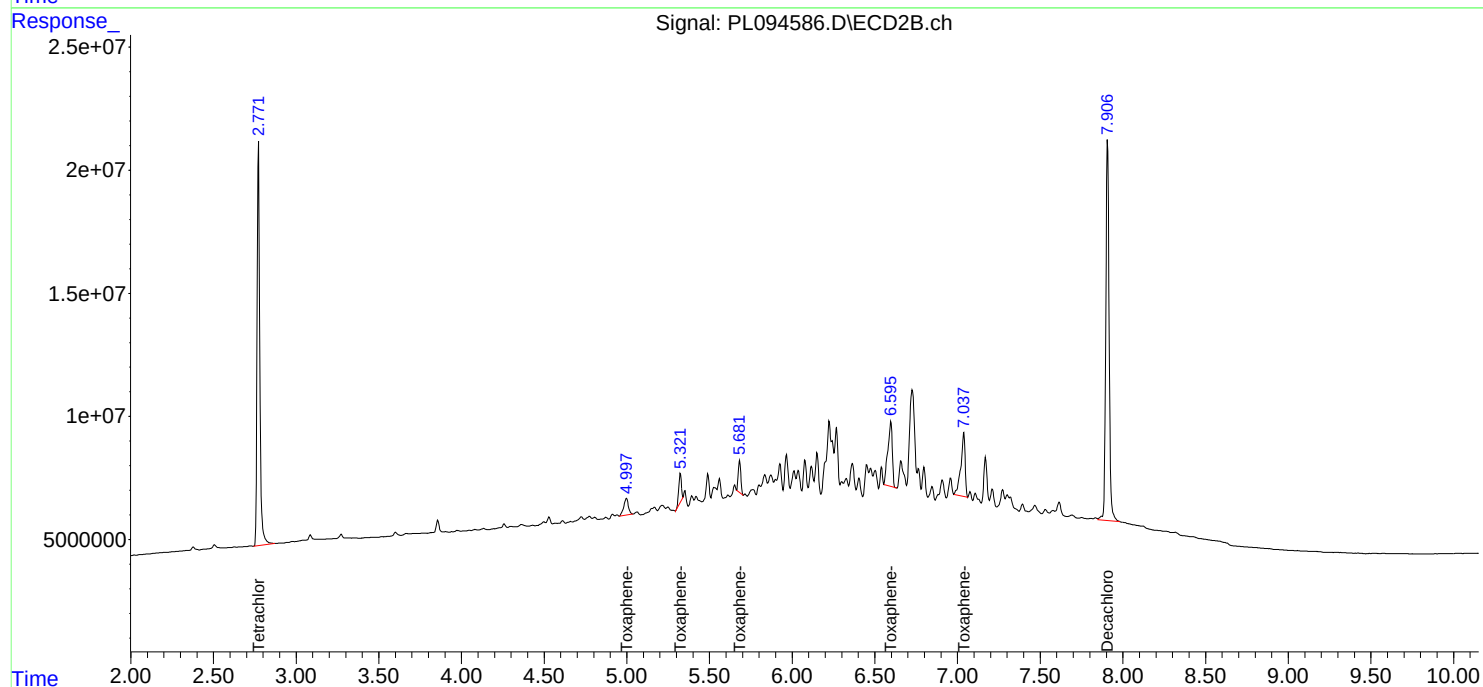
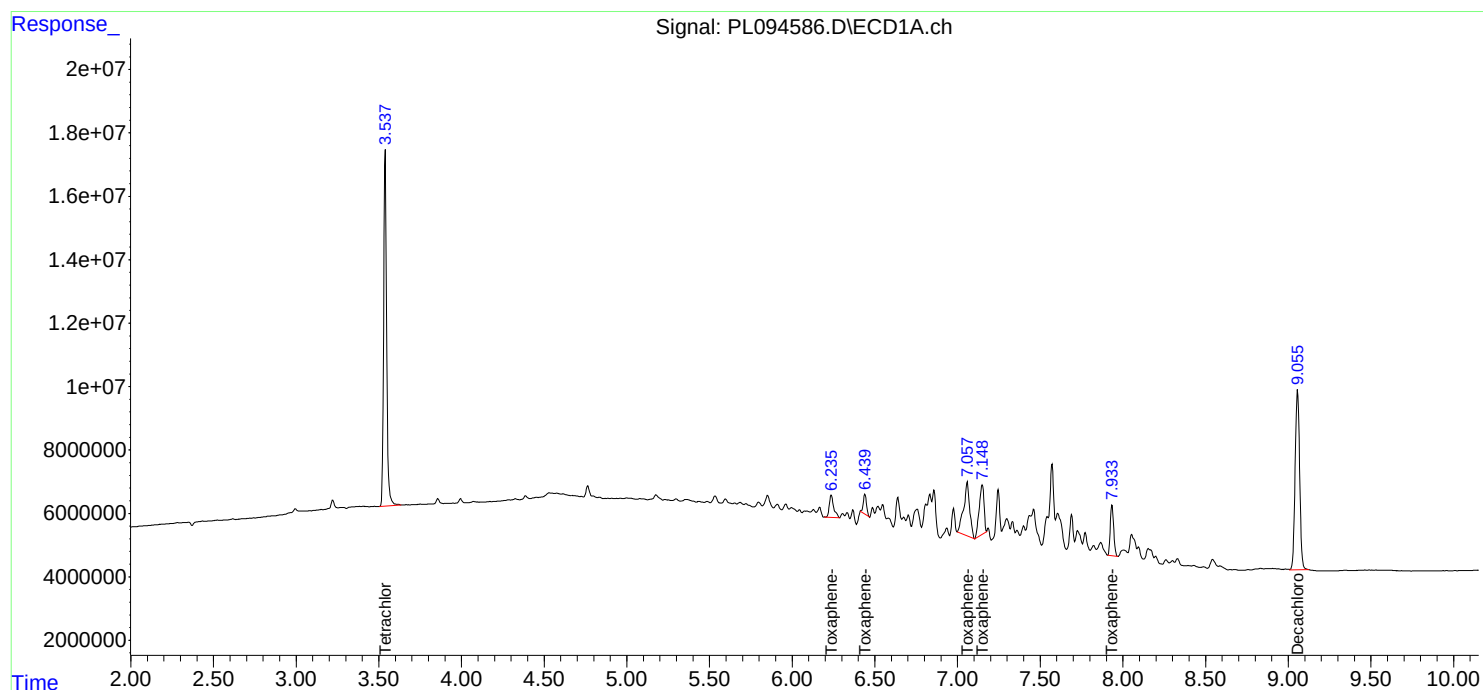
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:53
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL031125TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:29:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:54:32 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



RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06
Lab Code: CHEM **Case No.:** Q1746 **SAS No.:** Q1746 **SDG NO.:** Q1746
Instrument ID: ECD_L **Calibration Date(s):** 04/14/2025 04/14/2025
Calibration Times: 15:07 16:15

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

LAB FILE ID:	RT 100 = <u>PL095205.D</u>	RT 075 = <u>PL095206.D</u>
RT 050 = <u>PL095207.D</u>	RT 025 = <u>PL095208.D</u>	RT 005 = <u>PL095209.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
gamma-BHC (Lindane)	4.32	4.32	4.32	4.32	4.32	4.32	4.22	4.42
Heptachlor	4.91	4.91	4.91	4.91	4.91	4.91	4.81	5.01
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.53	3.54	3.53	3.43	3.63

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>PORT06</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1746</u>	SAS No.:	<u>Q1746</u>	SDG NO.:	<u>Q1746</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):		<u>04/14/2025</u>	<u>04/14/2025</u>		
		Calibration Times:		<u>15:07</u>	<u>16:15</u>		

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

LAB FILE ID:	RT 100 =	<u>PL095205.D</u>	RT 075 =	<u>PL095206.D</u>
	RT 050 =	PL095207.D	RT 025 =	PL095208.D
			RT 005 =	PL095209.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: ECD_L

Calibration Date(s): 04/14/2025 04/14/2025

Calibration Times: 15:07 16:15

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

LAB FILE ID:		CF 100 =	<u>PL095205.D</u>	CF 075 =	<u>PL095206.D</u>		
CF 050 =	<u>PL095207.D</u>	CF 025 =	<u>PL095208.D</u>	CF 005 =	<u>PL095209.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2152650000	2143060000	2315860000	2506920000	2920000000	2407700000	13
Endrin	2427110000	2378350000	2522880000	2698310000	3004020000	2606130000	10
gamma-BHC (Lindane)	3655690000	3593350000	3721550000	3933060000	4324270000	3845590000	8
Heptachlor	3396740000	3361020000	3535970000	3806720000	4231640000	3666420000	10
Heptachlor epoxide	2983280000	2943510000	3103640000	3358770000	3664680000	3210780000	9
Methoxychlor	1227700000	1216120000	1306040000	1403800000	1543530000	1339440000	10
Tetrachloro-m-xylene	2536040000	2534180000	2646610000	2847530000	3152050000	2743280000	10



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: ECD_L

Calibration Date(s): 04/14/2025 04/14/2025

Calibration Times: 15:07 16:15

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

LAB FILE ID:		CF 100 =	<u>PL095205.D</u>	CF 075 =	<u>PL095206.D</u>		
CF 050 =		<u>PL095207.D</u>	CF 025 =	<u>PL095208.D</u>	CF 005 =	<u>PL095209.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4198950000	4104180000	4298770000	4455630000	4937900000	4399090000	7
Endrin	4170920000	4046000000	4174880000	4210140000	4285130000	4177410000	2
gamma-BHC (Lindane)	5366590000	5201940000	5275500000	5291420000	5180170000	5263120000	1
Heptachlor	5200960000	5062970000	5185650000	5266650000	5281100000	5199470000	2
Heptachlor epoxide	4497860000	4388170000	4526840000	4636840000	4793660000	4568670000	3
Methoxychlor	2188160000	2143820000	2244500000	2307260000	2344730000	2245690000	4
Tetrachloro-m-xylene	3639270000	3571250000	3666060000	3785580000	3943930000	3721220000	4



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: ECD_L Date(s) Analyzed: 04/14/2025 04/14/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.70	4.60	4.80	127558000
		2	5.23	5.13	5.33	130182000
		3	5.94	5.84	6.04	468201000
		4	6.02	5.92	6.12	550131000
		5	6.87	6.77	6.97	107924000
Toxaphene	500	1	6.23	6.13	6.33	27376000
		2	6.44	6.34	6.54	14916800
		3	7.06	6.96	7.16	82942000
		4	7.15	7.05	7.25	64931700
		5	7.93	7.83	8.03	46223600



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: ECD_L Date(s) Analyzed: 04/14/2025 04/14/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.76	3.66	3.86	147703000
		2	4.34	4.24	4.44	170474000
		3	4.97	4.87	5.07	498602000
		4	5.03	4.93	5.13	495465000
		5	5.93	5.83	6.03	183560000
Toxaphene	500	1	4.99	4.89	5.09	27499800
		2	5.32	5.22	5.42	25414900
		3	5.68	5.58	5.78	27465800
		4	6.59	6.49	6.69	96741800
		5	7.03	6.93	7.13	106909000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
 Data File : PL095205.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 15:07
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/15/2025

Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 14 16:26:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 16:20:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.767	253.6E6	363.9E6	97.867	99.633
28) SA Decachlor...	9.052	7.899	215.3E6	419.9E6	96.348	98.825
Target Compounds						
2) A alpha-BHC	3.991	3.269	386.0E6	573.2E6	99.704	101.366
3) MA gamma-BHC...	4.324	3.599	365.6E6	536.7E6	99.107	100.856
4) MA Heptachlor	4.912	3.936	339.7E6	520.1E6	97.992	100.147
5) MB Aldrin	5.254	4.215	327.1E6	493.7E6	98.221	100.654
6) B beta-BHC	4.523	3.899	160.8E6	223.7E6	97.852	99.307
7) B delta-BHC	4.770	4.127	361.0E6	530.9E6	98.853	101.243
8) B Heptachlo...	5.680	4.718	298.3E6	449.8E6	98.023	99.679
9) A Endosulfan I	6.066	5.087	281.7E6	433.0E6	97.449	99.972
10) B gamma-Chl...	5.937	4.967	307.2E6	482.1E6	97.821	100.434
11) B alpha-Chl...	6.016	5.031	302.1E6	471.1E6	97.633	100.125
12) B 4,4'-DDE	6.190	5.220	301.2E6	476.9E6	97.930	99.892
13) MA Dieldrin	6.341	5.351	304.4E6	483.1E6	98.027	100.393
14) MA Endrin	6.571	5.627	242.7E6	417.1E6	98.065	99.953
15) B Endosulfa...	6.792	5.922	260.9E6	426.5E6	97.608	99.308
16) A 4,4'-DDD	6.708	5.774	237.2E6	391.7E6	98.145	100.403
17) MA 4,4'-DDT	7.022	6.025	245.0E6	422.7E6	98.971	100.829
18) B Endrin al...	6.922	6.101	201.3E6	326.4E6	97.153	99.311
19) B Endosulfa...	7.156	6.324	233.3E6	407.6E6	96.866	99.622
20) A Methoxychlor	7.498	6.600	122.8E6	218.8E6	96.908	98.729
21) B Endrin ke...	7.641	6.828	267.4E6	491.2E6	97.829	99.174m
22) Mirex	8.114	7.008	188.2E6	362.9E6	96.087	97.791

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 15:07
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

Manual Integrations

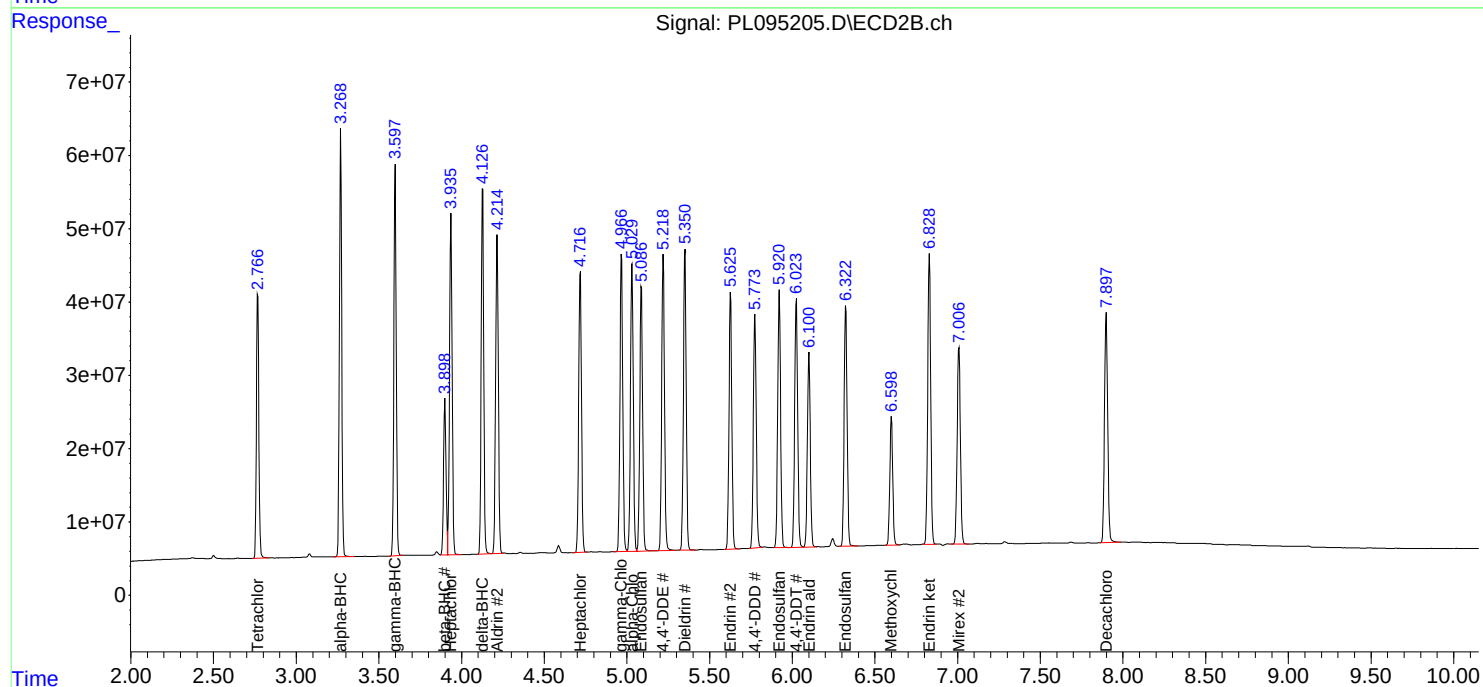
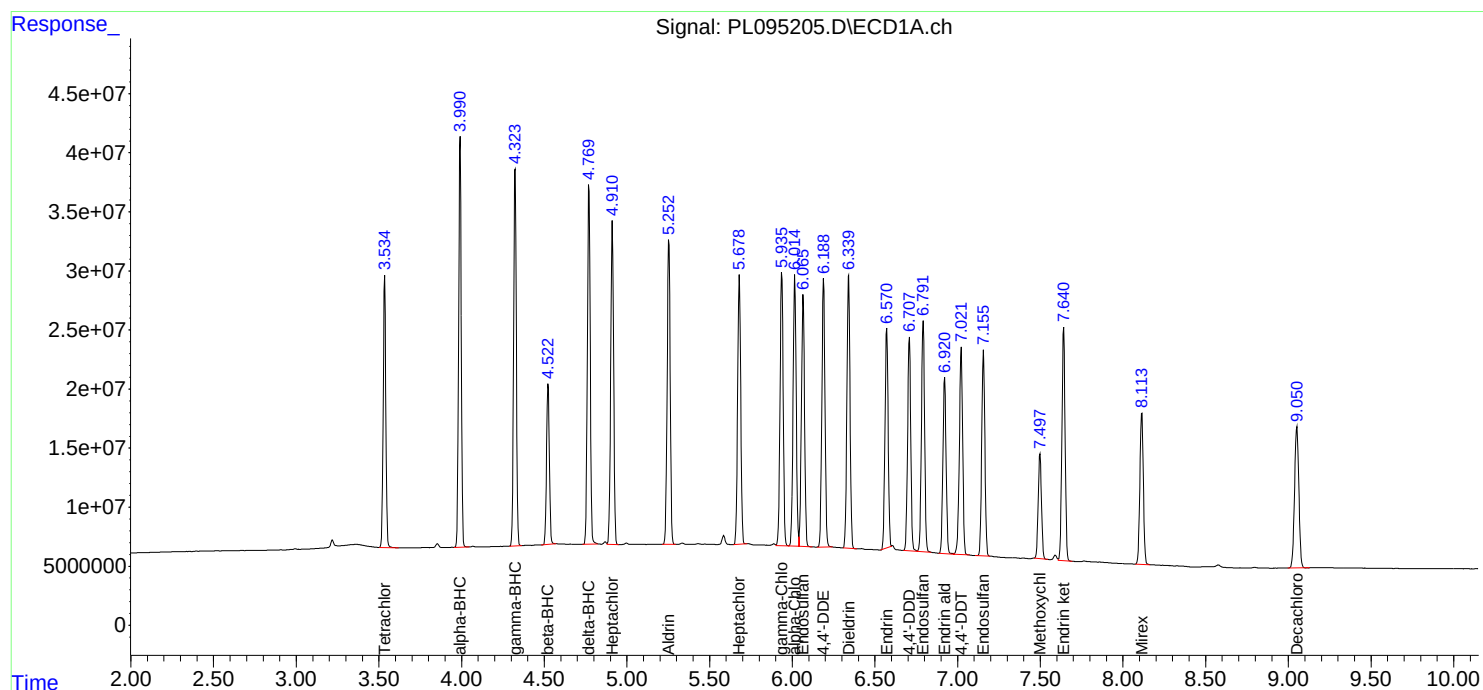
APPROVED

Reviewed By :Abdul Mirza 04/15/2025

Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 14 16:26:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 16:20:41 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\PL041425\
 Data File : PL095206.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 15:21
 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: Apr 14 16:29:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 16:20:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.768	190.1E6	267.8E6	73.889	73.877
28)	SA Decachlor...	9.053	7.899	160.7E6	307.8E6	72.931	73.278
Target Compounds							
2)	A alpha-BHC	3.991	3.269	283.2E6	415.2E6	73.750	73.946
3)	MA gamma-BHC...	4.324	3.599	269.5E6	390.1E6	73.697	73.872
4)	MA Heptachlor	4.912	3.936	252.1E6	379.7E6	73.465	73.735
5)	MB Aldrin	5.253	4.215	242.1E6	358.4E6	73.452	73.705
6)	B beta-BHC	4.523	3.900	120.0E6	164.6E6	73.669	73.693
7)	B delta-BHC	4.771	4.128	265.5E6	385.1E6	73.445	73.945
8)	B Heptachlo...	5.680	4.718	220.8E6	329.1E6	73.340	73.611
9)	A Endosulfan I	6.067	5.088	209.6E6	312.7E6	73.330	73.103
10)	B gamma-Chl...	5.937	4.967	228.4E6	349.8E6	73.461	73.568
11)	B alpha-Chl...	6.016	5.031	224.4E6	342.8E6	73.334	73.562
12)	B 4,4'-DDE	6.190	5.220	221.9E6	350.6E6	73.075	73.942
13)	MA Dieldrin	6.342	5.351	225.0E6	351.1E6	73.285	73.627
14)	MA Endrin	6.571	5.627	178.4E6	303.4E6	73.022	73.464
15)	B Endosulfa...	6.792	5.922	194.1E6	313.5E6	73.388	73.661
16)	A 4,4'-DDD	6.709	5.775	174.4E6	283.6E6	73.087	73.444
17)	MA 4,4'-DDT	7.022	6.025	178.6E6	305.7E6	73.074	73.598
18)	B Endrin al...	6.923	6.102	149.5E6	239.6E6	73.080	73.583
19)	B Endosulfa...	7.157	6.325	173.5E6	297.2E6	72.993	73.420
20)	A Methoxychlor	7.498	6.600	91208675	160.8E6	72.970	73.346
21)	B Endrin ke...	7.642	6.830	198.4E6	361.1E6	73.365	73.606
22)	Mirex	8.114	7.009	141.2E6	269.4E6	73.061	73.388

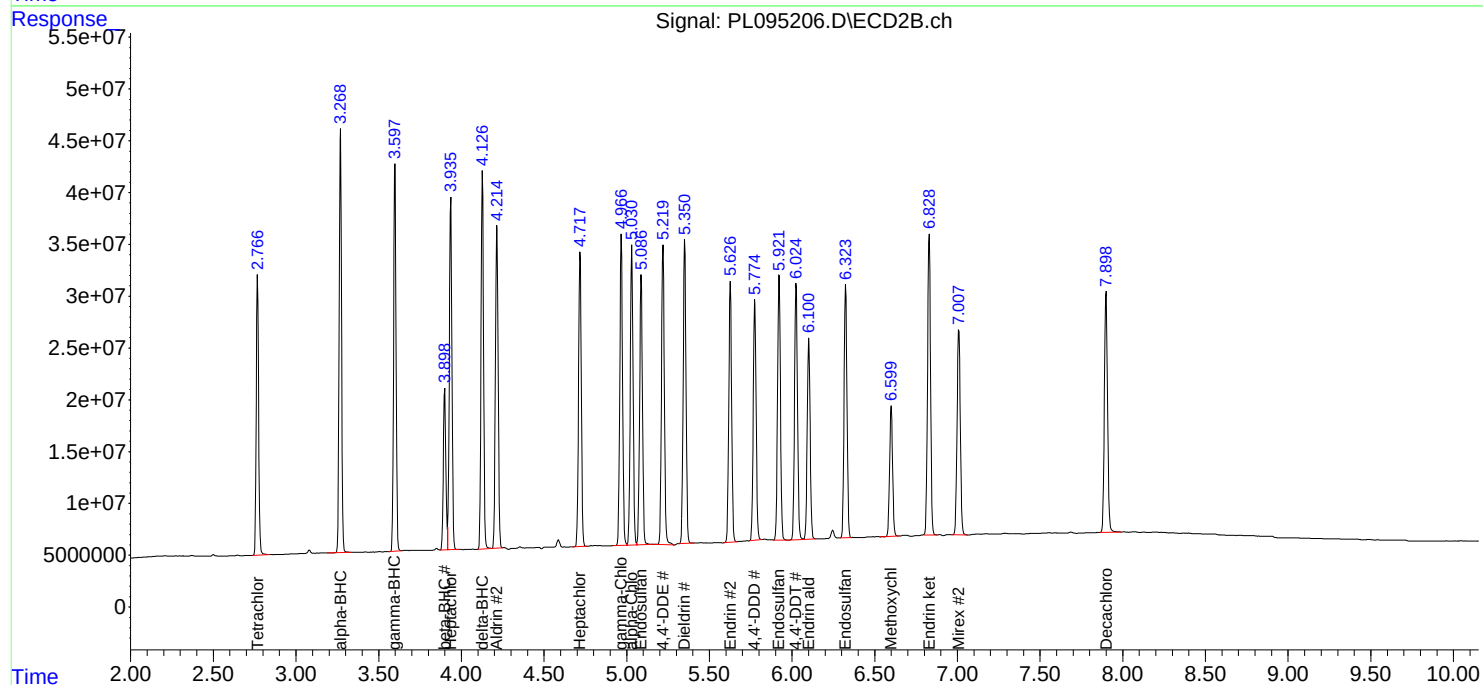
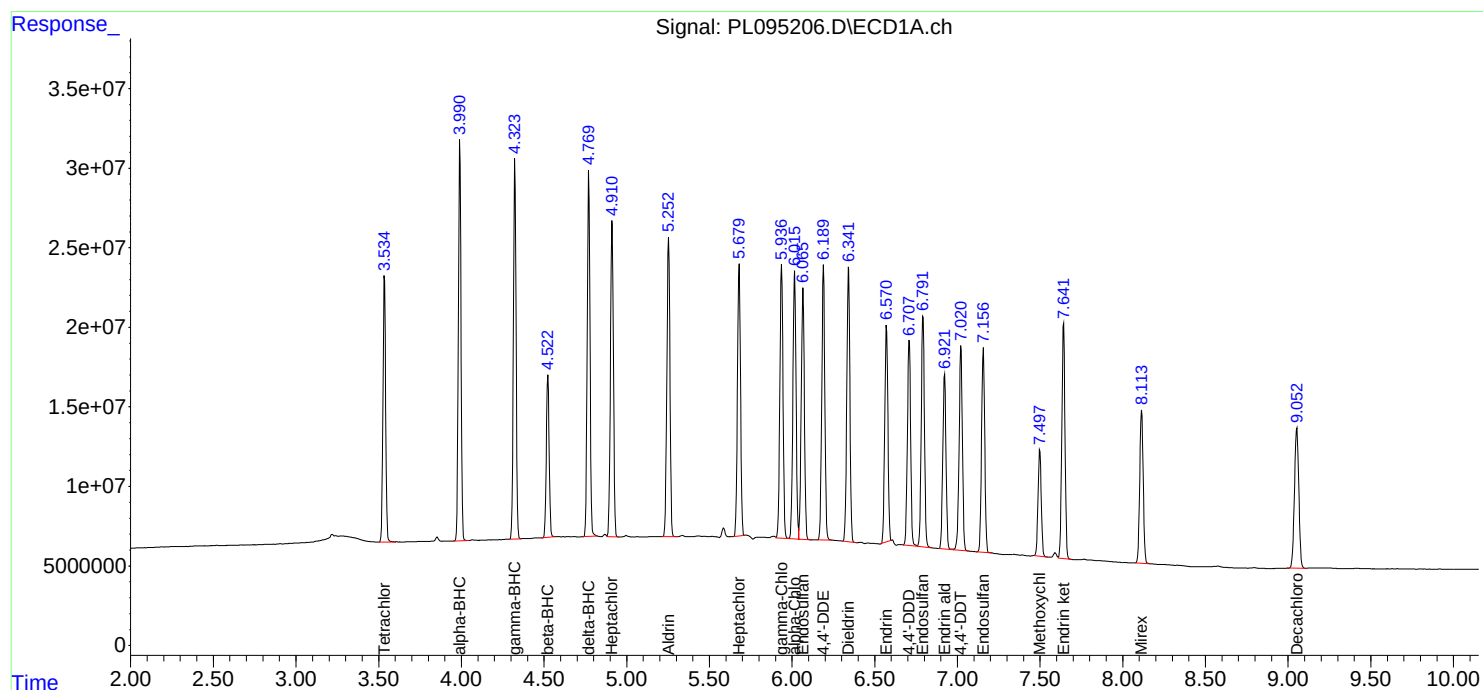
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 15:21
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: Apr 14 16:29:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 16:20:41 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\PL041425\
 Data File : PL095207.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 15:35
 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: Apr 14 16:24:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 16:20:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.767	132.3E6	183.3E6	50.000	50.000
28)	SA Decachlor...	9.053	7.900	115.8E6	214.9E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.991	3.269	194.2E6	278.9E6	50.000	50.000
3)	MA gamma-BHC...	4.323	3.599	186.1E6	263.8E6	50.000	50.000
4)	MA Heptachlor	4.911	3.936	176.8E6	259.3E6	50.000	50.000
5)	MB Aldrin	5.253	4.215	169.5E6	243.6E6	50.000	50.000
6)	B beta-BHC	4.523	3.900	83919274	113.4E6	50.000	50.000
7)	B delta-BHC	4.770	4.128	184.7E6	258.9E6	50.000	50.000
8)	B Heptachlo...	5.680	4.718	155.2E6	226.3E6	50.000	50.000
9)	A Endosulfan I	6.066	5.088	148.2E6	216.6E6	50.000	50.000
10)	B gamma-Chl...	5.937	4.968	160.5E6	239.0E6	50.000	50.000
11)	B alpha-Chl...	6.015	5.031	158.4E6	235.0E6	50.000	50.000
12)	B 4,4'-DDE	6.190	5.220	157.0E6	239.0E6	50.000	50.000
13)	MA Dieldrin	6.341	5.351	158.3E6	239.7E6	50.000	50.000
14)	MA Endrin	6.571	5.627	126.1E6	208.7E6	50.000	50.000
15)	B Endosulfa...	6.792	5.922	136.8E6	216.2E6	50.000	50.000
16)	A 4,4'-DDD	6.708	5.775	123.1E6	194.3E6	50.000	50.000
17)	MA 4,4'-DDT	7.021	6.025	125.1E6	207.9E6	50.000	50.000
18)	B Endrin al...	6.922	6.101	106.5E6	165.5E6	50.000	50.000
19)	B Endosulfa...	7.157	6.324	124.2E6	205.3E6	50.000	50.000
20)	A Methoxychlor	7.498	6.599	65302230	112.2E6	50.000	50.000
21)	B Endrin ke...	7.642	6.829	139.6E6	249.6E6	50.000	50.000
22)	Mirex	8.114	7.008	101.7E6	189.6E6	50.000	50.000

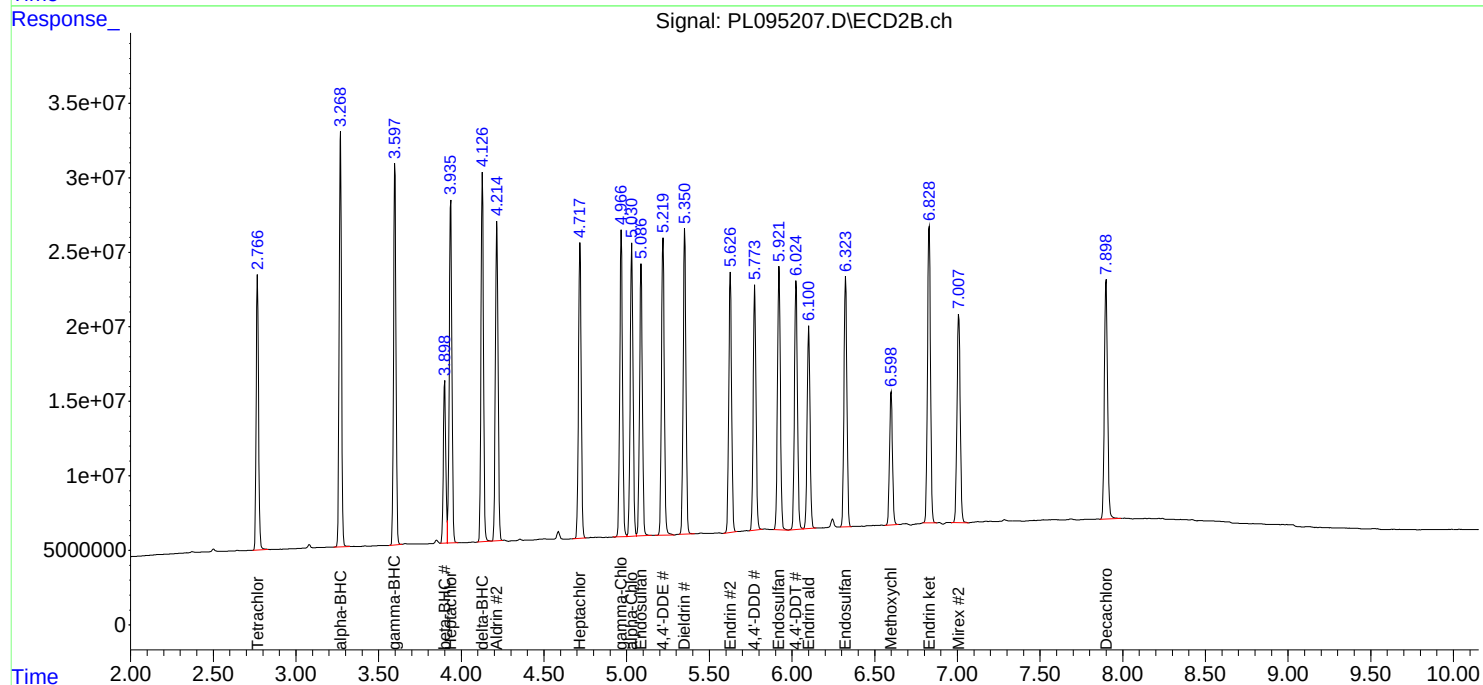
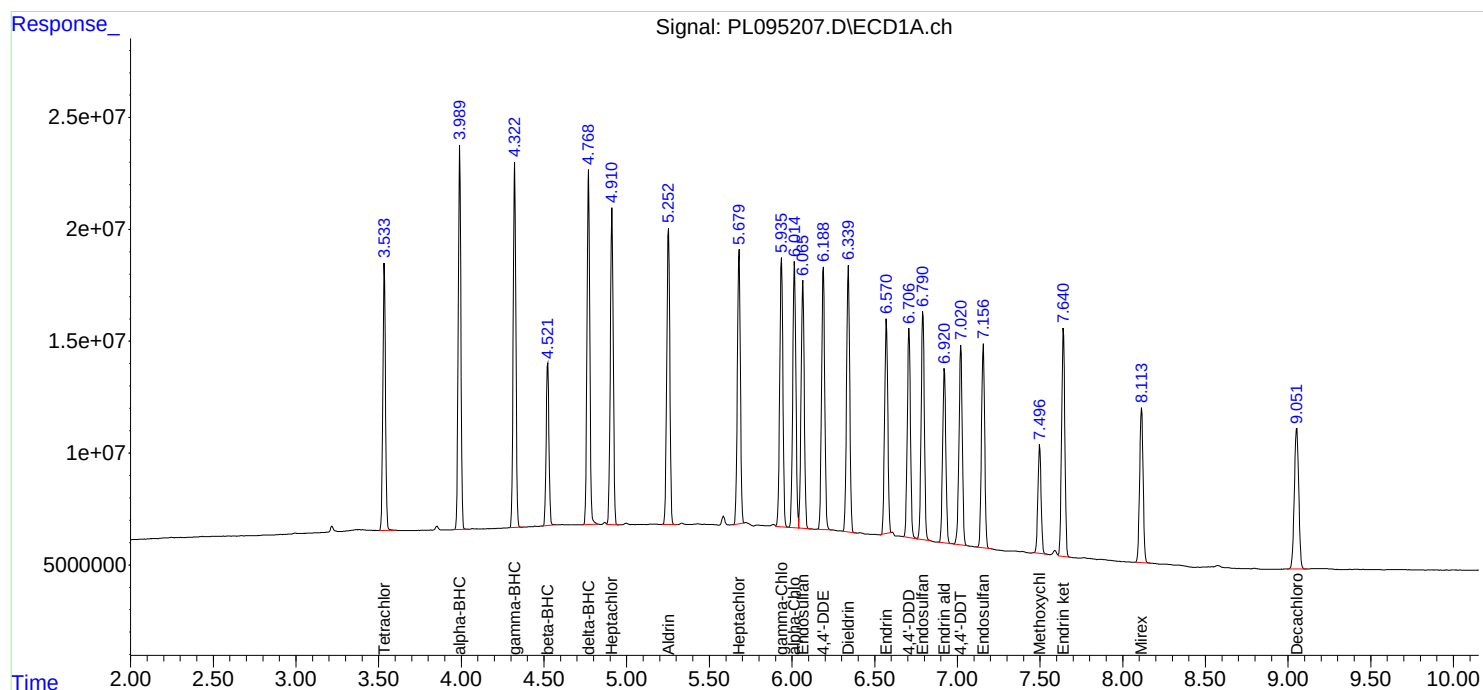
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 15:35
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: Apr 14 16:24:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 16:20:41 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\PL041425\
 Data File : PL095208.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 16:02
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 14 16:31:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 16:20:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.767	71188305	94639600	26.954	25.819
28) SA Decachlor...	9.051	7.900	62673059	111.4E6	27.493	26.121
Target Compounds						
2) A alpha-BHC	3.990	3.269	101.7E6	138.5E6	26.101	24.752
3) MA gamma-BHC...	4.323	3.599	98326387	132.3E6	26.390	25.036
4) MA Heptachlor	4.911	3.936	95168122	131.7E6	26.997	25.423
5) MB Aldrin	5.253	4.215	91237778	122.3E6	26.957	25.111
6) B beta-BHC	4.523	3.900	45771572	59111426	27.258	26.085
7) B delta-BHC	4.770	4.128	98455583	129.2E6	26.641	24.864
8) B Heptachlo...	5.680	4.718	83969219	115.9E6	27.110	25.689
9) A Endosulfan I	6.066	5.088	80210456	110.8E6	27.224	25.681
10) B gamma-Chl...	5.937	4.968	85674876	121.5E6	26.871	25.405
11) B alpha-Chl...	6.015	5.032	85276774	120.4E6	27.089	25.615
12) B 4,4'-DDE	6.190	5.220	84765959	123.3E6	27.124	25.747
13) MA Dieldrin	6.341	5.351	85245785	121.0E6	27.016	25.273
14) MA Endrin	6.571	5.627	67457631	105.3E6	26.911	25.359
15) B Endosulfa...	6.792	5.923	74340664	111.6E6	27.264	25.898
16) A 4,4'-DDD	6.708	5.776	66218889	98163367	27.004	25.318
17) MA 4,4'-DDT	7.021	6.026	66045920	104.1E6	26.484	25.048
18) B Endrin al...	6.922	6.102	57501716	85589750	27.262	25.953
19) B Endosulfa...	7.156	6.325	67381742	105.7E6	27.429	25.832
20) A Methoxychlor	7.499	6.601	35095101	57681430	27.239	25.972
21) B Endrin ke...	7.642	6.831	75637134	129.2E6	27.166	25.983
22) Mirex	8.114	7.009	56110751	101.0E6	27.901	26.839

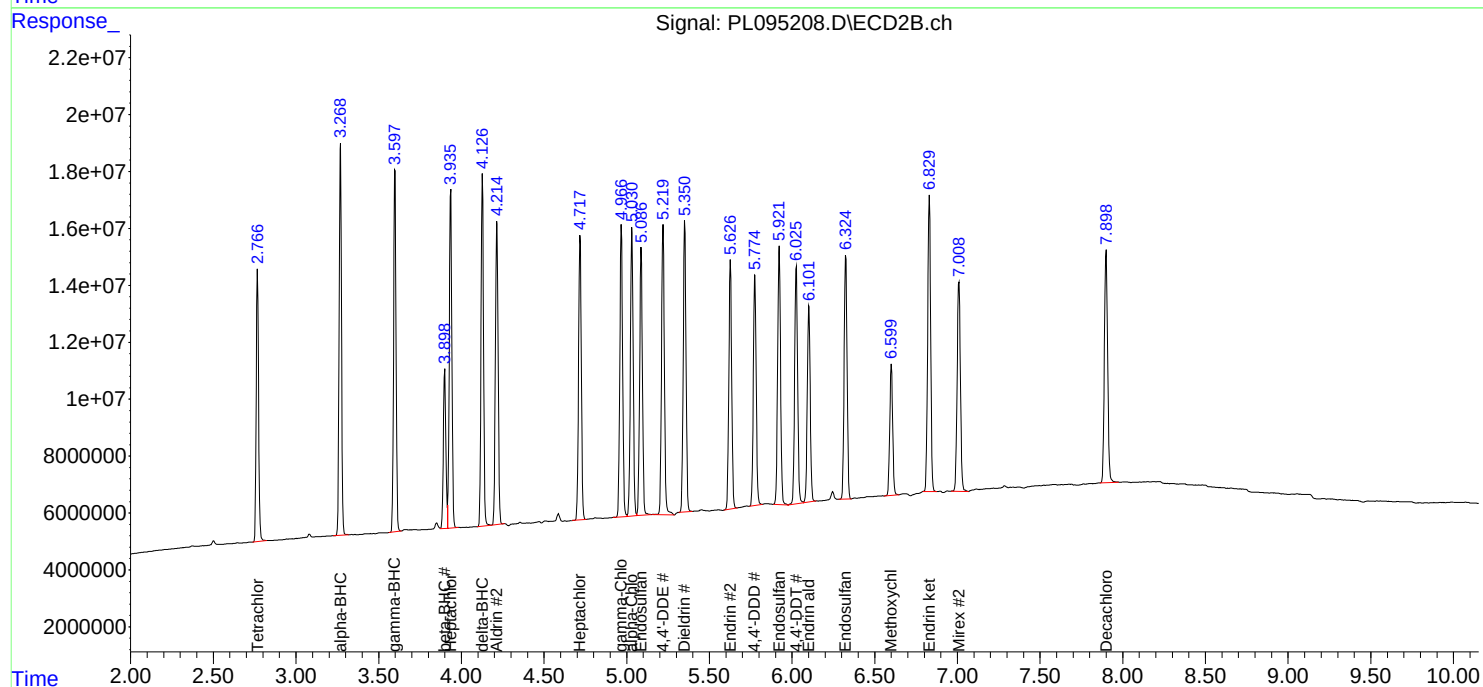
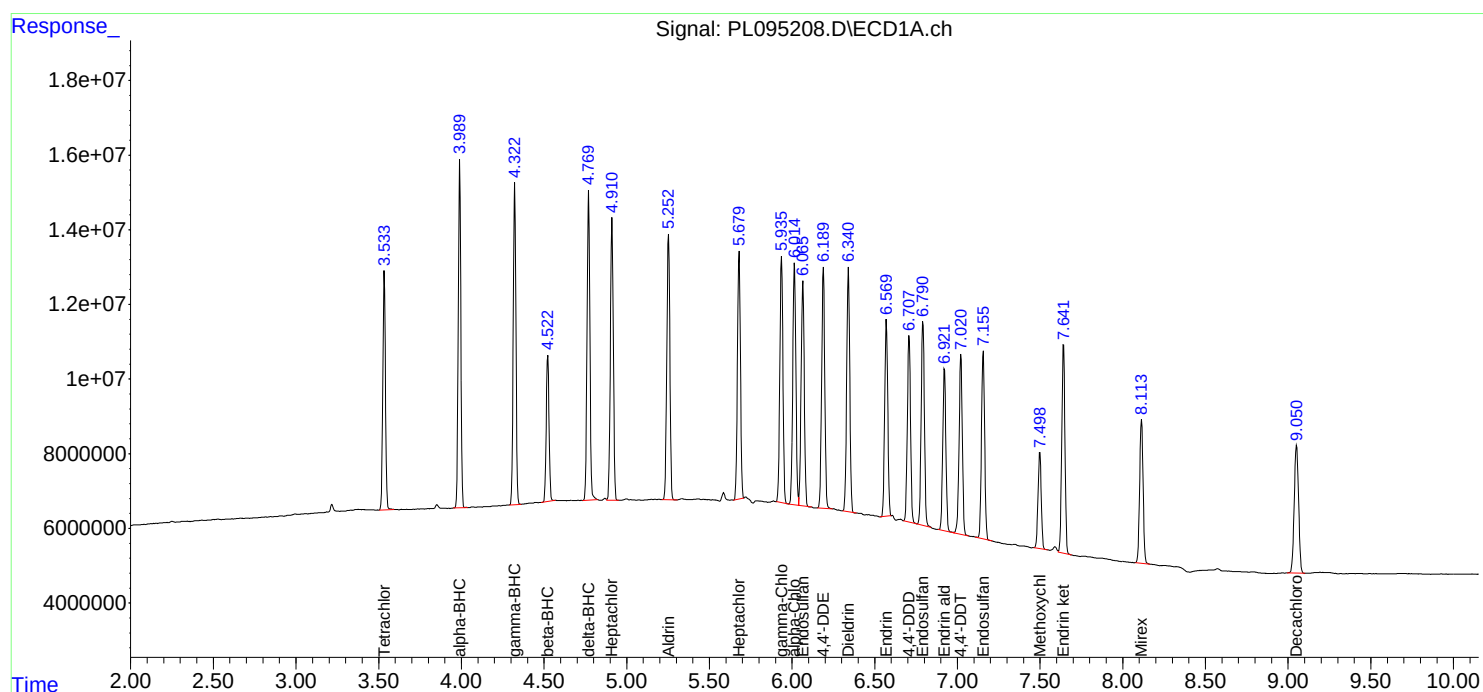
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095208.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 16:02
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 14 16:31:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 16:20:41 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\PL041425\
 Data File : PL095209.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 16:15
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/15/2025

Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 14 16:34:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 16:20:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	15760242	19719628	5.745	5.299
28) SA Decachlor...	9.052	7.900	14599984	24689507	6.064	5.612
Target Compounds						
2) A alpha-BHC	3.991	3.269	22535584	26502209	5.607	4.786
3) MA gamma-BHC...	4.324	3.599	21621373	25900849	5.622	4.921
4) MA Heptachlor	4.912	3.937	21158194	26405504	5.771	5.079
5) MB Aldrin	5.254	4.216	20536696	24443721	5.819	5.016
6) B beta-BHC	4.524	3.900	10248021	12605984	5.845	5.440
7) B delta-BHC	4.770	4.129	24052350	25291249	6.138	4.892
8) B Heptachlo...	5.681	4.719	18323392	23968309	5.707	5.246
9) A Endosulfan I	6.067	5.089	18534594	22196590	5.982	5.113
10) B gamma-Chl...	5.936	4.969	19743788	24803034	5.913m	5.149
11) B alpha-Chl...	6.016	5.032	20026557	24505960	6.033	5.170
12) B 4,4'-DDE	6.190	5.221	19244557	24592255	5.885	5.108
13) MA Dieldrin	6.342	5.353	19269017	24281503	5.848	5.059
14) MA Endrin	6.571	5.628	15020089	21425648	5.763	5.129
15) B Endosulfa...	6.792	5.923	16773629	23594627	5.881	5.374
16) A 4,4'-DDD	6.708	5.776	14433905	19702385	5.685	5.065
17) MA 4,4'-DDT	7.022	6.026	13761521	21027251	5.406	5.047
18) B Endrin al...	6.923	6.103	12843029	18288084	5.835	5.427
19) B Endosulfa...	7.158	6.326	15109637	22535858	5.880	5.396
20) A Methoxychlor	7.500	6.600	7717658	11723638	5.762	5.225m
21) B Endrin ke...	7.643	6.831	16481315	26621067	5.709	5.280
22) Mirex	8.115	7.010	12958742	23025923	6.092	5.942

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 16:15
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

