

Cover Page

Order ID : Q2832

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q2832-01
Q2832-02
Q2832-03
Q2832-04
Q2832-05
Q2832-06
Q2832-07
Q2832-08
Q2832-09
Q2832-10

Client Sample Number

TG-S01
TG-S01
TG-S02
TG-S02
TG-S03
TG-S03
TG-S04
TG-S04
TG-S05
TG-S05

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: 8/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2832

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 08/20/2025

LAB CHRONICLE

OrderID:	Q2832	OrderDate:	8/12/2025 9:37:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	J21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2832-01	TG-S01	SOIL	PCB	8082A	08/11/25	08/13/25	08/13/25	08/12/25
Q2832-02	TG-S01	TCLP	TCLP Pesticide	8081B	08/11/25	08/15/25	08/15/25	08/12/25
Q2832-03	TG-S02	SOIL	PCB	8082A	08/11/25	08/13/25	08/13/25	08/12/25
Q2832-03DL	TG-S02DL	SOIL	PCB	8082A	08/11/25	08/13/25	08/14/25	08/12/25
Q2832-04	TG-S02	TCLP	TCLP Pesticide	8081B	08/11/25	08/15/25	08/15/25	08/12/25
Q2832-05	TG-S03	SOIL	PCB	8082A	08/11/25	08/13/25	08/13/25	08/12/25
Q2832-05DL	TG-S03DL	SOIL	PCB	8082A	08/11/25	08/13/25	08/14/25	08/12/25
Q2832-06	TG-S03	TCLP	TCLP Pesticide	8081B	08/11/25	08/15/25	08/15/25	08/12/25
Q2832-07	TG-S04	SOIL	PCB	8082A	08/11/25	08/13/25	08/13/25	08/12/25
Q2832-07DL	TG-S04DL	SOIL	PCB	8082A	08/11/25	08/13/25	08/14/25	08/12/25
Q2832-08	TG-S04	TCLP	TCLP Pesticide	8081B	08/11/25	08/15/25	08/15/25	08/12/25
Q2832-09	TG-S05	SOIL			08/12/25			08/12/25

LAB CHRONICLE

Q2832-10	TG-S05	TCLP	PCB	8082A		08/13/25	08/13/25	
			TCLP Pesticide	8081B	08/12/25	08/15/25	08/15/25	08/12/25



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

Hit Summary Sheet
SW-846

SDG No.: Q2832

Order ID: Q2832

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.: **Q2832**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD089685.D	PIBLK-PD089685.D	Decachlorobiphen	1	20	20.9	104		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	19.6	98		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.9	104		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.4	102		30 (61)	150 (148)
I.BLK-PD089913.D	PIBLK-PD089913.D	Decachlorobiphen	1	20	19.6	98		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	19.3	96		30 (61)	150 (148)
		Decachlorobiphen	2	20	23.1	116		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	24.5	123		30 (61)	150 (148)
Q2832-02	TG-S01	Decachlorobiphen	1	20	16.0	80		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	17.7	89		30 (61)	150 (148)
		Decachlorobiphen	2	20	16.5	82		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	22.6	113		30 (61)	150 (148)
Q2832-02MS	TG-S01MS	Decachlorobiphen	1	20	16.6	83		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.9	94		30 (61)	150 (148)
		Decachlorobiphen	2	20	17.4	87		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	22.7	113		30 (61)	150 (148)
Q2832-02MSD	TG-S01MSD	Decachlorobiphen	1	20	16.6	83		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.9	94		30 (61)	150 (148)
		Decachlorobiphen	2	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	22.6	113		30 (61)	150 (148)
Q2832-04	TG-S02	Decachlorobiphen	1	20	19.0	95		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	19.7	98		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.6	103		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	24.4	122		30 (61)	150 (148)
Q2832-06	TG-S03	Decachlorobiphen	1	20	16.9	84		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.3	92		30 (61)	150 (148)
		Decachlorobiphen	2	20	18.1	90		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	22.6	113		30 (61)	150 (148)
Q2832-08	TG-S04	Decachlorobiphen	1	20	18.1	90		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.7	93		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.0	100		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	23.4	117		30 (61)	150 (148)
I.BLK-PD089925.D	PIBLK-PD089925.D	Decachlorobiphen	1	20	21.0	105		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.1	100		30 (61)	150 (148)
		Decachlorobiphen	2	20	23.9	119		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	25.4	127		30 (61)	150 (148)
Q2832-10	TG-S05	Decachlorobiphen	1	20	17.3	86		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	16.9	84		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.1	100		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.2	106		30 (61)	150 (148)
I.BLK-PD089934.D	PIBLK-PD089934.D	Decachlorobiphen	1	20	21.5	107		30 (57)	150 (171)