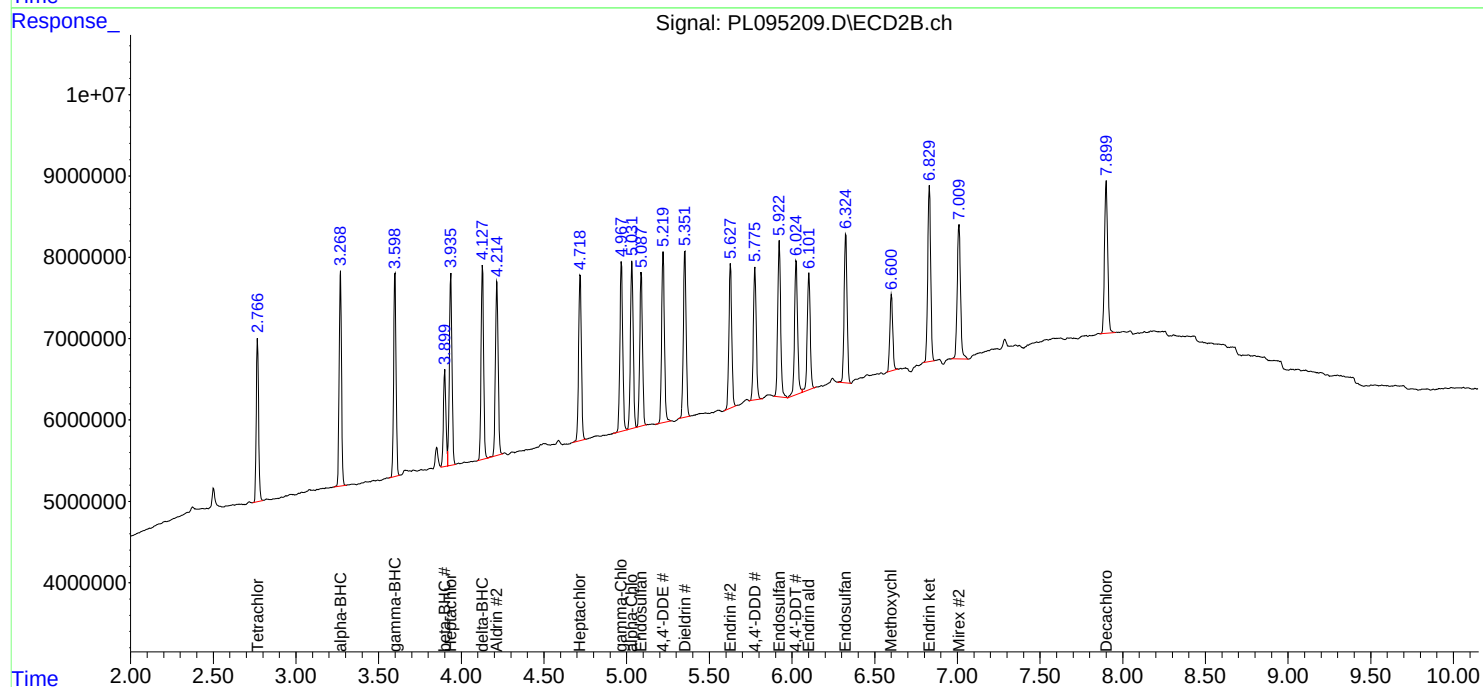
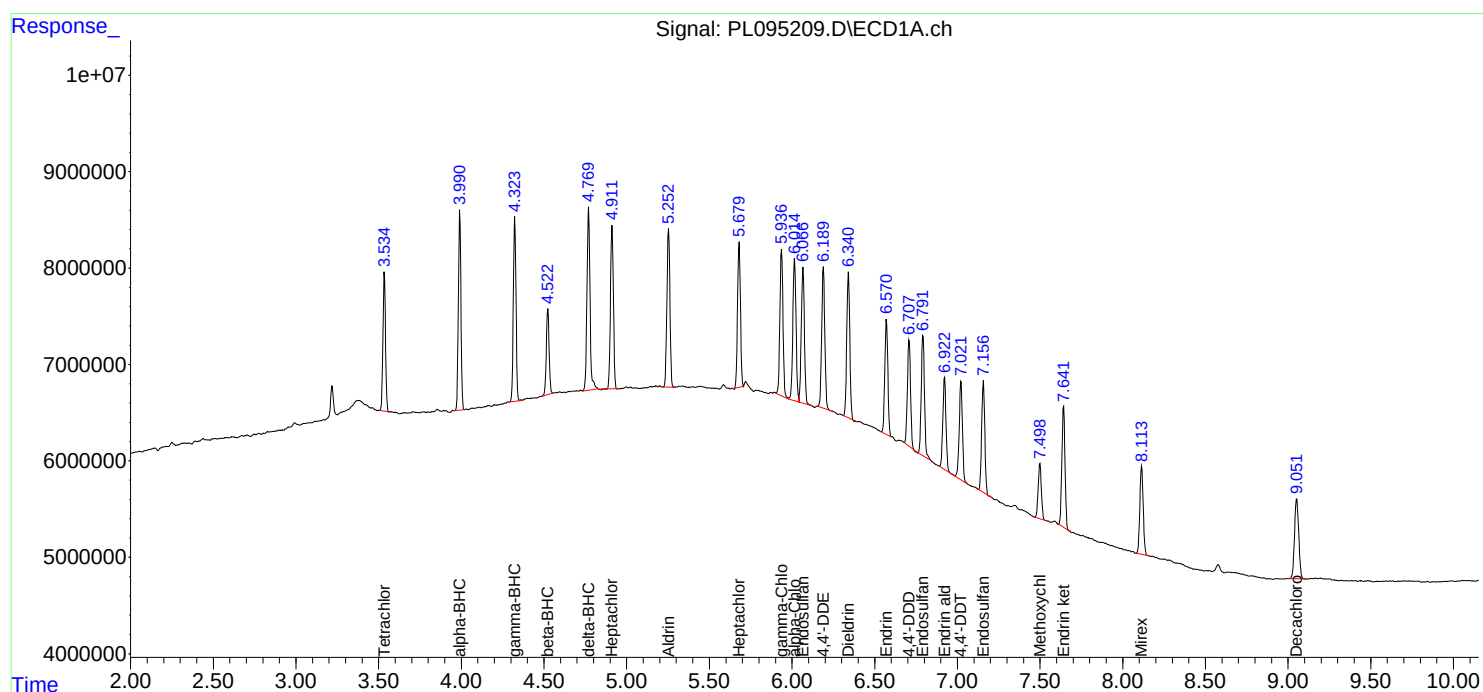
APPROVED

Reviewed By :Abdul Mirza 04/15/2025

Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 14 16:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 16:20:41 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\PL041425\
 Data File : PL095212.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 16:56
 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: Apr 14 17:38:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 17:38:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.767	131.6E6	226.3E6	50.000	50.000
28) SA Decachlor...	9.053	7.900	114.9E6	213.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.696	3.762	63778810	73851411	500.000	500.000
24) Chlordane-2	5.226	4.338	65091212	85236842	500.000	500.000
25) Chlordane-3	5.937	4.968	234.1E6	249.3E6	500.000	500.000
26) Chlordane-4	6.019	5.030	275.1E6	247.7E6	500.000	500.000
27) Chlordane-5	6.869	5.926	53962240	91780125	500.000	500.000

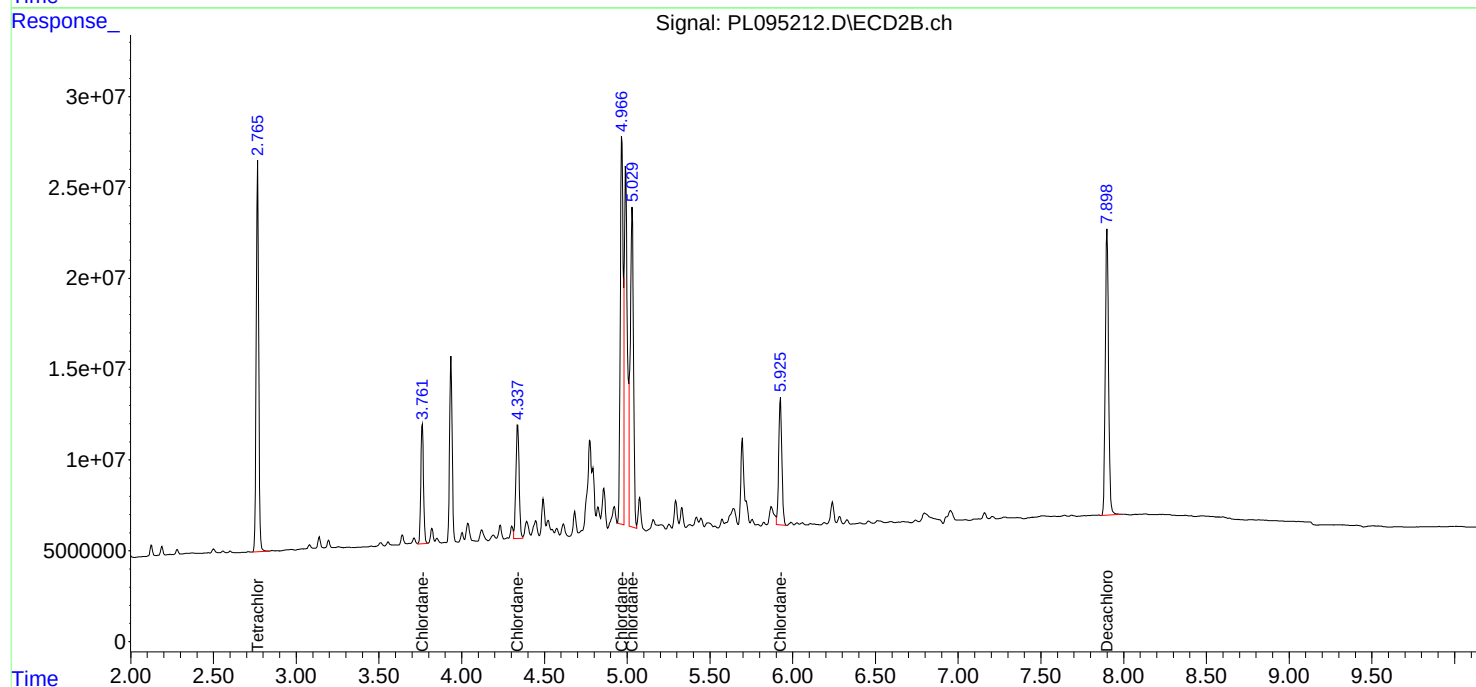
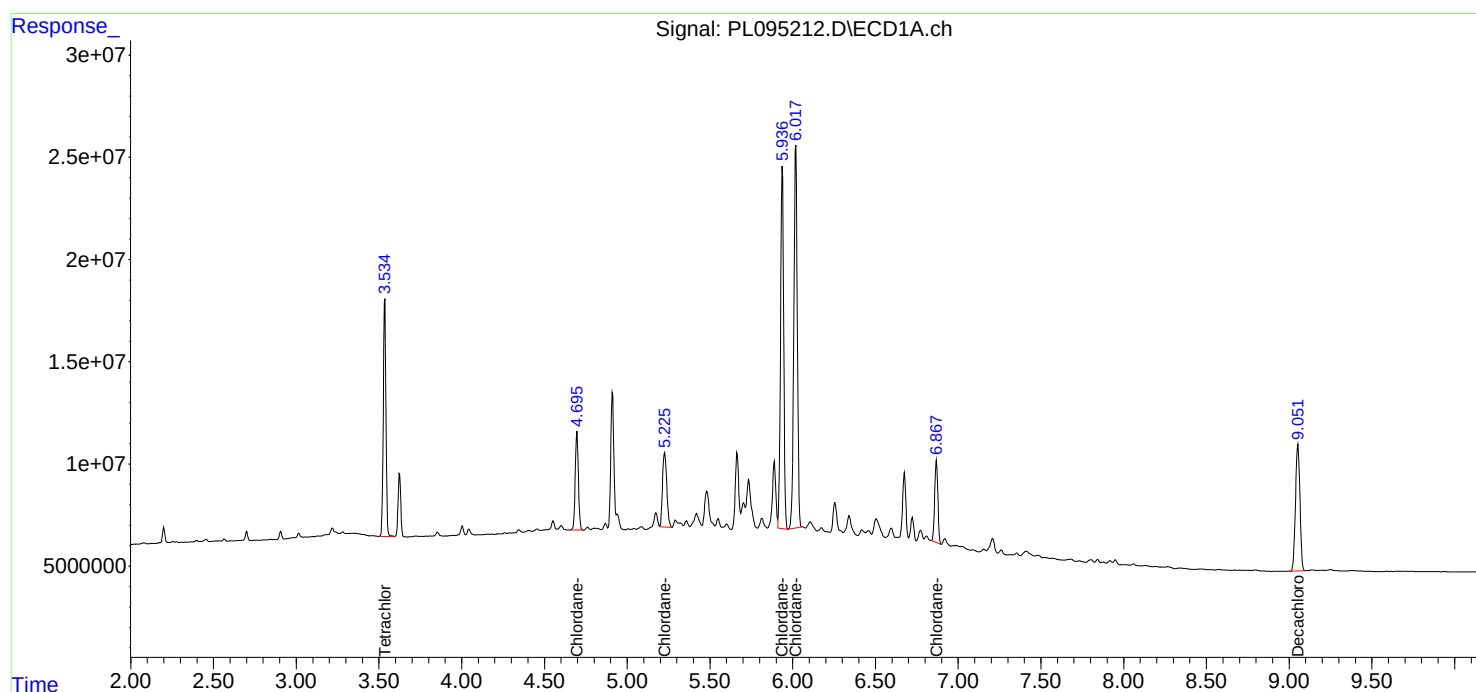
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 16:56
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: Apr 14 17:38:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 17:38:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
 Data File : PL095217.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 18:05
 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: Apr 14 18:20:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 18:20:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	132.6E6	180.0E6	50.000	50.000
7) SA Decachlor...	9.053	7.899	118.1E6	216.2E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.234	4.992	13687983	13749887	500.000	500.000
3) Toxaphene-2	6.438	5.317	7458387	12707474	500.000	500.000
4) Toxaphene-3	7.056	5.675	41470983	13732893	500.000	500.000
5) Toxaphene-4	7.147	6.590	32465841	48370923	500.000	500.000
6) Toxaphene-5	7.932	7.030	23111792	53454651	500.000	500.000

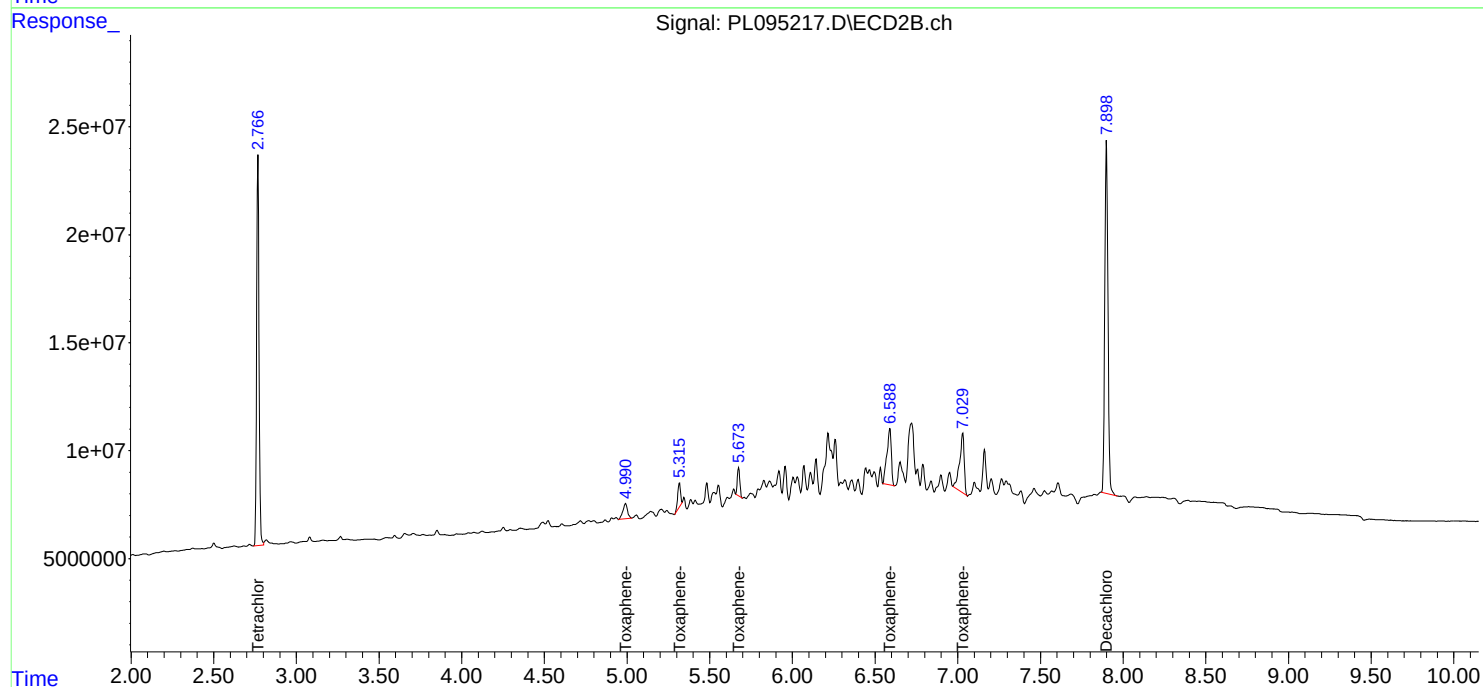
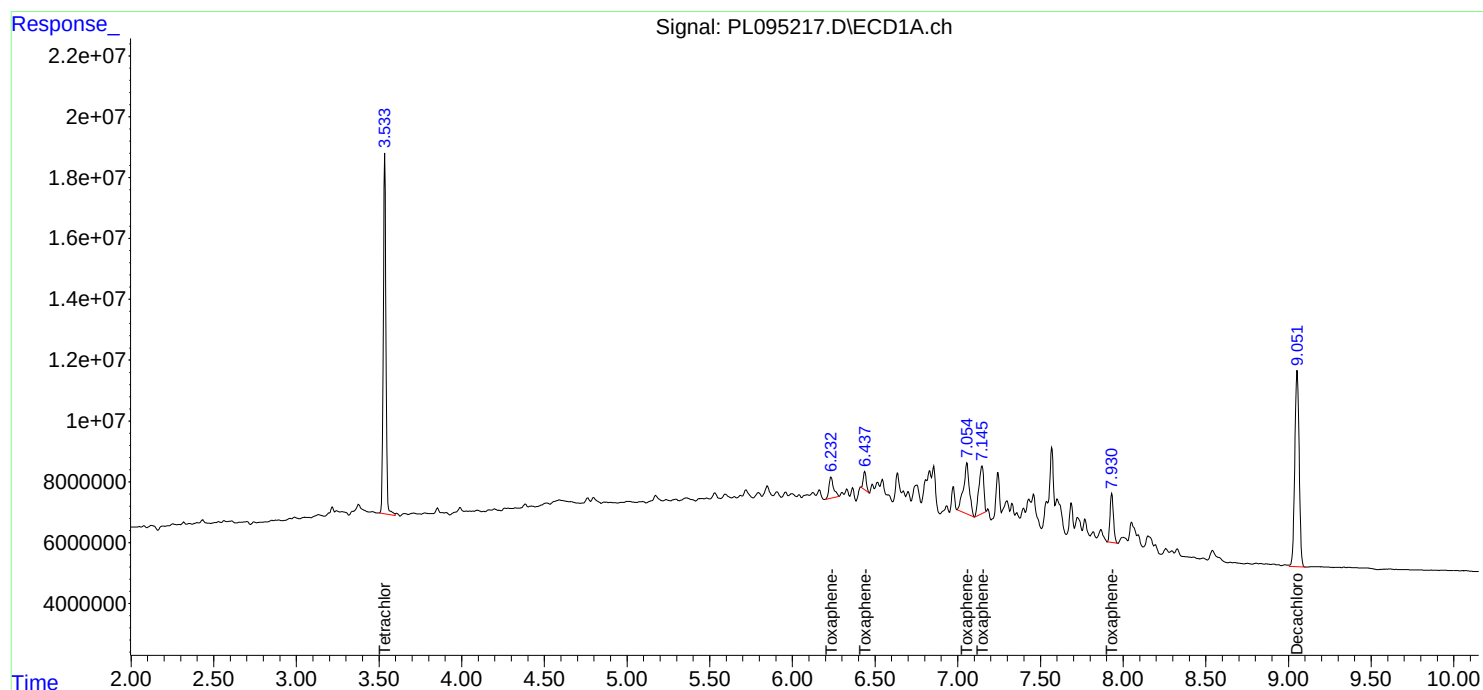
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095217.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 18:05
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: Apr 14 18:20:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 18:20:41 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\PL041425\
 Data File : PL095220.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 18:46
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL041425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 14 18:59:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 17:48:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.767	130.2E6	178.5E6	47.471	47.971
28)	SA Decachlor...	9.053	7.899	115.7E6	214.9E6	48.064	48.841
Target Compounds							
2)	A alpha-BHC	3.991	3.269	190.7E6	271.3E6	47.440	48.986
3)	MA gamma-BHC...	4.323	3.598	182.5E6	255.6E6	47.448	48.563
4)	MA Heptachlor	4.912	3.936	172.9E6	251.3E6	47.169	48.324
5)	MB Aldrin	5.253	4.215	166.6E6	236.7E6	47.217	48.560
6)	B beta-BHC	4.523	3.899	82974487	110.1E6	47.325	47.533
7)	B delta-BHC	4.770	4.127	181.4E6	251.3E6	46.287	48.616
8)	B Heptachlo...	5.680	4.718	152.8E6	221.0E6	47.582	48.378
9)	A Endosulfan I	6.066	5.087	145.0E6	212.7E6	46.809	48.994
10)	B gamma-Chl...	5.937	4.967	157.7E6	233.2E6	47.195	48.416
11)	B alpha-Chl...	6.015	5.031	155.7E6	229.3E6	46.892	48.387
12)	B 4,4'-DDE	6.190	5.220	154.4E6	232.7E6	47.225	48.326
13)	MA Dieldrin	6.342	5.351	155.6E6	233.6E6	47.208	48.668
14)	MA Endrin	6.572	5.627	122.6E6	201.5E6	47.039	48.241
15)	B Endosulfa...	6.793	5.922	135.0E6	210.1E6	47.343	47.845
16)	A 4,4'-DDD	6.708	5.775	122.9E6	190.3E6	48.389	48.933
17)	MA 4,4'-DDT	7.022	6.025	123.3E6	200.6E6	48.453	48.144
18)	B Endrin al...	6.922	6.102	105.5E6	161.8E6	47.915	48.015
19)	B Endosulfa...	7.157	6.325	122.6E6	200.9E6	47.724	48.093
20)	A Methoxychlor	7.498	6.600	63636431	108.8E6	47.510	48.450
21)	B Endrin ke...	7.642	6.829	139.5E6	246.3E6	48.339	48.849
22)	Mirex	8.114	7.008	100.8E6	185.5E6	47.405	47.192

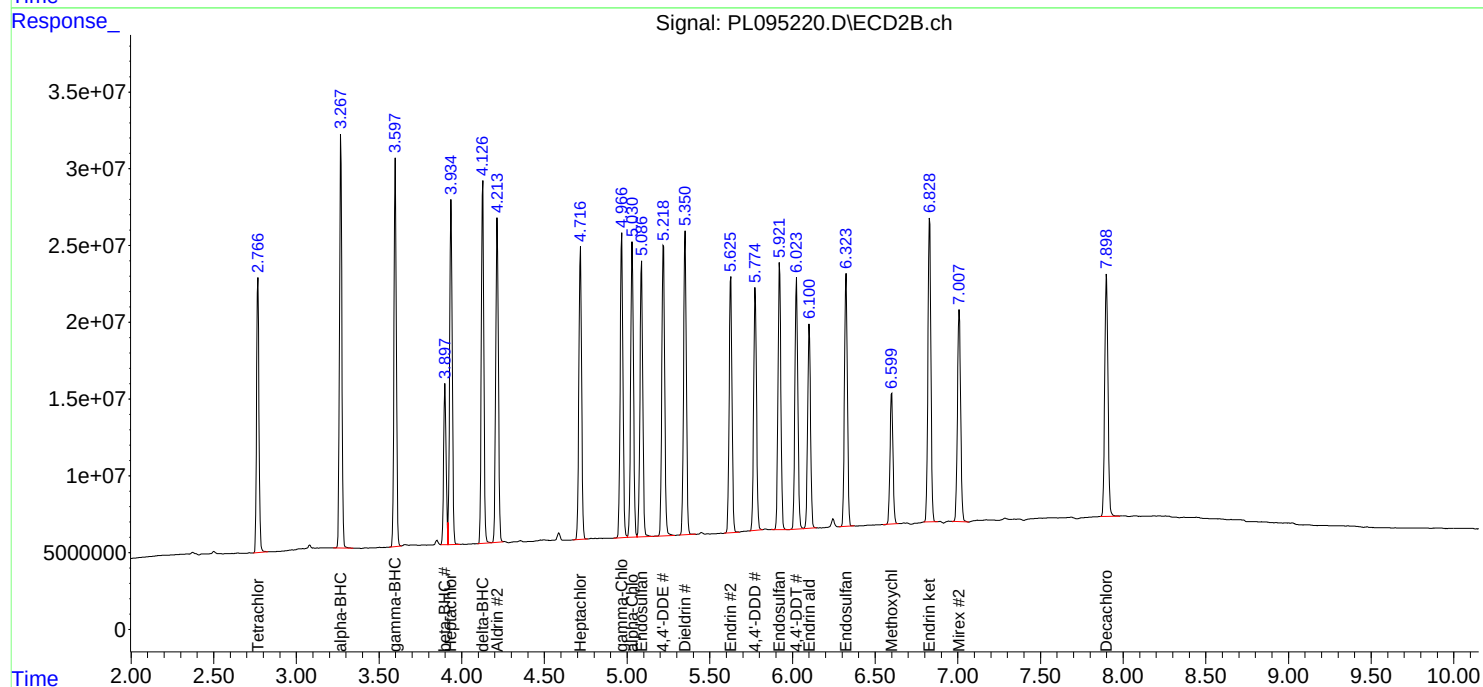
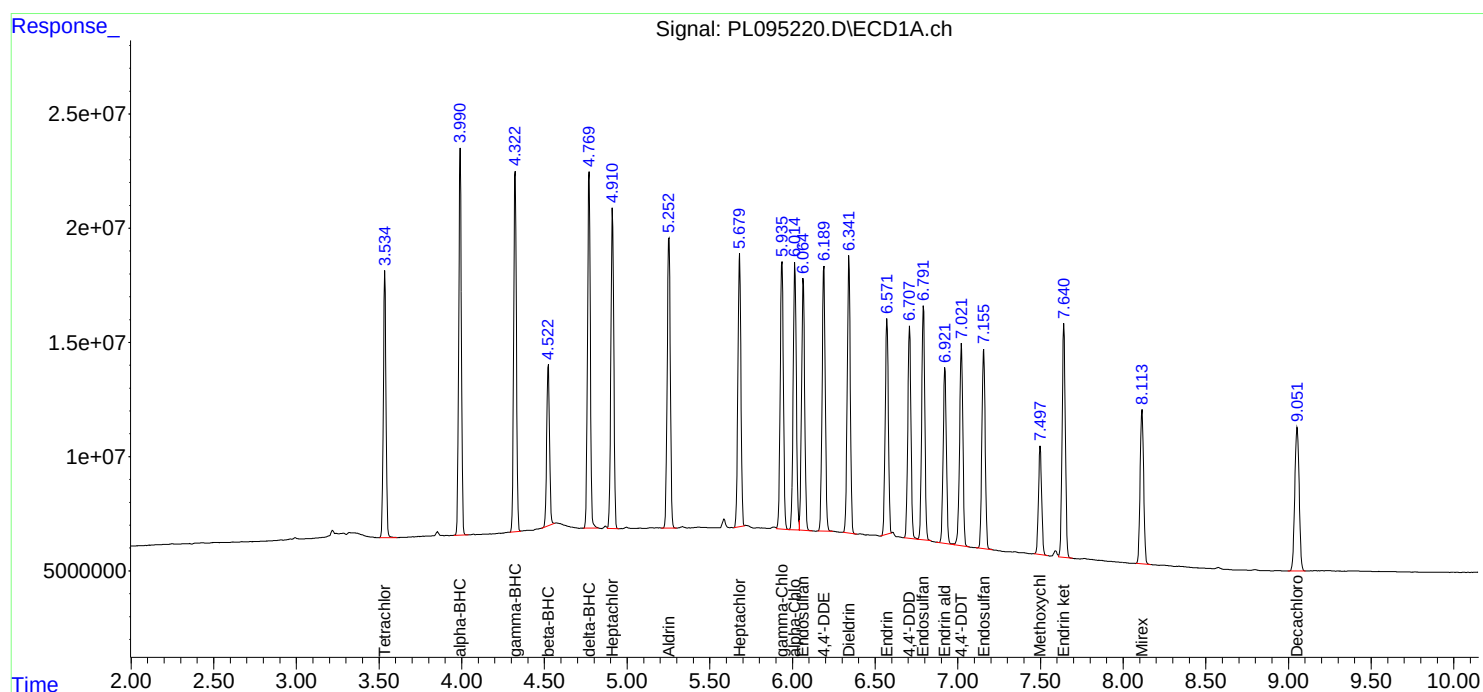
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095220.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 18:46
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL041425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 14 18:59:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 17:48:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
 Data File : PL095221.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 19:00
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL041425CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 14 19:10:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 19:09:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.767	136.3E6	231.0E6	49.908	50.238
28) SA Decachlor...	9.052	7.900	118.6E6	222.7E6	49.643	50.741
Target Compounds						
23) Chlordane-1	4.696	3.762	65024856	76165511	500.159	507.482
24) Chlordane-2	5.226	4.339	67306134	87806897	502.767	506.371
25) Chlordane-3	5.937	4.968	242.2E6	258.5E6	493.985	512.608
26) Chlordane-4	6.019	5.031	286.2E6	255.3E6	494.156	511.763
27) Chlordane-5	6.869	5.926	55552651	94442103	507.356	505.485

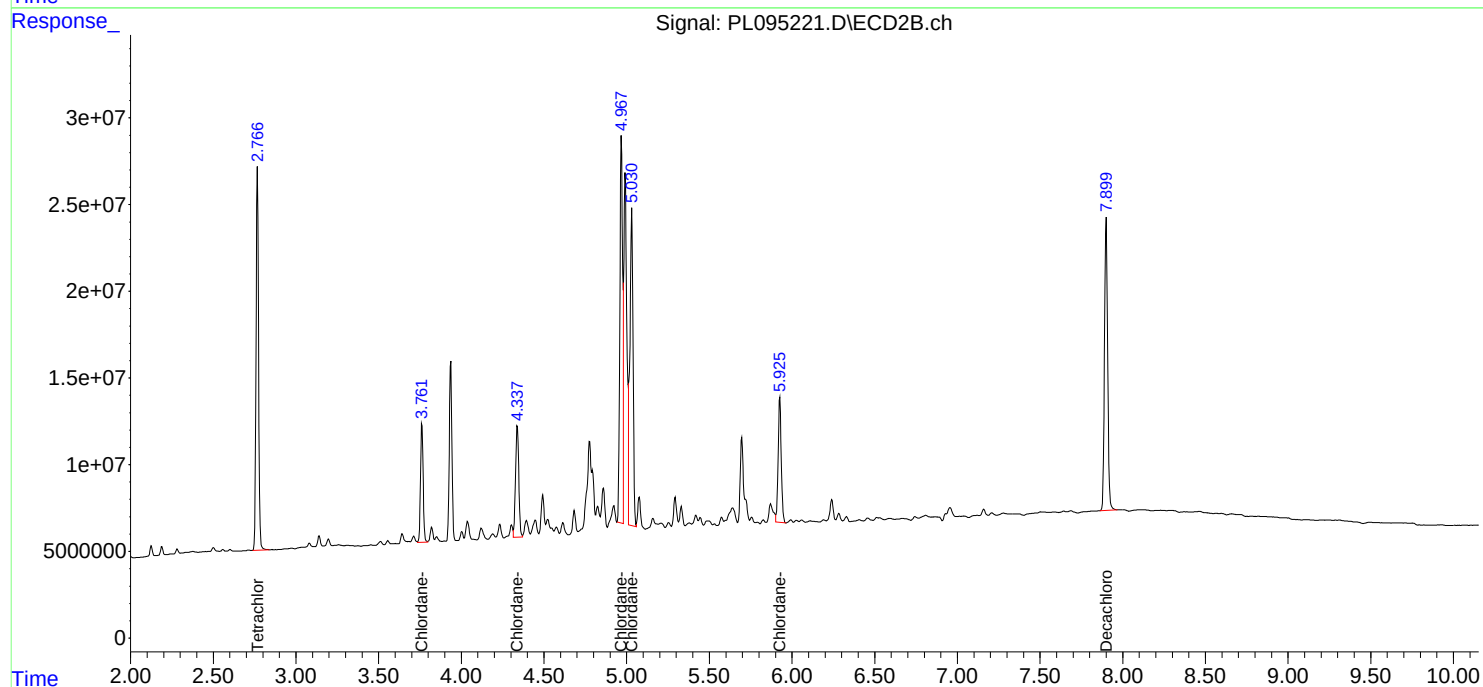
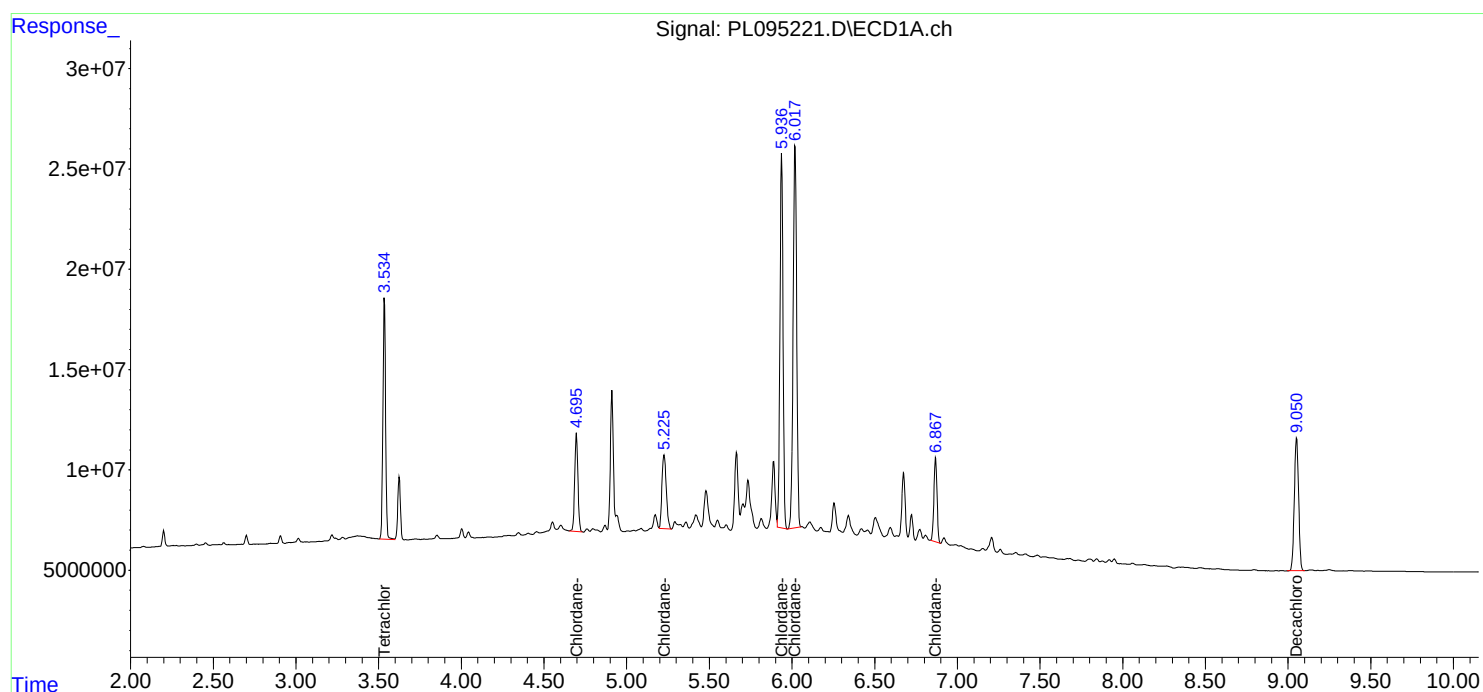
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095221.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 19:00
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL041425CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 14 19:10:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 19:09:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
 Data File : PL095222.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 19:13
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL041425TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 14 19:21:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 18:41:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	136.5E6	189.0E6	50.732	51.290
7) SA Decachlor...	9.052	7.899	120.9E6	222.6E6	50.709	51.215
Target Compounds						
2) Toxaphene-1	6.233	4.992	14155817	14818986	493.587	547.626
3) Toxaphene-2	6.438	5.317	7711487	12930560	487.760	514.703
4) Toxaphene-3	7.056	5.675	43279402	13686685	518.467	509.702
5) Toxaphene-4	7.147	6.590	32832240	48927088	510.619	510.766
6) Toxaphene-5	7.933	7.030	23445213	47908744	509.472	461.089

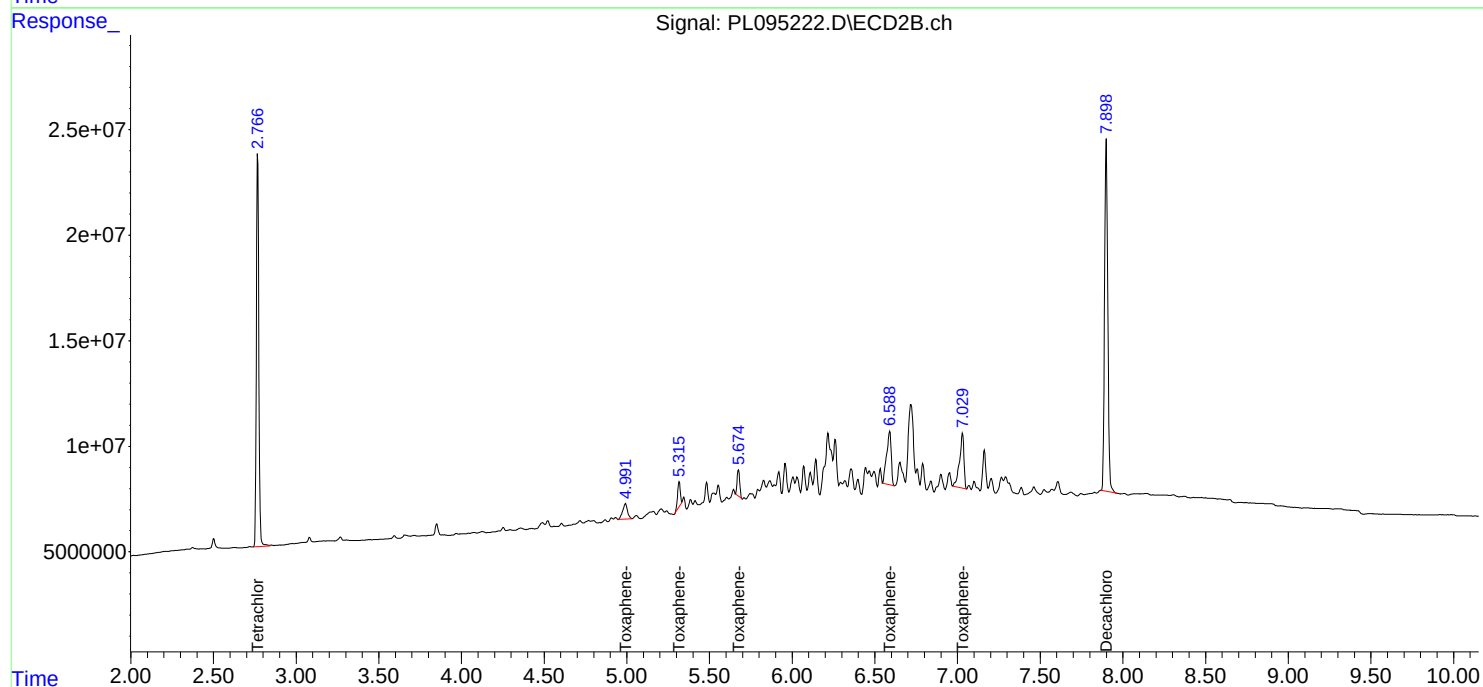
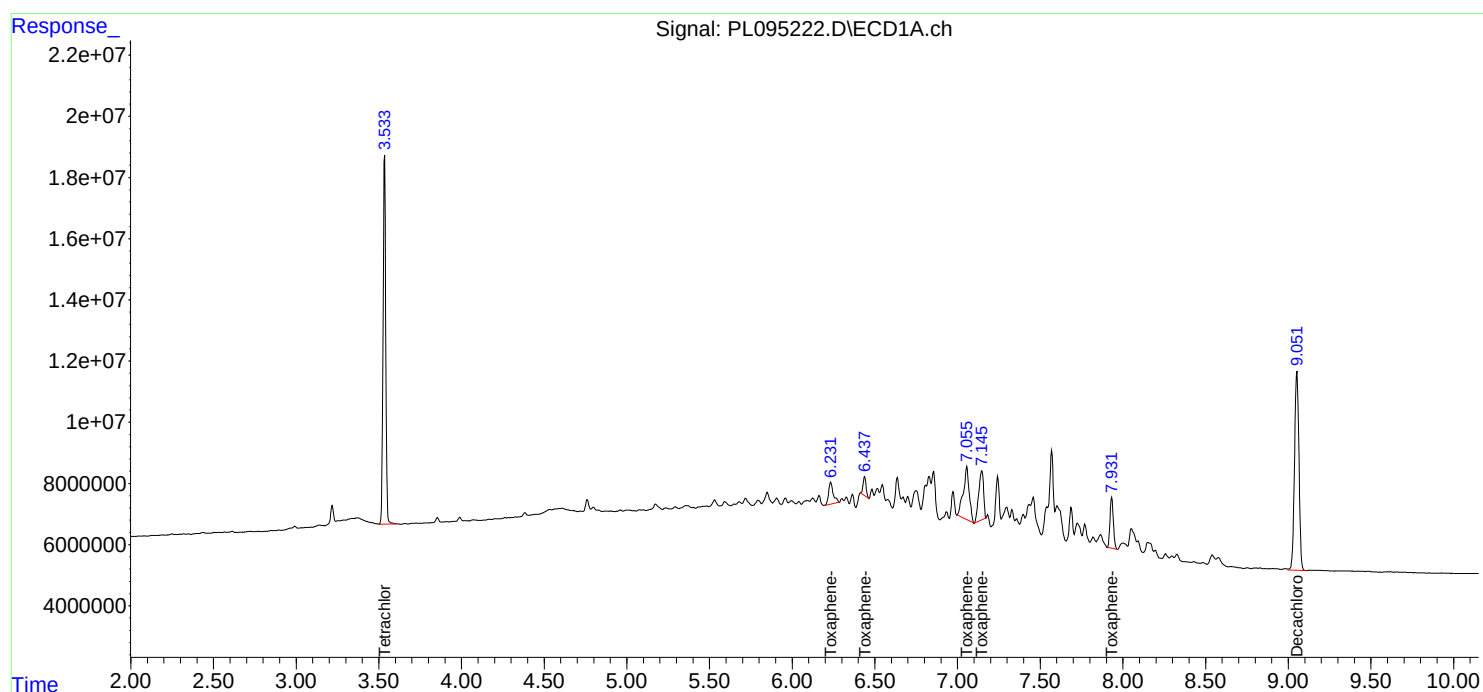
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 19:13
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL041425TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 14 19:21:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 18:41:01 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





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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL01 Date Analyzed: 04/09/2025

Lab Sample No.: PSTDCCC050 Data File : PL095138.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.048	8.956	9.156	48.170	50.000	-3.7
Endrin	6.567	6.474	6.674	42.670	50.000	-14.7
gamma-BHC (Lindane)	4.323	4.227	4.427	45.190	50.000	-9.6
Heptachlor	4.910	4.815	5.015	42.960	50.000	-14.1
Heptachlor epoxide	5.678	5.583	5.783	44.200	50.000	-11.6
Methoxychlor	7.495	7.400	7.600	48.130	50.000	-3.7
Tetrachloro-m-xylene	3.534	3.438	3.638	46.390	50.000	-7.2



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL01 Date Analyzed: 04/09/2025

Lab Sample No.: PSTDCCC050 Data File : PL095138.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.899	7.807	8.007	40.930	50.000	-18.1
Endrin	5.626	5.534	5.734	46.910	50.000	-6.2
gamma-BHC (Lindane)	3.599	3.504	3.704	50.840	50.000	1.7
Heptachlor	3.936	3.842	4.042	47.670	50.000	-4.7
Heptachlor epoxide	4.717	4.625	4.825	47.170	50.000	-5.7
Methoxychlor	6.599	6.507	6.707	44.680	50.000	-10.6
Tetrachloro-m-xylene	2.768	2.672	2.872	51.110	50.000	2.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095138.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 16:49
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:24:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.768	131.3E6	182.4E6	46.387	51.110
28)	SA Decachlor...	9.048	7.899	101.5E6	165.3E6	48.172	40.931
Target Compounds							
2)	A alpha-BHC	3.990	3.269	189.7E6	277.0E6	45.686	51.374
3)	MA gamma-BHC...	4.323	3.599	180.3E6	261.3E6	45.189	50.836
4)	MA Heptachlor	4.910	3.936	166.8E6	251.1E6	42.964	47.667
5)	MB Aldrin	5.252	4.215	160.7E6	236.9E6	43.523	48.578
6)	B beta-BHC	4.522	3.899	81970715	113.5E6	44.423	51.079
7)	B delta-BHC	4.769	4.127	177.9E6	254.4E6	45.675	50.868
8)	B Heptachlo...	5.678	4.717	147.8E6	216.0E6	44.197	47.169
9)	A Endosulfan I	6.064	5.087	138.4E6	186.1E6	45.084	42.404
10)	B gamma-Chl...	5.935	4.967	150.6E6	224.5E6	44.704	46.495
11)	B alpha-Chl...	6.013	5.031	147.6E6	220.1E6	44.766	46.123
12)	B 4,4'-DDE	6.188	5.218	145.5E6	226.8E6	49.470	48.782m
13)	MA Dieldrin	6.340	5.350	144.9E6	226.3E6	45.314	46.646m
14)	MA Endrin	6.567	5.626	118.3E6	204.7E6	42.671m	46.906m
15)	B Endosulfa...	6.789	5.921	123.0E6	194.3E6	45.326	44.896m
16)	A 4,4'-DDD	6.706	5.774	111.9E6	179.8E6	51.653	49.995
17)	MA 4,4'-DDT	7.018	6.025	109.1E6	179.1E6	45.854	44.415
18)	B Endrin al...	6.919	6.101	89997618	145.8E6	42.633	43.314
19)	B Endosulfa...	7.154	6.324	110.8E6	187.4E6	45.539	45.998
20)	A Methoxychlor	7.495	6.599	57616817	94773607	48.131	44.682
21)	B Endrin ke...	7.639	6.829	122.7E6	207.8E6	46.408	43.542
22)	Mirex	8.112	7.008	88334793	160.5E6	42.751	42.300

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 16:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

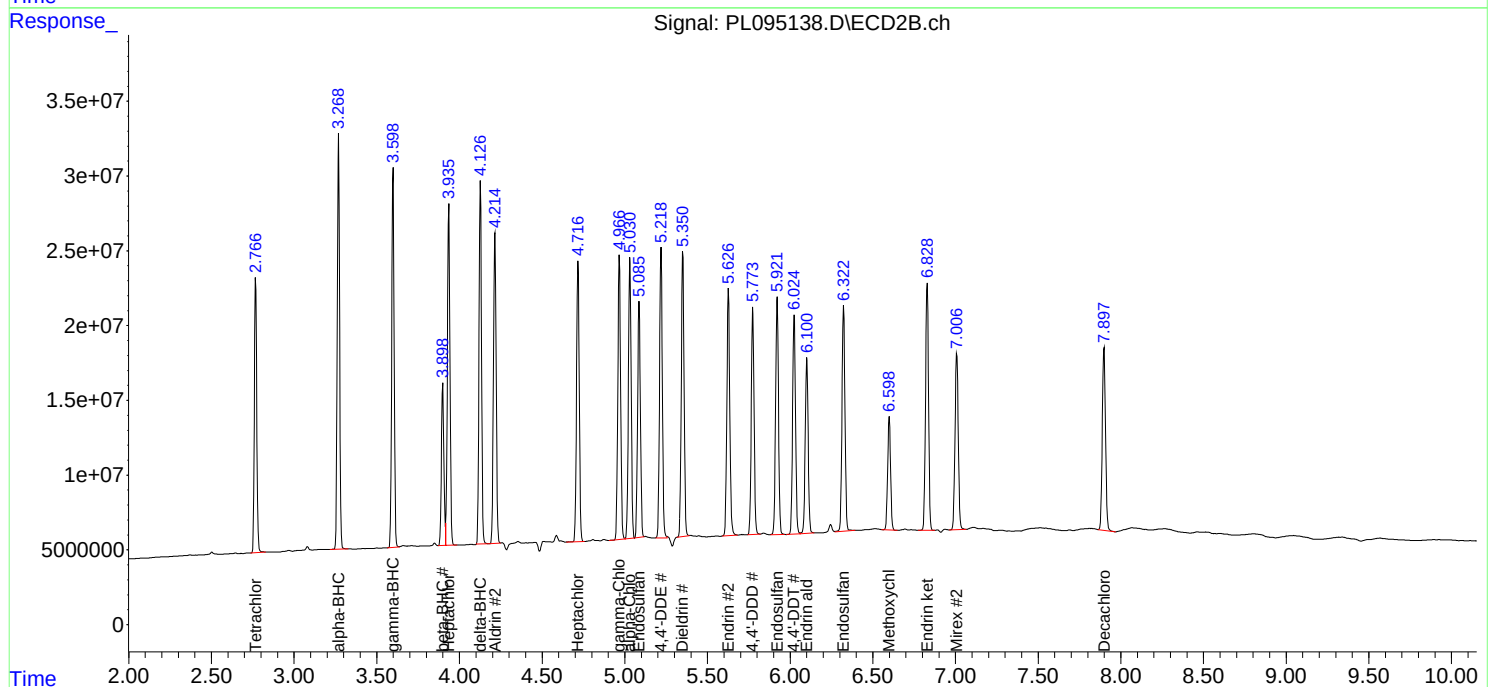
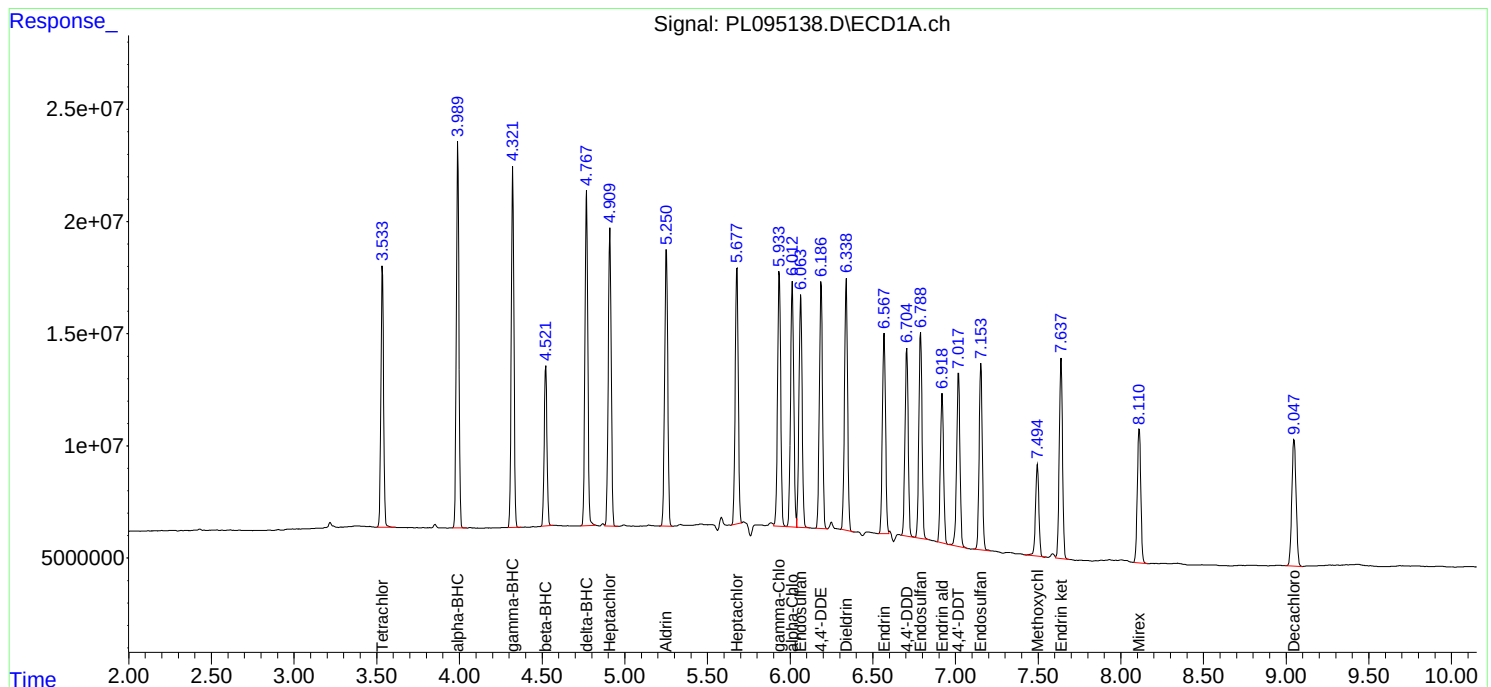
APPROVED

Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:24:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 20:20 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 20:20 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL02 Date Analyzed: 04/09/2025

Lab Sample No.: PSTDCCC050 Data File : PL095149.D Time Analyzed: 20:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.047	8.956	9.156	50.060	50.000	0.1
Endrin	6.567	6.474	6.674	40.440	50.000	-19.1
gamma-BHC (Lindane)	4.322	4.227	4.427	47.980	50.000	-4.0
Heptachlor	4.909	4.815	5.015	44.270	50.000	-11.5
Heptachlor epoxide	5.677	5.583	5.783	46.130	50.000	-7.7
Methoxychlor	7.492	7.400	7.600	46.330	50.000	-7.3
Tetrachloro-m-xylene	3.534	3.438	3.638	49.030	50.000	-1.9



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1746 **SAS No.:** Q1746 **SDG NO.:** Q1746
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025
Client Sample No.: CCAL02 **Date Analyzed:** 04/09/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095149.D **Time Analyzed:** 20:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.898	7.807	8.007	48.140	50.000	-3.7
Endrin	5.626	5.534	5.734	45.520	50.000	-9.0
gamma-BHC (Lindane)	3.598	3.504	3.704	53.340	50.000	6.7
Heptachlor	3.935	3.842	4.042	49.330	50.000	-1.3
Heptachlor epoxide	4.717	4.625	4.825	50.590	50.000	1.2
Methoxychlor	6.599	6.507	6.707	45.780	50.000	-8.4
Tetrachloro-m-xylene	2.767	2.672	2.872	53.560	50.000	7.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095149.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 20:20
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:26:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.767	138.8E6	191.2E6	49.030	53.559
28)	SA Decachlor...	9.047	7.898	105.5E6	194.5E6	50.062	48.140
Target Compounds							
2)	A alpha-BHC	3.989	3.269	201.1E6	290.5E6	48.422	53.878
3)	MA gamma-BHC...	4.322	3.598	191.5E6	274.2E6	47.982	53.344
4)	MA Heptachlor	4.909	3.935	171.8E6	259.9E6	44.265	49.325
5)	MB Aldrin	5.251	4.214	168.5E6	250.7E6	45.629	51.406
6)	B beta-BHC	4.521	3.898	88424439	120.0E6	47.921	54.013
7)	B delta-BHC	4.768	4.127	191.5E6	273.7E6	49.174	54.723
8)	B Heptachlo...	5.677	4.717	154.3E6	231.6E6	46.132	50.587
9)	A Endosulfan I	6.062	5.086	144.2E6	205.8E6	46.954	46.903
10)	B gamma-Chl...	5.934	4.966	157.7E6	243.0E6	46.809	50.330
11)	B alpha-Chl...	6.012	5.030	154.6E6	237.1E6	46.891	49.674
12)	B 4,4'-DDE	6.186	5.217	151.2E6	241.4E6	51.408	51.939m
13)	MA Dieldrin	6.337	5.348	151.8E6	240.5E6	47.450	49.567m
14)	MA Endrin	6.567	5.626	112.1E6	198.6E6	40.442	45.518
15)	B Endosulfa...	6.788	5.920	130.1E6	214.0E6	47.923	49.447m
16)	A 4,4'-DDD	6.704	5.774	120.5E6	200.2E6	55.615	55.683
17)	MA 4,4'-DDT	7.018	6.023	106.8E6	183.8E6	44.911	45.587
18)	B Endrin al...	6.918	6.100	97816045	158.8E6	46.337	47.180
19)	B Endosulfa...	7.153	6.323	116.6E6	200.1E6	47.946	49.114
20)	A Methoxychlor	7.492	6.599	55464369	97110486	46.333m	45.784
21)	B Endrin ke...	7.638	6.826	131.9E6	240.8E6	49.886	50.461m
22)	Mirex	8.110	7.005	91859797	174.5E6	44.456	45.991m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 20:20
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

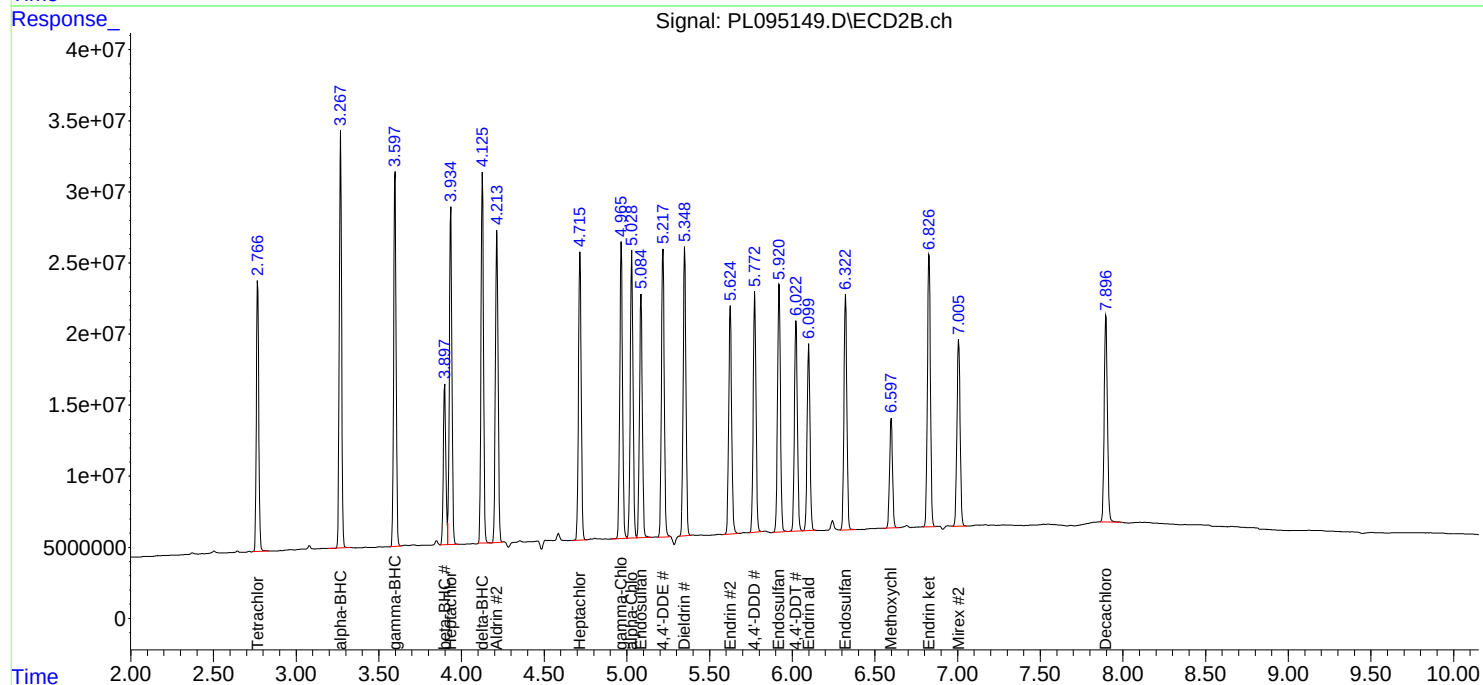
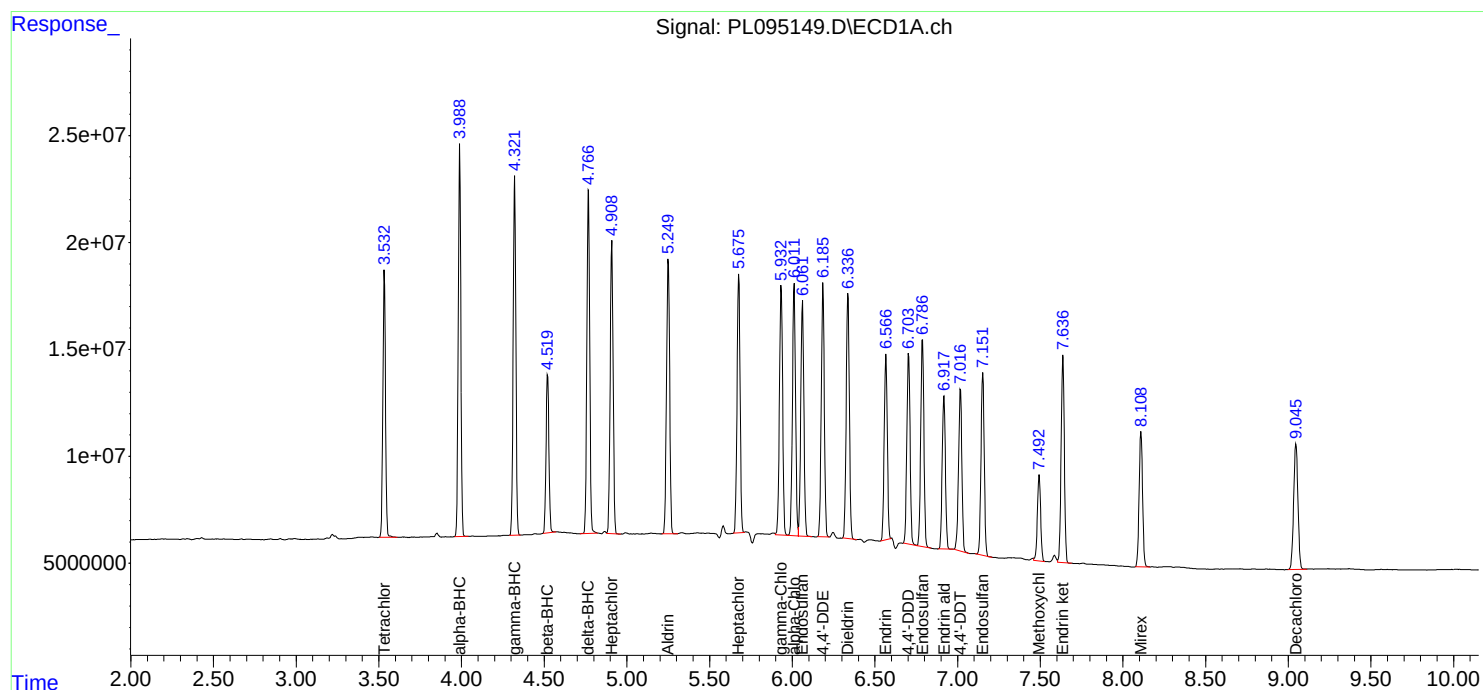
APPROVED

Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:26:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 23:33 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 23:33 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1746 **SAS No.:** Q1746 **SDG NO.:** Q1746
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025
Client Sample No.: CCAL03 **Date Analyzed:** 04/09/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095163.D **Time Analyzed:** 23:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.045	8.956	9.156	50.730	50.000	1.5
Endrin	6.567	6.474	6.674	41.680	50.000	-16.6
gamma-BHC (Lindane)	4.322	4.227	4.427	46.400	50.000	-7.2
Heptachlor	4.909	4.815	5.015	43.480	50.000	-13.0
Heptachlor epoxide	5.678	5.583	5.783	46.450	50.000	-7.1
Methoxychlor	7.494	7.400	7.600	47.060	50.000	-5.9
Tetrachloro-m-xylene	3.534	3.438	3.638	46.840	50.000	-6.3



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL03 Date Analyzed: 04/09/2025

Lab Sample No.: PSTDCCC050 Data File : PL095163.D Time Analyzed: 23:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.897	7.807	8.007	50.810	50.000	1.6
Endrin	5.625	5.534	5.734	46.200	50.000	-7.6
gamma-BHC (Lindane)	3.599	3.504	3.704	50.930	50.000	1.9
Heptachlor	3.935	3.842	4.042	47.430	50.000	-5.1
Heptachlor epoxide	4.717	4.625	4.825	48.940	50.000	-2.1
Methoxychlor	6.598	6.507	6.707	47.380	50.000	-5.2
Tetrachloro-m-xylene	2.768	2.672	2.872	51.170	50.000	2.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095163.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 23:33
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:28:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	132.6E6	182.6E6	46.843	51.173
28) SA Decachlor...	9.045	7.897	106.9E6	205.2E6	50.732	50.806
Target Compounds						
2) A alpha-BHC	3.990	3.269	192.3E6	277.8E6	46.321	51.533
3) MA gamma-BHC...	4.322	3.599	185.1E6	261.7E6	46.397	50.929
4) MA Heptachlor	4.909	3.935	168.8E6	249.9E6	43.477	47.427
5) MB Aldrin	5.250	4.214	166.8E6	240.7E6	45.164	49.365
6) B beta-BHC	4.522	3.899	83974744	114.3E6	45.509	51.458
7) B delta-BHC	4.768	4.126	184.6E6	259.5E6	47.400	51.883
8) B Heptachlo...	5.678	4.717	155.4E6	224.1E6	46.452	48.937
9) A Endosulfan I	6.063	5.085	144.9E6	185.4E6	47.180	42.255m
10) B gamma-Chl...	5.933	4.965	158.0E6	236.6E6	46.892	48.998m
11) B alpha-Chl...	6.012	5.029	155.2E6	235.6E6	47.078	49.370m
12) B 4,4'-DDE	6.186	5.217	150.7E6	235.2E6	51.213	50.592m
13) MA Dieldrin	6.338	5.349	152.2E6	236.1E6	47.584	48.668m
14) MA Endrin	6.567	5.625	115.5E6	201.6E6	41.676m	46.203
15) B Endosulfa...	6.788	5.919	131.2E6	216.2E6	48.316	49.945m
16) A 4,4'-DDD	6.704	5.773	121.7E6	198.7E6	56.173	55.265
17) MA 4,4'-DDT	7.018	6.023	109.5E6	184.8E6	46.050	45.837
18) B Endrin al...	6.918	6.100	99236115	160.1E6	47.009	47.561
19) B Endosulfa...	7.153	6.323	117.4E6	202.0E6	48.280	49.586
20) A Methoxychlor	7.494	6.598	56328509	100.5E6	47.055	47.376
21) B Endrin ke...	7.638	6.826	134.3E6	246.9E6	50.794	51.736m
22) Mirex	8.109	7.005	95686704	179.2E6	46.309	47.221m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 23:33
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

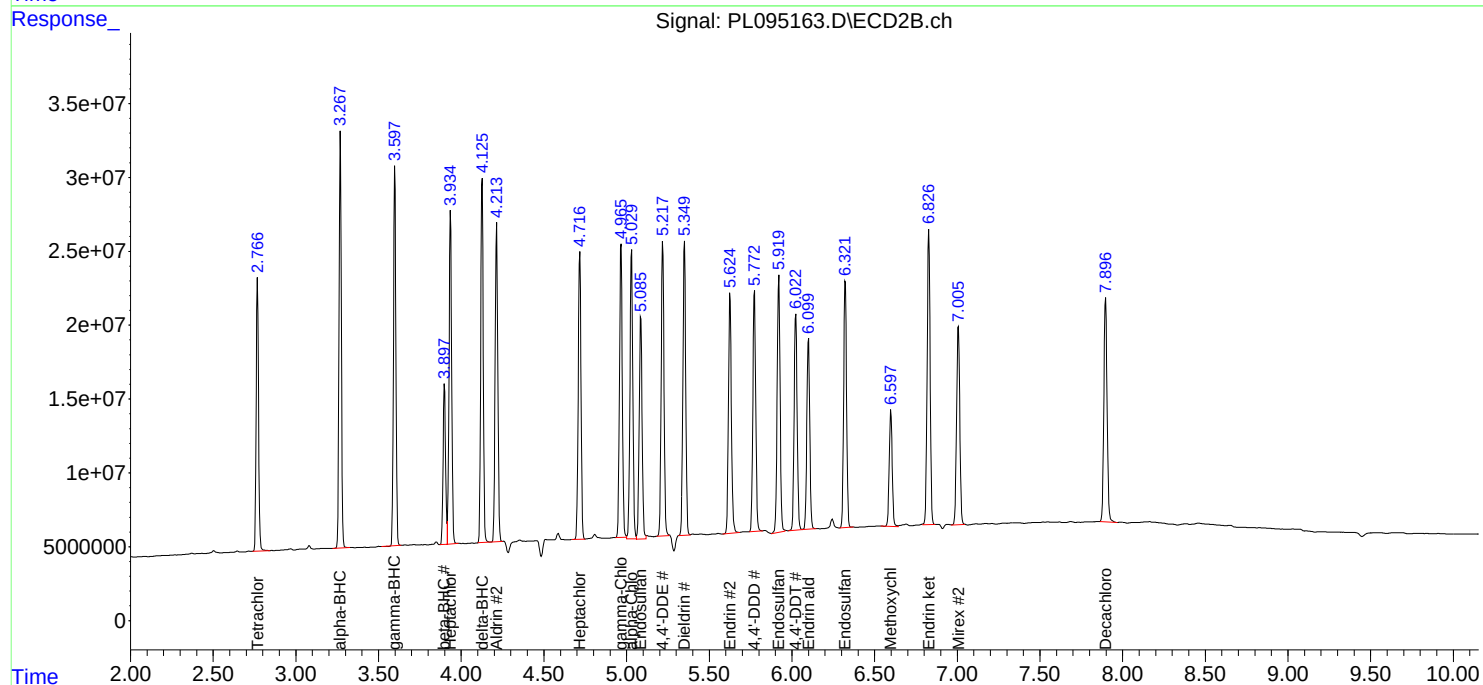
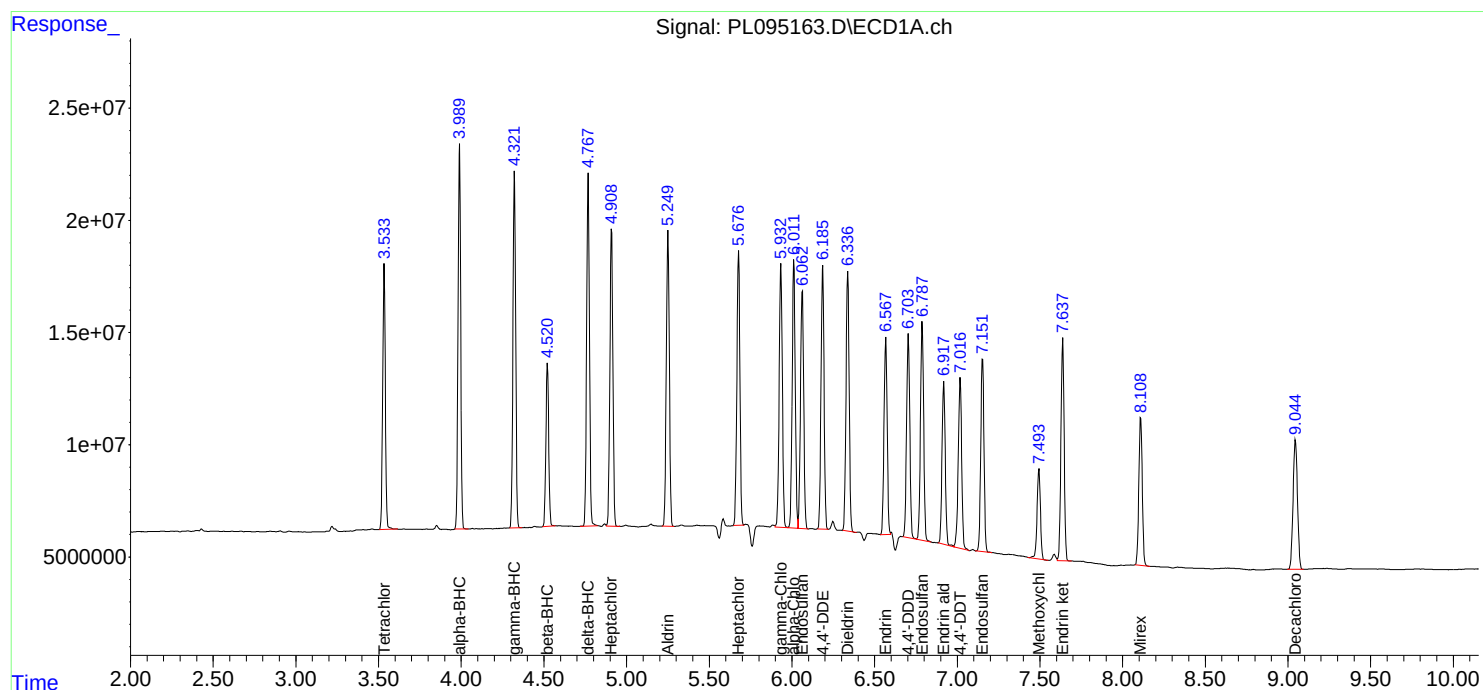
APPROVED

Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:28:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/15/2025 Initial Calibration Date(s): 04/14/2025 04/14/2025

Continuing Calib Time: 11:21 Initial Calibration Time(s): 15:07 16:15

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	-0.01
Heptachlor	4.92	4.91	4.81	5.01	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/15/2025 Initial Calibration Date(s): 04/14/2025 04/14/2025

Continuing Calib Time: 11:21 Initial Calibration Time(s): 15:07 16:15

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.90	7.80	8.00	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.60	6.50	6.70	0.00



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

CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1746 **SAS No.:** Q1746 **SDG NO.:** Q1746
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/14/2025 04/14/2025
Client Sample No.: CCAL04 **Date Analyzed:** 04/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095226.D **Time Analyzed:** 11:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.058	8.953	9.153	48.620	50.000	-2.8
Endrin	6.573	6.471	6.671	55.430	50.000	10.9
gamma-BHC (Lindane)	4.327	4.223	4.423	51.610	50.000	3.2
Heptachlor	4.915	4.811	5.011	51.810	50.000	3.6
Heptachlor epoxide	5.684	5.580	5.780	50.300	50.000	0.6
Methoxychlor	7.503	7.398	7.598	50.000	50.000	0.0
Tetrachloro-m-xylene	3.539	3.435	3.635	50.650	50.000	1.3



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1746 **SAS No.:** Q1746 **SDG NO.:** Q1746
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/14/2025 04/14/2025
Client Sample No.: CCAL04 **Date Analyzed:** 04/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095226.D **Time Analyzed:** 11:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.901	7.800	8.000	48.840	50.000	-2.3
Endrin	5.629	5.527	5.727	50.820	50.000	1.6
gamma-BHC (Lindane)	3.599	3.499	3.699	46.180	50.000	-7.6
Heptachlor	3.937	3.836	4.036	50.060	50.000	0.1
Heptachlor epoxide	4.719	4.618	4.818	49.610	50.000	-0.8
Methoxychlor	6.601	6.499	6.699	50.970	50.000	1.9
Tetrachloro-m-xylene	2.768	2.667	2.867	47.180	50.000	-5.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
 Data File : PL095226.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Apr 2025 11:21
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/16/2025
 Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 15 12:01:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 19:12:49 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...	3.539	2.768	139.0E6	175.5E6	50.653	47.175
28)	SA Decachlor...	9.058	7.901	117.1E6	214.9E6	48.623	48.842
Target Compounds							
2)	A alpha-BHC	3.994	3.270	208.2E6	269.1E6	51.802	48.598
3)	MA gamma-BHC...	4.327	3.599	198.5E6	243.1E6	51.608	46.183
4)	MA Heptachlor	4.915	3.937	190.0E6	260.3E6	51.812	50.057
5)	MB Aldrin	5.257	4.216	183.9E6	243.2E6	52.123	49.899
6)	B beta-BHC	4.527	3.900	86080917	106.9E6	49.097	46.144
7)	B delta-BHC	4.774	4.128	186.9E6	253.3E6	47.689	49.002
8)	B Heptachlo...	5.684	4.719	161.5E6	226.7E6	50.297	49.614
9)	A Endosulfan I	6.070	5.088	160.5E6	214.4E6	51.806	49.384
10)	B gamma-Chl...	5.940	4.968	171.8E6	241.6E6	51.417	50.151
11)	B alpha-Chl...	6.019	5.032	171.3E6	238.4E6	51.604	50.293
12)	B 4,4'-DDE	6.193	5.221	163.2E6	243.5E6	49.915	50.571
13)	MA Dieldrin	6.345	5.352	170.6E6	245.7E6	51.771	51.178
14)	MA Endrin	6.573	5.629	144.5E6	212.3E6	55.433m	50.816
15)	B Endosulfa...	6.796	5.923	147.4E6	215.5E6	51.678	49.082
16)	A 4,4'-DDD	6.712	5.776	123.2E6	184.4E6	48.529	47.398
17)	MA 4,4'-DDT	7.026	6.026	133.7E6	214.4E6	52.538	51.469
18)	B Endrin al...	6.925	6.103	113.5E6	171.0E6	51.551	50.754
19)	B Endosulfa...	7.161	6.326	131.1E6	211.6E6	51.017	50.672
20)	A Methoxychlor	7.503	6.601	66969361	114.5E6	49.998	50.968
21)	B Endrin ke...	7.646	6.830	141.8E6	244.3E6	49.107	48.443m
22)	Mirex	8.118	7.010	108.0E6	188.5E6	50.790	47.949

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
Data File : PL095226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Apr 2025 11:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

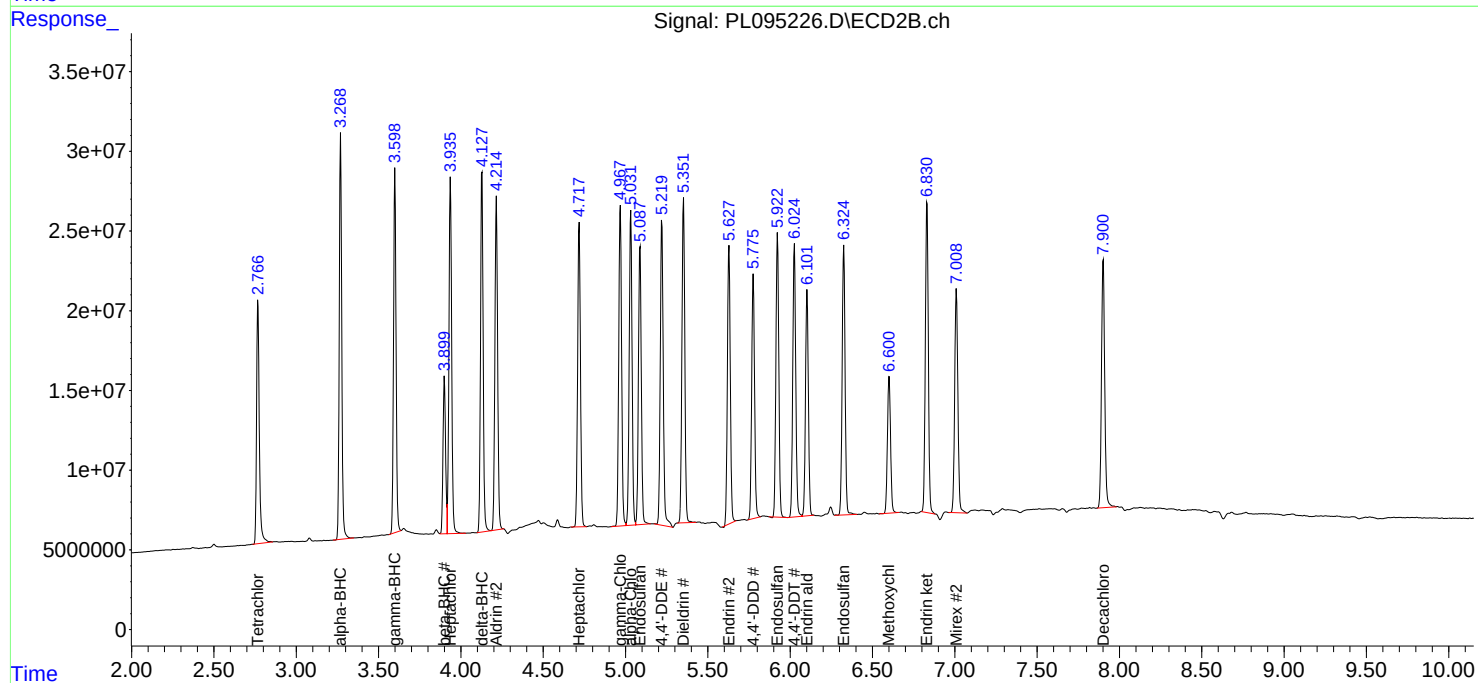
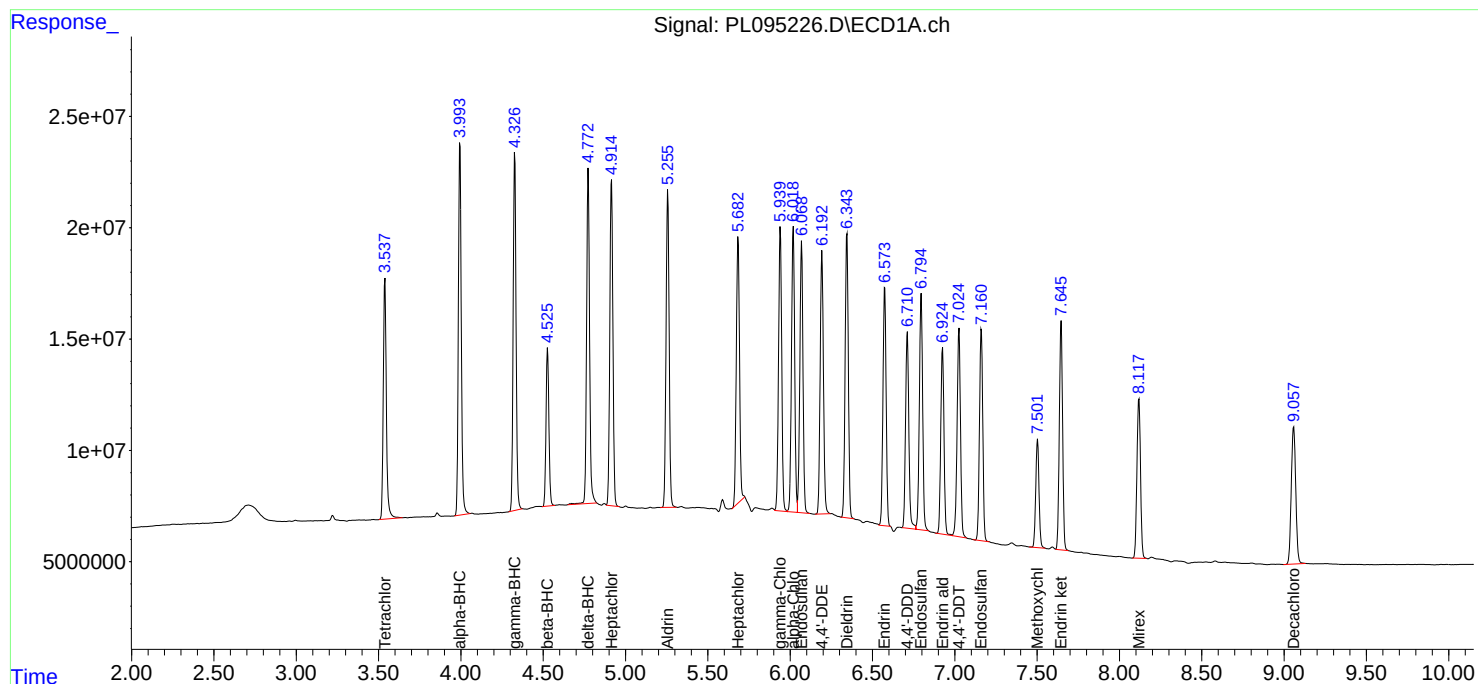
APPROVED

Reviewed By :Abdul Mirza 04/16/2025

Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 15 12:01:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 19:12:49 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: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/15/2025 Initial Calibration Date(s): 04/14/2025 04/14/2025

Continuing Calib Time: 15:08 Initial Calibration Time(s): 15:07 16:15

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	-0.01
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

Continuing Calib Date: 04/15/2025 Initial Calibration Date(s): 04/14/2025 04/14/2025

Continuing Calib Time: 15:08 Initial Calibration Time(s): 15:07 16:15

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.90	7.80	8.00	-0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.61	6.60	6.50	6.70	-0.01



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

CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1746 **SAS No.:** Q1746 **SDG NO.:** Q1746
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/14/2025 04/14/2025
Client Sample No.: CCAL05 **Date Analyzed:** 04/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095236.D **Time Analyzed:** 15:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.063	8.953	9.153	51.570	50.000	3.1
Endrin	6.579	6.471	6.671	55.680	50.000	11.4
gamma-BHC (Lindane)	4.331	4.223	4.423	51.130	50.000	2.3
Heptachlor	4.919	4.811	5.011	52.890	50.000	5.8
Heptachlor epoxide	5.688	5.580	5.780	51.510	50.000	3.0
Methoxychlor	7.507	7.398	7.598	49.330	50.000	-1.3
Tetrachloro-m-xylene	3.543	3.435	3.635	55.220	50.000	10.4



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q1746 **SAS No.:** Q1746 **SDG NO.:** Q1746
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/14/2025 04/14/2025
Client Sample No.: CCAL05 **Date Analyzed:** 04/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095236.D **Time Analyzed:** 15:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.906	7.800	8.000	43.400	50.000	-13.2
Endrin	5.631	5.527	5.727	53.150	50.000	6.3
gamma-BHC (Lindane)	3.602	3.499	3.699	49.310	50.000	-1.4
Heptachlor	3.940	3.836	4.036	52.310	50.000	4.6
Heptachlor epoxide	4.722	4.618	4.818	51.290	50.000	2.6
Methoxychlor	6.605	6.499	6.699	50.080	50.000	0.2
Tetrachloro-m-xylene	2.770	2.667	2.867	52.570	50.000	5.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
 Data File : PL095236.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Apr 2025 15:08
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/16/2025
 Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 15 15:20:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 19:12:49 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...	3.543	2.770	151.5E6	195.6E6	55.218	52.571
28)	SA Decachlor...	9.063	7.906	124.2E6	190.9E6	51.571	43.402
Target Compounds							
2)	A alpha-BHC	3.999	3.270	207.0E6	273.7E6	51.514	49.431m
3)	MA gamma-BHC...	4.331	3.602	196.6E6	259.5E6	51.130	49.306
4)	MA Heptachlor	4.919	3.940	193.9E6	272.0E6	52.888	52.307
5)	MB Aldrin	5.261	4.219	185.8E6	253.2E6	52.643	51.957
6)	B beta-BHC	4.531	3.902	86564180	112.6E6	49.373	48.604
7)	B delta-BHC	4.778	4.131	191.5E6	262.4E6	48.857	50.758
8)	B Heptachlo...	5.688	4.722	165.4E6	234.3E6	51.512	51.291
9)	A Endosulfan I	6.074	5.091	161.4E6	223.5E6	52.094	51.489
10)	B gamma-Chl...	5.945	4.972	173.7E6	245.2E6	51.991	50.916
11)	B alpha-Chl...	6.024	5.035	171.5E6	243.2E6	51.672	51.319
12)	B 4,4'-DDE	6.198	5.224	165.2E6	250.0E6	50.519	51.921
13)	MA Dieldrin	6.349	5.355	169.7E6	252.9E6	51.486	52.678
14)	MA Endrin	6.579	5.631	145.1E6	222.0E6	55.684	53.147
15)	B Endosulfa...	6.800	5.927	143.0E6	208.5E6	50.148	47.502
16)	A 4,4'-DDD	6.716	5.779	125.4E6	186.6E6	49.396	47.971
17)	MA 4,4'-DDT	7.029	6.029	130.5E6	204.7E6	51.281	49.143
18)	B Endrin al...	6.930	6.106	104.5E6	153.9E6	47.461	45.666
19)	B Endosulfa...	7.165	6.329	126.2E6	209.1E6	49.098	50.070
20)	A Methoxychlor	7.507	6.605	66068600	112.5E6	49.326	50.080
21)	B Endrin ke...	7.650	6.835	136.0E6	218.8E6	47.112	43.387
22)	Mirex	8.123	7.014	101.2E6	175.8E6	47.564	44.702

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
Data File : PL095236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Apr 2025 15:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

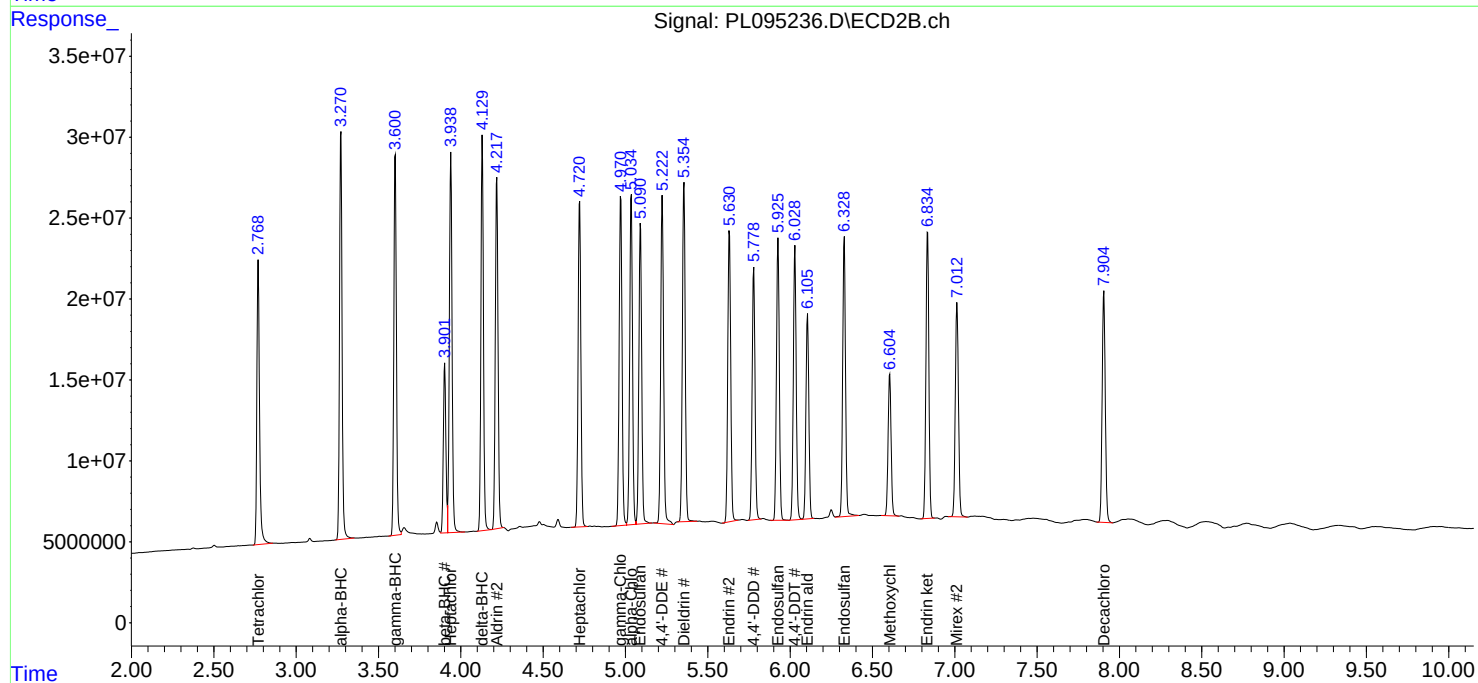
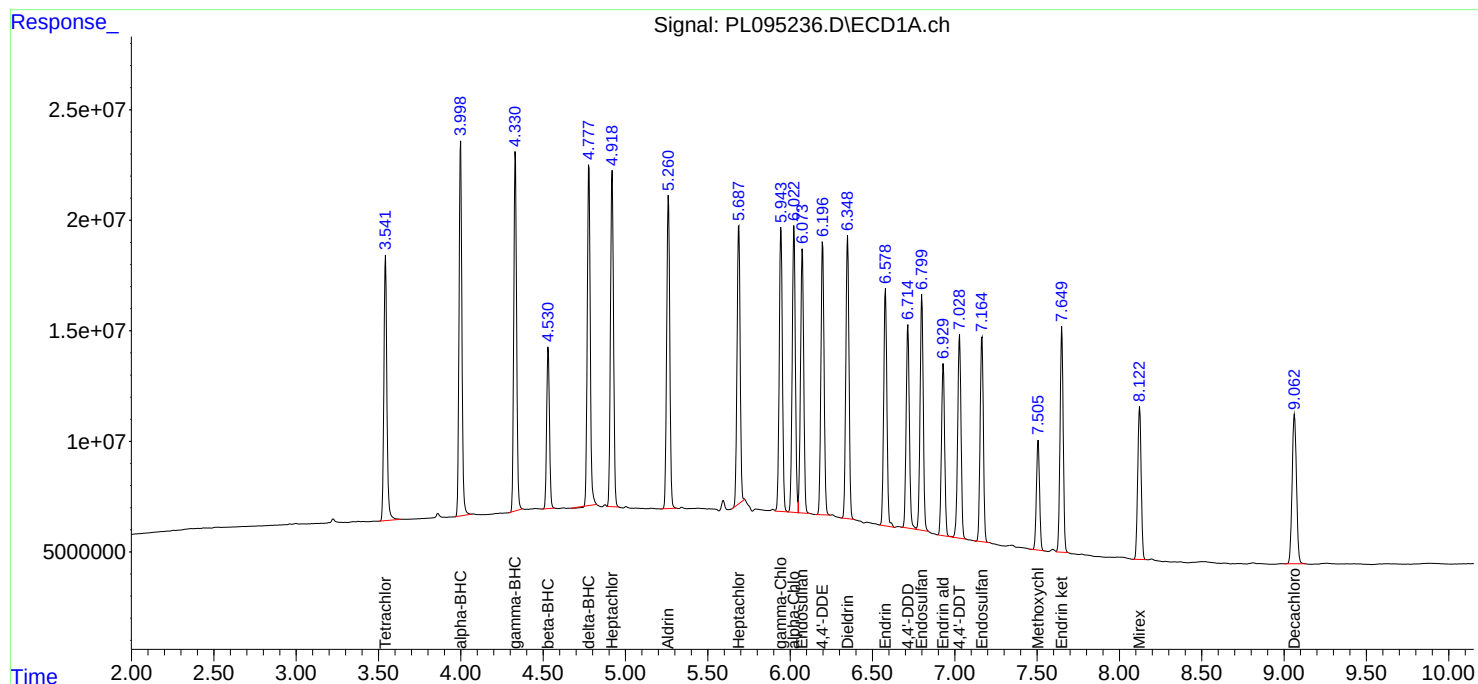
APPROVED

Reviewed By :Abdul Mirza 04/16/2025

Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 15 15:20:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 19:12:49 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: **PORT06**

Lab Code: **CHEM** Case No.: **Q1746** SAS No.: **Q1746** SDG NO.: **Q1746**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094567.D** Date Analyzed: **03/11/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:08**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.052	8.950	9.150	20.540	20.000	2.7
Tetrachloro-m-xylene	3.536	3.490	3.590	19.600	20.000	-2.0
alpha-BHC	3.992	3.940	4.040	10.230	10.000	2.3
beta-BHC	4.524	4.470	4.570	10.180	10.000	1.8
gamma-BHC (Lindane)	4.325	4.270	4.380	10.310	10.000	3.1
Endrin	6.572	6.500	6.640	43.430	50.000	-13.1
4,4'-DDT	7.021	6.950	7.090	87.030	100.000	-13.0
Methoxychlor	7.498	7.430	7.570	214.630	250.000	-14.1

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094567.D** Date Analyzed: **03/11/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:08**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.905	7.800	8.010	19.590	20.000	-2.1
Tetrachloro-m-xylene	2.771	2.720	2.820	19.320	20.000	-3.4
alpha-BHC	3.273	3.220	3.320	9.150	10.000	-8.5
beta-BHC	3.903	3.850	3.950	10.130	10.000	1.3
gamma-BHC (Lindane)	3.603	3.550	3.650	9.160	10.000	-8.4
Endrin	5.632	5.560	5.700	44.410	50.000	-11.2
4,4'-DDT	6.030	5.960	6.100	97.400	100.000	-2.6
Methoxychlor	6.605	6.530	6.680	224.380	250.000	-10.2

Data File: PEM
 PL094567.D Date Acquired 3/11/2025 10:08
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	120398593.5	128928778	8530184.47	Down 6.62
Endrin aldehyde	6.92	2907361.253			
Endrin ketone	7.64	5622823.215			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	193799545.9	209359013.2	15559467.3	7.43
Endrin aldehyde #2	6.11	6474395.287			
Endrin ketone #2	6.83	9085072.003			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	207005383.7	208269384.3	1264000.53	0.61
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	1264000.531			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	392738009.3	396959833.5	4221824.19	1.06
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	4221824.188			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094567.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:08
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/12/2025
 Supervised By : Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:34:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.771	55468340	68955312	19.595	19.319
2) SA Decachlor...	9.052	7.905	43281377	79131399	20.537	19.590
Target Compounds						
2) A alpha-BHC	3.992	3.273	42494047	49328954	10.234	9.150
3) MA gamma-BHC...	4.325	3.603	41158643	47101013	10.315	9.165
6) B beta-BHC	4.524	3.903	18789587	22504052	10.183	10.131
14) MA Endrin	6.572	5.632	120.4E6	193.8E6	43.433	44.412
16) A 4,4'-DDD	6.709	5.779	1264001	4221824	0.584m	1.174m#
17) MA 4,4'-DDT	7.021	6.030	207.0E6	392.7E6	87.030	97.403
18) B Endrin al...	6.919	6.106	2907361	6474395	1.377m	1.924 #
20) A Methoxychlor	7.498	6.605	256.9E6	475.9E6	214.629	224.378
21) B Endrin ke...	7.639	6.832	5622823	9085072	2.127m	1.904m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

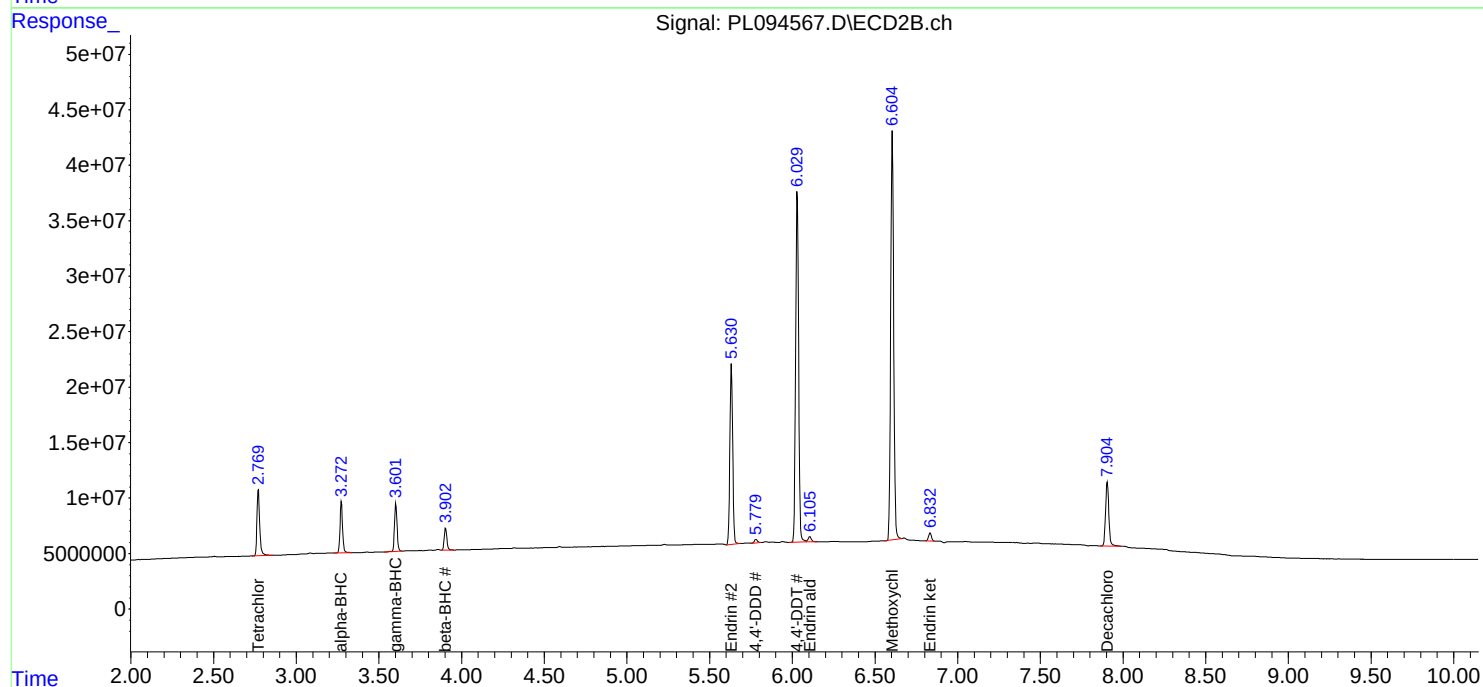
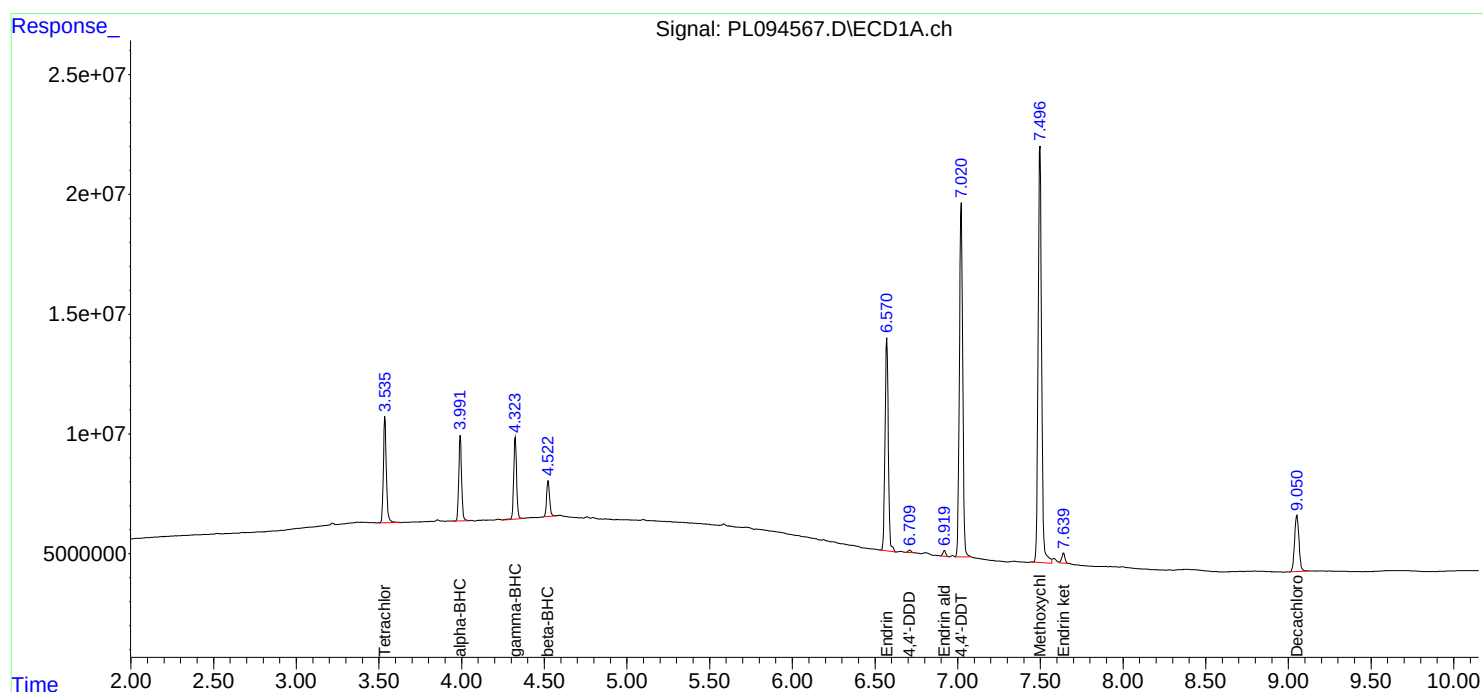
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/12/2025
Supervised By : Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:34:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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: **PORT06**