Surrogate Summary

SDG No.: Q2832

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD089934.D	PIBLK-PD089934.D	Tetrachloro-m-xyl	1	20	20.1	100		30 (61)	150 (148)
		Decachlorobiphen	2	20	23.5	118		30 (57)	150 (171)
PB169263BL	PB169263BL	Tetrachloro-m-xyl	2	20	24.9	125		30 (61)	150 (148)
		Decachlorobiphen	1	20	22.3	112		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.4	102		30 (61)	150 (148)
		Decachlorobiphen	2	20	26.0	130		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	26.3	131		30 (61)	150 (148)
		Decachlorobiphen	1	20	19.7	98		30 (57)	150 (171)
PB169263BS	PB169263BS	Tetrachloro-m-xyl	1	20	17.6	88		30 (61)	150 (148)
		Decachlorobiphen	2	20	22.7	114		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	22.5	112		30 (61)	150 (148)
		Decachlorobiphen	1	20	21.3	106		30 (57)	150 (171)
PB169212TB	PB169212TB	Tetrachloro-m-xyl	1	20	19.4	97		30 (61)	150 (148)
		Decachlorobiphen	2	20	24.9	125		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	25.0	125		30 (61)	150 (148)
		Decachlorobiphen	1	20	19.3	97		30 (57)	150 (171)
I.BLK-PD089945.D	PIBLK-PD089945.D	Tetrachloro-m-xyl	1	20	19.3	97		30 (61)	150 (148)
		Decachlorobiphen	2	20	22.7	114		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	25.1	126		30 (61)	150 (148)
		Decachlorobiphen	1	20	19.3	97		30 (57)	150 (171)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2832</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PD089920.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2832-02MS	Client Sample ID:		TG-S01MS								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	5.10	ug/L	102					30 (60)	150 (152)
	Heptachlor	5	0	4.60	ug/L	92					30 (56)	150 (147)
	Heptachlor epoxide	5	0	4.70	ug/L	94					30 (77)	150 (143)
	Endrin	5	0	4.70	ug/L	94					30 (76)	150 (144)
	Methoxychlor	5	0	4.30	ug/L	86					30 (70)	150 (142)
Lab Sample ID:	Q2832-02MS	Client Sample ID:		TG-S01MS								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	5.90	ug/L	118					30 (60)	150 (152)
	Heptachlor	5	0	5.40	ug/L	108					30 (56)	150 (147)
	Heptachlor epoxide	5	0	5.80	ug/L	116					30 (77)	150 (143)
	Endrin	5	0	5.60	ug/L	112					30 (76)	150 (144)
	Methoxychlor	5	0	5.30	ug/L	106					30 (70)	150 (142)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2832</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PD089921.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits	
			Result				Qual	RPD	Qual		High	RPD
Lab Sample ID:	Q2832-02MSD	Client Sample ID:		TG-S01MSD								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	5.10	ug/L	102		0		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.60	ug/L	92		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	4.80	ug/L	96		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.70	ug/L	94		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.30	ug/L	86		0		30 (70)	150 (142)	20 (20)
Lab Sample ID:	Q2832-02MSD	Client Sample ID:		TG-S01MSD								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	5.90	ug/L	118		0		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.50	ug/L	110		2		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.80	ug/L	116		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.80	ug/L	116		4		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.40	ug/L	108		2		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2832</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	Datafile :	<u>PD089937.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169263BS (Column 1)	gamma-BHC (Lindane)	0.5	0.48	ug/L	96				40 (82)	140 (129)	
	Heptachlor	0.5	0.47	ug/L	94				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.47	ug/L	94				40 (81)	140 (124)	
	Endrin	0.5	0.46	ug/L	91				40 (81)	140 (128)	
	Methoxychlor	0.5	0.44	ug/L	87				40 (78)	140 (108)	
PB169263BS (Column 2)	gamma-BHC (Lindane)	0.5	0.58	ug/L	115				40 (82)	140 (129)	
	Heptachlor	0.5	0.56	ug/L	113				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.57	ug/L	115				40 (81)	140 (124)	
	Endrin	0.5	0.57	ug/L	114				40 (81)	140 (128)	
	Methoxychlor	0.5	0.56	ug/L	113				40 (78)	140 (108)	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169263BL

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Lab Sample ID: PB169263BL

Lab File ID: PD089936.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 08/15/2025

Date Analyzed (1): 08/15/2025

Date Analyzed (2): 08/15/2025

Time Analyzed (1): 21:34

Time Analyzed (2): 21:34

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
TG-S01	Q2832-02	PD089919.D	08/15/2025	08/15/2025
TG-S01MS	Q2832-02MS	PD089920.D	08/15/2025	08/15/2025
TG-S01MSD	Q2832-02MSD	PD089921.D	08/15/2025	08/15/2025
TG-S02	Q2832-04	PD089922.D	08/15/2025	08/15/2025
TG-S03	Q2832-06	PD089923.D	08/15/2025	08/15/2025
TG-S04	Q2832-08	PD089924.D	08/15/2025	08/15/2025
TG-S05	Q2832-10	PD089928.D	08/15/2025	08/15/2025
PB169263BS	PB169263BS	PD089937.D	08/15/2025	08/15/2025
PB169212TB	PB169212TB	PD089938.D	08/15/2025	08/15/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/15/25
Client Sample ID:	PB169212TB	SDG No.:	Q2832
Lab Sample ID:	PB169212TB	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089938.D	1	08/15/25 09:50	08/15/25 22:02	PB169263

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	0.0017	U	0.0017	0.010	mg/L
57-74-9	Chlordane	0.074	U	0.074	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.9		30 (57) - 150 (171)	125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.0		30 (61) - 150 (148)	125%	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_D\Data\PD081625\
Data File : PD089938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 22:02
Operator : AR\AJ
Sample : PB169212TB
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169212TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:54:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	47921637	395.6E6	19.428	24.977 #
28)	SA Decachlor...	9.068	8.065	79067180	499.9E6	21.276	24.899