Lab Code: **CHEM** Case No.: **Q1746** SAS No.: **Q1746** SDG NO.: **Q1746**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL095128.D** Date Analyzed: **04/09/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:43**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.049	8.950	9.150	26.150	20.000	30.8
Tetrachloro-m-xylene	3.536	3.490	3.590	23.490	20.000	17.5
alpha-BHC	3.992	3.940	4.040	12.010	10.000	20.1
beta-BHC	4.523	4.470	4.570	12.040	10.000	20.4
gamma-BHC (Lindane)	4.324	4.270	4.370	12.060	10.000	20.6
Endrin	6.569	6.500	6.640	50.710	50.000	1.4
4,4'-DDT	7.020	6.950	7.090	112.470	100.000	12.5
Methoxychlor	7.497	7.430	7.570	271.750	250.000	8.7

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL095128.D** Date Analyzed: **04/09/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:43**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.900	7.800	8.000	24.640	20.000	23.2
Tetrachloro-m-xylene	2.770	2.720	2.820	24.610	20.000	23.1
alpha-BHC	3.271	3.220	3.320	11.740	10.000	17.4
beta-BHC	3.901	3.850	3.950	13.350	10.000	33.5
gamma-BHC (Lindane)	3.600	3.550	3.650	11.860	10.000	18.6
Endrin	5.627	5.560	5.700	56.090	50.000	12.2
4,4'-DDT	6.026	5.960	6.100	122.140	100.000	22.1
Methoxychlor	6.599	6.530	6.670	276.490	250.000	10.6

Data File: PEM
 PL095128.D Date Acquired 4/9/2025 8:43
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	140574644.9	153996895.7	13422250.8	8.72
Endrin aldehyde	6.92	4282681.057			
Endrin ketone	7.64	9139569.788			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	244750441.1	268411449	23661007.9	8.82
Endrin aldehyde #2	6.10	7686415.433			
Endrin ketone #2	6.83	15974592.51			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	267505288.8	273747113.8	6241824.95	2.28
4,4'-DDE	6.19	647348.476			
4,4'-DDD	6.70	5594476.479			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	492499876.3	499594931.4	7095055.03	1.42
4,4'-DDE #2	5.22	488039.879			
4,4'-DDD #2	5.78	6607015.155			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095128.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 08:43
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/10/2025
 Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:23:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.770	66485454	87840568	23.488	24.610
2) SA Decachlor...	9.049	7.900	55100680	99520683	26.146	24.638
Target Compounds						
2) A alpha-BHC	3.992	3.271	49863923	63272488	12.009	11.736
3) MA gamma-BHC...	4.324	3.600	48112751	60954572	12.058	11.860
6) B beta-BHC	4.523	3.901	22215731	29643720	12.040	13.345
12) B 4,4'-DDE	6.187	5.219	647348	488040	0.220m	0.105m#
14) MA Endrin	6.569	5.627	140.6E6	244.8E6	50.711m	56.088m
16) A 4,4'-DDD	6.704	5.776	5594476	6607015	2.583m	1.837 #
17) MA 4,4'-DDT	7.020	6.026	267.5E6	492.5E6	112.466	122.145
18) B Endrin al...	6.918	6.102	4282681	7686415	2.029m	2.284
20) A Methoxychlor	7.497	6.599	325.3E6	586.5E6	271.750	276.493m
21) B Endrin ke...	7.639	6.828	9139570	15974593	3.458	3.347m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 08:43
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

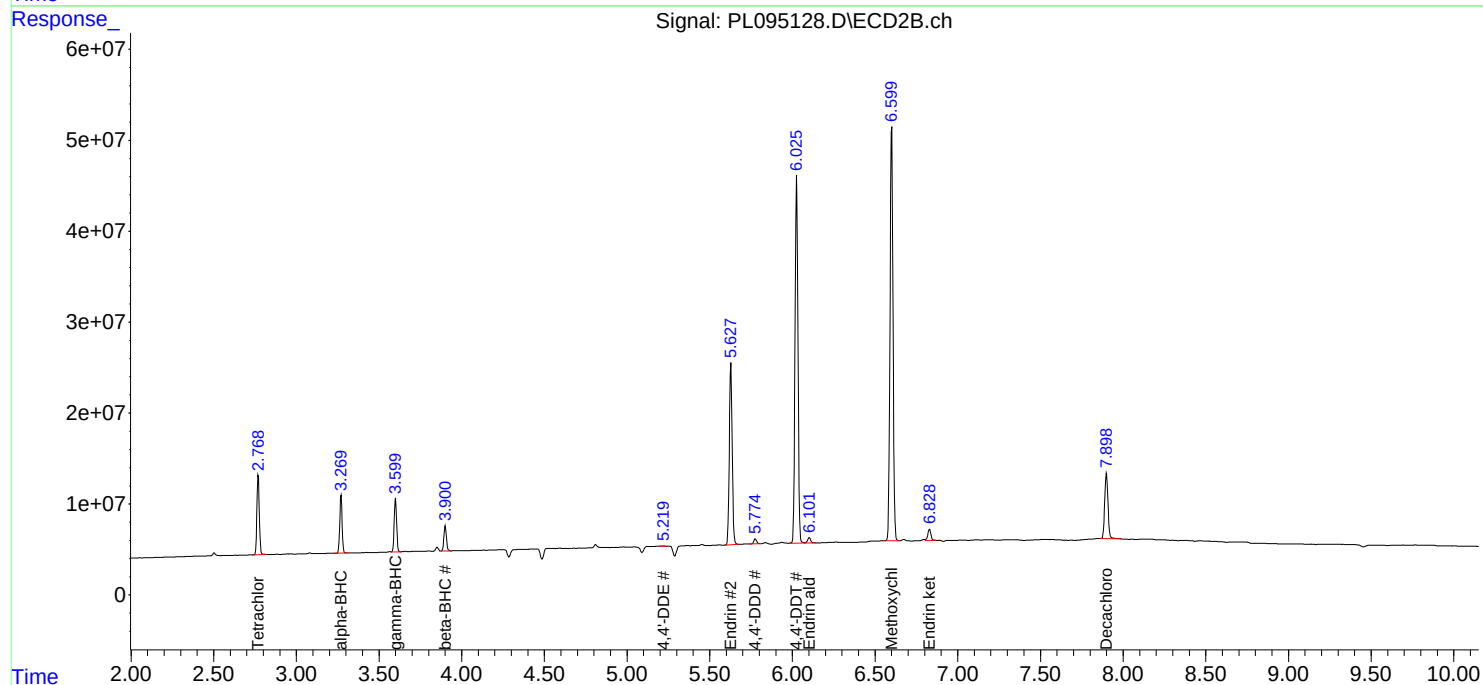
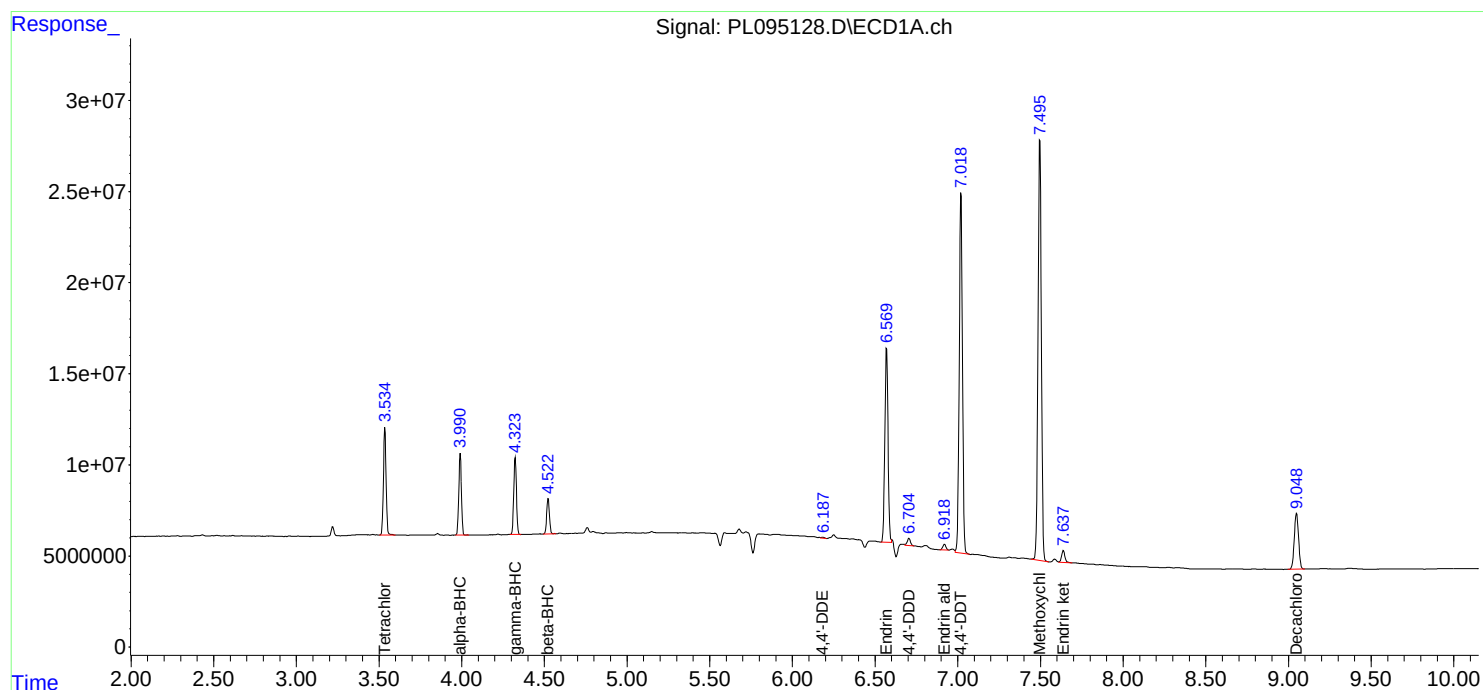
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/10/2025
Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:23:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: **PORT06**

Lab Code: **CHEM** Case No.: **Q1746** SAS No.: **Q1746** SDG NO.: **Q1746**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL095148.D** Date Analyzed: **04/09/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:39**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.047	8.950	9.150	22.310	20.000	11.6
Tetrachloro-m-xylene	3.534	3.480	3.580	21.230	20.000	6.2
alpha-BHC	3.990	3.940	4.040	10.890	10.000	8.9
beta-BHC	4.522	4.470	4.570	10.930	10.000	9.3
gamma-BHC (Lindane)	4.322	4.270	4.370	10.920	10.000	9.2
Endrin	6.568	6.500	6.640	41.960	50.000	-16.1
4,4'-DDT	7.019	6.950	7.090	86.460	100.000	-13.5
Methoxychlor	7.496	7.430	7.570	221.620	250.000	-11.4

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL095148.D** Date Analyzed: **04/09/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:39**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.898	7.800	8.000	19.250	20.000	-3.8
Tetrachloro-m-xylene	2.768	2.720	2.820	23.240	20.000	16.2
alpha-BHC	3.269	3.220	3.320	10.910	10.000	9.1
beta-BHC	3.899	3.850	3.950	12.120	10.000	21.2
gamma-BHC (Lindane)	3.598	3.550	3.650	10.830	10.000	8.3
Endrin	5.626	5.560	5.700	46.980	50.000	-6.0
4,4'-DDT	6.024	5.950	6.090	94.370	100.000	-5.6
Methoxychlor	6.599	6.530	6.670	221.180	250.000	-11.5

Data File: PEM
 PL095148.D Date Acquired 4/9/2025 19:39
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	116327702.3	131909720.3	15582018	Down 11.81
Endrin aldehyde	6.92	4741195.507			
Endrin ketone	7.64	10840822.51			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	204990623.4	232732003	27741379.6	11.92
Endrin aldehyde #2	6.10	8142151.521			
Endrin ketone #2	6.83	19599228.04			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	205649014.8	218305433.8	12656419	5.80
4,4'-DDE	6.18	869058.555			
4,4'-DDD	6.70	11787360.43			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.02	380511588.2	398066387.8	17554799.6	4.41
4,4'-DDE #2	5.22	566924.321			
4,4'-DDD #2	5.77	16987875.28			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095148.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 19:39
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/10/2025
 Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:25:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	60083928	82936227	21.226	23.236
28) SA Decachlor...	9.047	7.898	47024808	77743211	22.314	19.246
Target Compounds						
2) A alpha-BHC	3.990	3.269	45237159	58815373	10.894	10.909
3) MA gamma-BHC...	4.322	3.598	43575408	55677171	10.920	10.833
6) B beta-BHC	4.522	3.899	20165786	26918374	10.929	12.118
12) B 4,4'-DDE	6.181	5.217	869059	566924	0.295m	0.122m#
14) MA Endrin	6.568	5.626	116.3E6	205.0E6	41.964m	46.977
16) A 4,4'-DDD	6.704	5.774	11787360	16987875	5.442	4.724
17) MA 4,4'-DDT	7.019	6.024	205.6E6	380.5E6	86.460	94.370
18) B Endrin al...	6.917	6.100	4741196	8142152	2.246m	2.419
20) A Methoxychlor	7.496	6.599	265.3E6	469.1E6	221.617	221.180
21) B Endrin ke...	7.638	6.826	10840823	19599228	4.101	4.107m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 19:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

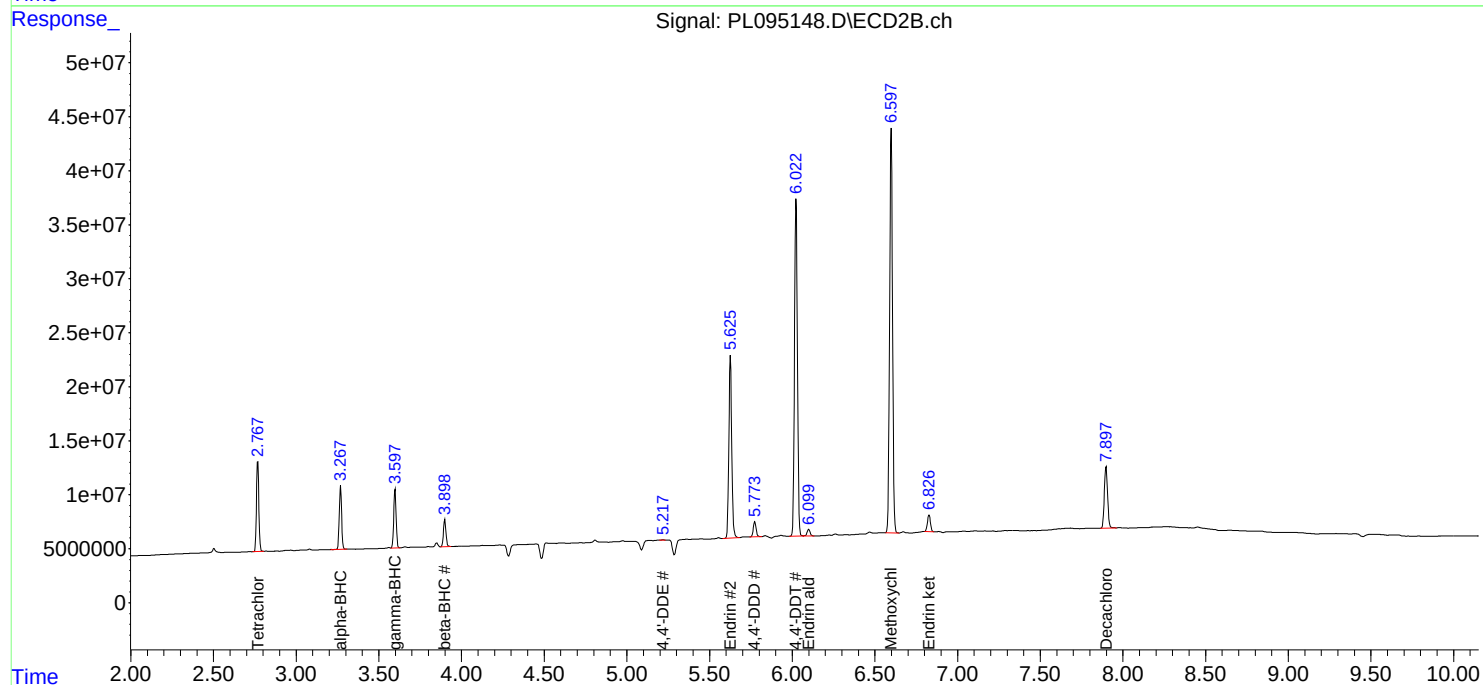
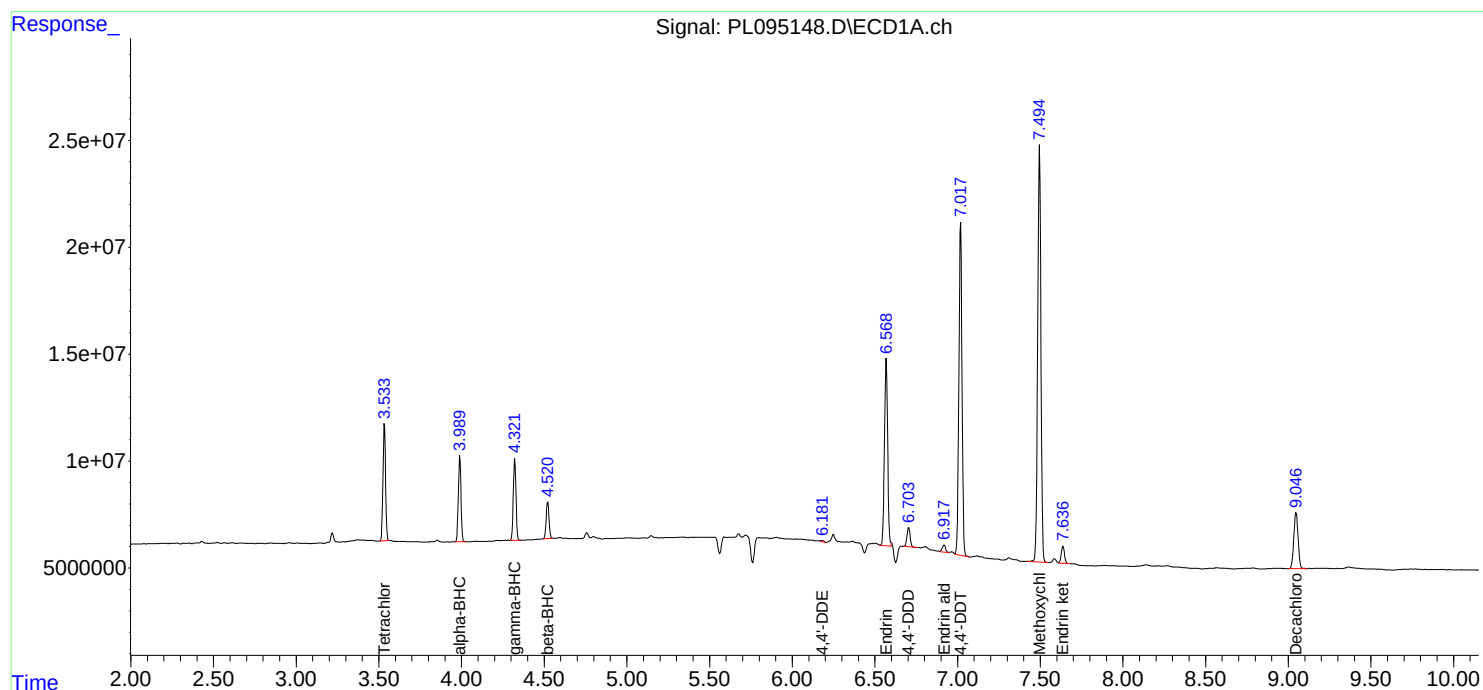
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/10/2025
Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:25:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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: **PORT06**

Lab Code: **CHEM** Case No.: **Q1746** SAS No.: **Q1746** SDG NO.: **Q1746**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/14/2025** **04/14/2025**

Client Sample No. (PEM): **PEM - PL095203.D** Date Analyzed: **04/14/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **14:40**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.050	8.950	9.150	22.620	20.000	13.1
Tetrachloro-m-xylene	3.534	3.480	3.580	21.850	20.000	9.3
alpha-BHC	3.990	3.940	4.040	11.380	10.000	13.8
beta-BHC	4.523	4.470	4.570	12.790	10.000	27.9
gamma-BHC (Lindane)	4.323	4.270	4.370	11.530	10.000	15.3
Endrin	6.570	6.500	6.640	50.330	50.000	0.7
4,4'-DDT	7.021	6.950	7.090	101.530	100.000	1.5
Methoxychlor	7.498	7.430	7.570	238.190	250.000	-4.7

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/14/2025** **04/14/2025**

Client Sample No. (PEM): **PEM - PL095203.D** Date Analyzed: **04/14/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **14:40**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.899	7.800	8.000	21.790	20.000	9.0
Tetrachloro-m-xylene	2.767	2.720	2.820	21.170	20.000	5.9
alpha-BHC	3.269	3.220	3.320	10.330	10.000	3.3
beta-BHC	3.899	3.850	3.950	11.180	10.000	11.8
gamma-BHC (Lindane)	3.598	3.550	3.650	10.190	10.000	1.9
Endrin	5.626	5.560	5.700	51.510	50.000	3.0
4,4'-DDT	6.024	5.950	6.090	109.830	100.000	9.8
Methoxychlor	6.598	6.530	6.670	252.390	250.000	1.0

Data File: PEM
 PL095203.D Date Acquired 4/14/2025 14:40
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	131156711.6	146239848.9	15083137.3	Down 10.31
Endrin aldehyde	6.92	5549836.528			
Endrin ketone	7.64	9533300.775			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	215191368.4	240888096.7	25696728.4	10.67
Endrin aldehyde #2	6.10	8950320.345			
Endrin ketone #2	6.83	16746408.03			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	258448536.4	263773992.2	5325455.87	2.02
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	5325455.868			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.02	457544796.4	465129955.9	7585159.5	1.63
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.77	7585159.503			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
 Data File : PL095203.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 14:40
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/15/2025
 Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 14 17:50:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 17:48:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.767	59927572	78795966	21.845	21.175
28) SA Decachlor...	9.050	7.899	54455736	95860091	22.617	21.791
Target Compounds						
2) A alpha-BHC	3.990	3.269	45745612	57187589	11.382	10.327
3) MA gamma-BHC...	4.323	3.598	44350744	53628267	11.533	10.189
6) B beta-BHC	4.523	3.899	22424949	25913977	12.790	11.184
14) MA Endrin	6.570	5.626	131.2E6	215.2E6	50.326	51.513
16) A 4,4'-DDD	6.705	5.774	5325456	7585160	2.097m	1.950
17) MA 4,4'-DDT	7.021	6.024	258.4E6	457.5E6	101.530	109.829
18) B Endrin al...	6.921	6.100	5549837	8950320	2.521	2.656
20) A Methoxychlor	7.498	6.598	319.0E6	566.8E6	238.192	252.394m
21) B Endrin ke...	7.640	6.828	9533301	16746408	3.303	3.321

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 14:40
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

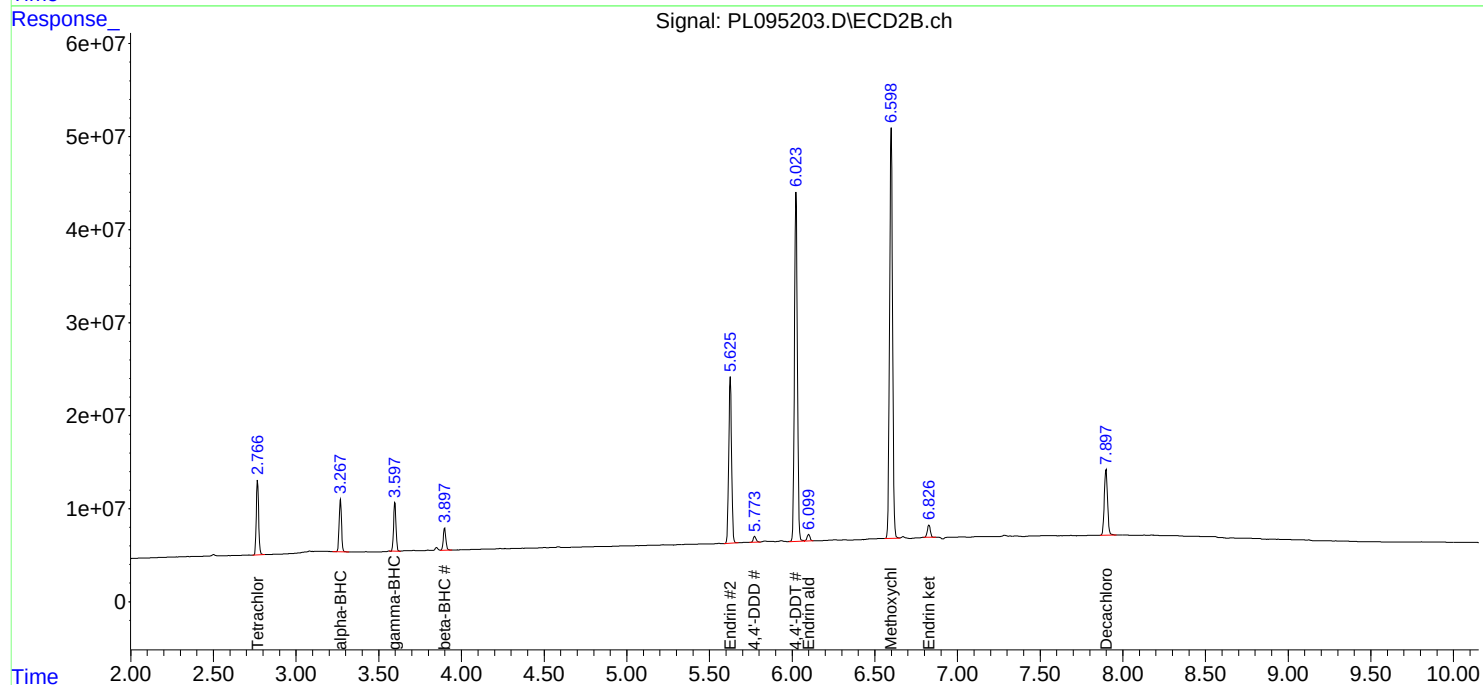
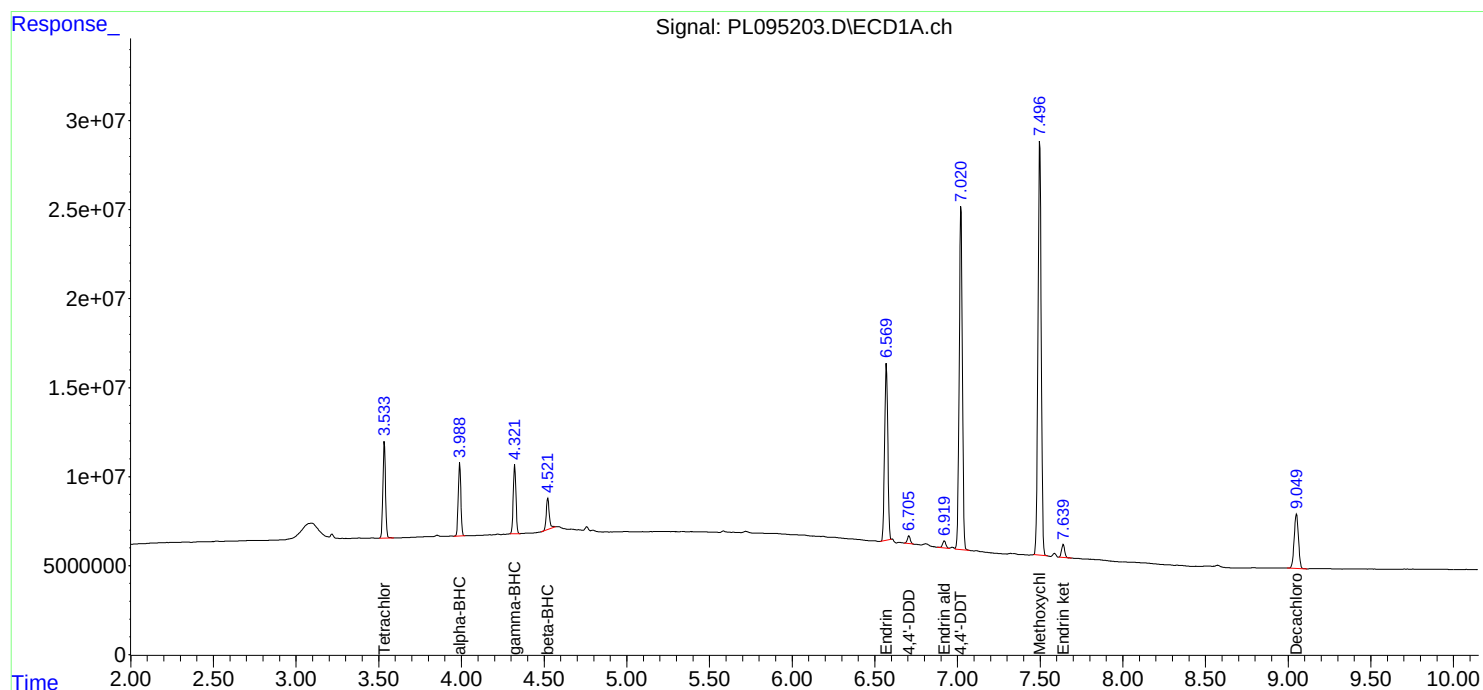
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/15/2025
Supervised By : mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 14 17:50:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 17:48:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1746 SAS No.: Q1746 SDG NO.: Q1746

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/14/2025 04/14/2025

Client Sample No. (PEM): PEM - PL095225.D Date Analyzed: 04/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:51

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.053	8.950	9.150	23.300	20.000	16.5
Tetrachloro-m-xylene	3.536	3.490	3.590	23.590	20.000	18.0
alpha-BHC	3.992	3.940	4.040	12.460	10.000	24.6
beta-BHC	4.524	4.470	4.570	12.250	10.000	22.5
gamma-BHC (Lindane)	4.325	4.270	4.380	12.570	10.000	25.7
Endrin	6.570	6.500	6.640	58.070	50.000	16.1
4,4'-DDT	7.022	6.950	7.090	113.210	100.000	13.2
Methoxychlor	7.499	7.430	7.570	255.200	250.000	2.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/14/2025 04/14/2025

Client Sample No. (PEM): PEM - PL095225.D Date Analyzed: 04/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:51

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.900	7.800	8.000	22.650	20.000	13.3
Tetrachloro-m-xylene	2.768	2.720	2.820	21.230	20.000	6.2
alpha-BHC	3.270	3.220	3.320	10.280	10.000	2.8
beta-BHC	3.900	3.850	3.950	10.920	10.000	9.2
gamma-BHC (Lindane)	3.600	3.550	3.650	9.700	10.000	-3.0
Endrin	5.628	5.560	5.700	53.160	50.000	6.3
4,4'-DDT	6.025	5.950	6.100	117.880	100.000	17.9
Methoxychlor	6.599	6.530	6.670	266.840	250.000	6.7

Data File: PEM
 PL095225.D Date Acquired 4/15/2025 10:51
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	151335755.3	160736593.7	9400838.35	Down 5.85
Endrin aldehyde	6.92	3343417.388			
Endrin ketone	7.64	6057420.966			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	222064436.9	241028772.6	18964335.7	7.87
Endrin aldehyde #2	6.10	8297891.265			
Endrin ketone #2	6.83	10666444.47			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	288175847.8	289521749.8	1345902.05	0.46
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	1345902.048			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	491081806.3	492900951.3	1819145.03	0.37
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	1819145.035			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
 Data File : PL095225.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Apr 2025 10:51
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/16/2025
 Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 15 12:00:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 19:12:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.768	64719693	79013599	23.592	21.233
28)	SA Decachlor...	9.053	7.900	56106985	99626275	23.303	22.647
Target Compounds							
2)	A alpha-BHC	3.992	3.270	50062014	56952098	12.456	10.285
3)	MA gamma-BHC...	4.325	3.600	48346776	51030240	12.572	9.696
6)	B beta-BHC	4.524	3.900	21486388	25301290	12.255	10.919
14)	MA Endrin	6.570	5.628	151.3E6	222.1E6	58.069m	53.158
16)	A 4,4'-DDD	6.710	5.776	1345902	1819145	0.530m	0.468m
17)	MA 4,4'-DDT	7.022	6.025	288.2E6	491.1E6	113.208	117.880
18)	B Endrin al...	6.920	6.102	3343417	8297891	1.519m	2.462 #
20)	A Methoxychlor	7.499	6.599	341.8E6	599.2E6	255.198	266.840m
21)	B Endrin ke...	7.642	6.828	6057421	10666444	2.098	2.115m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
Data File : PL095225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Apr 2025 10:51
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

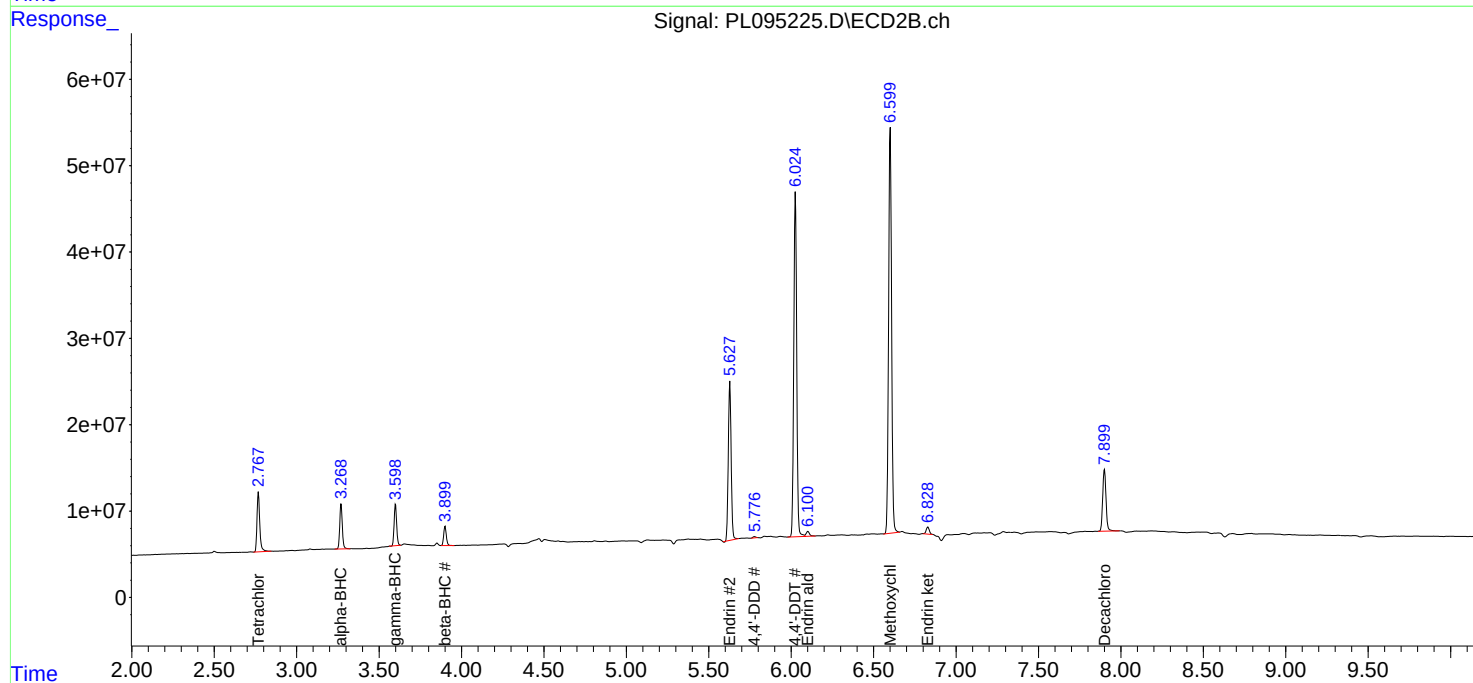
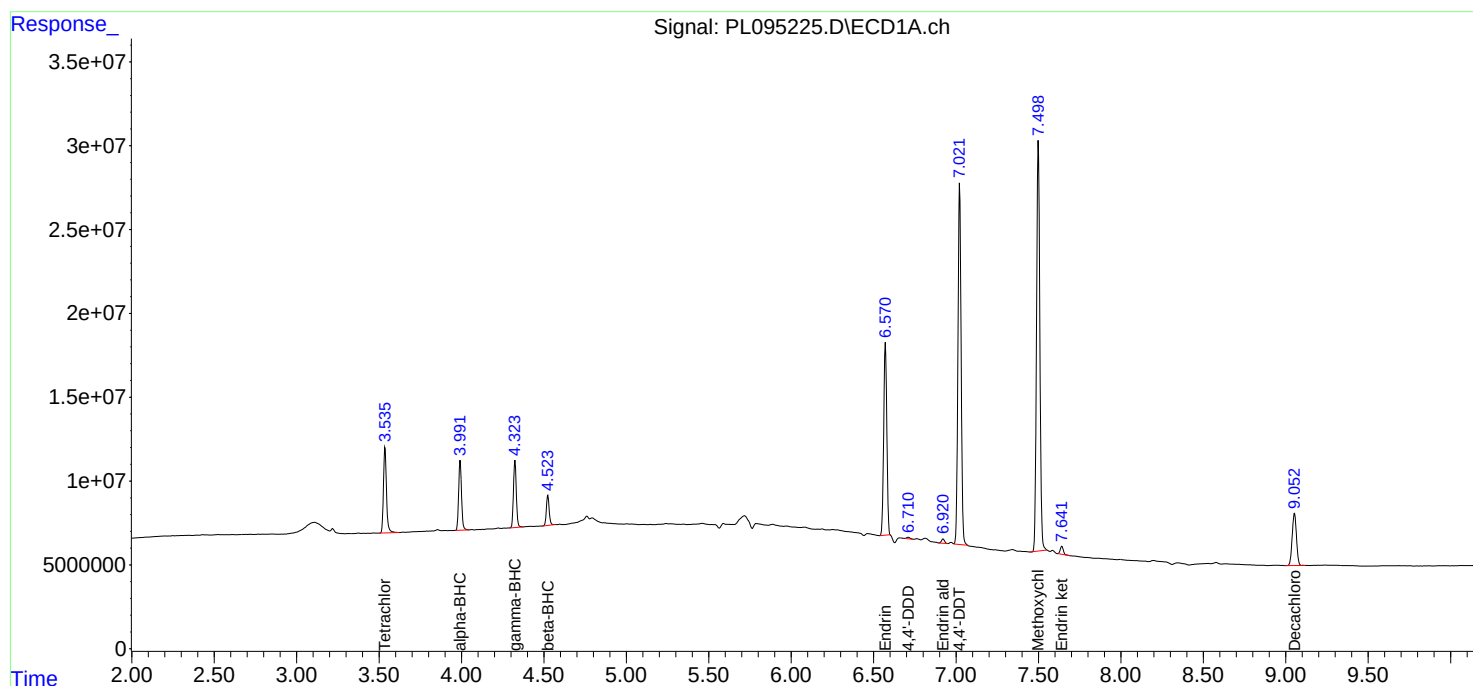
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/16/2025
Supervised By : mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 15 12:00:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 19:12:49 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\PL031125\
Data File : PL094568.D
Acq On : 11 Mar 2025 10:22
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\PL031125.M
Title : GC Extractables
Last Update : Tue Mar 11 17:42:21 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.537	5.937	100.00%
5.937	6.067	100.00%
6.067	6.191	100.00%
6.191	6.343	100.00%
6.343	7.158	100.00%
7.158	7.500	100.00%
7.500	7.643	100.00%
7.643	9.053	100.00%

Signal #2

2.771	4.972	100.00%
4.972	5.092	100.00%
5.092	5.225	100.00%
5.225	5.356	100.00%
5.356	6.330	100.00%
6.330	6.606	100.00%
6.606	6.835	100.00%
6.835	7.905	100.00%

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:22
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/12/2025
 Supervised By : Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:37:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 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...	3.537	2.771	53468086	65423025	18.889	18.330
28)	SA Decachlor...	9.053	7.905	42521417	78359154	20.177	19.399
Target Compounds							
9)	A Endosulfan I	6.067	5.092	29402034	37055598	9.577	8.443
10)	B gamma-Chl...	5.937	4.971	33232558	42863759	9.863	8.877m
12)	B 4,4'-DDE	6.191	5.225	60170599	86039267	20.452	18.509
13)	MA Dieldrin	6.343	5.356	61616040	87035875	19.266	17.939
19)	B Endosulfa...	7.158	6.330	48427242	76018164	19.912	18.662
20)	A Methoxychlor	7.500	6.606	108.5E6	193.4E6	90.602	91.159
21)	B Endrin ke...	7.643	6.835	53103007	96817803	20.090	20.286

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:22
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

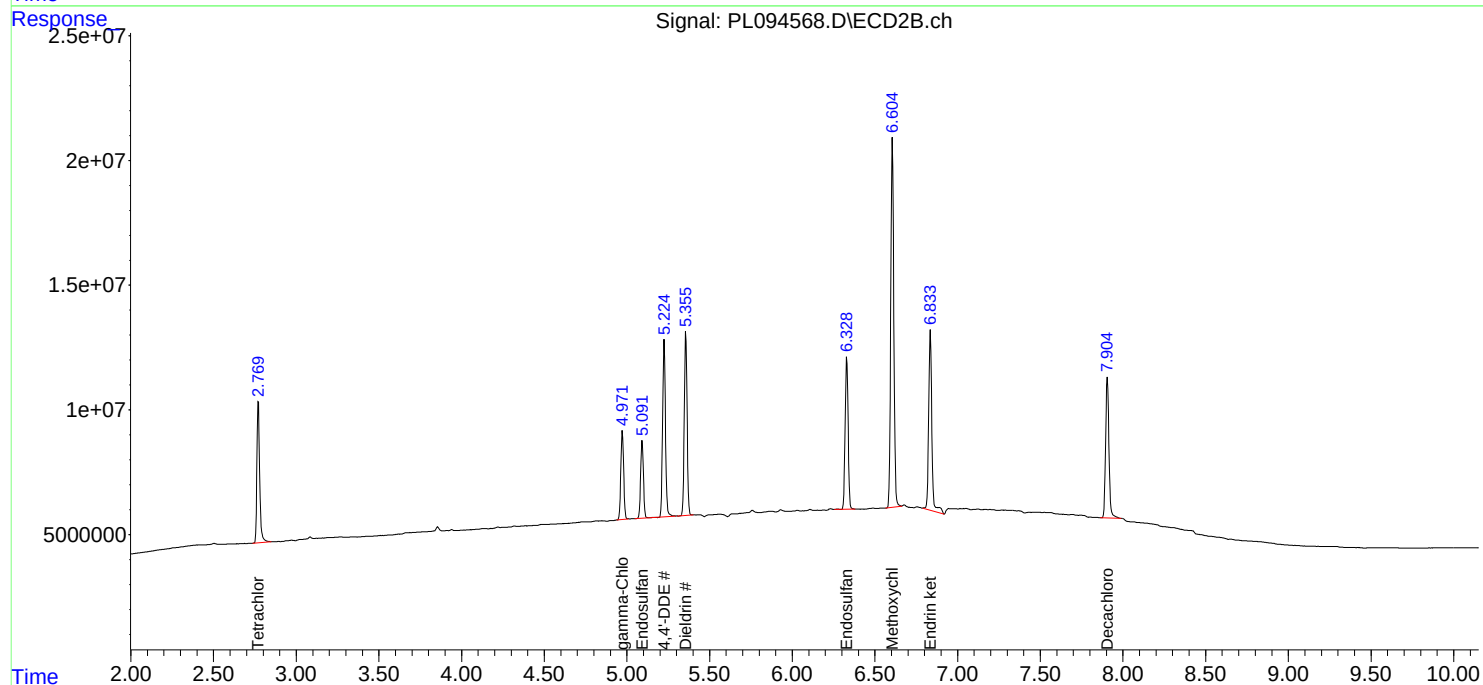
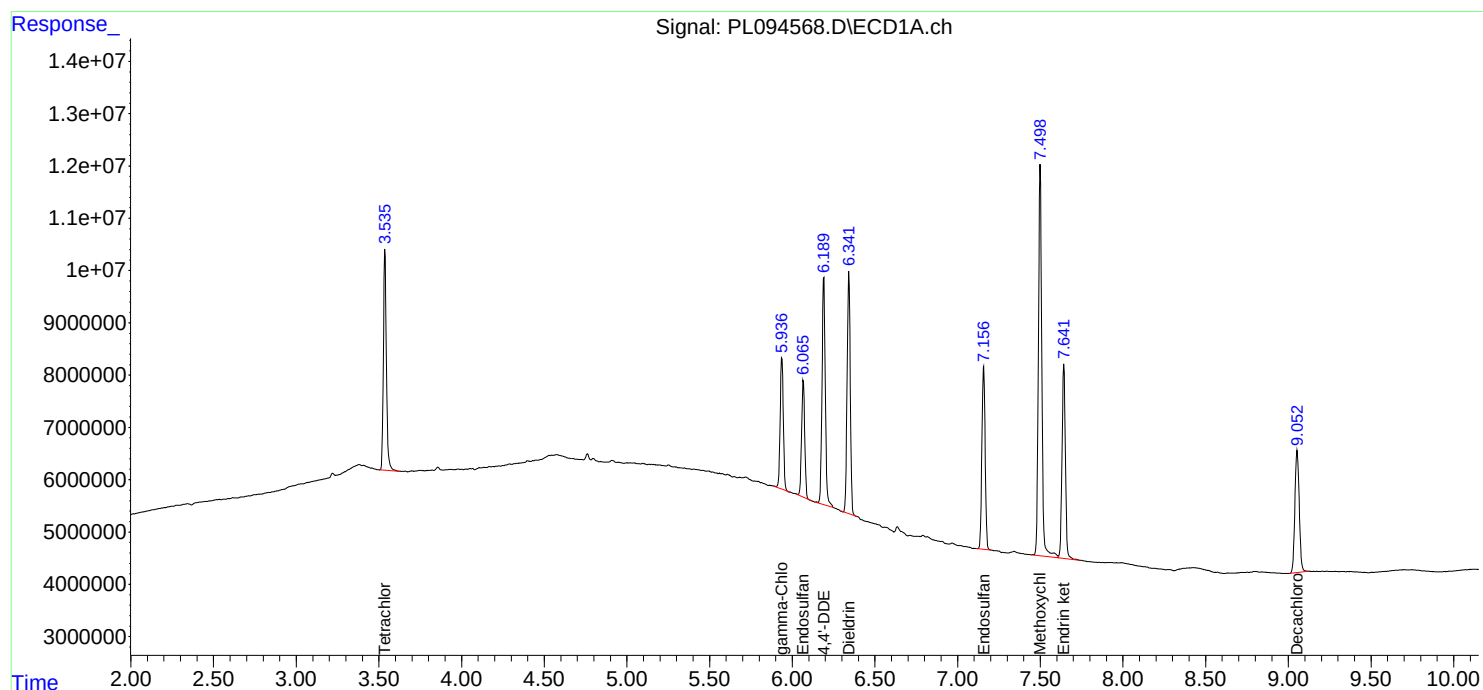
Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/12/2025
Supervised By : Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:37:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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\PL041425\
Data File : PL095204.D
Acq On : 14 Apr 2025 14:54
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\PL041425.M
Title : GC Extractables
Last Update : Mon Apr 14 17:48:47 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.534	5.935	100.00%
5.935	6.064	100.00%
6.064	6.188	100.00%
6.188	6.340	100.00%
6.340	7.155	100.00%
7.155	7.498	100.00%
7.498	7.640	100.00%
7.640	9.051	100.00%

Signal #2

2.767	4.966	100.00%
4.966	5.086	100.00%
5.086	5.219	100.00%
5.219	5.350	100.00%
5.350	6.323	100.00%
6.323	6.599	100.00%
6.599	6.828	100.00%
6.828	7.898	100.00%

PL041425.M Mon Apr 14 18:04:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
 Data File : PL095204.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Apr 2025 14:54
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 14 17:50:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 17:48:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.767	53333275	69846365	19.441	18.770
28) SA Decachlor...	9.051	7.898	46940938	82318367	19.496	18.713
Target Compounds						
9) A Endosulfan I	6.064	5.086	29095682	36899467	9.390	8.500
10) B gamma-Chl...	5.935	4.966	34016323	42989623	10.183	8.925
12) B 4,4'-DDE	6.188	5.219	63918962	90012412	19.548	18.695
13) MA Dieldrin	6.340	5.350	63174279	87432357	19.172	18.215
19) B Endosulfa...	7.155	6.323	50654072	77236274	19.713	18.493
20) A Methoxychlor	7.498	6.599	116.4E6	203.3E6	86.920	90.518
21) B Endrin ke...	7.640	6.828	54337070	90325290	18.823	17.914

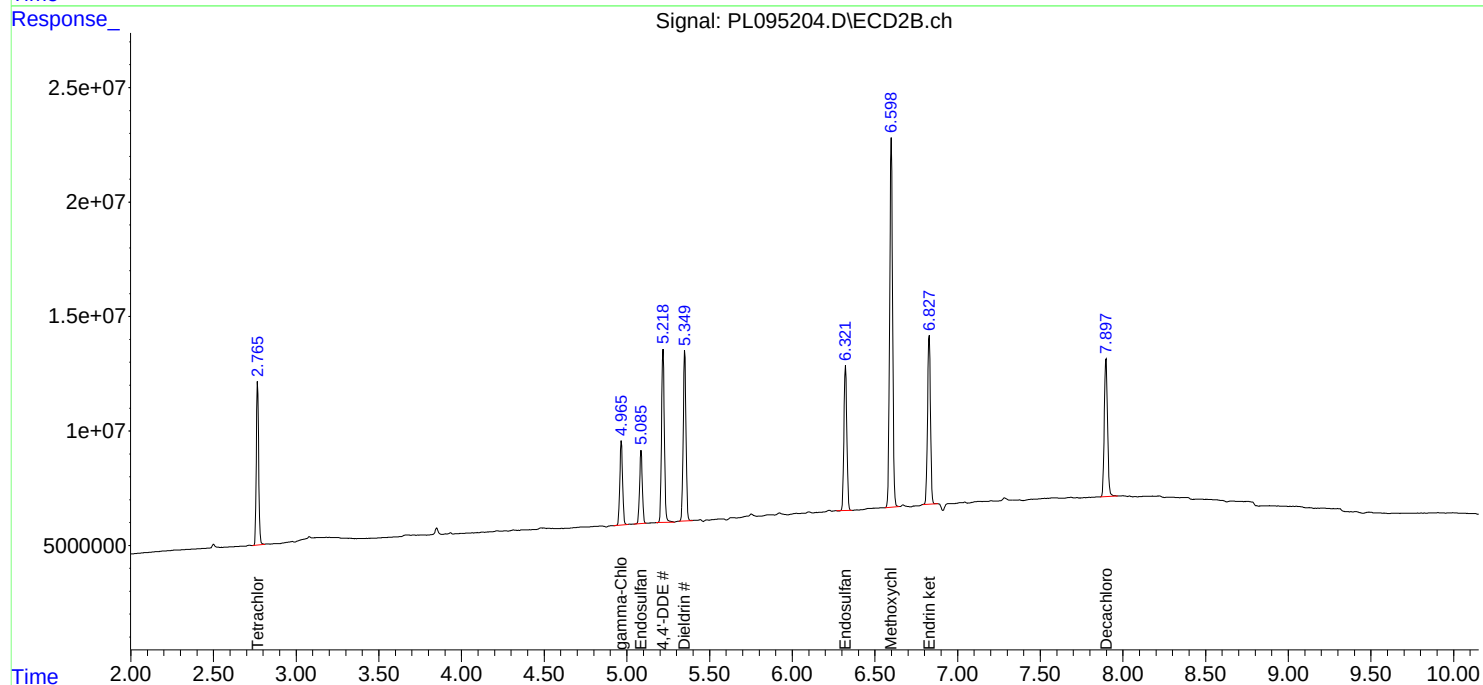
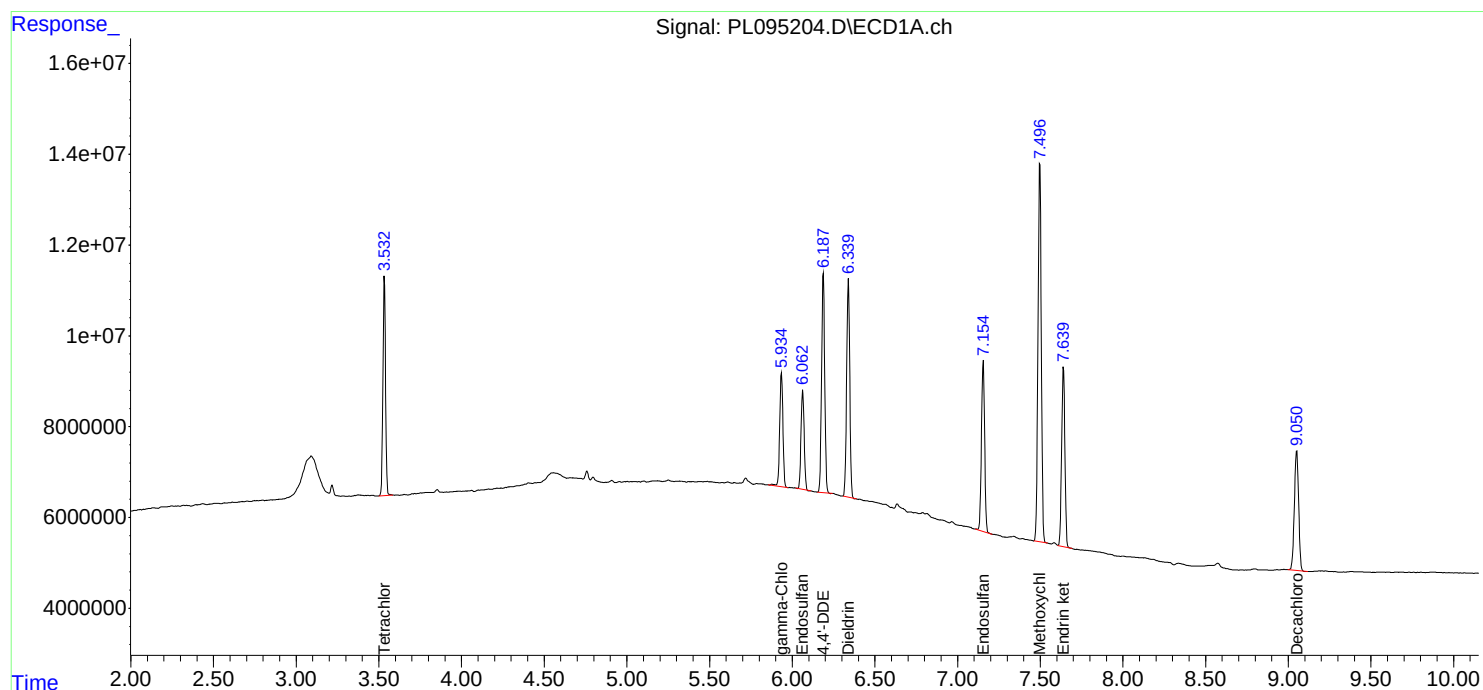
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 14:54
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 14 17:50:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 17:48:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1746
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 03/11/2025 03/11/2025

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	03/11/2025	09:55	PL094566.D	9.05	3.54
PEM	PEM	03/11/2025	10:08	PL094567.D	9.05	3.54
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	9.05	3.54
PSTDICC100	PSTDICC100	03/11/2025	10:35	PL094569.D	9.05	3.54
PSTDICC075	PSTDICC075	03/11/2025	10:49	PL094570.D	9.06	3.54
PSTDICC050	PSTDICC050	03/11/2025	11:02	PL094571.D	9.06	3.54
PSTDICC025	PSTDICC025	03/11/2025	11:16	PL094572.D	9.06	3.54
PSTDICC005	PSTDICC005	03/11/2025	11:29	PL094573.D	9.05	3.54
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	9.06	3.54
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	9.05	3.54
PEM	PEM	04/09/2025	08:43	PL095128.D	9.05	3.54
IBLK	IBLK	04/09/2025	16:36	PL095137.D	9.05	3.53
PSTDCCC050	PSTDCCC050	04/09/2025	16:49	PL095138.D	9.05	3.53
WC-LIQUID-20250404MS	Q1739-02MS	04/09/2025	18:58	PL095145.D	9.05	3.53
WC-LIQUID-20250404MSD	Q1739-02MSD	04/09/2025	19:12	PL095146.D	9.05	3.53
IBLK	IBLK	04/09/2025	19:26	PL095147.D	9.05	3.53
PEM	PEM	04/09/2025	19:39	PL095148.D	9.05	3.53
PSTDCCC050	PSTDCCC050	04/09/2025	20:20	PL095149.D	9.05	3.53
PB167535BL	PB167535BL	04/09/2025	21:29	PL095154.D	9.05	3.53
PB167517TB	PB167517TB	04/09/2025	22:10	PL095157.D	9.05	3.53
B-149-SB01	Q1746-02	04/09/2025	22:51	PL095160.D	9.05	3.53
B-149-SB02	Q1746-04	04/09/2025	23:05	PL095161.D	9.05	3.53
IBLK	IBLK	04/09/2025	23:19	PL095162.D	9.05	3.53
PSTDCCC050	PSTDCCC050	04/09/2025	23:33	PL095163.D	9.05	3.53
IBLK	IBLK	04/14/2025	14:26	PL095202.D	9.05	3.53
PEM	PEM	04/14/2025	14:40	PL095203.D	9.05	3.53
RESCHK	RESCHK	04/14/2025	14:54	PL095204.D	9.05	3.53
PSTDICC100	PSTDICC100	04/14/2025	15:07	PL095205.D	9.05	3.54
PSTDICC075	PSTDICC075	04/14/2025	15:21	PL095206.D	9.05	3.54
PSTDICC050	PSTDICC050	04/14/2025	15:35	PL095207.D	9.05	3.54
PSTDICC025	PSTDICC025	04/14/2025	16:02	PL095208.D	9.05	3.53
PSTDICC005	PSTDICC005	04/14/2025	16:15	PL095209.D	9.05	3.54
PCHLORICC500	PCHLORICC500	04/14/2025	16:56	PL095212.D	9.05	3.54
PTOXICC500	PTOXICC500	04/14/2025	18:05	PL095217.D	9.05	3.54
IBLK	IBLK	04/15/2025	10:37	PL095224.D	9.05	3.54
PEM	PEM	04/15/2025	10:51	PL095225.D	9.05	3.54
PSTDCCC050	PSTDCCC050	04/15/2025	11:21	PL095226.D	9.06	3.54
PB167535BS	PB167535BS	04/15/2025	13:05	PL095232.D	9.07	3.54
IBLK	IBLK	04/15/2025	13:57	PL095235.D	9.06	3.54
PSTDCCC050	PSTDCCC050	04/15/2025	15:08	PL095236.D	9.06	3.54

Analytical Sequence

Client: Portal Partners Tri-Venture

SDG No.: Q1746

Project: Amtrak Sawtooth Bridges 2025

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 03/11/2025

03/11/2025

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	03/11/2025	09:55	PL094566.D	7.91	2.77
PEM	PEM	03/11/2025	10:08	PL094567.D	7.91	2.77
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	7.91	2.77
PSTDICC100	PSTDICC100	03/11/2025	10:35	PL094569.D	7.91	2.77
PSTDICC075	PSTDICC075	03/11/2025	10:49	PL094570.D	7.91	2.77
PSTDICC050	PSTDICC050	03/11/2025	11:02	PL094571.D	7.91	2.77
PSTDICC025	PSTDICC025	03/11/2025	11:16	PL094572.D	7.91	2.77
PSTDICC005	PSTDICC005	03/11/2025	11:29	PL094573.D	7.91	2.77
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	7.91	2.77
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	7.91	2.77
PEM	PEM	04/09/2025	08:43	PL095128.D	7.90	2.77
IBLK	IBLK	04/09/2025	16:36	PL095137.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/09/2025	16:49	PL095138.D	7.90	2.77
WC-LIQUID-20250404MS	Q1739-02MS	04/09/2025	18:58	PL095145.D	7.90	2.77
WC-LIQUID-20250404MSD	Q1739-02MSD	04/09/2025	19:12	PL095146.D	7.90	2.77
IBLK	IBLK	04/09/2025	19:26	PL095147.D	7.90	2.77
PEM	PEM	04/09/2025	19:39	PL095148.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/09/2025	20:20	PL095149.D	7.90	2.77
PB167535BL	PB167535BL	04/09/2025	21:29	PL095154.D	7.90	2.77
PB167517TB	PB167517TB	04/09/2025	22:10	PL095157.D	7.90	2.77
B-149-SB01	Q1746-02	04/09/2025	22:51	PL095160.D	7.90	2.77
B-149-SB02	Q1746-04	04/09/2025	23:05	PL095161.D	7.92	2.79
IBLK	IBLK	04/09/2025	23:19	PL095162.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/09/2025	23:33	PL095163.D	7.90	2.77
IBLK	IBLK	04/14/2025	14:26	PL095202.D	7.90	2.77
PEM	PEM	04/14/2025	14:40	PL095203.D	7.90	2.77
RESCHK	RESCHK	04/14/2025	14:54	PL095204.D	7.90	2.77
PSTDICC100	PSTDICC100	04/14/2025	15:07	PL095205.D	7.90	2.77
PSTDICC075	PSTDICC075	04/14/2025	15:21	PL095206.D	7.90	2.77
PSTDICC050	PSTDICC050	04/14/2025	15:35	PL095207.D	7.90	2.77
PSTDICC025	PSTDICC025	04/14/2025	16:02	PL095208.D	7.90	2.77
PSTDICC005	PSTDICC005	04/14/2025	16:15	PL095209.D	7.90	2.77
PCHLORICC500	PCHLORICC500	04/14/2025	16:56	PL095212.D	7.90	2.77
PTOXICC500	PTOXICC500	04/14/2025	18:05	PL095217.D	7.90	2.77
IBLK	IBLK	04/15/2025	10:37	PL095224.D	7.90	2.77
PEM	PEM	04/15/2025	10:51	PL095225.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/15/2025	11:21	PL095226.D	7.90	2.77
PB167535BS	PB167535BS	04/15/2025	13:05	PL095232.D	7.91	2.77
IBLK	IBLK	04/15/2025	13:57	PL095235.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/15/2025	15:08	PL095236.D	7.91	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167535BS

Contract: PORT06

Lab Code: CHEM

Case No.: Q1746

SAS No.: Q1746

SDG NO.: Q1746

Lab Sample ID: PB167535BS

Date(s) Analyzed: 04/15/2025

04/15/2025

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	7.51	7.46	7.56	0.52	6.7
	2	6.60	6.55	6.65	0.48	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.46	0.9
	2	3.60	3.55	3.65	0.46	
Heptachlor	1	4.92	4.87	4.97	0.50	4.6
	2	3.94	3.89	3.99	0.48	
Heptachlor epoxide	1	5.69	5.64	5.74	0.49	0.6
	2	4.72	4.67	4.77	0.49	
Endrin	1	6.58	6.53	6.63	0.51	2.4
	2	5.63	5.58	5.68	0.52	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-LIQUID-20250404MS

Contract: PORT06

Lab Code: CHEM

Case No.: Q1746

SAS No.: Q1746

SDG NO.: Q1746

Lab Sample ID: Q1739-02MS

Date(s) Analyzed: 04/09/2025

04/09/2025

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	7.50	7.45	7.55	3.40	12.5
	2	6.60	6.55	6.65	3.00	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	2.90	6.7
	2	3.60	3.55	3.65	3.10	
Heptachlor	1	4.91	4.86	4.96	2.80	3.5
	2	3.94	3.89	3.99	2.90	
Heptachlor epoxide	1	5.68	5.63	5.73	3.00	3.4
	2	4.72	4.67	4.77	2.90	
Endrin	1	6.57	6.52	6.62	3.40	19.4
	2	5.63	5.58	5.68	2.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-LIQUID-20250404MSD

Contract: PORT06

Lab Code: CHEM Case No.: Q1746

SAS No.: Q1746 SDG NO.: Q1746

Lab Sample ID: Q1739-02MSD

Date(s) Analyzed: 04/09/2025 04/09/2025

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	7.50	7.45	7.55	3.40	6.1
	2	6.60	6.55	6.65	3.20	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	2.90	6.7
	2	3.60	3.55	3.65	3.10	
Heptachlor	1	4.91	4.86	4.96	2.80	3.6
	2	3.94	3.89	3.99	2.70	
Heptachlor epoxide	1	5.68	5.63	5.73	2.90	3.5
	2	4.72	4.67	4.77	2.80	
Endrin	1	6.57	6.52	6.62	3.30	20
	2	5.63	5.58	5.68	2.70	



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB167535BL		SDG No.:	Q1746	
Lab Sample ID:	PB167535BL		Matrix:	TCLP	
Analytical Method:	SW8081		% 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
PL095154.D	1	04/09/25 12:50	04/09/25 21:29	PB167535

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	20.9		30 (43) - 150 (140)	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		30 (77) - 150 (126)	101%	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\PL040925\
Data File : PL095154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 21:29
Operator : AR\AJ
Sample : PB167535BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167535BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:27:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	54637747	72230684	19.302	20.237
28) SA Decachlor...	9.047	7.897	43956546	78769476	20.858	19.500

Target Compounds

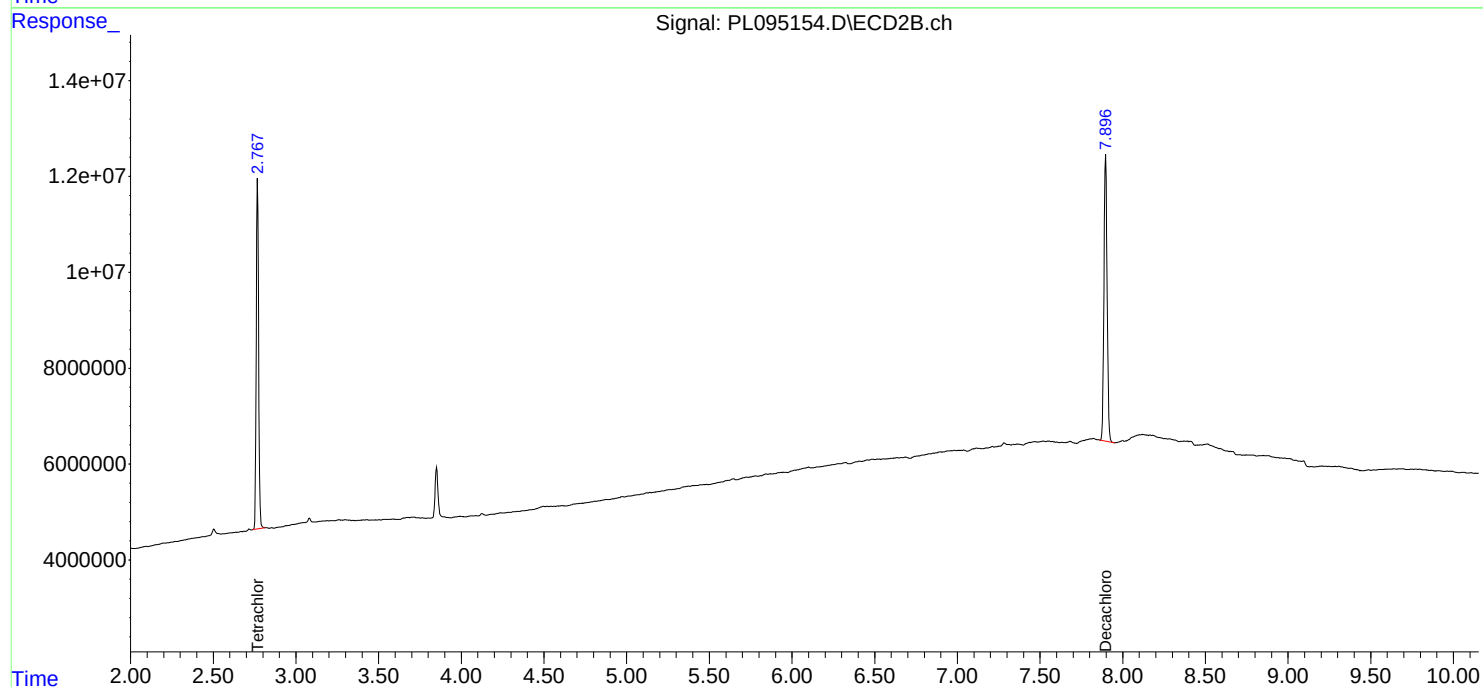
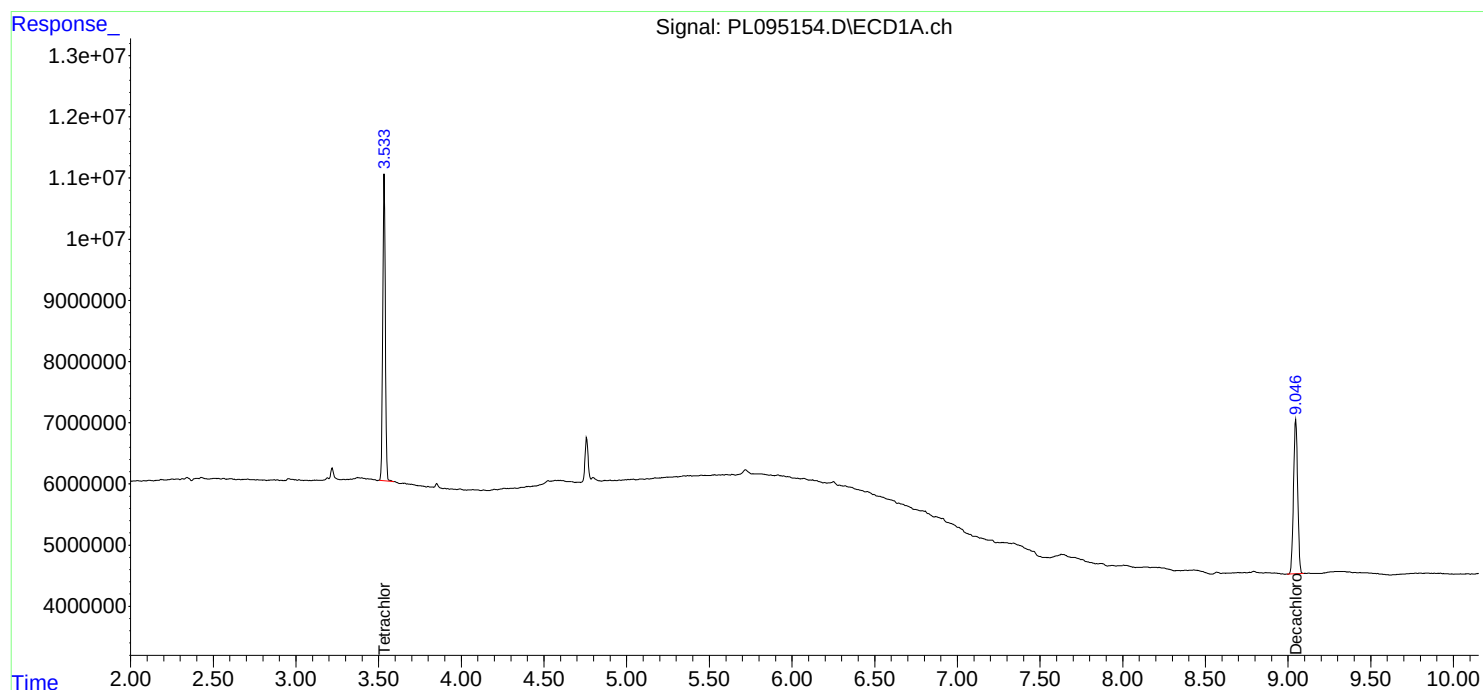
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

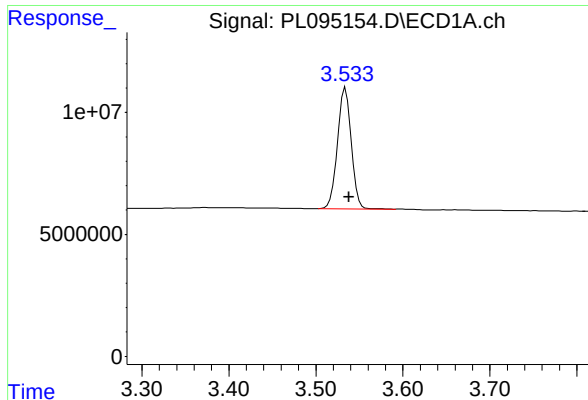
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 21:29
Operator : AR\AJ
Sample : PB167535BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167535BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:27:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

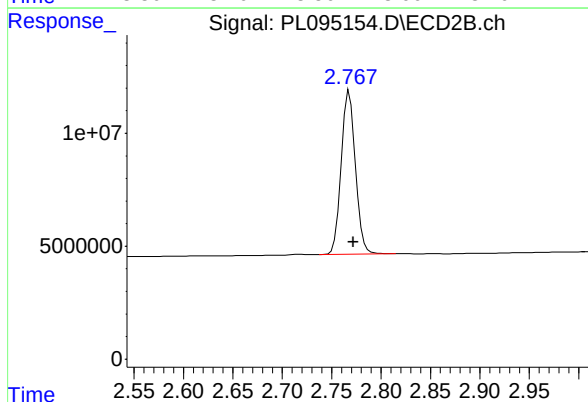




#1 Tetrachloro-m-xylene

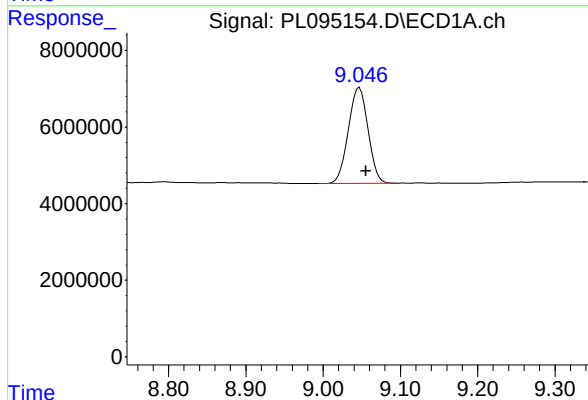
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 54637747
Conc: 19.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167535BL



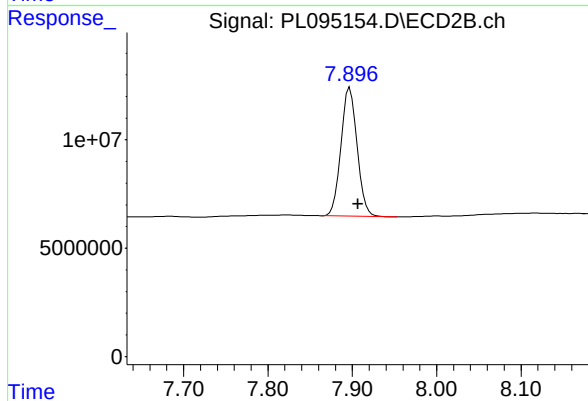
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 72230684
Conc: 20.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.047 min
Delta R.T.: -0.009 min
Response: 43956546
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.897 min
Delta R.T.: -0.010 min
Response: 78769476
Conc: 19.50 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/11/25
Client Sample ID:	PIBLK-PL094566.D	SDG No.:	Q1746
Lab Sample ID:	I.BLK-PL094566.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094566.D	1		03/11/25	PL031125

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	22.7		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	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\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
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: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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...	3.537	2.771	58403854	72167542	20.633	20.219
28) SA Decachlor...	9.053	7.905	47932225	84990699	22.744	21.041

Target Compounds

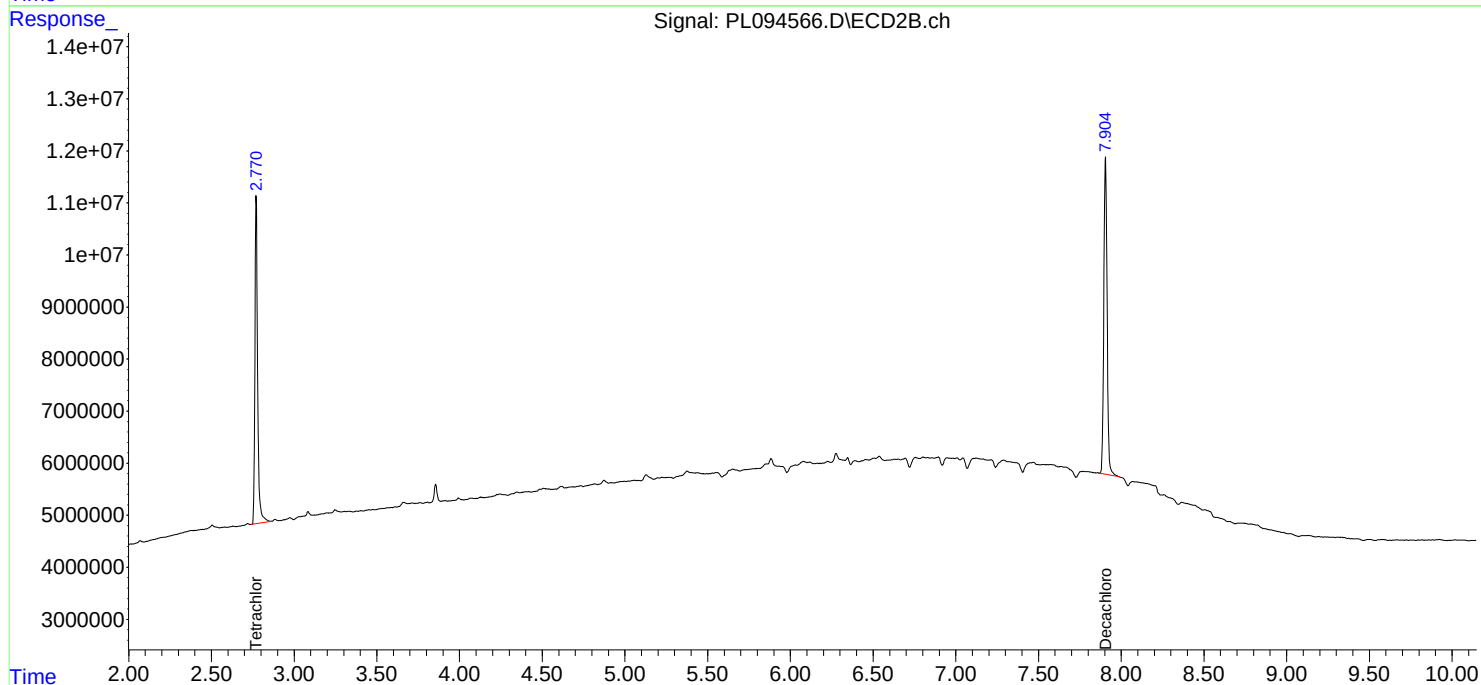
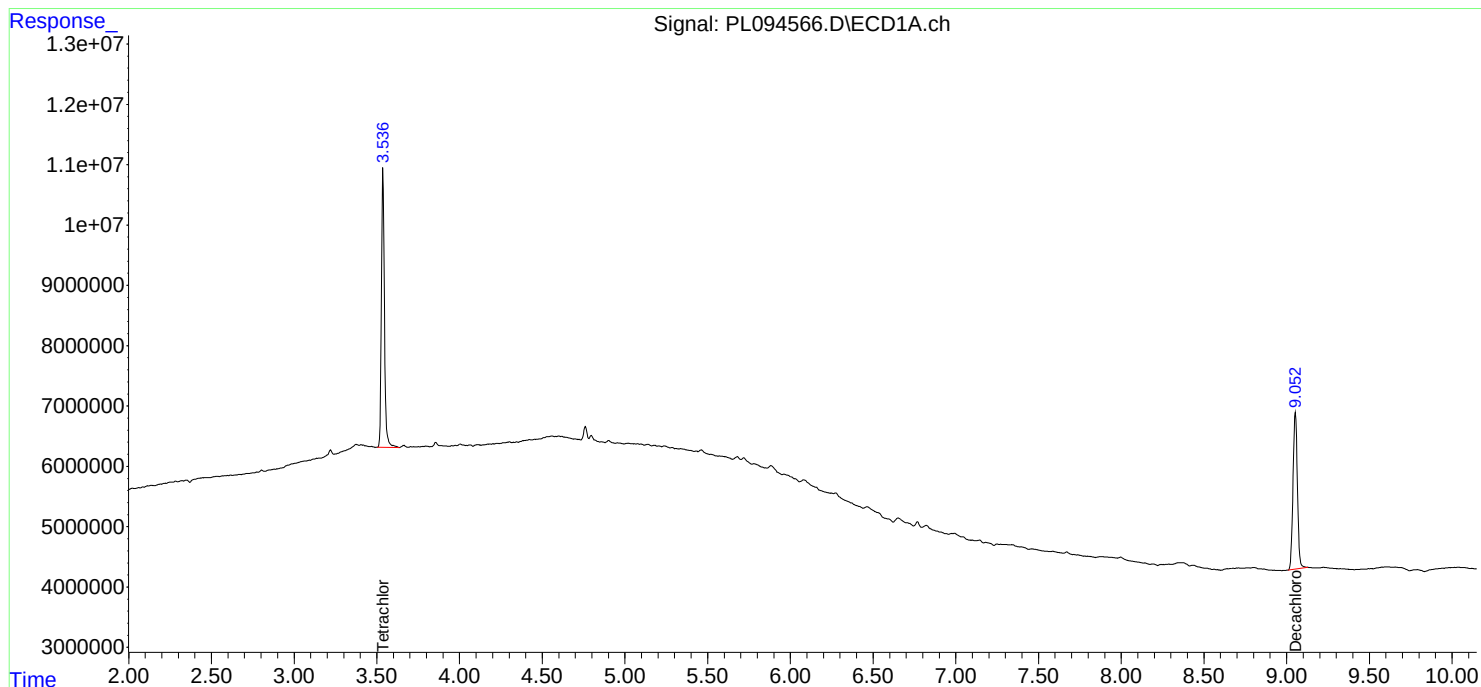
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

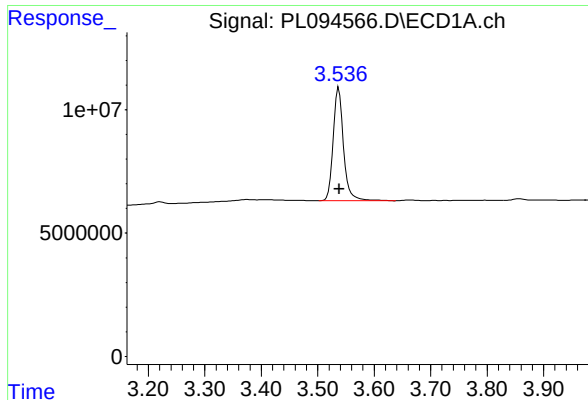
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

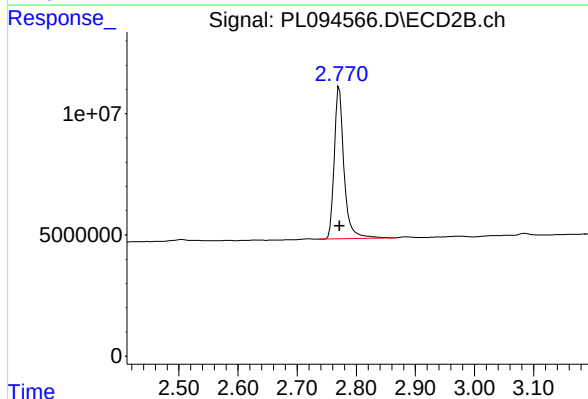




#1 Tetrachloro-m-xylene

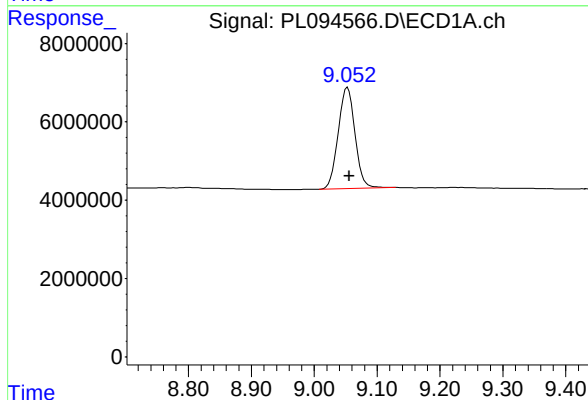
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 58403854
Conc: 20.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



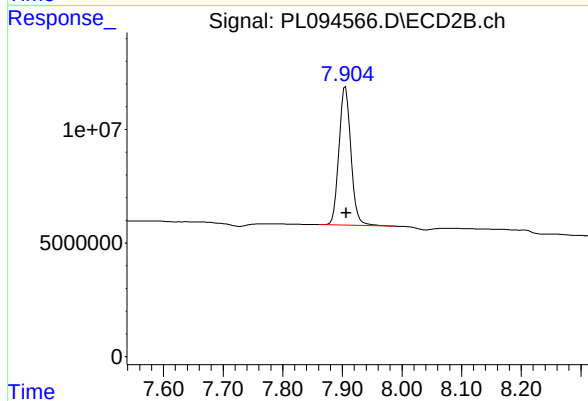
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 72167542
Conc: 20.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 47932225
Conc: 22.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.001 min
Response: 84990699
Conc: 21.04 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/09/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/09/25
Client Sample ID:	PIBLK-PL095137.D	SDG No.:	Q1746
Lab Sample ID:	I.BLK-PL095137.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095137.D	1		04/09/25	pl040925

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	20.9		30 (43) - 150 (140)	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		30 (77) - 150 (126)	102%	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\PL040925\
Data File : PL095137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 16:36
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: Apr 10 01:24:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	54177696	72945703	19.140	20.437
28) SA Decachlor...	9.047	7.898	44132122	67760179	20.941	16.775

Target Compounds

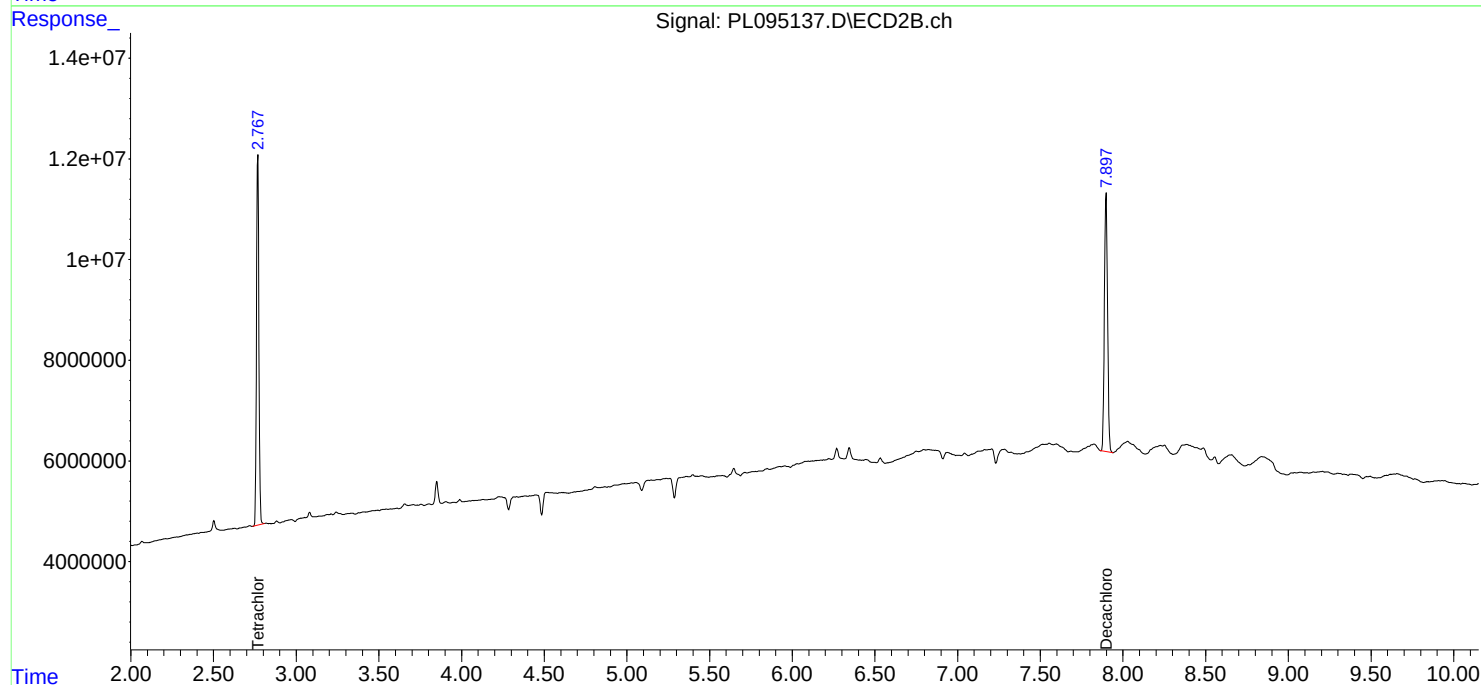
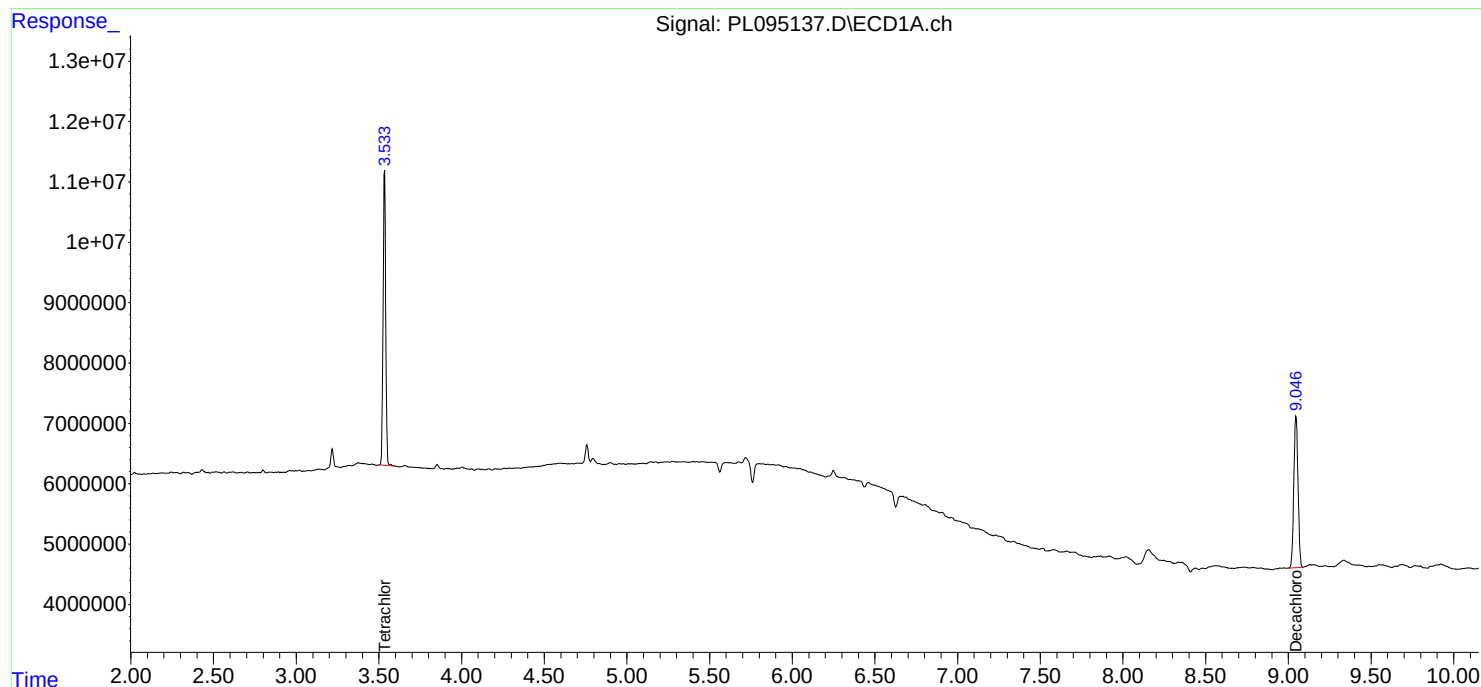
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

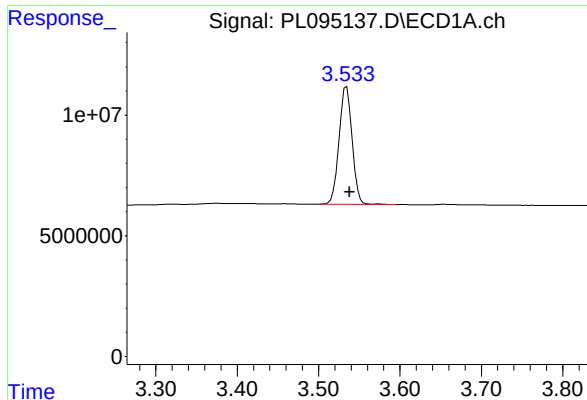
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 16:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:24:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

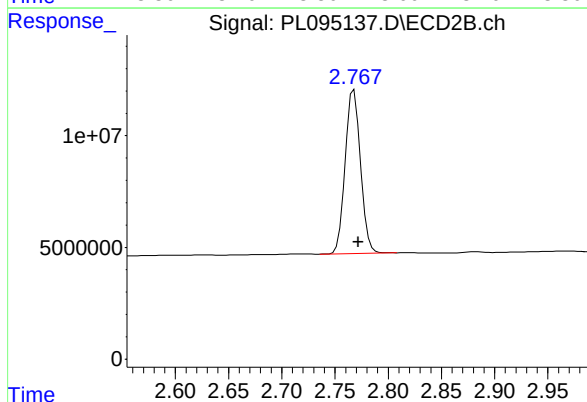




#1 Tetrachloro-m-xylene

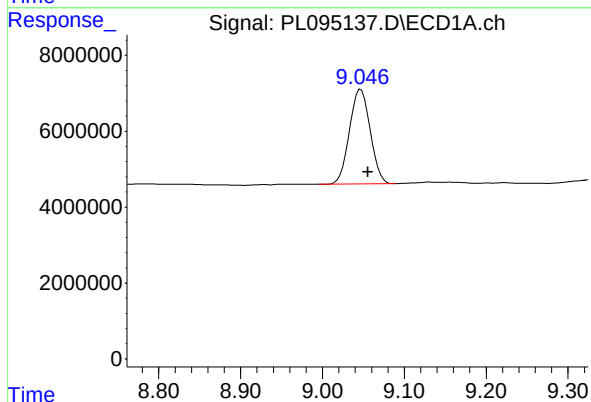
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 54177696
Conc: 19.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



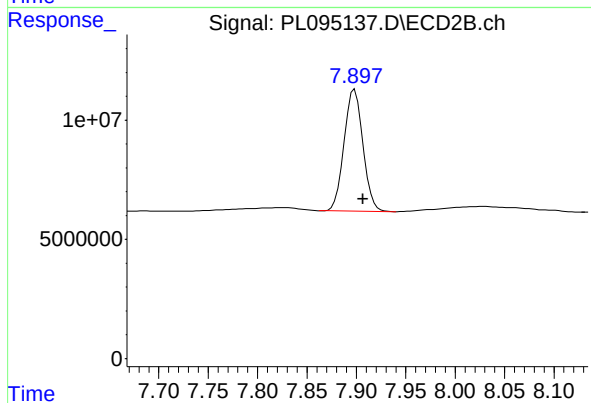
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 72945703
Conc: 20.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.047 min
Delta R.T.: -0.009 min
Response: 44132122
Conc: 20.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.898 min
Delta R.T.: -0.009 min
Response: 67760179
Conc: 16.77 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/09/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/09/25
Client Sample ID:	PIBLK-PL095147.D	SDG No.:	Q1746
Lab Sample ID:	I.BLK-PL095147.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095147.D	1		04/09/25	pl040925

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	18.8		30 (43) - 150 (140)	94%	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\PL040925\
Data File : PL095147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 19:26
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: Apr 10 01:25:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	51145470	68154819	18.068	19.095
28) SA Decachlor...	9.048	7.899	39613800	63714784	18.797	15.773

Target Compounds

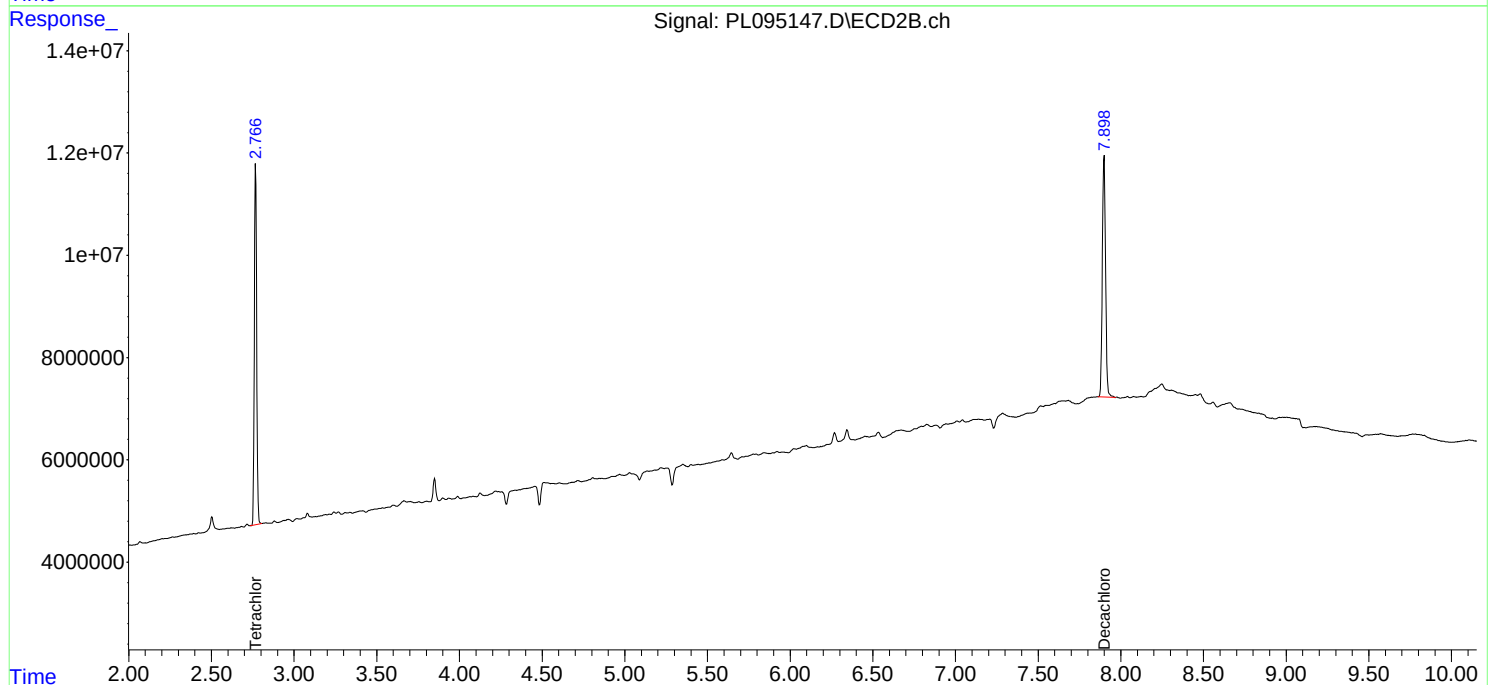
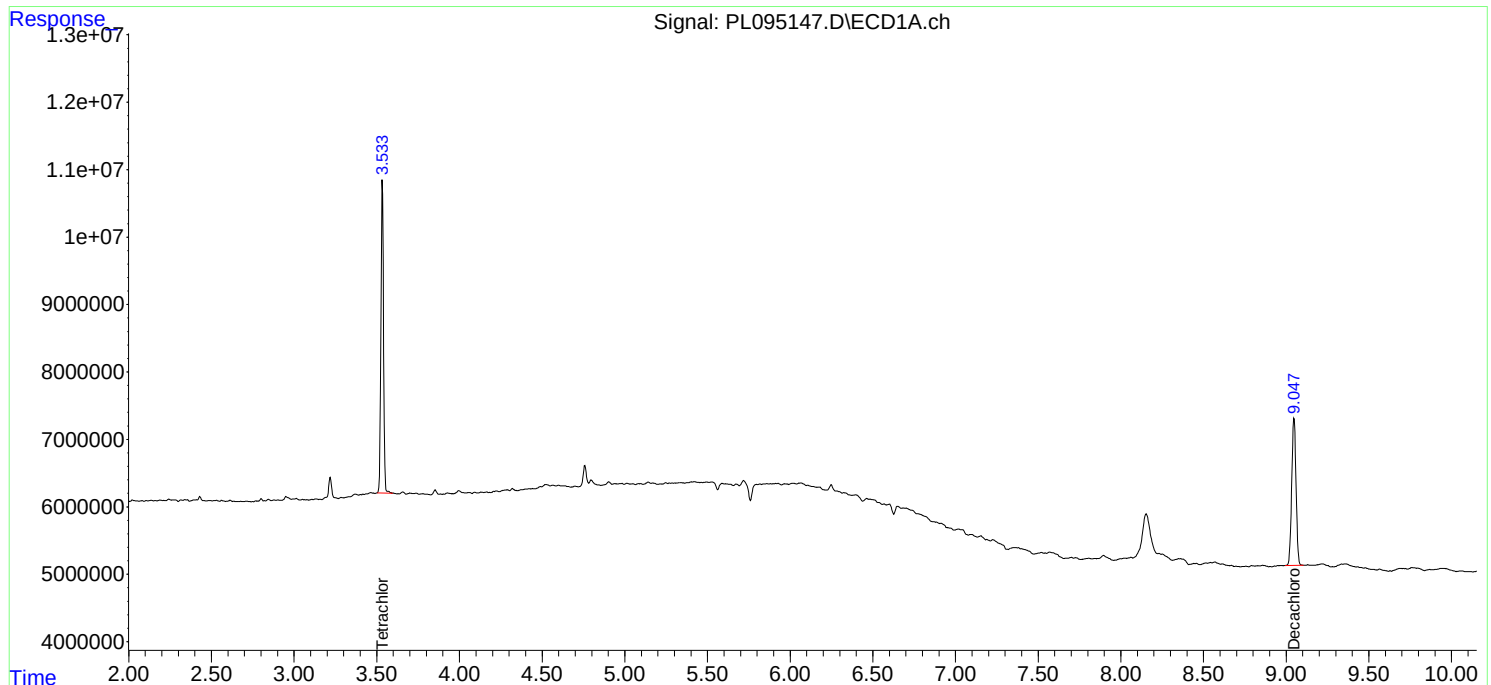
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