Target Compounds

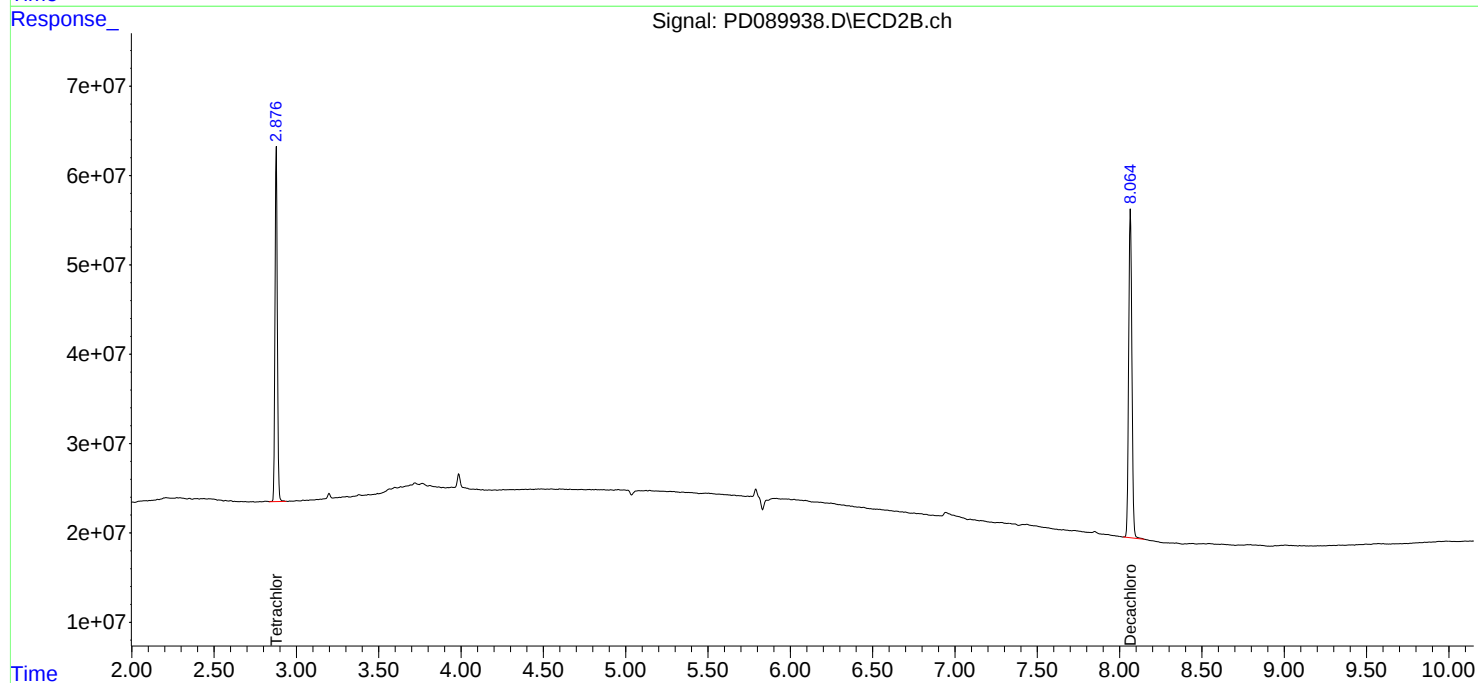
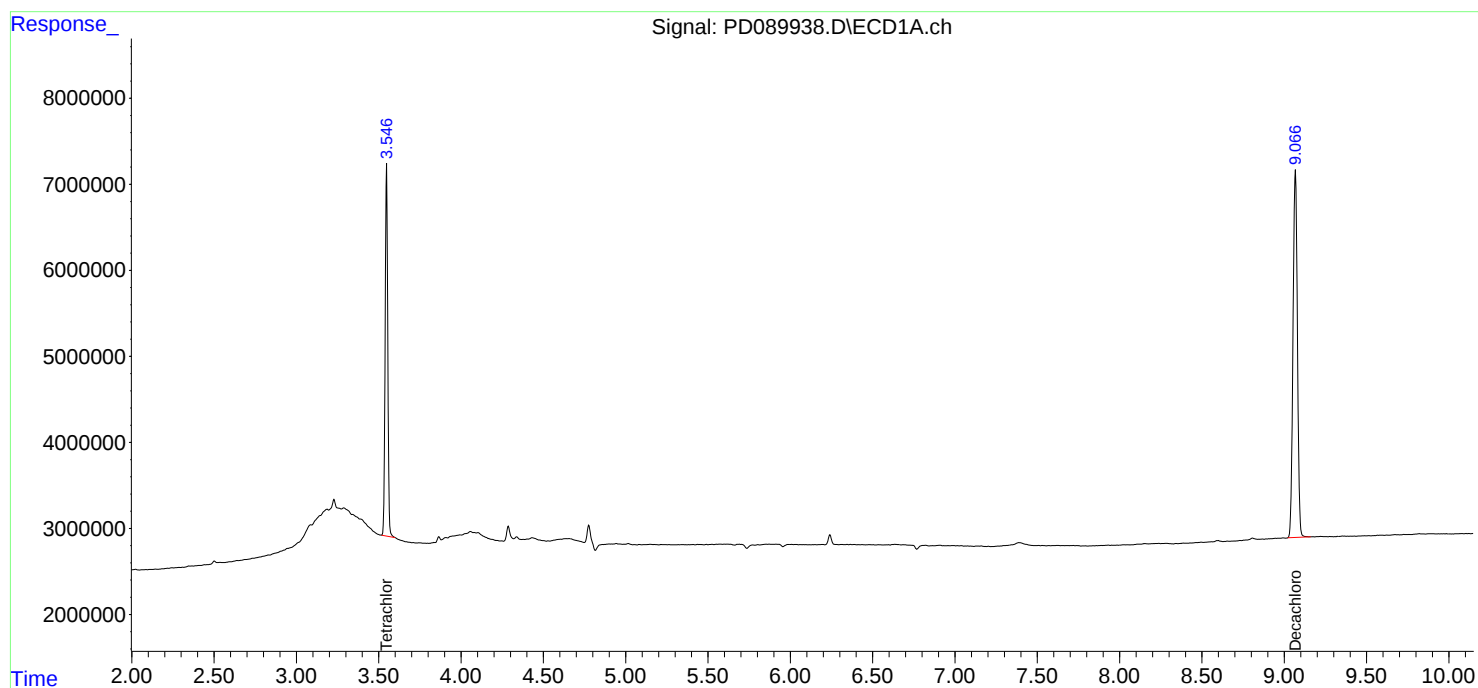
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