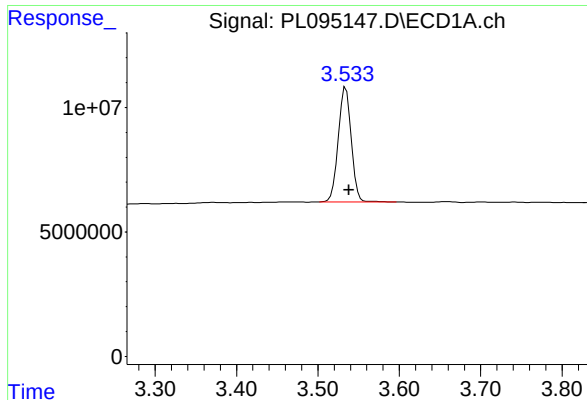
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 19:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:25:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

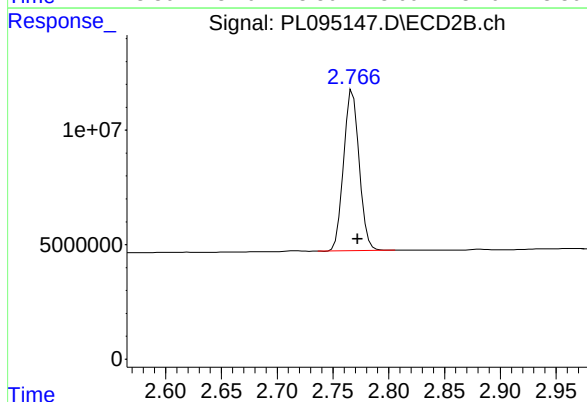




#1 Tetrachloro-m-xylene

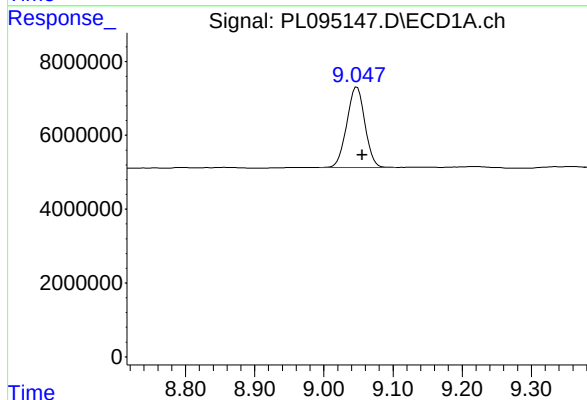
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 51145470
Conc: 18.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



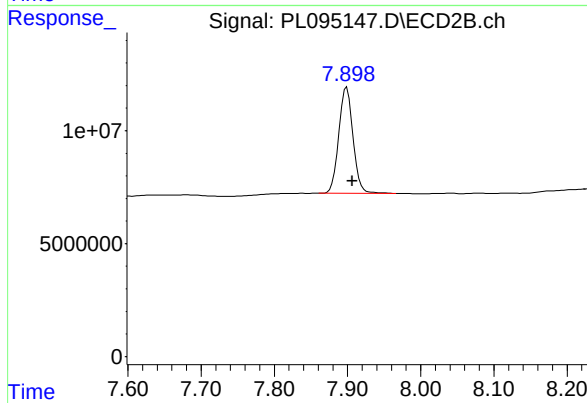
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 68154819
Conc: 19.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.008 min
Response: 39613800
Conc: 18.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.899 min
Delta R.T.: -0.008 min
Response: 63714784
Conc: 15.77 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/09/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/09/25
Client Sample ID:	PIBLK-PL095162.D	SDG No.:	Q1746
Lab Sample ID:	I.BLK-PL095162.D	Matrix:	TCLP
Analytical Method:	SW8081	% 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
PL095162.D	1		04/09/25	pl040925

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	22.4		30 (43) - 150 (140)	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		30 (77) - 150 (126)	100%	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\PL040925\
Data File : PL095162.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 23:19
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: Apr 10 01:27:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	54059172	71640922	19.098	20.072
28) SA Decachlor...	9.047	7.898	47236879	88788792	22.414	21.981

Target Compounds

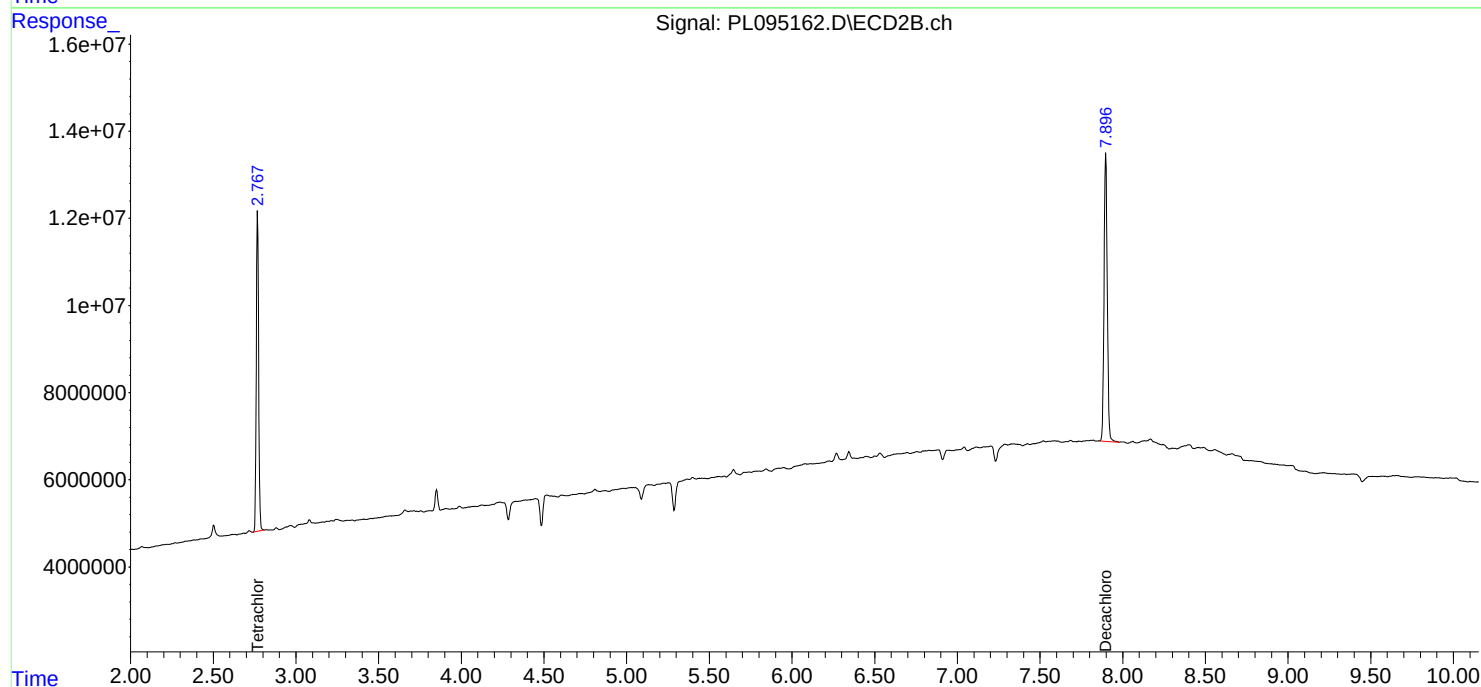
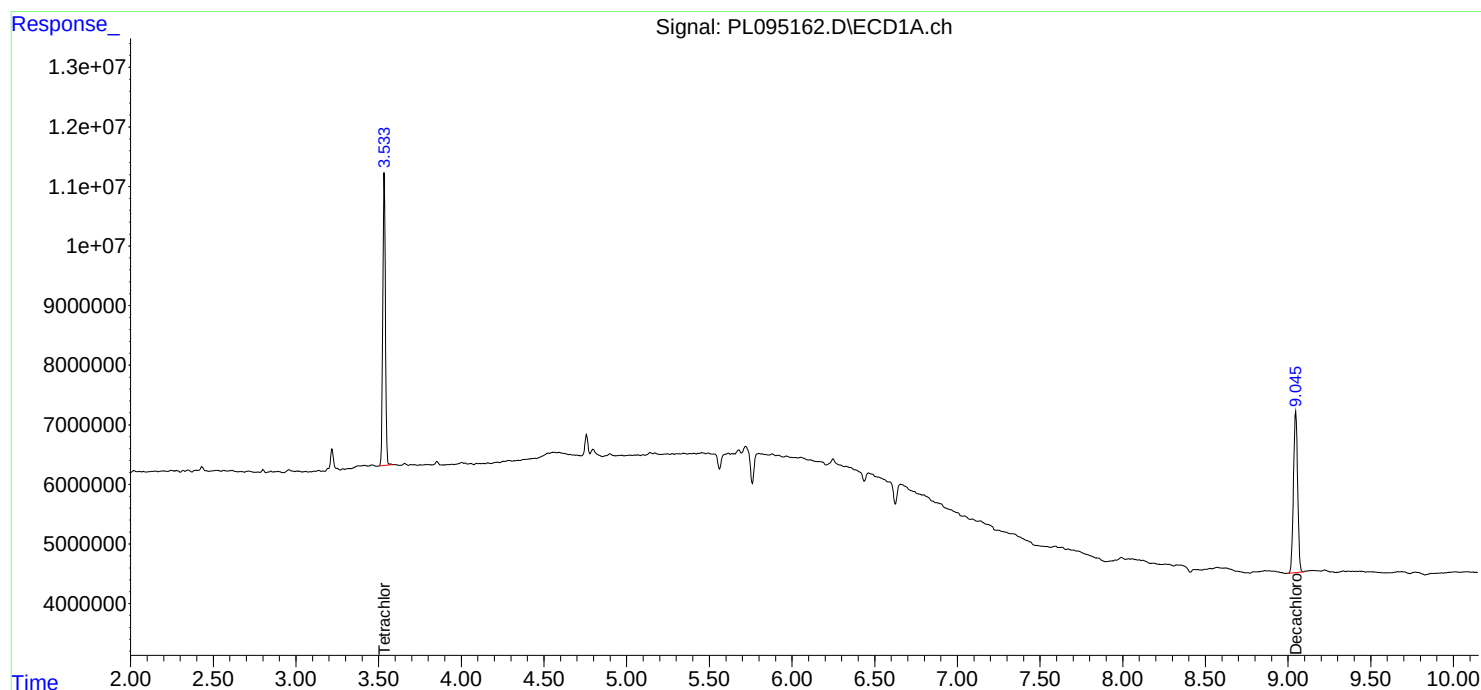
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

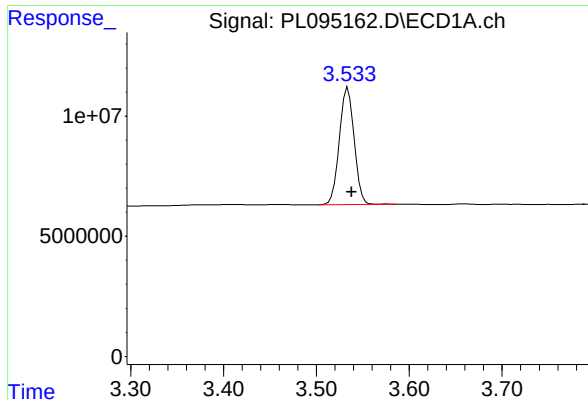
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095162.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 23:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:27:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

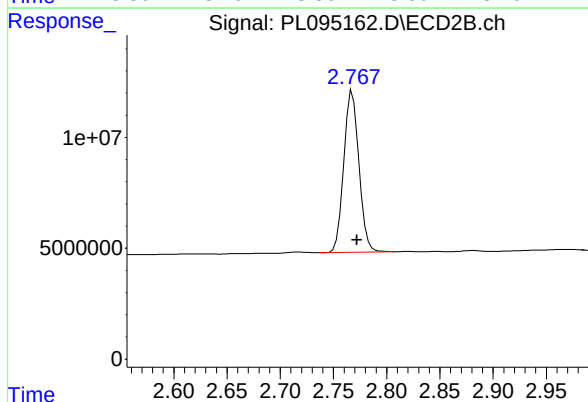




#1 Tetrachloro-m-xylene

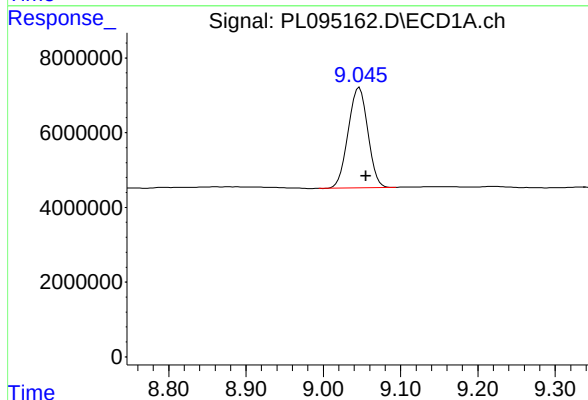
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 54059172
Conc: 19.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



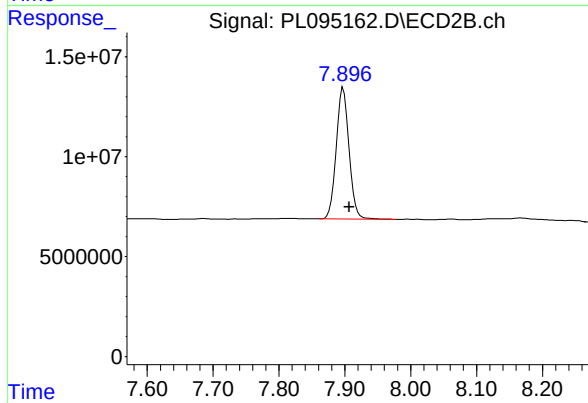
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 71640922
Conc: 20.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.047 min
Delta R.T.: -0.009 min
Response: 47236879
Conc: 22.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.898 min
Delta R.T.: -0.009 min
Response: 88788792
Conc: 21.98 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/14/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/14/25
Client Sample ID:	PIBLK-PL095202.D	SDG No.:	Q1746
Lab Sample ID:	I.BLK-PL095202.D	Matrix:	TCLP
Analytical Method:	SW8081	% 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
PL095202.D	1		04/14/25	PL041425

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	22.6		30 (43) - 150 (140)	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	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\PL041425\
Data File : PL095202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 14:26
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: Apr 14 17:50:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 17:48:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.767	56549483	74610748	20.614	20.050
28) SA Decachlor...	9.052	7.899	54458382	95519883	22.618	21.714

Target Compounds

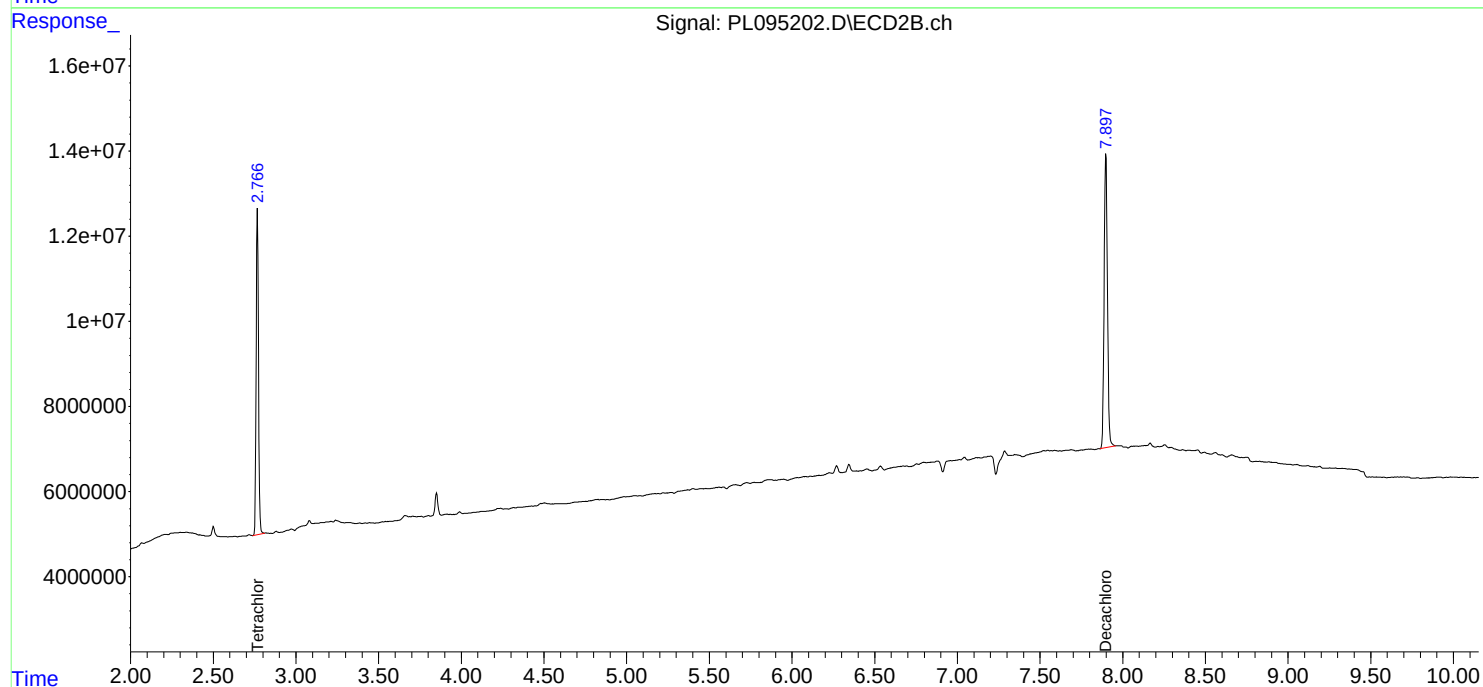
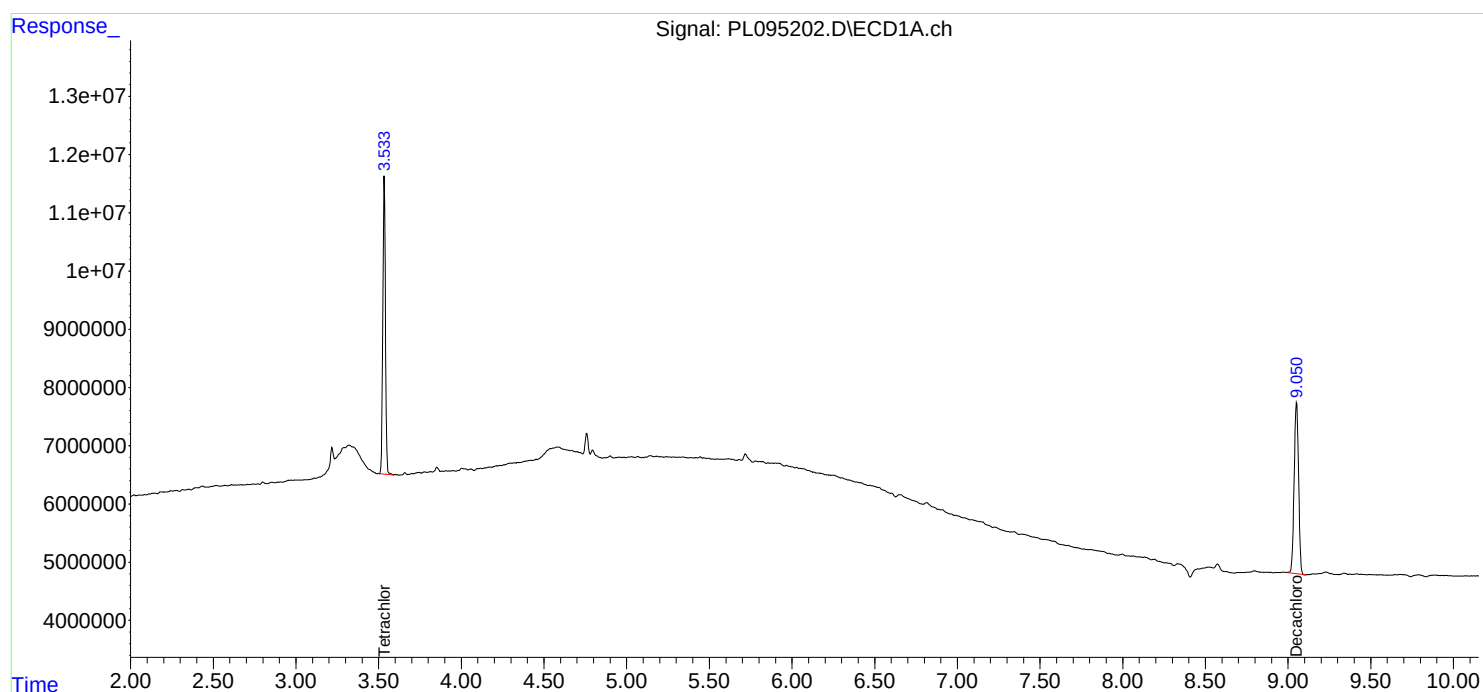
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

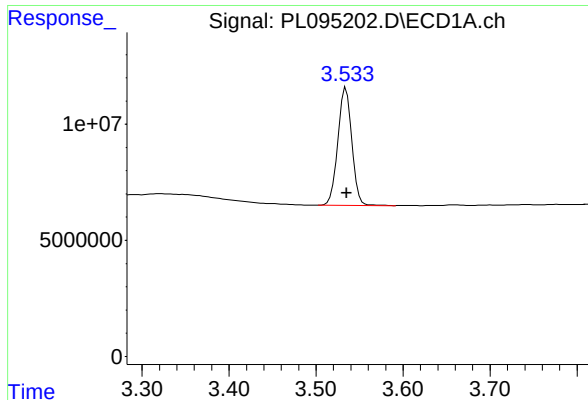
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041425\
Data File : PL095202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Apr 2025 14:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 14 17:50:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 17:48:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

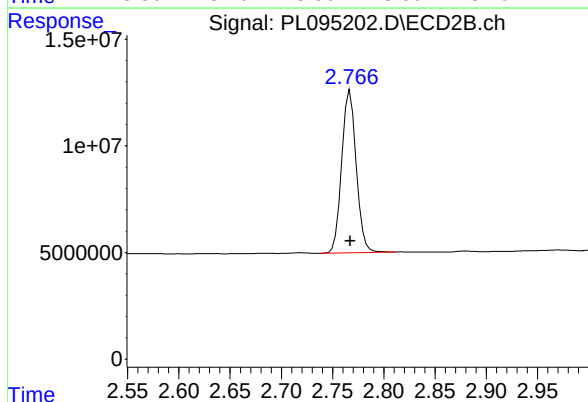




#1 Tetrachloro-m-xylene

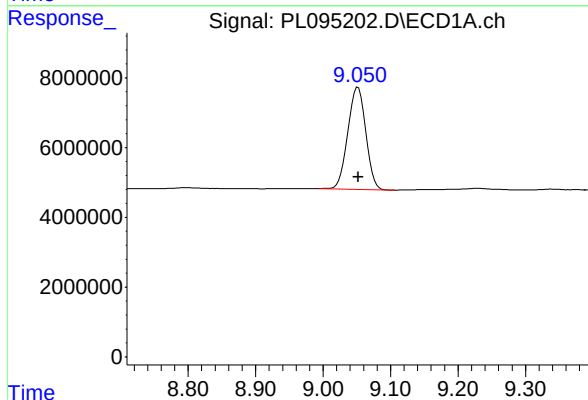
R.T.: 3.534 min
Delta R.T.: 0.000 min
Response: 56549483
Conc: 20.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



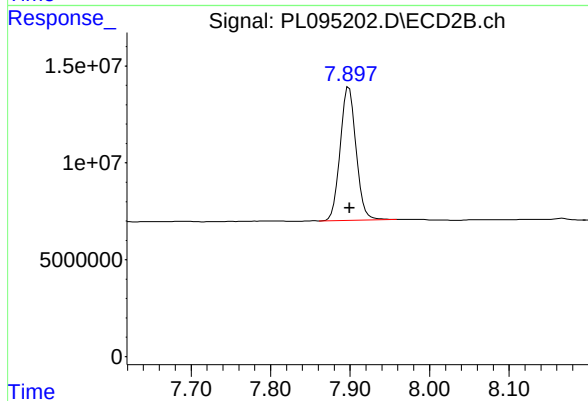
#1 Tetrachloro-m-xylene

R.T.: 2.767 min
Delta R.T.: 0.000 min
Response: 74610748
Conc: 20.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 54458382
Conc: 22.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.899 min
Delta R.T.: 0.000 min
Response: 95519883
Conc: 21.71 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/15/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/15/25
Client Sample ID:	PIBLK-PL095224.D	SDG No.:	Q1746
Lab Sample ID:	I.BLK-PL095224.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095224.D	1		04/15/25	PI041525

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	23.9		30 (43) - 150 (140)	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		30 (77) - 150 (126)	114%	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\PL041525\
 Data File : PL095224.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Apr 2025 10:37
 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: Apr 15 12:00:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 19:12:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.768	62350882	75054868	22.729	20.169
28)	SA Decachlor...	9.054	7.900	57626585	97896275	23.934	22.254

Target Compounds

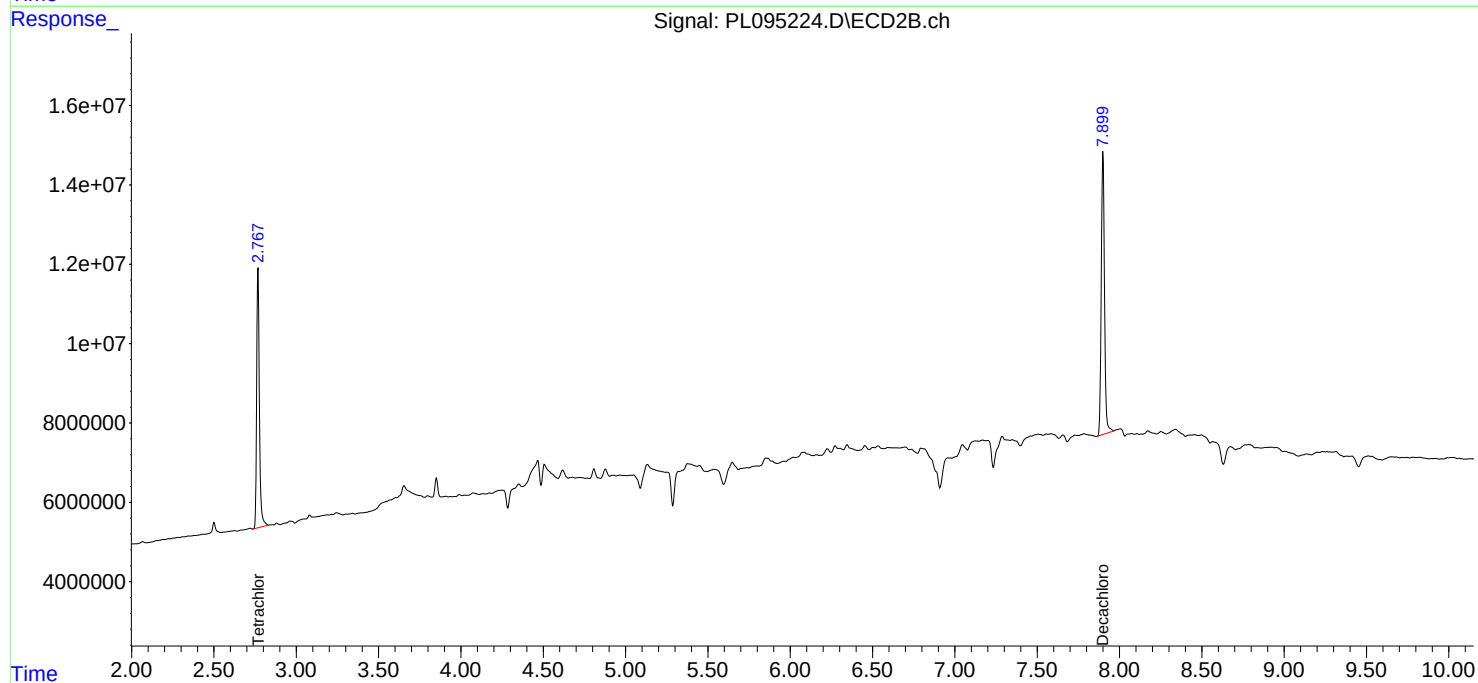
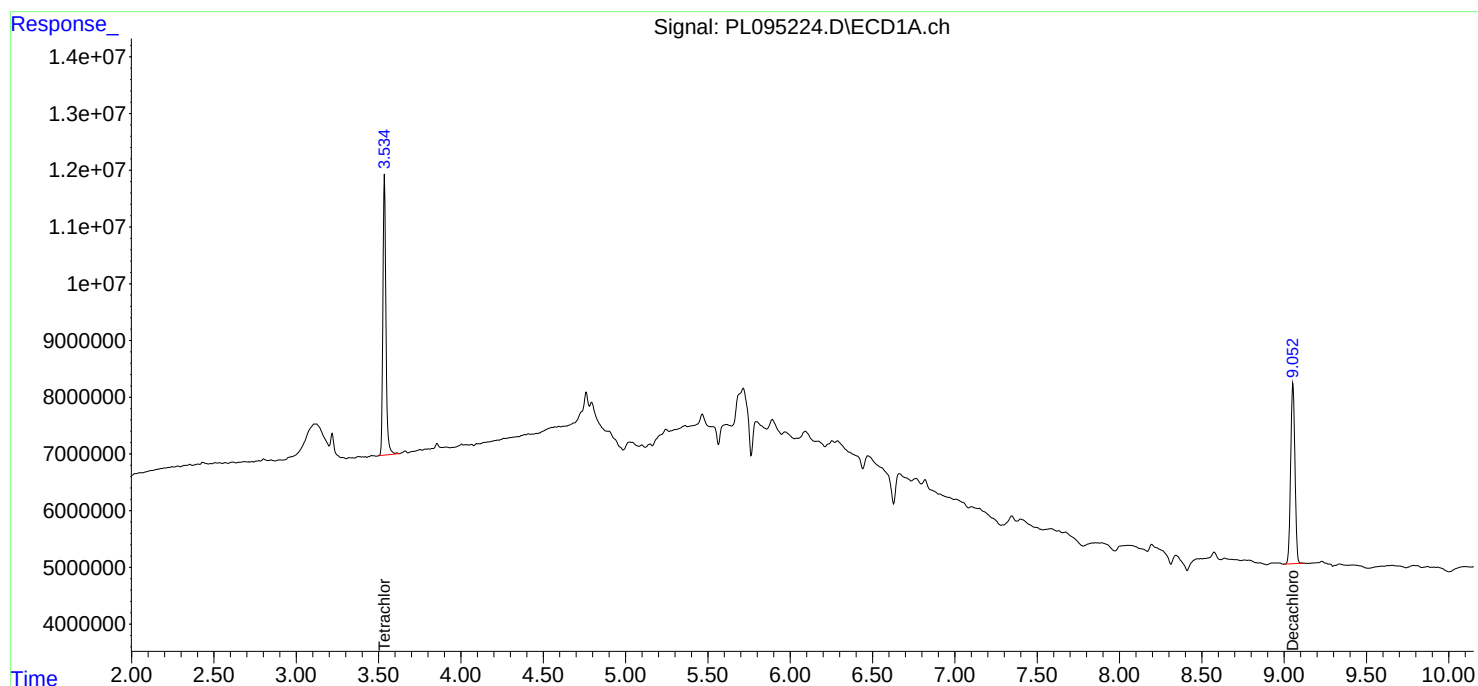
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

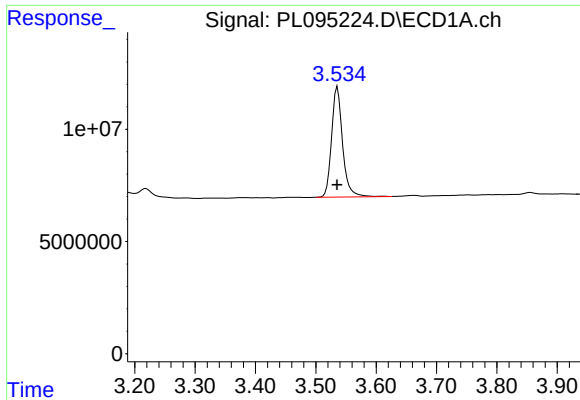
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
Data File : PL095224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Apr 2025 10:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 15 12:00:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 19:12:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

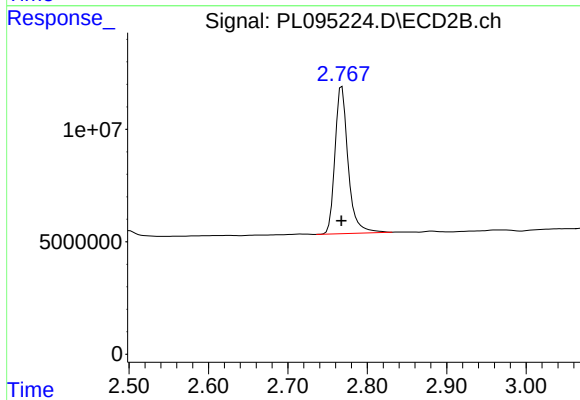




#1 Tetrachloro-m-xylene

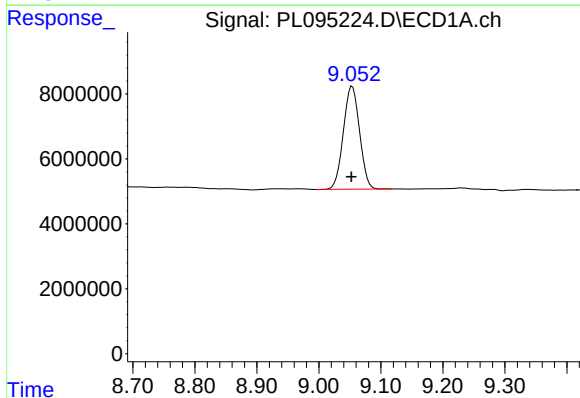
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 62350882
Conc: 22.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



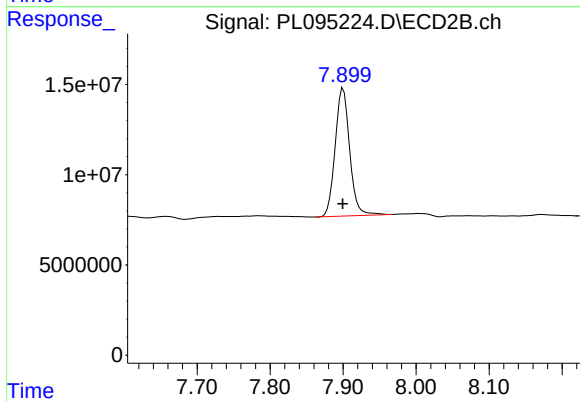
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: 0.000 min
Response: 75054868
Conc: 20.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.001 min
Response: 57626585
Conc: 23.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: 0.000 min
Response: 97896275
Conc: 22.25 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/15/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/15/25
Client Sample ID:	PIBLK-PL095235.D	SDG No.:	Q1746
Lab Sample ID:	I.BLK-PL095235.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
Prep Method :	3510C	Test:	TCLP Pesticide
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095235.D	1		04/15/25	pl041525

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	20.9		30 (43) - 150 (140)	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.8		30 (77) - 150 (126)	119%	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\PL041525\
Data File : PL095235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Apr 2025 13:57
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: Apr 15 14:35:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 19:12:49 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...	3.537	2.769	65293405	76966386	23.801	20.683
28)	SA Decachlor...	9.059	7.904	50430904	66937260	20.946	15.216 #

Target Compounds

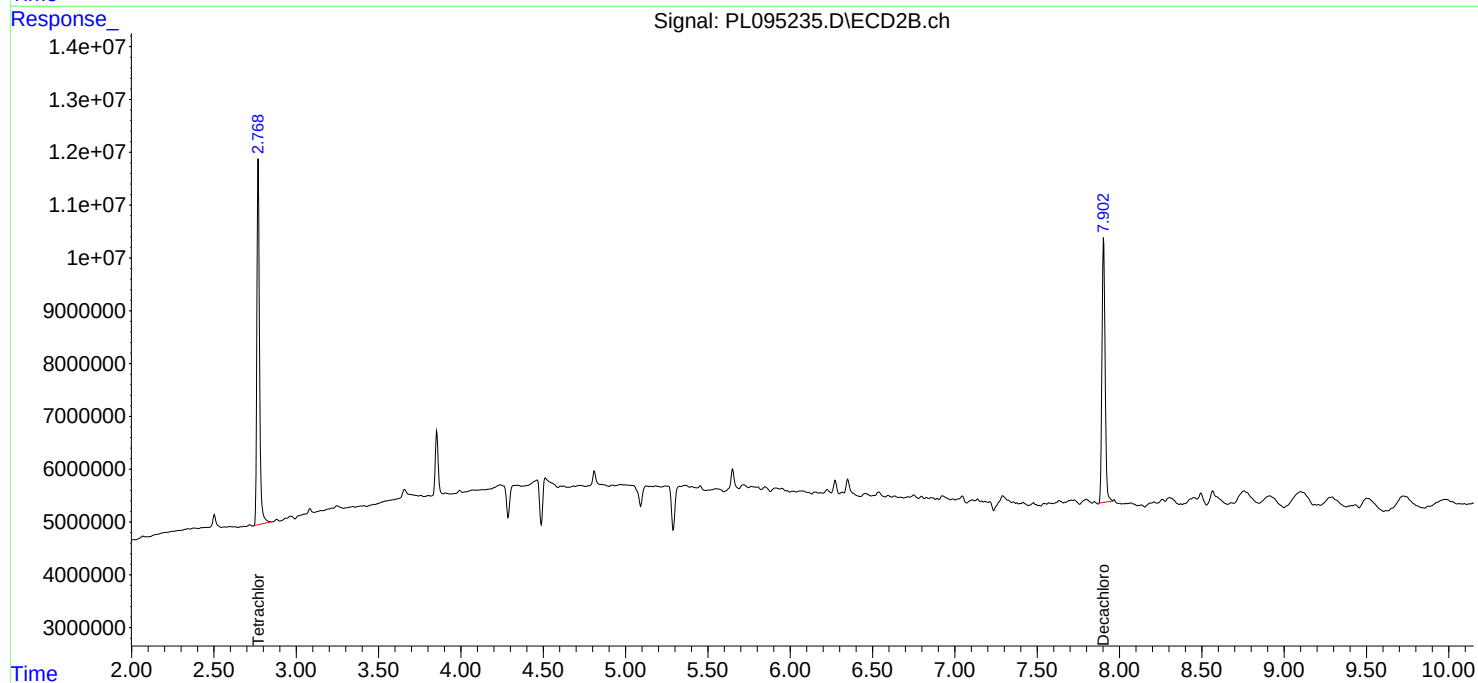
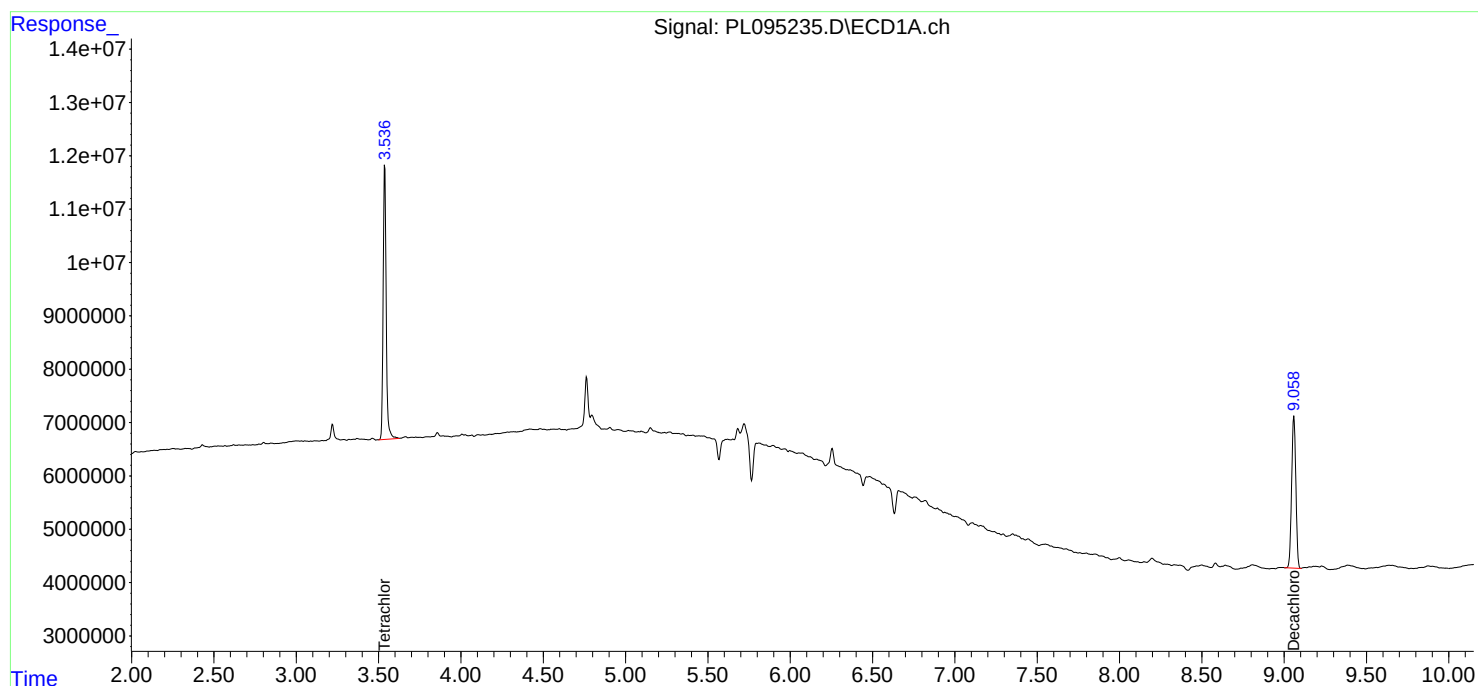
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

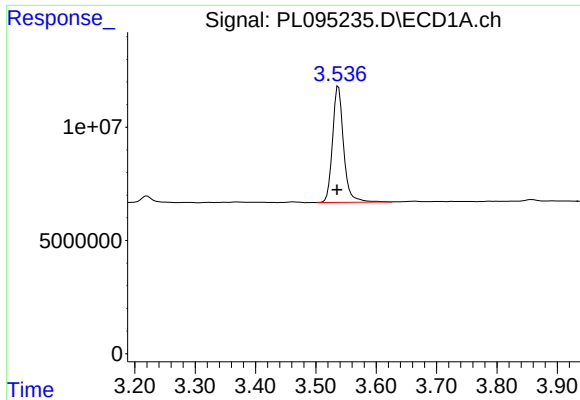
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
Data File : PL095235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Apr 2025 13:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 15 14:35:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 19:12:49 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

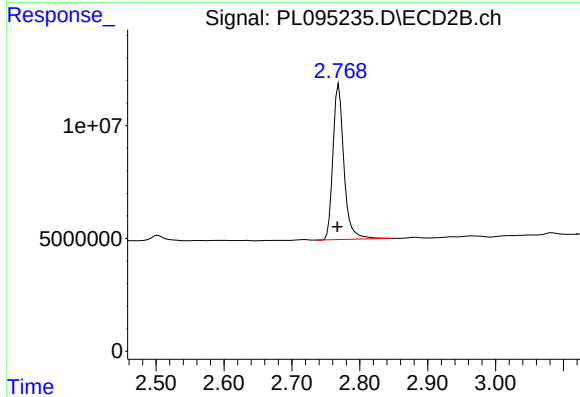




#1 Tetrachloro-m-xylene

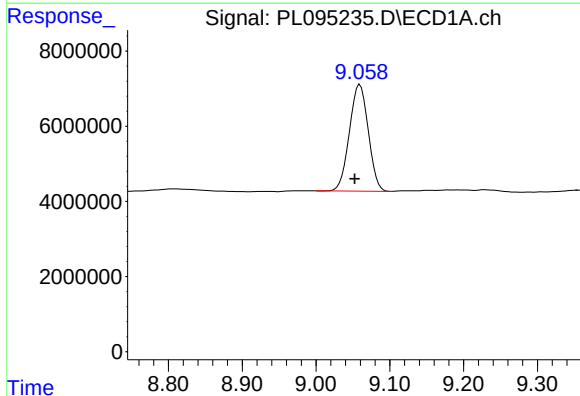
R.T.: 3.537 min
Delta R.T.: 0.002 min
Response: 65293405
Conc: 23.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



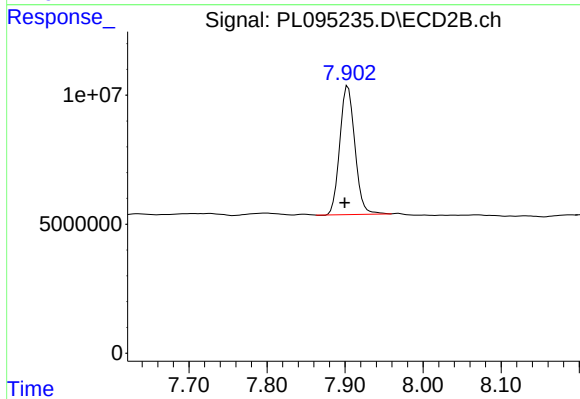
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: 0.002 min
Response: 76966386
Conc: 20.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.007 min
Response: 50430904
Conc: 20.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: 0.004 min
Response: 66937260
Conc: 15.22 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167535BS	SDG No.:	Q1746
Lab Sample ID:	PB167535BS	Matrix:	TCLP
Analytical Method:	SW8081	% 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
PL095232.D	1	04/09/25 12:50	04/15/25 13:05	PB167535

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.46		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.50		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.49		0.0096	0.050	ug/L
72-20-8	Endrin	0.52		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.52		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	19.0		30 (43) - 150 (140)	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		30 (77) - 150 (126)	83%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
 Data File : PL095232.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Apr 2025 13:05
 Operator : AR\AJ
 Sample : PB167535BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167535BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/16/2025
 Supervised By : mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 15 14:13:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 14 19:12:49 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...	3.544	2.768	45459137	56956063	16.571	15.306
28)	SA Decachlor...	9.066	7.905	45753604	67955188	19.003	15.448
Target Compounds							
2)	A alpha-BHC	4.000	3.270	184.3E6	249.3E6	45.860	45.020
3)	MA gamma-BHC...	4.334	3.601	176.7E6	239.8E6	45.956	45.570
4)	MA Heptachlor	4.922	3.938	182.6E6	247.4E6	49.800	47.578
5)	MB Aldrin	5.263	4.218	175.4E6	224.6E6	49.689	46.086
6)	B beta-BHC	4.533	3.901	79305563	103.1E6	45.233	44.477
7)	B delta-BHC	4.778	4.130	191.5E6	221.0E6	48.858m	42.754
8)	B Heptachlo...	5.690	4.720	157.1E6	222.2E6	48.924	48.638
9)	A Endosulfan I	6.076	5.090	156.0E6	219.2E6	50.356	50.499
10)	B gamma-Chl...	5.946	4.971	167.7E6	235.6E6	50.200	48.906
11)	B alpha-Chl...	6.025	5.034	166.0E6	232.8E6	50.011	49.108
12)	B 4,4'-DDE	6.200	5.223	160.4E6	233.5E6	49.067	48.506
13)	MA Dieldrin	6.351	5.355	166.0E6	236.6E6	50.388	49.300
14)	MA Endrin	6.581	5.631	133.0E6	218.3E6	51.047	52.266
15)	B Endosulfa...	6.802	5.926	142.4E6	213.0E6	49.941	48.515
16)	A 4,4'-DDD	6.718	5.779	124.6E6	187.9E6	49.061	48.315
17)	MA 4,4'-DDT	7.032	6.028	135.0E6	210.0E6	53.017	50.415
18)	B Endrin al...	6.932	6.105	110.0E6	162.5E6	49.969	48.211
19)	B Endosulfa...	7.168	6.329	128.6E6	207.9E6	50.048	49.788
20)	A Methoxychlor	7.509	6.604	69469908	108.9E6	51.865	48.486
21)	B Endrin ke...	7.653	6.834	140.1E6	236.5E6	48.547	46.901
22)	Mirex	8.125	7.013	104.9E6	171.5E6	49.330	43.617

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL041525\
Data File : PL095232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Apr 2025 13:05
Operator : AR\AJ
Sample : PB167535BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167535BS

Manual Integrations

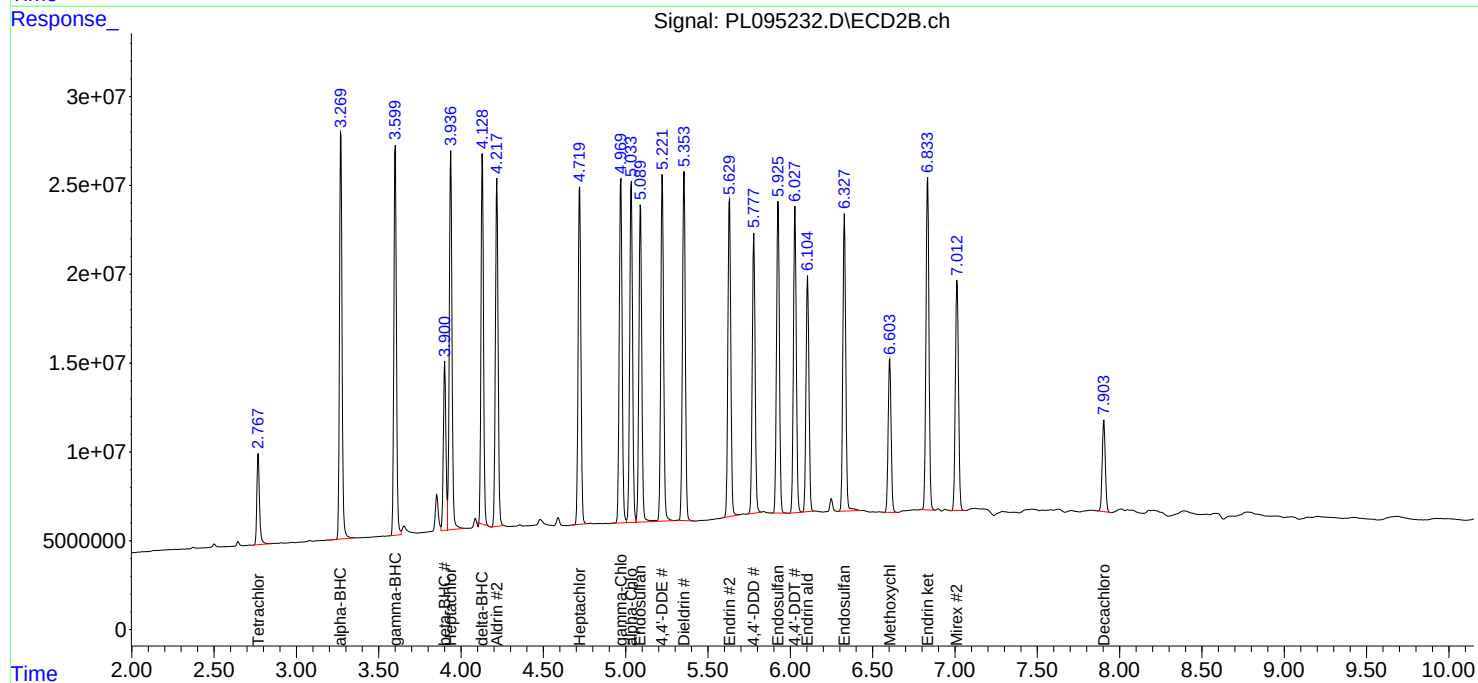
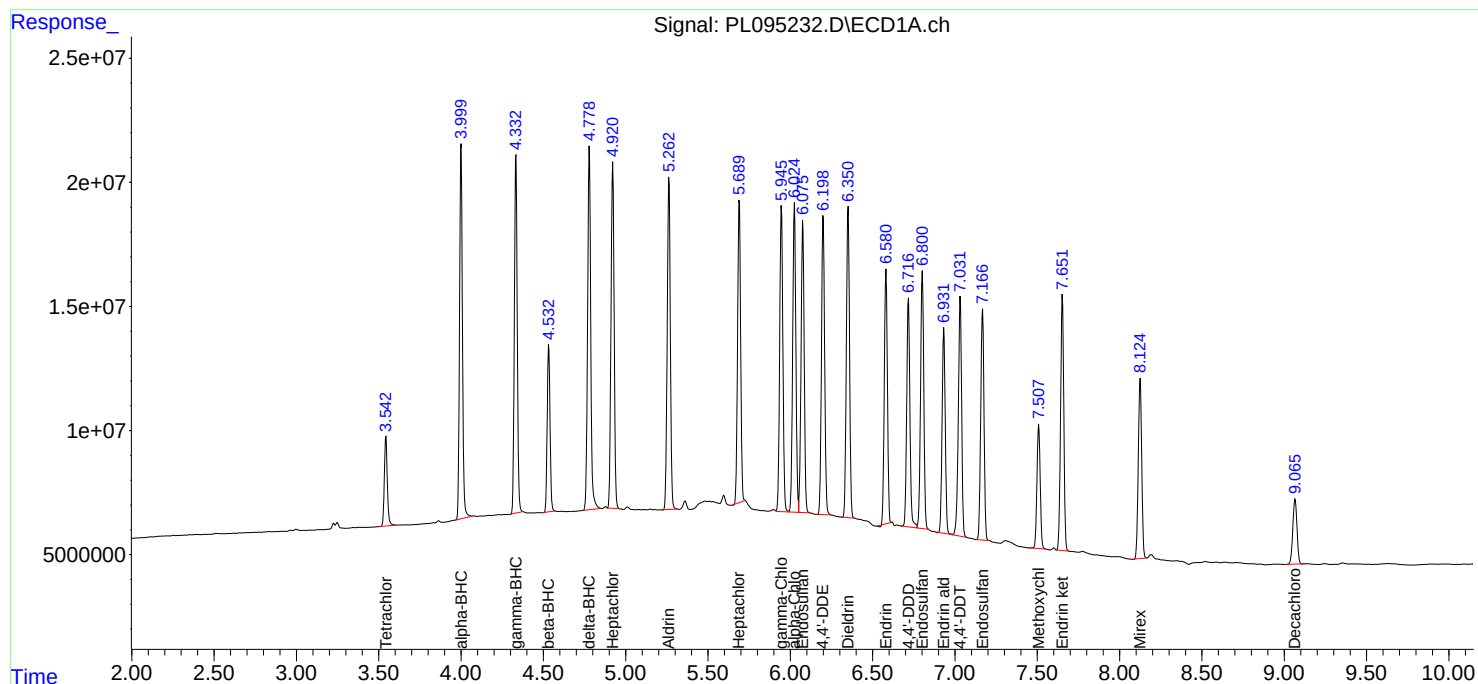
APPROVED

Reviewed By :Abdul Mirza 04/16/2025

Supervised By :mohammad ahmed 04/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 15 14:13:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL041425.M
Quant Title : GC Extractables
QLast Update : Mon Apr 14 19:12:49 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:	Portal Partners Tri-Venture	Date Collected:	04/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/04/25
Client Sample ID:	WC-LIQUID-20250404MS	SDG No.:	Q1746
Lab Sample ID:	Q1739-02MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095145.D	1	04/09/25 12:50	04/09/25 18:58	PB167535

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	3.10		0.037	0.50	ug/L
76-44-8	Heptachlor	2.90		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	3.00		0.096	0.50	ug/L
72-20-8	Endrin	3.40		0.032	0.50	ug/L
72-43-5	Methoxychlor	3.40		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	17.4		30 (43) - 150 (140)	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.0		30 (77) - 150 (126)	70%	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\PL040925\
 Data File : PL095145.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 18:58
 Operator : AR\AJ
 Sample : Q1739-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-LIQUID-20250404MS

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/10/2025
 Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:25:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.767	35271484	49889239	12.460m	13.977m
28) SA Decachlor...	9.047	7.899	36593191	51673290	17.364m	12.792 #
Target Compounds						
2) A alpha-BHC	3.991	3.270	129.0E6	190.1E6	31.058	35.258
3) MA gamma-BHC...	4.323	3.600	115.4E6	157.4E6	28.910	30.618
4) MA Heptachlor	4.910	3.936	108.6E6	151.9E6	27.983	28.822m
5) MB Aldrin	5.250	4.216	90495317	141.3E6	24.510m	28.967
6) B beta-BHC	4.521	3.900	51440315	72440343	27.878m	32.612
7) B delta-BHC	4.768	4.128	168.5E6	135.9E6	43.275	27.169 #
8) B Heptachlo...	5.677	4.719	99815318	131.5E6	29.838m	28.718
9) A Endosulfan I	6.065	5.086	79917296	140.8E6	26.030	32.080m
10) B gamma-Chl...	5.935	4.966	95166907	143.6E6	28.245	29.751m
11) B alpha-Chl...	6.013	5.032	85221921	133.2E6	25.850	27.911
12) B 4,4'-DDE	6.187	5.220	90836186	129.2E6	30.875	27.791
13) MA Dieldrin	6.340	5.350	85205921	168.6E6	26.642	34.752m#
14) MA Endrin	6.569	5.627	92897199	121.1E6	33.512	27.751
15) B Endosulfa...	6.790	5.920	77189040	121.0E6	28.433	27.966m
16) A 4,4'-DDD	6.704	5.773	72140671	100.7E6	33.305m	28.006m
17) MA 4,4'-DDT	7.018	6.023	81604006	126.5E6	34.308m	31.361m
18) B Endrin al...	6.920	6.100	55633651	87237958	26.354	25.922m
19) B Endosulfa...	7.153	6.324	71485710	127.5E6	29.394m	31.292
20) A Methoxychlor	7.496	6.598	40558512	64309612	33.881	30.319m
21) B Endrin ke...	7.638	6.829	96133198	140.1E6	36.369m	29.345
22) Mirex	8.111	7.009	70200258	108.8E6	33.974	28.677

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 18:58
Operator : AR\AJ
Sample : Q1739-02MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

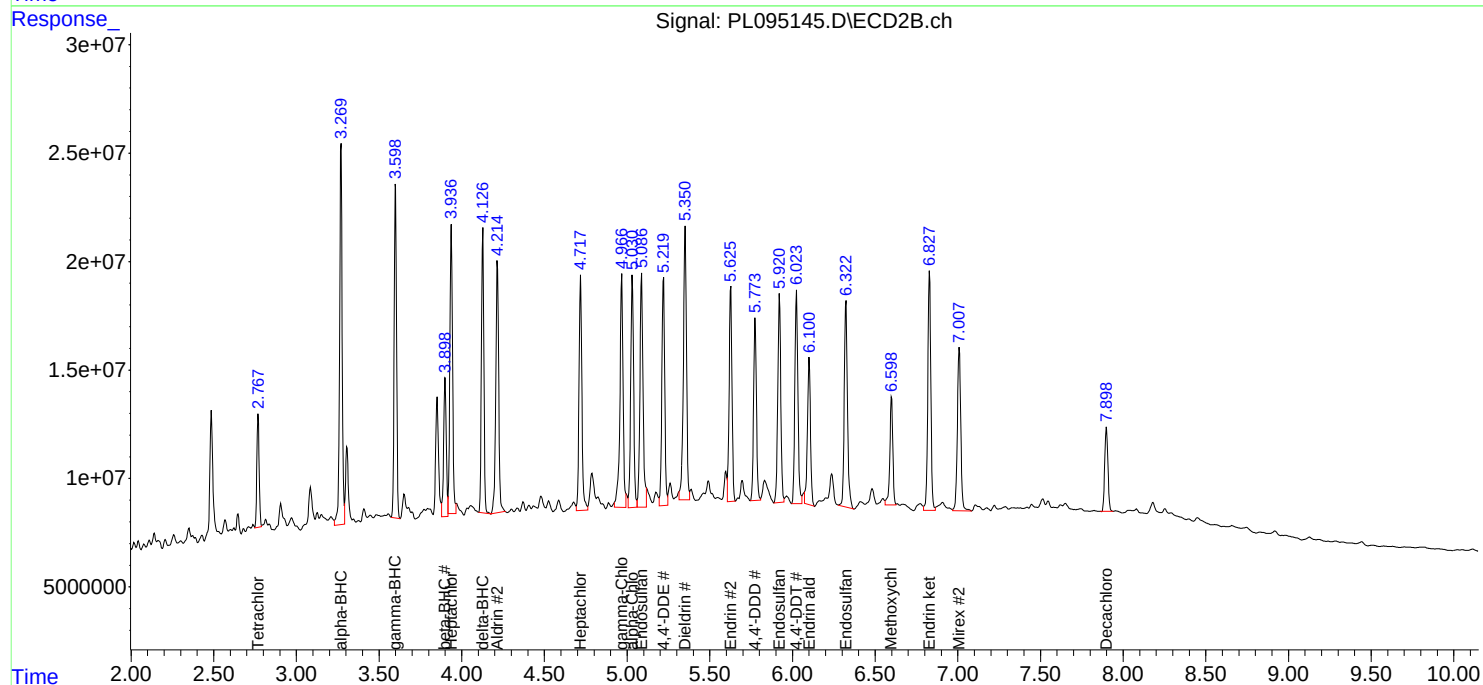
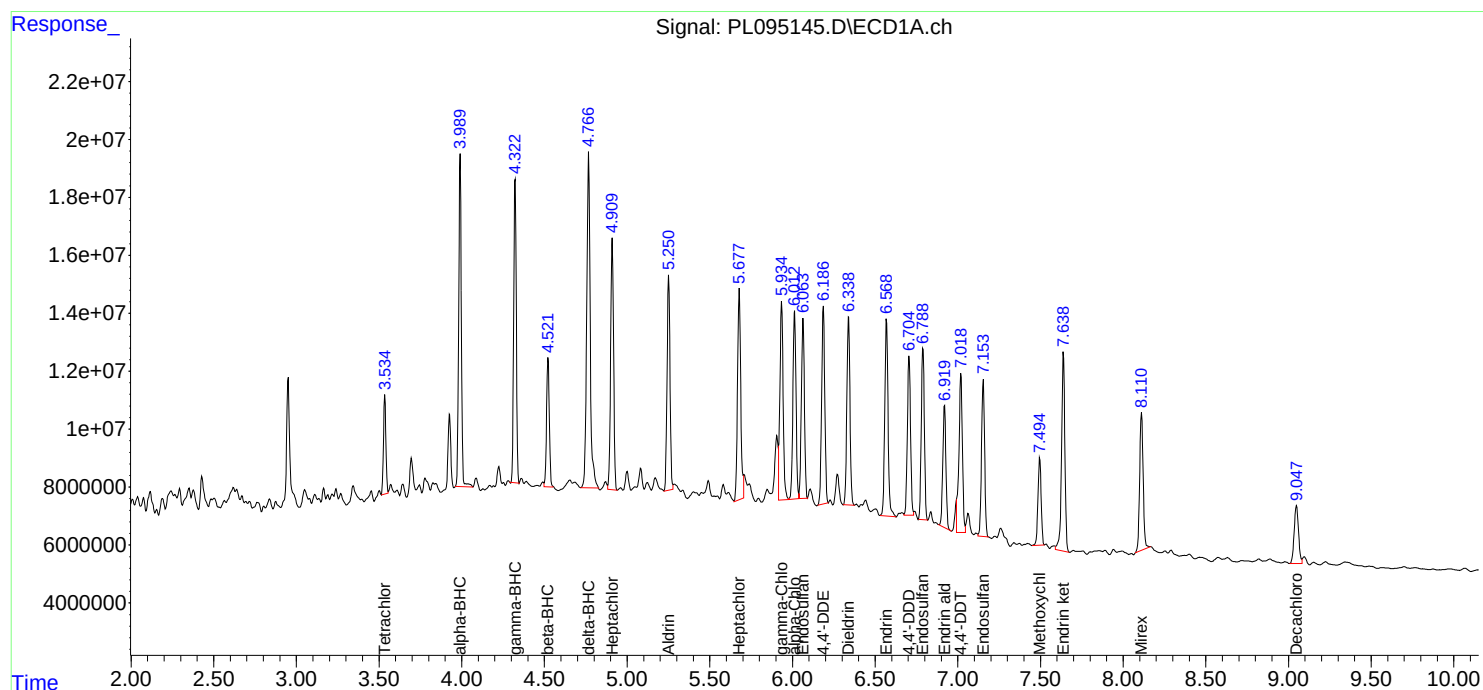
Instrument :
ECD_L
ClientSampleId :
WC-LIQUID-20250404MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:25:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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:	Portal Partners Tri-Venture	Date Collected:	04/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/04/25
Client Sample ID:	WC-LIQUID-20250404MSD	SDG No.:	Q1746
Lab Sample ID:	Q1739-02MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095146.D	1	04/09/25 12:50	04/09/25 19:12	PB167535

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	3.10		0.037	0.50	ug/L
76-44-8	Heptachlor	2.80		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	2.90		0.096	0.50	ug/L
72-20-8	Endrin	3.30		0.032	0.50	ug/L
72-43-5	Methoxychlor	3.40		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	16.4		30 (43) - 150 (140)	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.7		30 (77) - 150 (126)	69%	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\PL040925\
 Data File : PL095146.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 19:12
 Operator : AR\AJ
 Sample : Q1739-02MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-LIQUID-20250404MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
 Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:25:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.533	2.767	34768099	48958685	12.283m	13.717m
28) SA Decachlor...	9.047	7.899	34559263	52039313	16.399m	12.883
Target Compounds						
2) A alpha-BHC	3.990	3.270	124.0E6	190.3E6	29.872	35.292
3) MA gamma-BHC...	4.323	3.599	113.9E6	159.1E6	28.547	30.965
4) MA Heptachlor	4.911	3.935	106.8E6	144.4E6	27.524	27.409m
5) MB Aldrin	5.250	4.215	88681356	138.4E6	24.018m	28.391
6) B beta-BHC	4.521	3.898	49756043	69621157	26.965m	31.343m
7) B delta-BHC	4.767	4.127	165.0E6	133.5E6	42.381	26.681 #
8) B Heptachlo...	5.677	4.718	95976173	129.9E6	28.691m	28.365
9) A Endosulfan I	6.064	5.087	78486962	150.0E6	25.564	34.174 #
10) B gamma-Chl...	5.935	4.968	93639414	149.5E6	27.791	30.969
11) B alpha-Chl...	6.013	5.031	83530901	131.1E6	25.337	27.471
12) B 4,4'-DDE	6.187	5.220	89307641	128.3E6	30.355	27.600
13) MA Dieldrin	6.339	5.350	83761915	171.2E6	26.191	35.289m#
14) MA Endrin	6.569	5.627	90415762	119.9E6	32.617	27.469
15) B Endosulfa...	6.789	5.920	75795525	120.4E6	27.920	27.810m
16) A 4,4'-DDD	6.706	5.775	71410249	98205183	32.968	27.310
17) MA 4,4'-DDT	7.018	6.023	72441272	123.1E6	30.456m	30.518m
18) B Endrin al...	6.919	6.100	53564851	86109391	25.374	25.587m
19) B Endosulfa...	7.154	6.323	70446115	128.2E6	28.966	31.484
20) A Methoxychlor	7.496	6.598	40704355	67064220	34.003	31.618m
21) B Endrin ke...	7.639	6.829	93851380	139.0E6	35.506	29.122
22) Mirex	8.110	7.008	71468532	107.1E6	34.588m	28.220

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 19:12
Operator : AR\AJ
Sample : Q1739-02MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

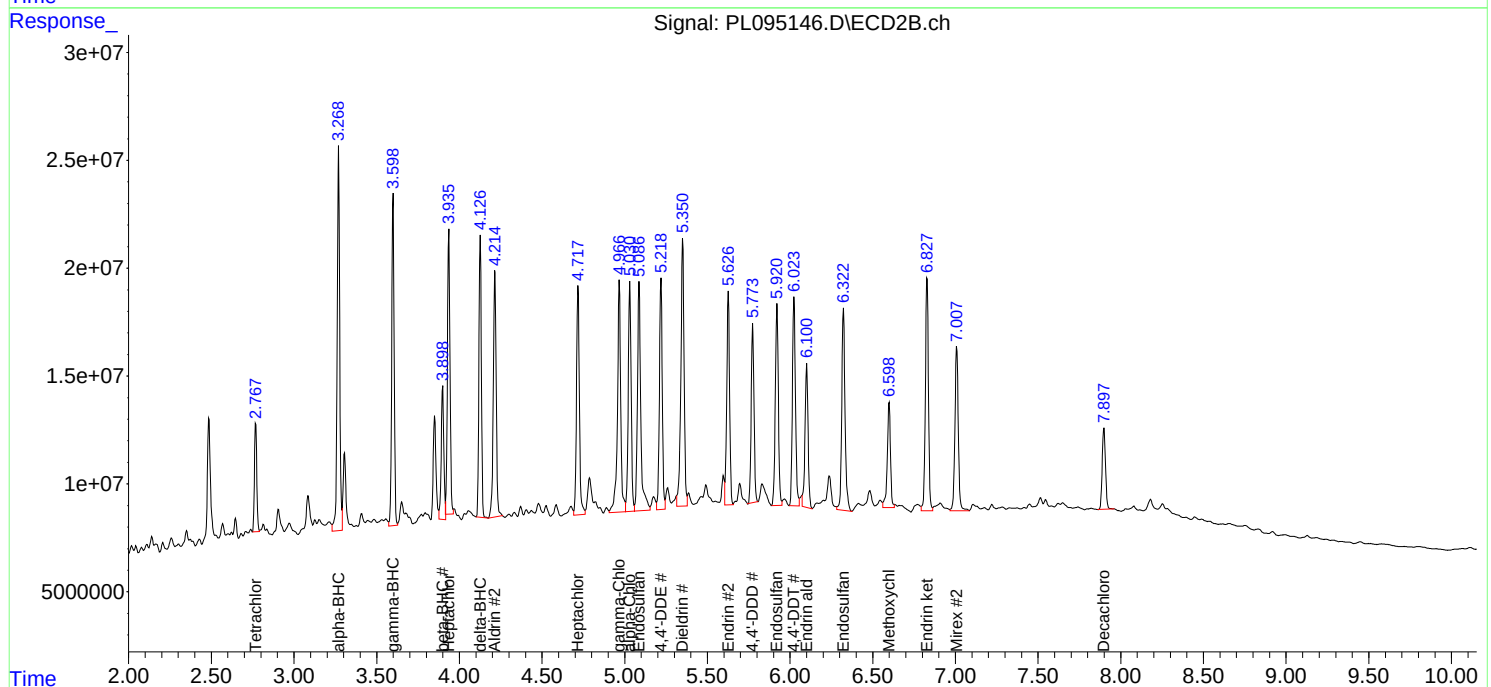
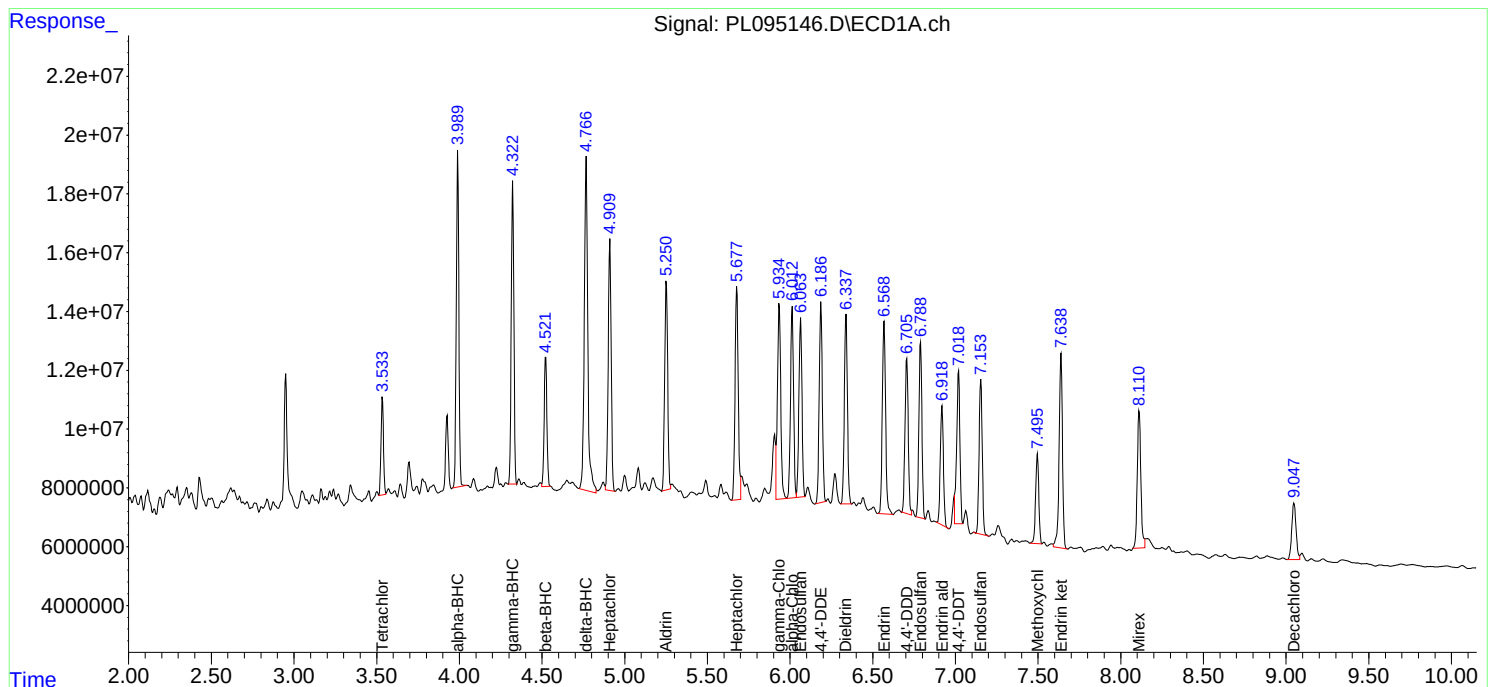
Instrument :
ECD_L
ClientSampleId :
WC-LIQUID-20250404MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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:

PL031125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094567.D	4,4"-DDD	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	4,4"-DDD #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin aldehyde	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
RESCHK	PL094568.D	gamma-Chlordane #2	Abdul	3/12/2025 12:46:05 PM	Ankita	3/12/2025 2:34:09	Peak Integrated by Software
PSTDICC100	PL094569.D	Methoxychlor	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC100	PL094569.D	Mirex	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC075	PL094570.D	Mirex	Abdul	3/12/2025 12:46:12 PM	Ankita	3/12/2025 2:34:12	Peak Integrated by Software
PSTDICC005	PL094573.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Dieldrin #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Endrin ketone #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDD	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094588.D	4,4"-DDE	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin aldehyde	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin ketone	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Methoxychlor #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PSTDCCC050	PL094589.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Dieldrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094598.D	4,4"-DDE	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094598.D	Endrin	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	Heptachlor epoxide #2	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDD	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin aldehyde	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin ketone #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PSTDCCC050	PL094607.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Dieldrin #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Endrin	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094607.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDD	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Dieldrin #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endosulfan I #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endrin	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software

Manual Integration Report

Sequence:	pl040925	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095128.D	4,4"-DDD	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	4,4"-DDE	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	4,4"-DDE #2	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Endrin	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Endrin #2	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Endrin aldehyde	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Endrin ketone #2	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Methoxychlor #2	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	4,4"-DDE #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Dieldrin #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Endosulfan I #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Endosulfan II #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Endrin	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software

Manual Integration Report

Sequence:

pl040925

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095129.D	Endrin #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Endrin ketone #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Heptachlor epoxide #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	4,4"-DDE #2	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	Dieldrin #2	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	Endosulfan II #2	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	Endrin	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	Endrin #2	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	4,4"-DDD	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	4,4"-DDD #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	4,4"-DDT	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	4,4"-DDT #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Aldrin	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software

Manual Integration Report

Sequence:	pl040925	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1739-02MS	PL095145.D	beta-BHC	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Decachlorobiphenyl	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Dieldrin #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Endosulfan I #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Endosulfan II #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Endosulfan Sulfate	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Endrin aldehyde #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Endrin ketone	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	gamma-Chlordane #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Heptachlor #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Heptachlor epoxide	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Methoxychlor #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MS	PL095145.D	Tetrachloro-m-xylene	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software

Manual Integration Report

Sequence:

pl040925

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1739-02MS	PL095145.D	Tetrachloro-m-xylene #2	Abdul	4/10/2025 9:02:54 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	4,4"-DDT	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	4,4"-DDT #2	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Aldrin	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	beta-BHC	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	beta-BHC #2	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Decachlorobiphenyl	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Dieldrin #2	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Endosulfan II #2	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Endrin aldehyde #2	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Heptachlor #2	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Heptachlor epoxide	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Methoxychlor #2	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software

Manual Integration Report

Sequence:

pl040925

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1739-02MSD	PL095146.D	Mirex	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Tetrachloro-m-xylene	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1739-02MSD	PL095146.D	Tetrachloro-m-xylene #2	Abdul	4/10/2025 9:02:58 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095148.D	4,4"-DDE	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095148.D	4,4"-DDE #2	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095148.D	Endrin	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095148.D	Endrin aldehyde	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095148.D	Endrin ketone #2	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	4,4"-DDE #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	Dieldrin #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	Endosulfan II #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	Endrin ketone #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	Methoxychlor	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software

Manual Integration Report

Sequence:	pl040925	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095149.D	Mirex #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1746-02	PL095160.D	Tetrachloro-m-xylene	Abdul	4/10/2025 9:03:29 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1746-04	PL095161.D	Tetrachloro-m-xylene	Abdul	4/10/2025 9:03:34 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
Q1746-04	PL095161.D	Tetrachloro-m-xylene #2	Abdul	4/10/2025 9:03:34 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	4,4"-DDE #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	alpha-Chlordane #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Dieldrin #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Endosulfan I #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Endosulfan II #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Endrin	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Endrin ketone #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	gamma-Chlordane #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Mirex #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pl040925

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	PL041425	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095203.D	4,4"-DDD	Abdul	4/15/2025 7:50:36 AM	mohammad	4/16/2025 1:08:48	Peak Integrated by Software
PEM	PL095203.D	Methoxychlor #2	Abdul	4/15/2025 7:50:36 AM	mohammad	4/16/2025 1:08:48	Peak Integrated by Software
PSTDICC100	PL095205.D	Endrin ketone #2	Abdul	4/15/2025 7:50:43 AM	mohammad	4/16/2025 1:08:48	Peak Integrated by Software
PSTDICC005	PL095209.D	gamma-Chlordane	Abdul	4/15/2025 7:50:48 AM	mohammad	4/16/2025 1:08:48	Peak Integrated by Software
PSTDICC005	PL095209.D	Methoxychlor #2	Abdul	4/15/2025 7:50:48 AM	mohammad	4/16/2025 1:08:48	Peak Integrated by Software

Manual Integration Report

Sequence:

PI041525

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095225.D	4,4"-DDD	Abdul	4/16/2025 8:38:45 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PEM	PL095225.D	4,4"-DDD #2	Abdul	4/16/2025 8:38:45 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PEM	PL095225.D	Endrin	Abdul	4/16/2025 8:38:45 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PEM	PL095225.D	Endrin aldehyde	Abdul	4/16/2025 8:38:45 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PEM	PL095225.D	Endrin ketone #2	Abdul	4/16/2025 8:38:45 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PEM	PL095225.D	Methoxychlor #2	Abdul	4/16/2025 8:38:45 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PSTDCCC050	PL095226.D	Endrin	Abdul	4/16/2025 8:38:56 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PSTDCCC050	PL095226.D	Endrin ketone #2	Abdul	4/16/2025 8:38:56 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PB167535BS	PL095232.D	delta-BHC	Abdul	4/16/2025 8:39:15 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PSTDCCC050	PL095236.D	alpha-BHC #2	Abdul	4/16/2025 8:39:30 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PEM	PL095251.D	4,4"-DDD	Abdul	4/16/2025 8:40:29 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PEM	PL095251.D	4,4"-DDE	Abdul	4/16/2025 8:40:29 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PEM	PL095251.D	4,4"-DDE #2	Abdul	4/16/2025 8:40:29 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software

Manual Integration Report

Sequence:

PI041525

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095251.D	Endrin	Abdul	4/16/2025 8:40:29 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PEM	PL095251.D	Endrin aldehyde	Abdul	4/16/2025 8:40:29 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PSTDCCC050	PL095252.D	delta-BHC	Abdul	4/16/2025 8:40:34 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software
PSTDCCC050	PL095252.D	Endrin	Abdul	4/16/2025 8:40:34 AM	mohammad	4/16/2025 9:16:31	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,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	PL094565.D	11 Mar 2025 09:41	AR\AJ	Ok
2	I.BLK	PL094566.D	11 Mar 2025 09:55	AR\AJ	Ok
3	PEM	PL094567.D	11 Mar 2025 10:08	AR\AJ	Ok,M
4	RESCHK	PL094568.D	11 Mar 2025 10:22	AR\AJ	Ok,M
5	PSTDICC100	PL094569.D	11 Mar 2025 10:35	AR\AJ	Ok,M
6	PSTDICC075	PL094570.D	11 Mar 2025 10:49	AR\AJ	Ok,M
7	PSTDICC050	PL094571.D	11 Mar 2025 11:02	AR\AJ	Ok
8	PSTDICC025	PL094572.D	11 Mar 2025 11:16	AR\AJ	Ok
9	PSTDICC005	PL094573.D	11 Mar 2025 11:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43	AR\AJ	Ok
11	PCHLORICC750	PL094575.D	11 Mar 2025 11:57	AR\AJ	Ok
12	PCHLORICC500	PL094576.D	11 Mar 2025 12:10	AR\AJ	Ok
13	PCHLORICC250	PL094577.D	11 Mar 2025 12:24	AR\AJ	Ok
14	PCHLORICC050	PL094578.D	11 Mar 2025 12:37	AR\AJ	Ok,M
15	PTOXICC1000	PL094579.D	11 Mar 2025 12:51	AR\AJ	Ok
16	PTOXICC750	PL094580.D	11 Mar 2025 13:04	AR\AJ	Ok
17	PTOXICC500	PL094581.D	11 Mar 2025 13:18	AR\AJ	Ok
18	PTOXICC250	PL094582.D	11 Mar 2025 13:31	AR\AJ	Ok,M
19	PTOXICC100	PL094583.D	11 Mar 2025 13:45	AR\AJ	Ok,M
20	PSTDICV050	PL094584.D	11 Mar 2025 13:59	AR\AJ	Ok
21	PCHLORICV500	PL094585.D	11 Mar 2025 14:26	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,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	PL094586.D	11 Mar 2025 14:53	AR\AJ	Ok
23	I.BLK	PL094587.D	11 Mar 2025 17:16	AR\AJ	Ok
24	PEM	PL094588.D	11 Mar 2025 17:30	AR\AJ	Ok,M
25	PSTDCCC050	PL094589.D	11 Mar 2025 17:43	AR\AJ	Ok,M
26	PB167076BL	PL094590.D	11 Mar 2025 17:57	AR\AJ	Ok
27	PB167076BS	PL094591.D	11 Mar 2025 18:11	AR\AJ	Ok,M
28	PB167076BSD	PL094592.D	11 Mar 2025 18:44	AR\AJ	Ok,M
29	Q1494-01	PL094593.D	11 Mar 2025 18:57	AR\AJ	Not Ok
30	Q1502-11	PL094594.D	11 Mar 2025 19:11	AR\AJ	Not Ok
31	Q1502-09	PL094595.D	11 Mar 2025 19:25	AR\AJ	Dilution
32	Q1502-13	PL094596.D	11 Mar 2025 19:39	AR\AJ	Not Ok
33	I.BLK	PL094597.D	11 Mar 2025 19:52	AR\AJ	Ok
34	PSTDCCC050	PL094598.D	11 Mar 2025 20:06	AR\AJ	Ok,M
35	Q1539-01	PL094599.D	11 Mar 2025 20:33	AR\AJ	Ok,M
36	Q1539-02	PL094600.D	11 Mar 2025 20:47	AR\AJ	Ok,M
37	PB167086BL	PL094601.D	11 Mar 2025 21:01	AR\AJ	Ok
38	PB167086BS	PL094602.D	11 Mar 2025 21:14	AR\AJ	Not Ok
39	PB167087BL	PL094603.D	11 Mar 2025 21:28	AR\AJ	Ok
40	PB167087BS	PL094604.D	11 Mar 2025 21:42	AR\AJ	Not Ok
41	I.BLK	PL094605.D	11 Mar 2025 21:55	AR\AJ	Ok
42	PEM	PL094606.D	11 Mar 2025 22:09	AR\AJ	Ok,M
43	PSTDCCC050	PL094607.D	11 Mar 2025 22:23	AR\AJ	Ok,M
44	PB167077BL	PL094608.D	11 Mar 2025 22:50	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,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			

45	PB167077BS	PL094609.D	11 Mar 2025 23:04	AR\AJ	Not Ok
46	Q1534-01	PL094610.D	11 Mar 2025 23:17	AR\AJ	Ok,M
47	Q1534-07	PL094611.D	11 Mar 2025 23:31	AR\AJ	Ok,M
48	Q1534-07MS	PL094612.D	11 Mar 2025 23:44	AR\AJ	Ok,M
49	Q1534-07MSD	PL094613.D	11 Mar 2025 23:58	AR\AJ	Ok,M
50	Q1534-13	PL094614.D	12 Mar 2025 00:11	AR\AJ	Dilution
51	Q1534-19	PL094615.D	12 Mar 2025 00:25	AR\AJ	Dilution
52	Q1535-01	PL094616.D	12 Mar 2025 00:39	AR\AJ	Ok,M
53	I.BLK	PL094617.D	12 Mar 2025 00:53	AR\AJ	Ok
54	PSTDCCC050	PL094618.D	12 Mar 2025 01:06	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method pl031125 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	PL095126.D	09 Apr 2025 08:16	AR\AJ	Ok
2	I.BLK	PL095127.D	09 Apr 2025 08:29	AR\AJ	Ok
3	PEM	PL095128.D	09 Apr 2025 08:43	AR\AJ	Ok,M
4	PSTDCCC050	PL095129.D	09 Apr 2025 08:57	AR\AJ	Ok,M
5	PB167473BS	PL095130.D	09 Apr 2025 11:03	AR\AJ	Ok,M
6	PB167523BL	PL095131.D	09 Apr 2025 12:28	AR\AJ	Ok
7	PB167523BS	PL095132.D	09 Apr 2025 14:50	AR\AJ	Ok,M
8	Q1748-01	PL095133.D	09 Apr 2025 15:41	AR\AJ	Ok,M
9	Q1748-05	PL095134.D	09 Apr 2025 15:54	AR\AJ	Ok,M
10	Q1754-01	PL095135.D	09 Apr 2025 16:08	AR\AJ	Ok,M
11	Q1754-03	PL095136.D	09 Apr 2025 16:22	AR\AJ	Ok,M
12	I.BLK	PL095137.D	09 Apr 2025 16:36	AR\AJ	Ok
13	PSTDCCC050	PL095138.D	09 Apr 2025 16:49	AR\AJ	Ok,M
14	Q1749-01	PL095139.D	09 Apr 2025 17:36	AR\AJ	Ok,M
15	Q1752-01	PL095140.D	09 Apr 2025 17:50	AR\AJ	Ok,M
16	Q1752-03	PL095141.D	09 Apr 2025 18:03	AR\AJ	Ok,M
17	Q1752-03MS	PL095142.D	09 Apr 2025 18:17	AR\AJ	Ok,M
18	Q1752-03MSD	PL095143.D	09 Apr 2025 18:31	AR\AJ	Ok,M
19	Q1739-02	PL095144.D	09 Apr 2025 18:45	AR\AJ	Ok,M
20	Q1739-02MS	PL095145.D	09 Apr 2025 18:58	AR\AJ	Ok,M
21	Q1739-02MSD	PL095146.D	09 Apr 2025 19:12	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method pl031125 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	I.BLK	PL095147.D	09 Apr 2025 19:26	AR\AJ	Ok
23	PEM	PL095148.D	09 Apr 2025 19:39	AR\AJ	Ok,M
24	PSTDCCC050	PL095149.D	09 Apr 2025 20:20	AR\AJ	Ok,M
25	Q1752-05	PL095150.D	09 Apr 2025 20:34	AR\AJ	Ok,M
26	Q1752-07	PL095151.D	09 Apr 2025 20:48	AR\AJ	Ok,M
27	Q1753-01	PL095152.D	09 Apr 2025 21:02	AR\AJ	Ok
28	Q1753-05	PL095153.D	09 Apr 2025 21:15	AR\AJ	Ok
29	PB167535BL	PL095154.D	09 Apr 2025 21:29	AR\AJ	Ok
30	PB167535BS	PL095155.D	09 Apr 2025 21:43	AR\AJ	Not Ok
31	PB167488TB	PL095156.D	09 Apr 2025 21:56	AR\AJ	Ok
32	PB167517TB	PL095157.D	09 Apr 2025 22:10	AR\AJ	Ok
33	Q1744-02	PL095158.D	09 Apr 2025 22:24	AR\AJ	Ok,M
34	Q1744-04	PL095159.D	09 Apr 2025 22:38	AR\AJ	Ok,M
35	Q1746-02	PL095160.D	09 Apr 2025 22:51	AR\AJ	Ok,M
36	Q1746-04	PL095161.D	09 Apr 2025 23:05	AR\AJ	Ok,M
37	I.BLK	PL095162.D	09 Apr 2025 23:19	AR\AJ	Ok
38	PSTDCCC050	PL095163.D	09 Apr 2025 23:33	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL041425

Review By	Abdul	Review On	4/15/2025 7:51:14 AM
Supervise By	mohammad	Supervise On	4/16/2025 1:08:48 AM
SubDirectory	PL041425	HP Acquire Method	HP Processing Method pl041425 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	PL095201.D	14 Apr 2025 14:12	AR\AJ	Ok
2	I.BLK	PL095202.D	14 Apr 2025 14:26	AR\AJ	Ok
3	PEM	PL095203.D	14 Apr 2025 14:40	AR\AJ	Ok,M
4	RESCHK	PL095204.D	14 Apr 2025 14:54	AR\AJ	Ok
5	PSTDICC100	PL095205.D	14 Apr 2025 15:07	AR\AJ	Ok,M
6	PSTDICC075	PL095206.D	14 Apr 2025 15:21	AR\AJ	Ok
7	PSTDICC050	PL095207.D	14 Apr 2025 15:35	AR\AJ	Ok
8	PSTDICC025	PL095208.D	14 Apr 2025 16:02	AR\AJ	Ok
9	PSTDICC005	PL095209.D	14 Apr 2025 16:15	AR\AJ	Ok,M
10	PCHLORICC1000	PL095210.D	14 Apr 2025 16:29	AR\AJ	Ok
11	PCHLORICC750	PL095211.D	14 Apr 2025 16:43	AR\AJ	Ok
12	PCHLORICC500	PL095212.D	14 Apr 2025 16:56	AR\AJ	Ok
13	PCHLORICC250	PL095213.D	14 Apr 2025 17:10	AR\AJ	Ok
14	PCHLORICC050	PL095214.D	14 Apr 2025 17:24	AR\AJ	Ok
15	PTOXICC1000	PL095215.D	14 Apr 2025 17:38	AR\AJ	Ok
16	PTOXICC750	PL095216.D	14 Apr 2025 17:51	AR\AJ	Ok
17	PTOXICC500	PL095217.D	14 Apr 2025 18:05	AR\AJ	Ok
18	PTOXICC250	PL095218.D	14 Apr 2025 18:19	AR\AJ	Ok,M
19	PTOXICC100	PL095219.D	14 Apr 2025 18:32	AR\AJ	Ok
20	PSTDICV050	PL095220.D	14 Apr 2025 18:46	AR\AJ	Ok
21	PCHLORICV500	PL095221.D	14 Apr 2025 19:00	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL041425

Review By	Abdul	Review On	4/15/2025 7:51:14 AM
Supervise By	mohammad	Supervise On	4/16/2025 1:08:48 AM
SubDirectory	PL041425	HP Acquire Method	HP Processing Method pl041425 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	PL095222.D	14 Apr 2025 19:13	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL041525

Review By	Abdul	Review On	4/16/2025 8:41:15 AM
Supervise By	mohammad	Supervise On	4/16/2025 9:16:31 AM
SubDirectory	PL041525	HP Acquire Method	HP Processing Method pl041425 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	PL095223.D	15 Apr 2025 10:24	AR\AJ	Ok
2	I.BLK	PL095224.D	15 Apr 2025 10:37	AR\AJ	Ok
3	PEM	PL095225.D	15 Apr 2025 10:51	AR\AJ	Ok,M
4	PSTDCCC050	PL095226.D	15 Apr 2025 11:21	AR\AJ	Ok,M
5	Q1784-01	PL095227.D	15 Apr 2025 11:35	AR\AJ	Ok,M
6	Q1783-01	PL095228.D	15 Apr 2025 11:48	AR\AJ	Ok,M
7	Q1792-01	PL095229.D	15 Apr 2025 12:02	AR\AJ	Ok,M
8	PB167576BL	PL095230.D	15 Apr 2025 12:16	AR\AJ	Ok
9	PB167576BS	PL095231.D	15 Apr 2025 12:29	AR\AJ	Not Ok
10	PB167535BS	PL095232.D	15 Apr 2025 13:05	AR\AJ	Ok,M
11	Q1785-01	PL095233.D	15 Apr 2025 13:30	AR\AJ	Ok,M
12	Q1785-03	PL095234.D	15 Apr 2025 13:43	AR\AJ	Ok,M
13	I.BLK	PL095235.D	15 Apr 2025 13:57	AR\AJ	Ok
14	PSTDCCC050	PL095236.D	15 Apr 2025 15:08	AR\AJ	Ok,M
15	PB167576BS	PL095237.D	15 Apr 2025 15:22	AR\AJ	Ok,M
16	Q1787-09	PL095238.D	15 Apr 2025 15:40	AR\AJ	Ok,M
17	Q1787-09MS	PL095239.D	15 Apr 2025 15:53	AR\AJ	Ok,M
18	Q1787-09MSD	PL095240.D	15 Apr 2025 16:07	AR\AJ	Ok,M
19	Q1788-01	PL095241.D	15 Apr 2025 16:21	AR\AJ	Ok,M
20	PB167596BL	PL095242.D	15 Apr 2025 16:35	AR\AJ	Ok
21	PB167596BS	PL095243.D	15 Apr 2025 16:48	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL041525

Review By	Abdul	Review On	4/16/2025 8:41:15 AM
Supervise By	mohammad	Supervise On	4/16/2025 9:16:31 AM
SubDirectory	PL041525	HP Acquire Method	HP Processing Method pl041425 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	Q1806-01	PL095244.D	15 Apr 2025 17:02	AR\AJ	Ok,M
23	Q1807-01	PL095245.D	15 Apr 2025 17:16	AR\AJ	Ok,M
24	Q1808-01	PL095246.D	15 Apr 2025 17:30	AR\AJ	Ok,M
25	Q1808-01MS	PL095247.D	15 Apr 2025 17:43	AR\AJ	Ok,M
26	Q1808-01MSD	PL095248.D	15 Apr 2025 17:57	AR\AJ	Ok,M
27	Q1808-03	PL095249.D	15 Apr 2025 18:10	AR\AJ	Ok,M
28	I.BLK	PL095250.D	15 Apr 2025 18:38	AR\AJ	Ok
29	PEM	PL095251.D	15 Apr 2025 18:52	AR\AJ	Ok,M
30	PSTDCCC050	PL095252.D	15 Apr 2025 19:05	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method p031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,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	PL094565.D	11 Mar 2025 09:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL094566.D	11 Mar 2025 09:55		AR\AJ	Ok
3	PEM	PEM	PL094567.D	11 Mar 2025 10:08		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL094568.D	11 Mar 2025 10:22		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL094569.D	11 Mar 2025 10:35		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL094570.D	11 Mar 2025 10:49		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL094571.D	11 Mar 2025 11:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL094572.D	11 Mar 2025 11:16		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL094573.D	11 Mar 2025 11:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL094575.D	11 Mar 2025 11:57		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL094576.D	11 Mar 2025 12:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL094577.D	11 Mar 2025 12:24		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL094578.D	11 Mar 2025 12:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL094579.D	11 Mar 2025 12:51		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL094580.D	11 Mar 2025 13:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL094581.D	11 Mar 2025 13:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL094582.D	11 Mar 2025 13:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,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	PTOXICC100	PTOXICC100	PL094583.D	11 Mar 2025 13:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL031125	PL094584.D	11 Mar 2025 13:59		AR\AJ	Ok
21	PCHLORICV500	ICVPL031125CHLOR	PL094585.D	11 Mar 2025 14:26		AR\AJ	Ok
22	PTOXICV500	ICVPL031125TOX	PL094586.D	11 Mar 2025 14:53		AR\AJ	Ok
23	I.BLK	I.BLK	PL094587.D	11 Mar 2025 17:16		AR\AJ	Ok
24	PEM	PEM	PL094588.D	11 Mar 2025 17:30		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL094589.D	11 Mar 2025 17:43		AR\AJ	Ok,M
26	PB167076BL	PB167076BL	PL094590.D	11 Mar 2025 17:57		AR\AJ	Ok
27	PB167076BS	PB167076BS	PL094591.D	11 Mar 2025 18:11		AR\AJ	Ok,M
28	PB167076BSD	PB167076BSD	PL094592.D	11 Mar 2025 18:44		AR\AJ	Ok,M
29	Q1494-01	PURGE-WATER	PL094593.D	11 Mar 2025 18:57	F Flag in TCMX for both column	AR\AJ	Not Ok
30	Q1502-11	PT-CHLR-WP	PL094594.D	11 Mar 2025 19:11	Chlordane CCAL missing , TCMX high in 2nd column	AR\AJ	Not Ok
31	Q1502-09	PT-PEST-WP	PL094595.D	11 Mar 2025 19:25	TCMX high in 1st column , Need dilution	AR\AJ	Dilution
32	Q1502-13	PT-TXP-WP	PL094596.D	11 Mar 2025 19:39	TOX CCAL missing , need dilution	AR\AJ	Not Ok
33	I.BLK	I.BLK	PL094597.D	11 Mar 2025 19:52		AR\AJ	Ok
34	PSTDCCC050	PSTDCCC050	PL094598.D	11 Mar 2025 20:06		AR\AJ	Ok,M
35	Q1539-01	TAPIAL3-MW03D-0310	PL094599.D	11 Mar 2025 20:33		AR\AJ	Ok,M
36	Q1539-02	TAPFTA-MW01I-03102	PL094600.D	11 Mar 2025 20:47		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,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			