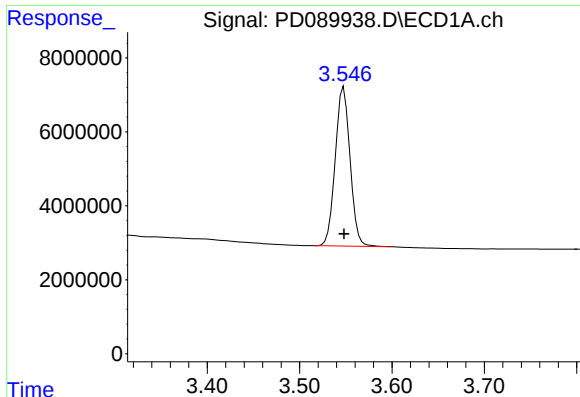
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 22:02
Operator : AR\AJ
Sample : PB169212TB
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169212TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:54:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

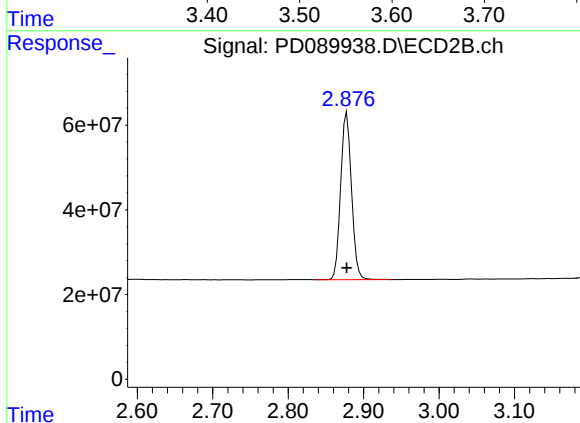




#1 Tetrachloro-m-xylene

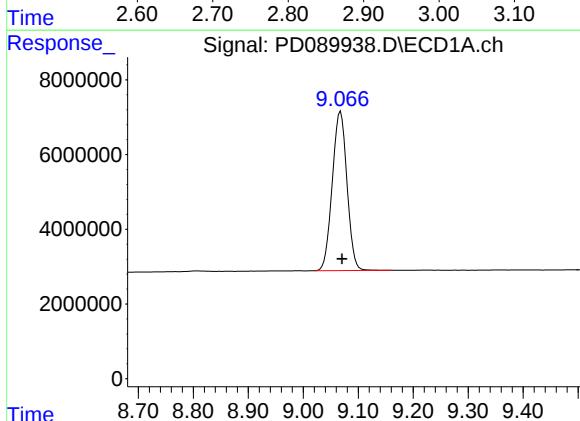
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 47921637
Conc: 19.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169212TB



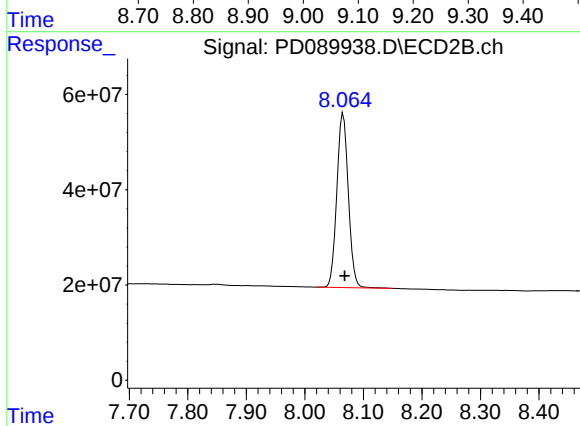
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 395577221
Conc: 24.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 79067180
Conc: 21.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 499916255
Conc: 24.90 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01	SDG No.:	Q2832
Lab Sample ID:	Q2832-02	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089919.D	1	08/15/25 09:50	08/15/25 16:43	PB169263

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	16.5		30 (57) - 150 (171)	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		30 (61) - 150 (148)	113%	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_D\Data\PD081625\
Data File : PD089919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:43
Operator : AR\AJ
Sample : Q2832-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:51:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	43653891	357.5E6	17.698	22.573 #
28)	SA Decachlor...	9.068	8.066	59482474	330.8E6	16.006	16.474