37	PB167086BL	PB167086BL	PL094601.D	11 Mar 2025 21:01		AR\AJ	Ok
38	PB167086BS	PB167086BS	PL094602.D	11 Mar 2025 21:14	Chlordane CCAL missing	AR\AJ	Not Ok
39	PB167087BL	PB167087BL	PL094603.D	11 Mar 2025 21:28		AR\AJ	Ok
40	PB167087BS	PB167087BS	PL094604.D	11 Mar 2025 21:42	TOX CCAL missing	AR\AJ	Not Ok
41	I.BLK	I.BLK	PL094605.D	11 Mar 2025 21:55		AR\AJ	Ok
42	PEM	PEM	PL094606.D	11 Mar 2025 22:09		AR\AJ	Ok,M
43	PSTDCCC050	PSTDCCC050	PL094607.D	11 Mar 2025 22:23		AR\AJ	Ok,M
44	PB167077BL	PB167077BL	PL094608.D	11 Mar 2025 22:50		AR\AJ	Ok
45	PB167077BS	PB167077BS	PL094609.D	11 Mar 2025 23:04	Comp#2 recovery fail	AR\AJ	Not Ok
46	Q1534-01	OR-636-COMP-16	PL094610.D	11 Mar 2025 23:17		AR\AJ	Ok,M
47	Q1534-07	OR-636-COMP-17	PL094611.D	11 Mar 2025 23:31		AR\AJ	Ok,M
48	Q1534-07MS	OR-636-COMP-17MS	PL094612.D	11 Mar 2025 23:44		AR\AJ	Ok,M
49	Q1534-07MSD	OR-636-COMP-17MSD	PL094613.D	11 Mar 2025 23:58		AR\AJ	Ok,M
50	Q1534-13	OR-636-COMP-18	PL094614.D	12 Mar 2025 00:11	need dilution	AR\AJ	Dilution
51	Q1534-19	OR-636-COMP-19	PL094615.D	12 Mar 2025 00:25	need dilution	AR\AJ	Dilution
52	Q1535-01	SU-03-03102025	PL094616.D	12 Mar 2025 00:39		AR\AJ	Ok,M
53	I.BLK	I.BLK	PL094617.D	12 Mar 2025 00:53		AR\AJ	Ok
54	PSTDCCC050	PSTDCCC050	PL094618.D	12 Mar 2025 01:06		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method p031125 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	PL095126.D	09 Apr 2025 08:16		AR\AJ	Ok
2	I.BLK	I.BLK	PL095127.D	09 Apr 2025 08:29		AR\AJ	Ok
3	PEM	PEM	PL095128.D	09 Apr 2025 08:43		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095129.D	09 Apr 2025 08:57		AR\AJ	Ok,M
5	PB167473BS	PB167473BS	PL095130.D	09 Apr 2025 11:03		AR\AJ	Ok,M
6	PB167523BL	PB167523BL	PL095131.D	09 Apr 2025 12:28		AR\AJ	Ok
7	PB167523BS	PB167523BS	PL095132.D	09 Apr 2025 14:50		AR\AJ	Ok,M
8	Q1748-01	IB-1.5-WC	PL095133.D	09 Apr 2025 15:41		AR\AJ	Ok,M
9	Q1748-05	IB-2A-WC	PL095134.D	09 Apr 2025 15:54		AR\AJ	Ok,M
10	Q1754-01	TP-1	PL095135.D	09 Apr 2025 16:08		AR\AJ	Ok,M
11	Q1754-03	TP-1-CONCRETE	PL095136.D	09 Apr 2025 16:22		AR\AJ	Ok,M
12	I.BLK	I.BLK	PL095137.D	09 Apr 2025 16:36		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL095138.D	09 Apr 2025 16:49		AR\AJ	Ok,M
14	Q1749-01	TP-14	PL095139.D	09 Apr 2025 17:36		AR\AJ	Ok,M
15	Q1752-01	TP-1	PL095140.D	09 Apr 2025 17:50		AR\AJ	Ok,M
16	Q1752-03	TP-2	PL095141.D	09 Apr 2025 18:03		AR\AJ	Ok,M
17	Q1752-03MS	TP-2MS	PL095142.D	09 Apr 2025 18:17		AR\AJ	Ok,M
18	Q1752-03MSD	TP-2MSD	PL095143.D	09 Apr 2025 18:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method pl031125 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	Q1739-02	WC-LIQUID-20250404	PL095144.D	09 Apr 2025 18:45	TCMX low in both column, confirmed with MS/MSD	AR\AJ	Ok,M
20	Q1739-02MS	WC-LIQUID-20250404	PL095145.D	09 Apr 2025 18:58	TCMX low in both column , Comp#8,14,20 recovery fail	AR\AJ	Ok,M
21	Q1739-02MSD	WC-LIQUID-20250404	PL095146.D	09 Apr 2025 19:12	TCMX low in both column , Comp#8,14,20 recovery fail	AR\AJ	Ok,M
22	I.BLK	I.BLK	PL095147.D	09 Apr 2025 19:26		AR\AJ	Ok
23	PEM	PEM	PL095148.D	09 Apr 2025 19:39		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PL095149.D	09 Apr 2025 20:20		AR\AJ	Ok,M
25	Q1752-05	TP-4	PL095150.D	09 Apr 2025 20:34		AR\AJ	Ok,M
26	Q1752-07	TP-3	PL095151.D	09 Apr 2025 20:48		AR\AJ	Ok,M
27	Q1753-01	WC-1	PL095152.D	09 Apr 2025 21:02		AR\AJ	Ok
28	Q1753-05	WC-2	PL095153.D	09 Apr 2025 21:15		AR\AJ	Ok
29	PB167535BL	PB167535BL	PL095154.D	09 Apr 2025 21:29		AR\AJ	Ok
30	PB167535BS	PB167535BS	PL095155.D	09 Apr 2025 21:43	All surrogate fail , Comp#16,20 recovery fail	AR\AJ	Not Ok
31	PB167488TB	PB167488TB	PL095156.D	09 Apr 2025 21:56		AR\AJ	Ok
32	PB167517TB	PB167517TB	PL095157.D	09 Apr 2025 22:10		AR\AJ	Ok
33	Q1744-02	B-158-SB01	PL095158.D	09 Apr 2025 22:24		AR\AJ	Ok,M
34	Q1744-04	B-158-SB02	PL095159.D	09 Apr 2025 22:38		AR\AJ	Ok,M
35	Q1746-02	B-149-SB01	PL095160.D	09 Apr 2025 22:51		AR\AJ	Ok,M
36	Q1746-04	B-149-SB02	PL095161.D	09 Apr 2025 23:05		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method pl031125 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	

37	I.BLK	I.BLK	PL095162.D	09 Apr 2025 23:19		AR\AJ	Ok
38	PSTDCCC050	PSTDCCC050	PL095163.D	09 Apr 2025 23:33		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL041425

Review By	Abdul	Review On	4/15/2025 7:51:14 AM
Supervise By	mohammad	Supervise On	4/16/2025 1:08:48 AM
SubDirectory	PL041425	HP Acquire Method	HP Processing Method p041425 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	PL095201.D	14 Apr 2025 14:12		AR\AJ	Ok
2	I.BLK	I.BLK	PL095202.D	14 Apr 2025 14:26		AR\AJ	Ok
3	PEM	PEM	PL095203.D	14 Apr 2025 14:40		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095204.D	14 Apr 2025 14:54		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL095205.D	14 Apr 2025 15:07		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL095206.D	14 Apr 2025 15:21		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095207.D	14 Apr 2025 15:35		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095208.D	14 Apr 2025 16:02		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL095209.D	14 Apr 2025 16:15		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095210.D	14 Apr 2025 16:29		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095211.D	14 Apr 2025 16:43		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095212.D	14 Apr 2025 16:56		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095213.D	14 Apr 2025 17:10		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095214.D	14 Apr 2025 17:24		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL095215.D	14 Apr 2025 17:38		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095216.D	14 Apr 2025 17:51		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095217.D	14 Apr 2025 18:05		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095218.D	14 Apr 2025 18:19		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL041425

Review By	Abdul	Review On	4/15/2025 7:51:14 AM
Supervise By	mohammad	Supervise On	4/16/2025 1:08:48 AM
SubDirectory	PL041425	HP Acquire Method	HP Processing Method pl041425 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	PTOXICC100	PTOXICC100	PL095219.D	14 Apr 2025 18:32		AR\AJ	Ok
20	PSTDICV050	ICVPL041425	PL095220.D	14 Apr 2025 18:46		AR\AJ	Ok
21	PCHLORICV500	ICVPL041425CHLOR	PL095221.D	14 Apr 2025 19:00		AR\AJ	Ok
22	PTOXICV500	ICVPL041425TOX	PL095222.D	14 Apr 2025 19:13		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL041525

Review By	Abdul	Review On	4/16/2025 8:41:15 AM
Supervise By	mohammad	Supervise On	4/16/2025 9:16:31 AM
SubDirectory	PL041525	HP Acquire Method	HP Processing Method p1041425 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	PL095223.D	15 Apr 2025 10:24		AR\AJ	Ok
2	I.BLK	I.BLK	PL095224.D	15 Apr 2025 10:37		AR\AJ	Ok
3	PEM	PEM	PL095225.D	15 Apr 2025 10:51		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095226.D	15 Apr 2025 11:21		AR\AJ	Ok,M
5	Q1784-01	OR-01-41125	PL095227.D	15 Apr 2025 11:35		AR\AJ	Ok,M
6	Q1783-01	SU-03-41125	PL095228.D	15 Apr 2025 11:48		AR\AJ	Ok,M
7	Q1792-01	TR-05-041125	PL095229.D	15 Apr 2025 12:02		AR\AJ	Ok,M
8	PB167576BL	PB167576BL	PL095230.D	15 Apr 2025 12:16		AR\AJ	Ok
9	PB167576BS	PB167576BS	PL095231.D	15 Apr 2025 12:29	F Flag coming	AR\AJ	Not Ok
10	PB167535BS	PB167535BS	PL095232.D	15 Apr 2025 13:05		AR\AJ	Ok,M
11	Q1785-01	HR-02-041125	PL095233.D	15 Apr 2025 13:30		AR\AJ	Ok,M
12	Q1785-03	HR-03-041125	PL095234.D	15 Apr 2025 13:43		AR\AJ	Ok,M
13	I.BLK	I.BLK	PL095235.D	15 Apr 2025 13:57		AR\AJ	Ok
14	PSTDCCC050	PSTDCCC050	PL095236.D	15 Apr 2025 15:08		AR\AJ	Ok,M
15	PB167576BS	PB167576BS	PL095237.D	15 Apr 2025 15:22		AR\AJ	Ok,M
16	Q1787-09	TP-1	PL095238.D	15 Apr 2025 15:40		AR\AJ	Ok,M
17	Q1787-09MS	TP-1MS	PL095239.D	15 Apr 2025 15:53		AR\AJ	Ok,M
18	Q1787-09MSD	TP-1MSD	PL095240.D	15 Apr 2025 16:07		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL041525

Review By	Abdul	Review On	4/16/2025 8:41:15 AM
Supervise By	mohammad	Supervise On	4/16/2025 9:16:31 AM
SubDirectory	PL041525	HP Acquire Method	HP Processing Method pl041425 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	Q1788-01	WC-1	PL095241.D	15 Apr 2025 16:21		AR\AJ	Ok,M
20	PB167596BL	PB167596BL	PL095242.D	15 Apr 2025 16:35		AR\AJ	Ok
21	PB167596BS	PB167596BS	PL095243.D	15 Apr 2025 16:48		AR\AJ	Ok,M
22	Q1806-01	OR-03-041425	PL095244.D	15 Apr 2025 17:02		AR\AJ	Ok,M
23	Q1807-01	OK-02-041425	PL095245.D	15 Apr 2025 17:16		AR\AJ	Ok,M
24	Q1808-01	OILY-SOIL-PILE	PL095246.D	15 Apr 2025 17:30		AR\AJ	Ok,M
25	Q1808-01MS	OILY-SOIL-PILEMS	PL095247.D	15 Apr 2025 17:43		AR\AJ	Ok,M
26	Q1808-01MSD	OILY-SOIL-PILEMSD	PL095248.D	15 Apr 2025 17:57		AR\AJ	Ok,M
27	Q1808-03	LAW-25-0060	PL095249.D	15 Apr 2025 18:10		AR\AJ	Ok,M
28	I.BLK	I.BLK	PL095250.D	15 Apr 2025 18:38		AR\AJ	Ok
29	PEM	PEM	PL095251.D	15 Apr 2025 18:52		AR\AJ	Ok,M
30	PSTDCCC050	PSTDCCC050	PL095252.D	15 Apr 2025 19:05		AR\AJ	Ok,M

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 / T-2

TCLP Filter ID : 115525

Start Prep Date : 04/08/2025 Time : 16:40

End Prep Date : 04/09/2025 Time : 11:11

Combination Ratio : 20

ZHE Cleaning Batch : ⁵⁹ N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 21 °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	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Particle size reduction is not required. TUMBLER T-1 /T-2 checked,30 rpm. Q1743-04 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/09/25 12:40	<i>JP</i> / <i>100 Room</i>	<i>JP</i> / <i>1515</i>
	Preparation Group	Analysis Group

04/09/25

net 12

TCLP EXTRACTION LOGPAGE

PB167517

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
PB167517TB	LEB517	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q1743-04	TP-16	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1744-02	B-158-SB01	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1744-04	B-158-SB02	03	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1745-04	IB-6A-WC	04	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1745-12	IB-6.5-WC	05	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1746-02	B-149-SB01	06	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1746-04	B-149-SB02	07	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1748-04	IB-1.5-WC	08	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1748-08	IB-2A-WC	09	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1749-04	TP-14	10	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1752-02	TP-1	11	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q1752-04	TP-2	12	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1752-06	TP-3	13	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q1752-08	TP-4	14	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1753-04	WC-1	15	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q1753-08	WC-2	16	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1754-02	TP-1	17	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1754-04	TP-1-CONCRETE	18	100.04	2000	N/A	N/A	N/A	8.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167517TB	LEB517	N/A	N/A	N/A	N/A	N/A	N/A
Q1743-04	TP-16	N/A	N/A	N/A	N/A	100	N/A
Q1744-02	B-158-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1744-04	B-158-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1745-04	IB-6A-WC	N/A	N/A	N/A	N/A	100	N/A
Q1745-12	IB-6.5-WC	N/A	N/A	N/A	N/A	100	N/A
Q1746-02	B-149-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1746-04	B-149-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1748-04	IB-1.5-WC	N/A	N/A	N/A	N/A	100	N/A
Q1748-08	IB-2A-WC	N/A	N/A	N/A	N/A	100	N/A
Q1749-04	TP-14	N/A	N/A	N/A	N/A	100	N/A
Q1752-02	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1752-04	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1752-06	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q1752-08	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q1753-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q1753-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
Q1754-02	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1754-04	TP-1-CONCRETE	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
PB167517TB	LEB517	N/A	N/A	N/A	N/A	#1	4.93
Q1743-04	TP-16	5.02	96.5	8.2	3.0	#1	4.93
Q1744-02	B-158-SB01	5.03	96.5	6.6	2.5	#1	4.93
Q1744-04	B-158-SB02	5.02	96.5	6.4	2.5	#1	4.93
Q1745-04	IB-6A-WC	5.01	96.5	8.0	3.0	#1	4.93
Q1745-12	IB-6.5-WC	5.02	96.5	7.6	2.5	#1	4.93
Q1746-02	B-149-SB01	5.03	96.5	7.0	2.0	#1	4.93
Q1746-04	B-149-SB02	5.04	96.5	7.6	2.5	#1	4.93
Q1748-04	IB-1.5-WC	5.01	96.5	7.6	2.5	#1	4.93
Q1748-08	IB-2A-WC	5.02	96.5	8.0	3.0	#1	4.93
Q1749-04	TP-14	5.03	96.5	7.2	2.5	#1	4.93
Q1752-02	TP-1	5.02	96.5	8.0	3.0	#1	4.93
Q1752-04	TP-2	5.03	96.5	6.6	2.5	#1	4.93
Q1752-06	TP-3	5.00	96.5	5.8	2.0	#1	4.93
Q1752-08	TP-4	5.01	96.5	5.6	2.0	#1	4.93
Q1753-04	WC-1	5.02	96.5	5.5	2.0	#1	4.93
Q1753-08	WC-2	5.03	96.5	6.0	2.5	#1	4.93
Q1754-02	TP-1	5.02	96.5	7.2	2.5	#1	4.93
Q1754-04	TP-1-CONCRETE	5.03	96.5	10.5	4.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip q1748

WorkList ID : 188805

Department : TCLP Extraction

Date : 04-08-2025 12:17:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1743-04	TP-16	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L33	04/07/2025	1311
Q1744-02	B-158-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/05/2025	1311
Q1744-04	B-158-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/05/2025	1311
Q1745-04	IB-6A-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/07/2025	1311
Q1745-12	IB-6.5-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/07/2025	1311
Q1746-02	B-149-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/07/2025	1311
Q1746-04	B-149-SB02	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/08/2025	1311
Q1748-04	IB-1.5-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/08/2025	1311
Q1748-08	IB-2A-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/08/2025	1311
Q1749-04	TP-14	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/07/2025	1311
Q1752-02	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1752-04	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1752-06	TP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1752-08	TP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1753-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1753-08	WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1754-02	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1754-04	TP-1-CONCRETE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311

Date/Time 04/08/25 16:25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/08/25 18:30

Raw Sample Received by:

SOP ID:	M3510C,3580A-Extraction Pesticide-16		
Clean Up SOP #:	N/A	Extraction Start Date :	04/09/2025
Matrix :	Water	Extraction Start Time :	12:50
Weigh By:	N/A	Extraction By:	RJ
Balance check:	N/A	Extraction End Date :	04/09/2025
Balance ID:	N/A	Filter By:	RJ
pH Strlp Lot#:	E3880	Extraction End Time :	17:45
		Concentration By:	EH
		Supervisor By :	rajesh
Extraction Method:	☒ Seperatory 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	PP24217
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	E3926
Baked Na2SO4	N/A	EP2599
Hexane	N/A	E3877
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

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
04/09/25	RP (Sat 2.65)	Y-P Pest 11 CD.
17:50	Preparation Group	Analysis Group

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

Concentration Date: 04/09/2025

Sample ID	Client Sample ID	Test	g / <u>ml</u>	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167488TB	PB167488TB	TCLP Pesticide	100	6	ritesh	rajesh	10			SEP-01
PB167517TB	PB167517TB	TCLP Pesticide	100	6	ritesh	rajesh	10			2
PB167535BL	PBLK535	TCLP Pesticide	1000	6	ritesh	rajesh	10			3
PB167535BS	PLCS535	TCLP Pesticide	1000	6	ritesh	rajesh	10			4
Q1739-02	WC-LIQUID-20250404	TCLP Pesticide	100	6	ritesh	rajesh	10	A		5
Q1739-02MS	WC-LIQUID-20250404MS	TCLP Pesticide	100	6	ritesh	rajesh	10	A		6
Q1739-02MS D	WC-LIQUID-20250404MS D	TCLP Pesticide	100	6	ritesh	rajesh	10	A		7
Q1744-02	B-158-SB01	TCLP Pesticide	100	6	ritesh	rajesh	10	A		8
Q1744-04	B-158-SB02	TCLP Pesticide	100	6	ritesh	rajesh	10	A		9
Q1746-02	B-149-SB01	TCLP Pesticide	100	6	ritesh	rajesh	10	A		10
Q1746-04	B-149-SB02	TCLP Pesticide	100	6	ritesh	rajesh	10	A		11

* Extracts relinquished on the same date as received.

8/9/25

TCLP EXTRACTION LOGPAGE

PB167467

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
PB167467TB	LEB467	18	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q1712-04	Z-05A	01	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1712-08	TT-7	02	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1719-01	TP-3-1	03	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1719-02	TP-3-2	04	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1719-03	TP-3-3	05	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1719-04	TP-3-4	06	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1719-05	TP-3-5	07	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q1719-06	TP-3-6	08	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1719-07	TP-3-7	09	100.01	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q1719-08	TP-3-8	10	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1719-09	TP-3-9	11	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-2
Q1719-10	TP-3-10	12	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1719-11	TP-3-11	13	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1719-12	TP-3-12	14	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1732-04	TT-8	15	100.03	2000	N/A	N/A	N/A	8.6	1.0	T-2
Q1737-02	RT3069	16	100.02	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1740-04	TP-20	17	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2

04/07/25
11:00

TCLP EXTRACTION LOGPAGE

PB167488

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
PB167488TB	LEB488	N/A	N/A	N/A	N/A	N/A	N/A	4.94	1.0	N/A
Q1739-02	WC-LIQUID-20250404	N/A	N/A	N/A	N/A	N/A	N/A	6.6	1.5	N/A

04/07/25
12:30

TCLP EXTRACTION LOGPAGE

PB167517

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
PB167517TB	LEB517	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q1743-04	TP-16	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1744-02	B-158-SB01	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1744-04	B-158-SB02	03	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1745-04	IB-6A-WC	04	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1745-12	IB-6.5-WC	05	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1746-02	B-149-SB01	06	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1746-04	B-149-SB02	07	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1748-04	IB-1.5-WC	08	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1748-08	IB-2A-WC	09	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1749-04	TP-14	10	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1752-02	TP-1	11	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q1752-04	TP-2	12	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1752-06	TP-3	13	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q1752-08	TP-4	14	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1753-04	WC-1	15	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q1753-08	WC-2	16	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1754-02	TP-1	17	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1754-04	TP-1-CONCRETE	18	100.04	2000	N/A	N/A	N/A	8.6	1.5	T-2

04/09/25

12.40

Prep Standard - Chemical Standard Summary

Order ID : Q1746

Test : TCLP Pesticide

Prepbatch ID : PB167535,

Sequence ID/Qc Batch ID: pl040925,pl041525,

Standard ID :

EP2599,PP24095,PP24217,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,P
P24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,P
P24280,PP24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,

Chemical ID :

E3551,E3847,E3876,E3877,E3914,E3926,P12603,P12611,P13037,P13040,P13195,P13245,P13354,P13356,P13405,P
13785,P13861,P9052,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2599	04/07/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/07/2025

FROM 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

FROM 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>
465	200 PPB Pest/PCB Surrogate Spike	PP24217	03/05/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel
								03/06/2025

FROM 1.00000ml of P13354 + 999.00000ml of E3876 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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



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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u> 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

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

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	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

<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

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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

CHEMICAL RECEIPT LOG BOOK

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/05/2025	03/05/2025 / Abdul	04/22/2024 / Abdul	P13354

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

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

CHEMICAL RECEIPT LOG BOOK

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



**PRODUCTOS
QUÍMICOS
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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

Harout Sahagian **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.

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_2Cl_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 ($\mu\text{eq/g}$)	≤ 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

E 3926

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

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:

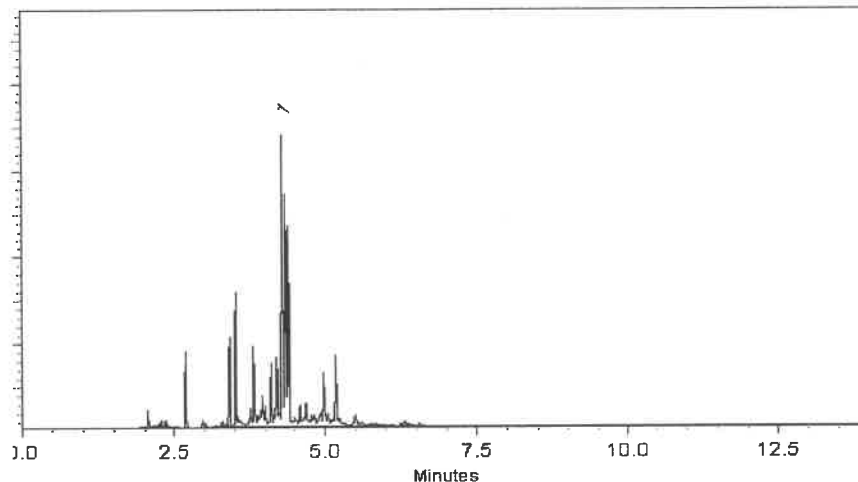
ECD

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) *Fin*

CRout
7/3/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

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

Container Size : 2 mL Pkg Amt: > 1 mL

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

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

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

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

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

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

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .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.)

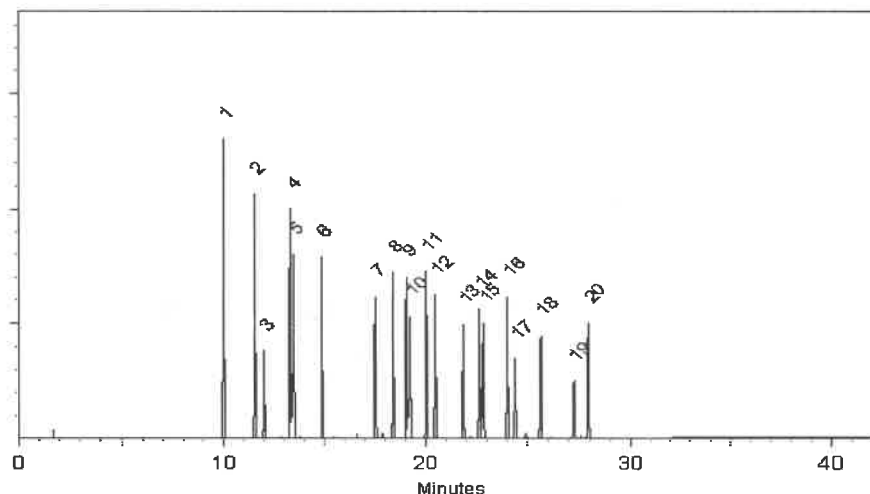
Inj. Temp:
 200°C

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.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone
Lot# 81025

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

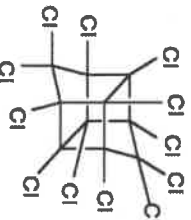
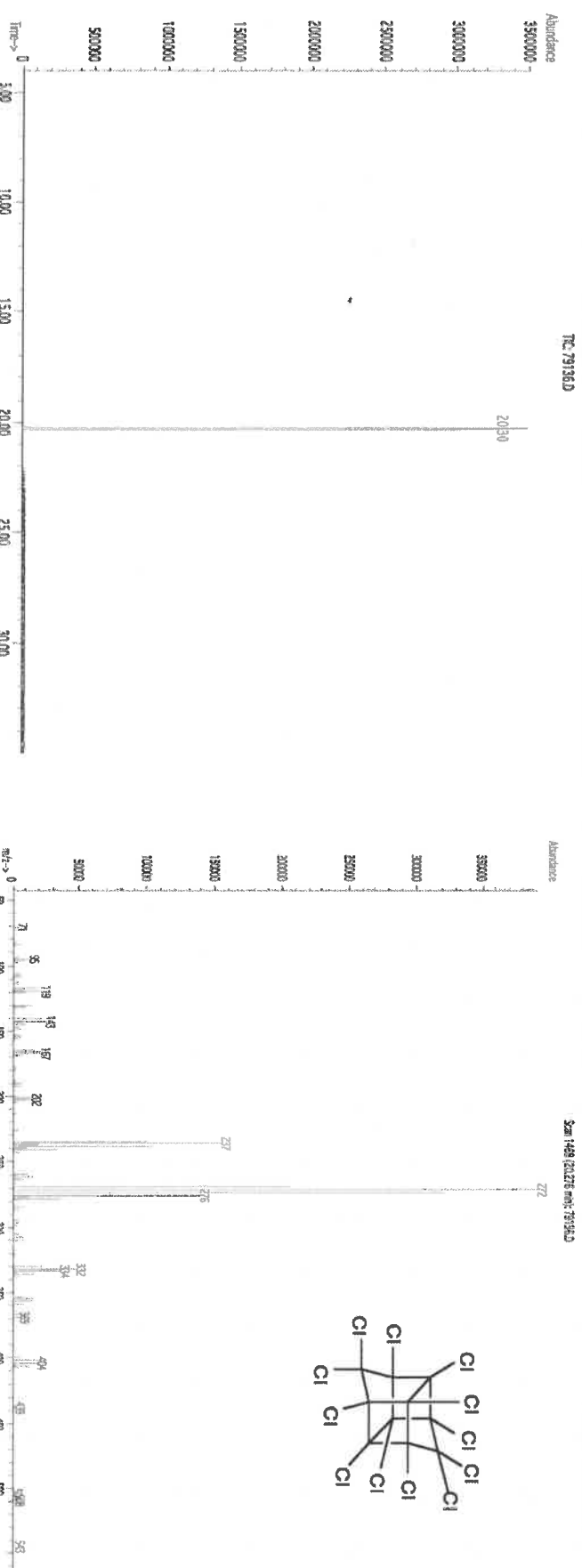
SE-05 Balance Uncertainty
0.006 Flask Uncertainty

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

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

SDS Information									
Expanded					(Solvent Safety Info. On Attached pg.)				
Compound	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Uncertainty (±) (µg/mL)	CAS#
Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3
									2385-85-5
									N/A
									or: 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.



Handwritten notes:
P13195
P13199
5
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening, sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024
JALIN

5



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

P 12603
↓
P 12605
[3]
Kauf
7/3/2023

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

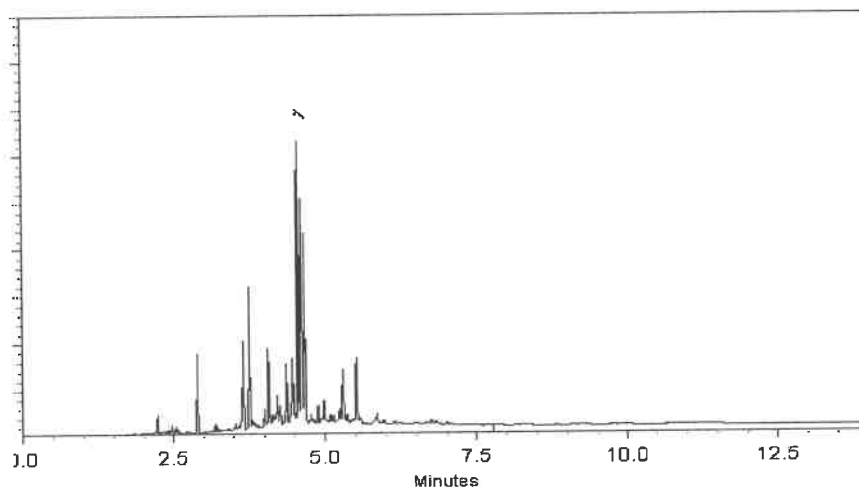
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Morgan Craighead - Mix Technician

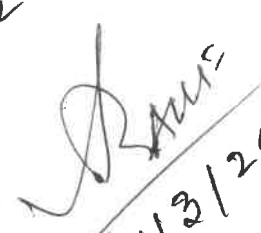
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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

P 12603 } (3)
↓
P 12605

7/3/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Organochlorine Pesticide Mix AB #1

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

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

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

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

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

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

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

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

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

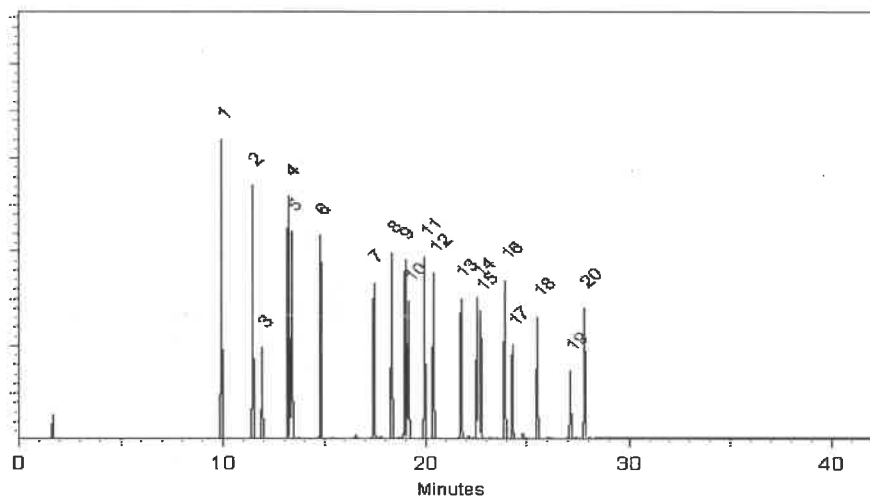
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124

CLP Pesticides & PCBs Resolution Check Standard

9 components

Solvent(s):

Lot#

Expiration Date:

013129

Hexane

273615

Recommended Storage:

Refrigerate (4 °C)

Toluene

(50%)
(50%)

Nominal Concentration (µg/mL):

Varied

28508

NIST Test ID#:

6UTB

5E-05

Balance Uncertainty

28508

Formulated By:	Lawrence Barry	013124
DATE		
Reviewed By:	Pedro L. Rentes	013124
DATE		

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

100.0

0.021

Pipette Uncertainty

Compound

Part Number

Lot Number

Dil. Factor

Initial Vol. (mL)

Uncertainty Pipette (mL)

Initial Conc. (µg/mL)

Final Conc. (µg/mL)

Expanded Uncertainty (±) µg/mL

CAS#

OSHA PEL (TWA)

LD50

SDS Information

(Solvent Safety Info. On Attached pg.)

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

P13243
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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
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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:

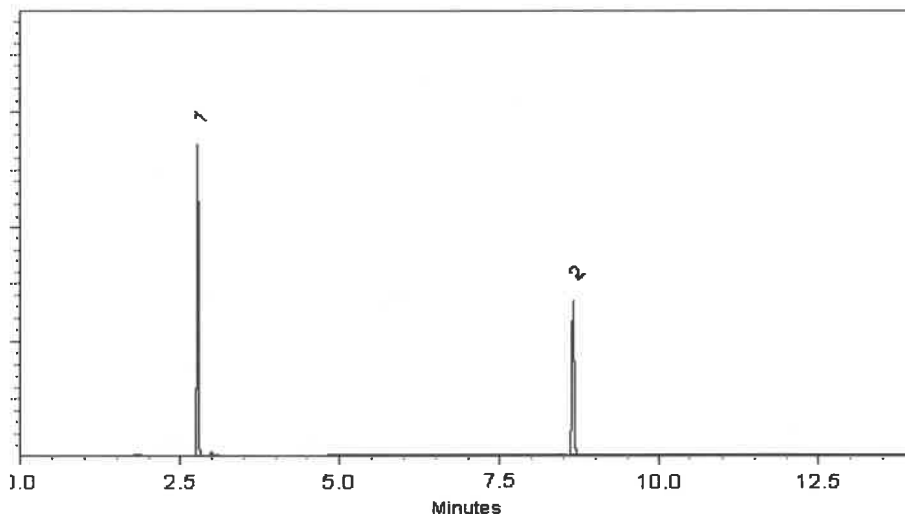
ECD

Split Vent:

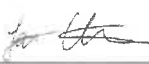
10 ml/min.

Inj. Vol

1µl

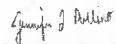


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

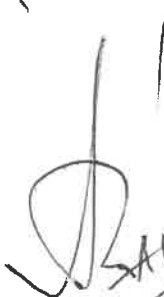
Balance Serial # 1128360905


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
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P 13357
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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.:** 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

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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:

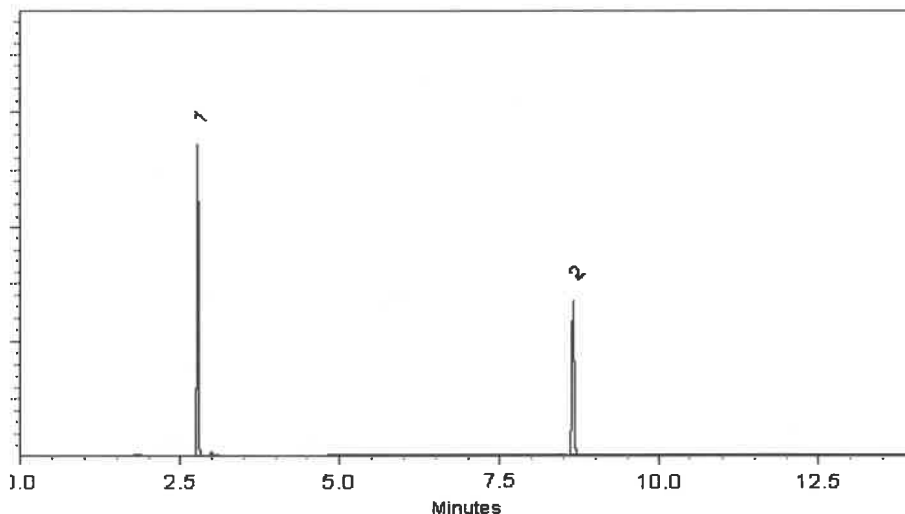
ECD

Split Vent:

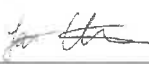
10 ml/min.

Inj. Vol

1µl

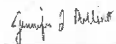


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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
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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:

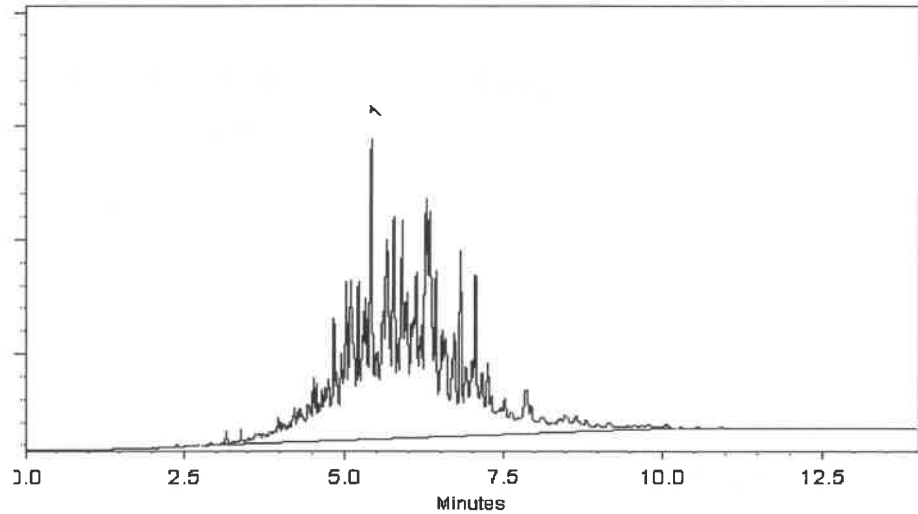
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

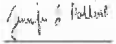


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



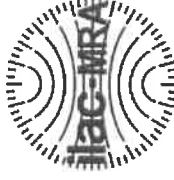
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Pesticide Surrogate Mix

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

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

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

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

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

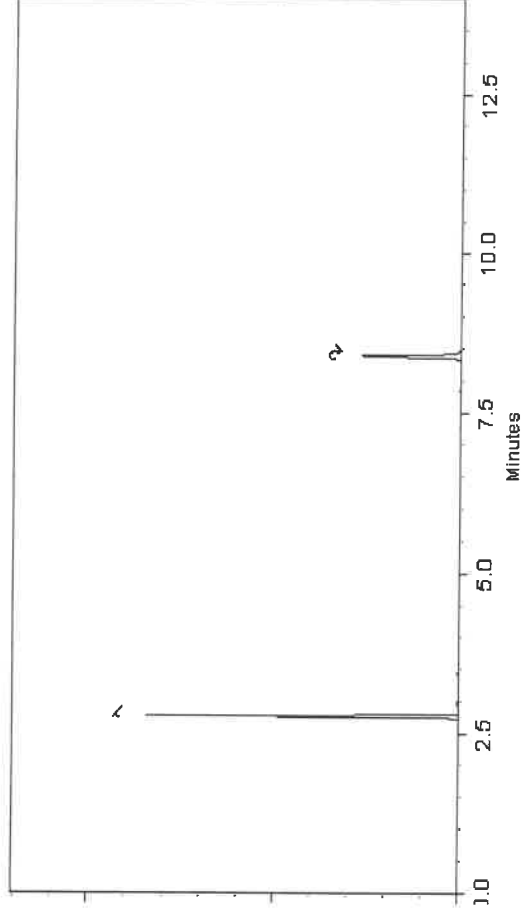
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

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

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

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

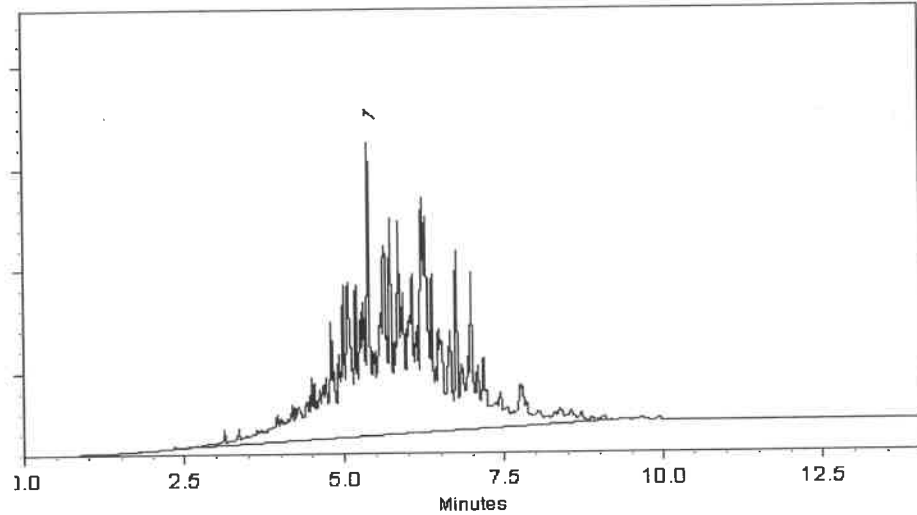
ECD

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

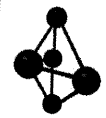

Christie Mills - Operations Lead Tech - ARM QC

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):

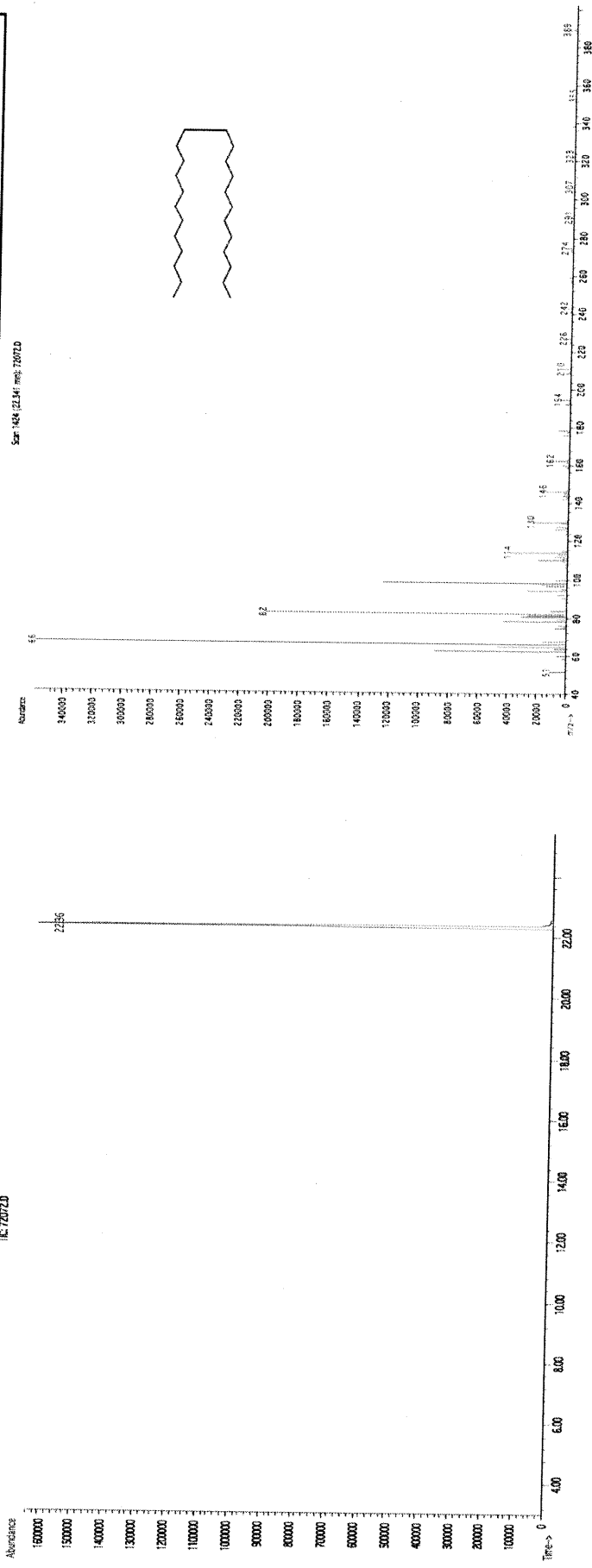
Solvent(s): **Methylene chloride**
Lot# **102669**

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

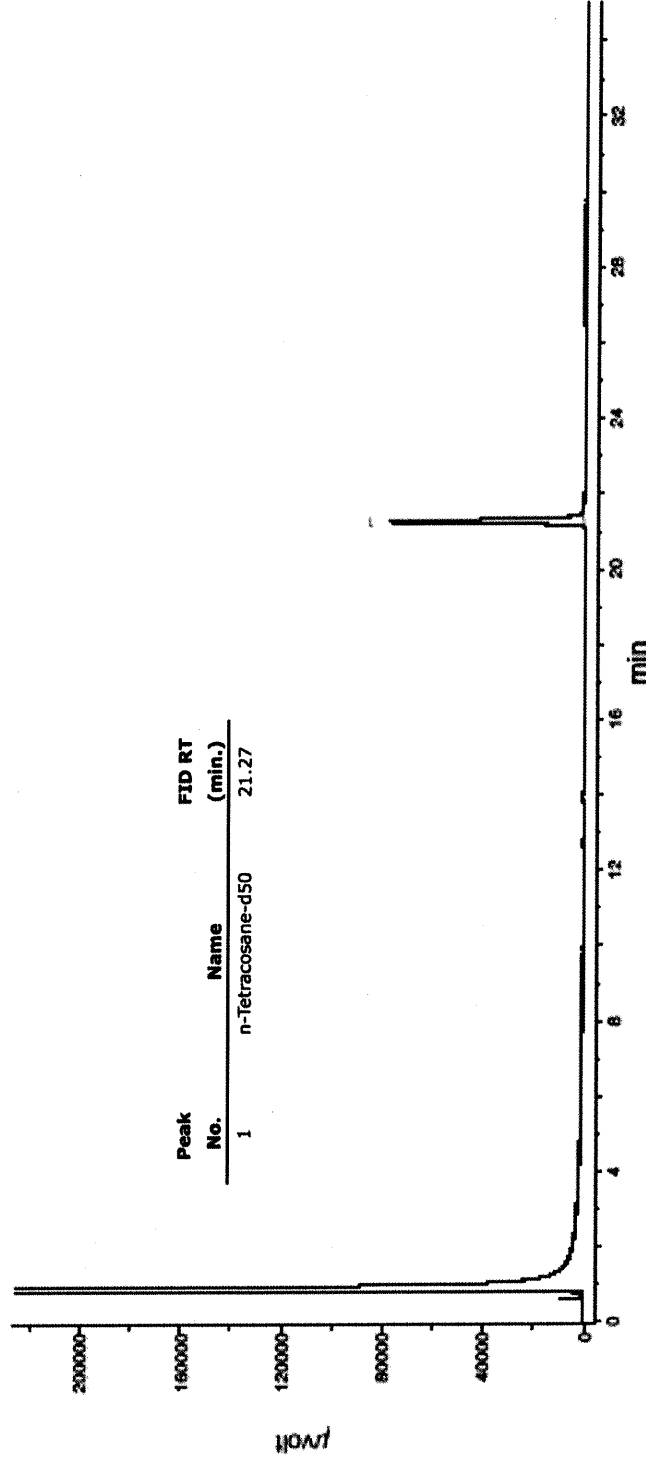
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Ave
CITY: Audobon STATE: PA ZIP: 19405
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of SB
PROJECT NO.: 9500000818 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@BEMSYS.COM
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY: Mountainside STATE: NJ ZIP: 07093
ATTENTION: Samuela Beasy PHONE: 9087883148

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. PCBs 2. TAL Metals 3. TCL-VOC+10 4. Cr(VI) Cr(III) 5. TCL-SVOCs-BVA-2B 6. EPH 7. PCRA 8. TULP 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	B-158-GW01	GW		X	4/5/25	2300	8	X	X	X	X	X	X				
2.	B-149-SB01	S		X	4/5/25	2025	9	X	X	X	X	X	X	X	X		
3.	B-149-SB02	S		X	4/6/25	110	7										
4.	B-149-GW01	GW		X	4/6/25	345	8	X	X	X	X	X	X				
5.	EB																
6.	TB				NA	NA				X							
7.	EB-2025.4.7	WQ			4/7/25	830	9	X	X	X	X	X	X				
8.	TB-2025.4.7	-			-	-				X							
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: <u>Natali Zoon</u>	DATE/TIME: <u>4-7-25</u> <u>1040</u>	RECEIVED BY: <u>CR</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.1</u> °C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Comments: <u>B-149-SB02 has limited volume</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	<u>"Adjust factor + 1"</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Page ____ of
			CLIENT: ☐ Hand Delivered ☐ Other
			Shipment Complete ☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1746	PORT06	Order Date : 4/7/2025 12:00:00 PM	Project Mgr :
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 4/7/2025 10:40:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1746-01	B-149-SB01	Solid	04/05/2025	20:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1746-03	B-149-SB02	Solid	04/06/2025	01:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1746-05	B-158-GW01	Water	04/05/2025	23:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1746-06	B-149-GW01	Water	04/05/2025 04/06/2025	03:45					
				yg 04/06/25	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1746-07	EB-2025-4-7	Water	04/07/2025	08:30					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1746-08	TB-2025-4-7	Water	04/07/2025	00:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1746	PORT06	Order Date : 4/7/2025 12:00:00 PM	Project Mgr :
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 4/7/2025 10:40:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By :

Date / Time : 4-7-25 12:55

Received By :

Date / Time : 4-7-25 12:55

Storage Area : VOA Refridgerator Room