Target Compounds

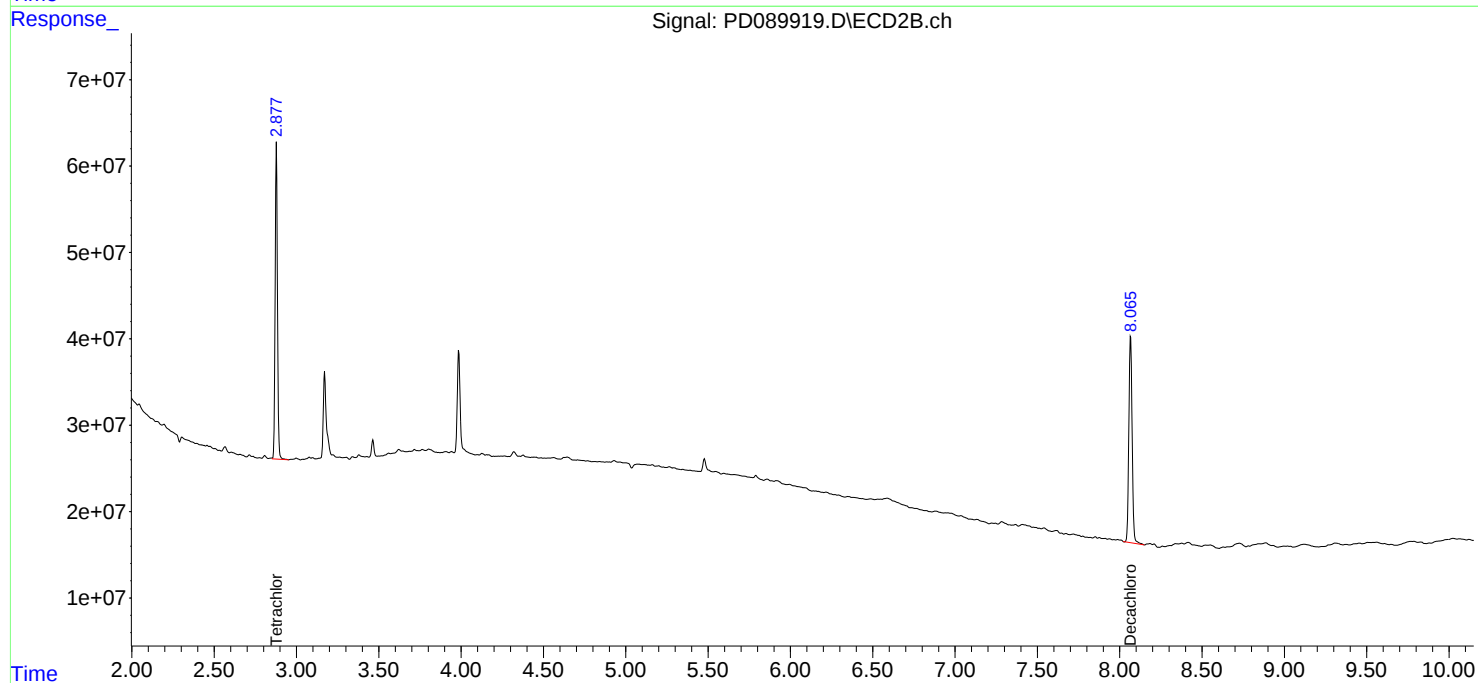
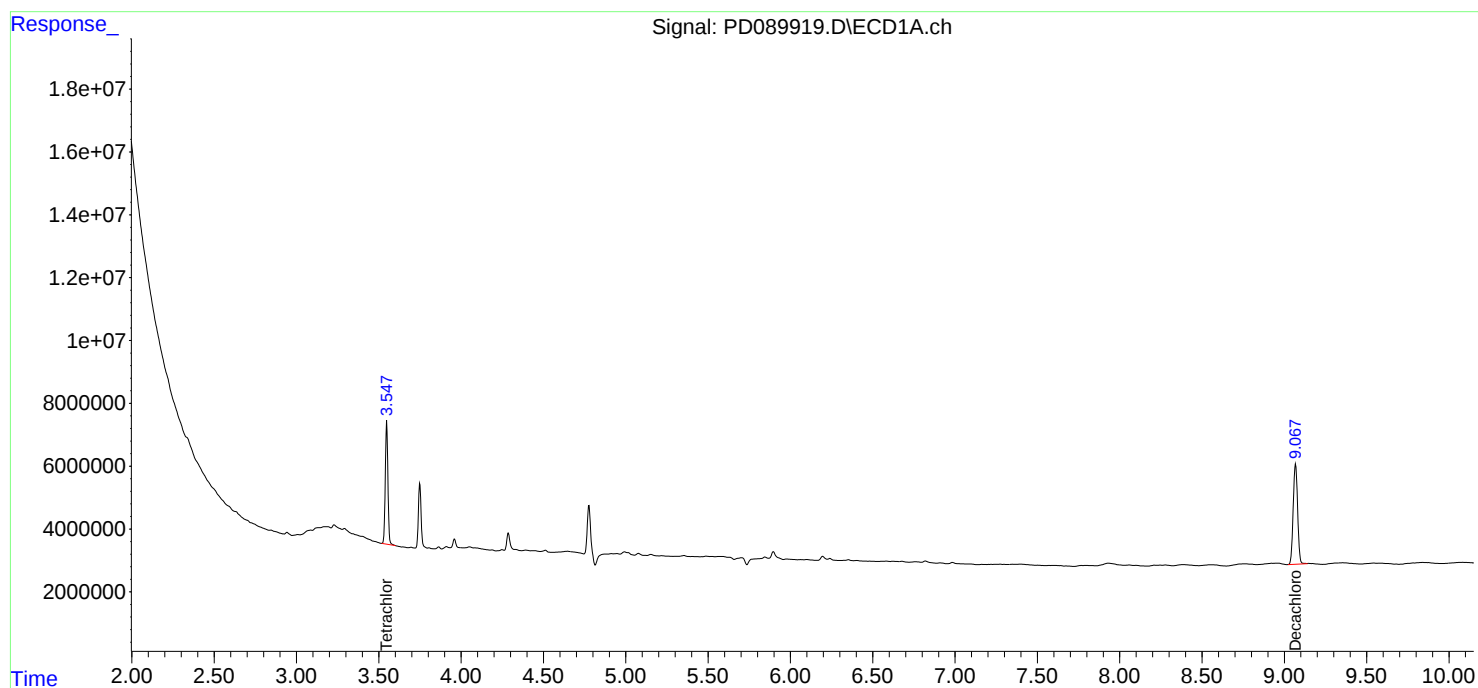
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

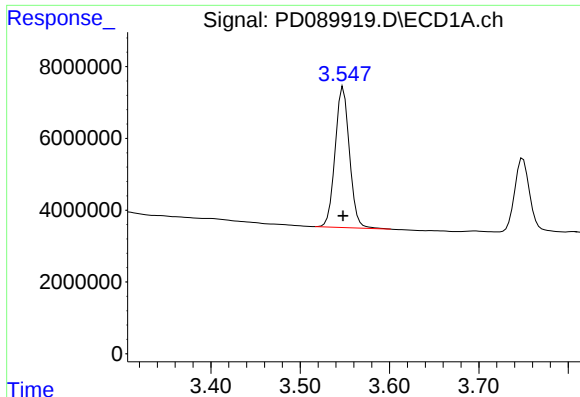
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:43
Operator : AR\AJ
Sample : Q2832-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:51:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

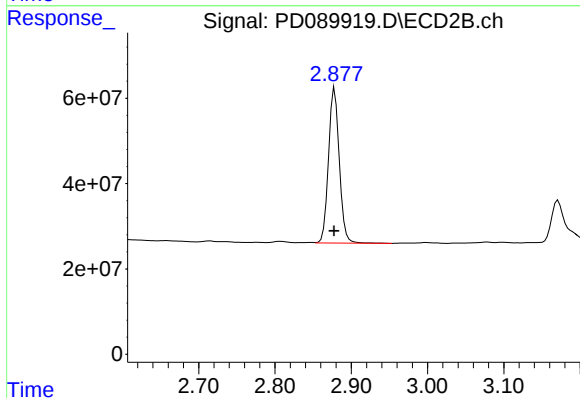




#1 Tetrachloro-m-xylene

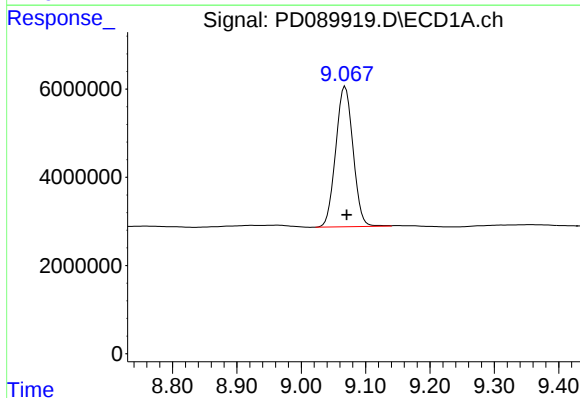
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 43653891
Conc: 17.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S01



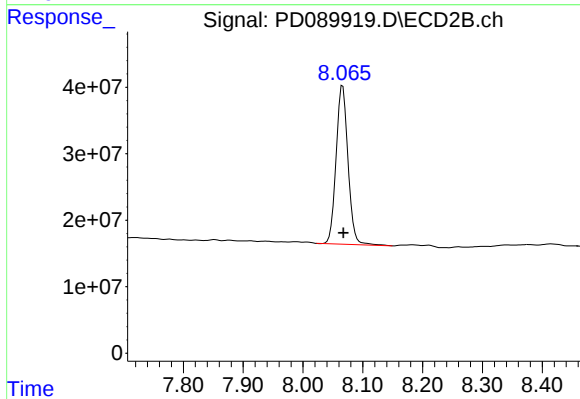
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 357507666
Conc: 22.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.002 min
Response: 59482474
Conc: 16.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.001 min
Response: 330756597
Conc: 16.47 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S02	SDG No.:	Q2832
Lab Sample ID:	Q2832-04	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089922.D	1	08/15/25 09:50	08/15/25 17:39	PB169263

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	20.6		30 (57) - 150 (171)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.4		30 (61) - 150 (148)	122%	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_D\Data\PD081625\
Data File : PD089922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:39
Operator : AR\AJ
Sample : Q2832-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:51:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.556	2.877	48482171	386.6E6	19.656	24.407
28)	SA Decachlor...	9.078	8.069	70622819	414.4E6	19.004	20.641

Target Compounds

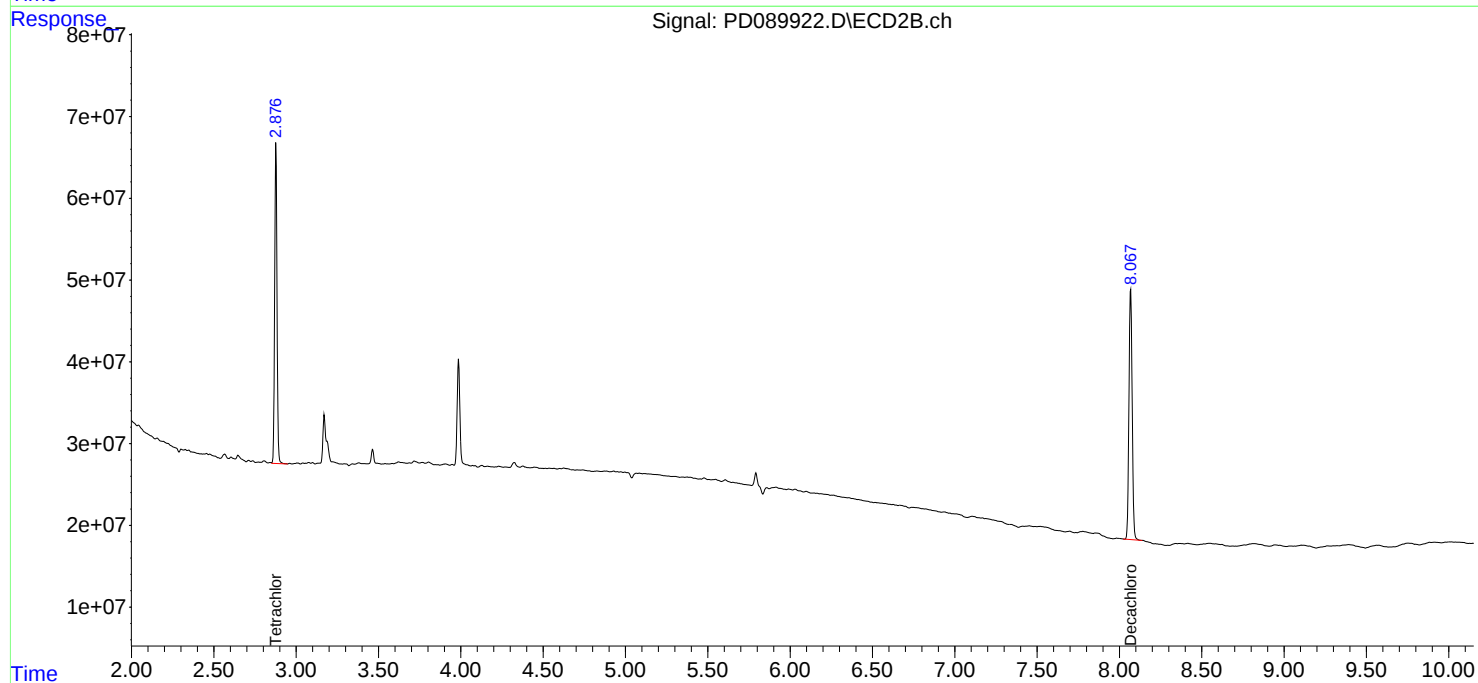
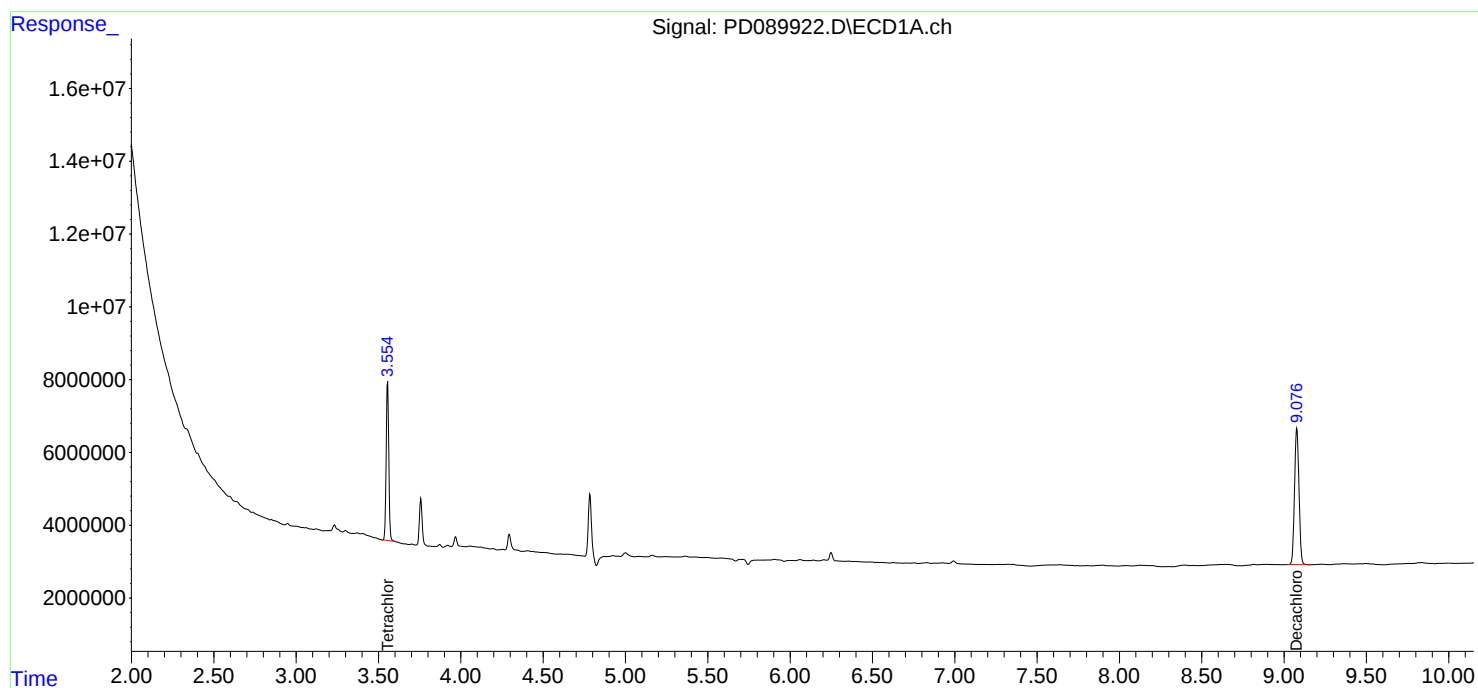
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

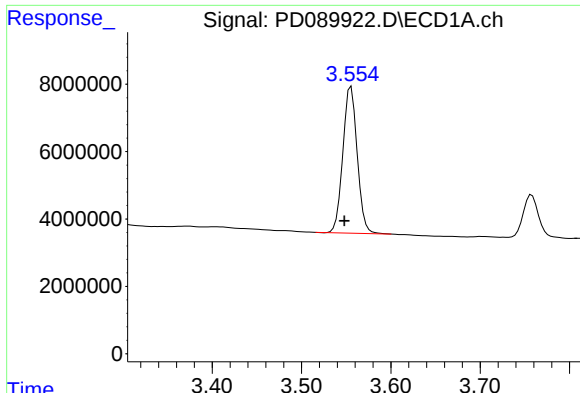
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:39
Operator : AR\AJ
Sample : Q2832-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:51:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

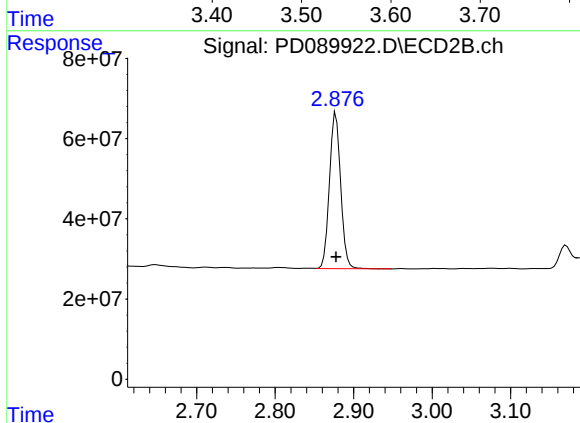




#1 Tetrachloro-m-xylene

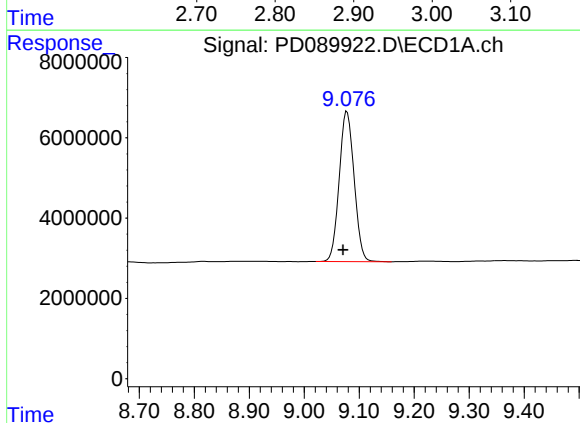
R.T.: 3.556 min
Delta R.T.: 0.008 min
Response: 48482171
Conc: 19.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S02



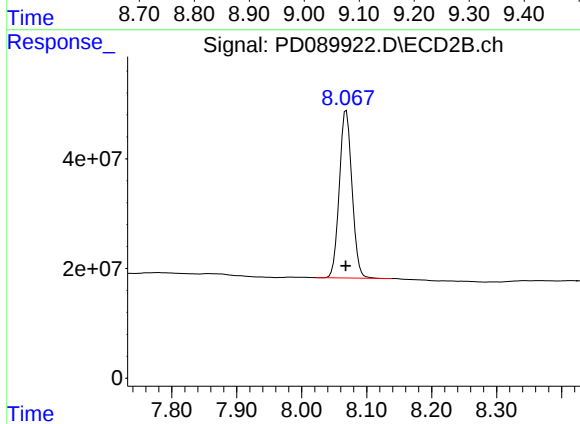
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 386552983
Conc: 24.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.007 min
Response: 70622819
Conc: 19.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 414430617
Conc: 20.64 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S03	SDG No.:	Q2832
Lab Sample ID:	Q2832-06	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089923.D	1	08/15/25 09:50	08/15/25 17:52	PB169263

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	18.1		30 (57) - 150 (171)	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		30 (61) - 150 (148)	113%	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_D\Data\PD081625\
Data File : PD089923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:52
Operator : AR\AJ
Sample : Q2832-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S03

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:51:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.878	45153923	358.2E6	18.306	22.620
28)	SA Decachlor...	9.070	8.067	62635978	363.3E6	16.855	18.092

Target Compounds

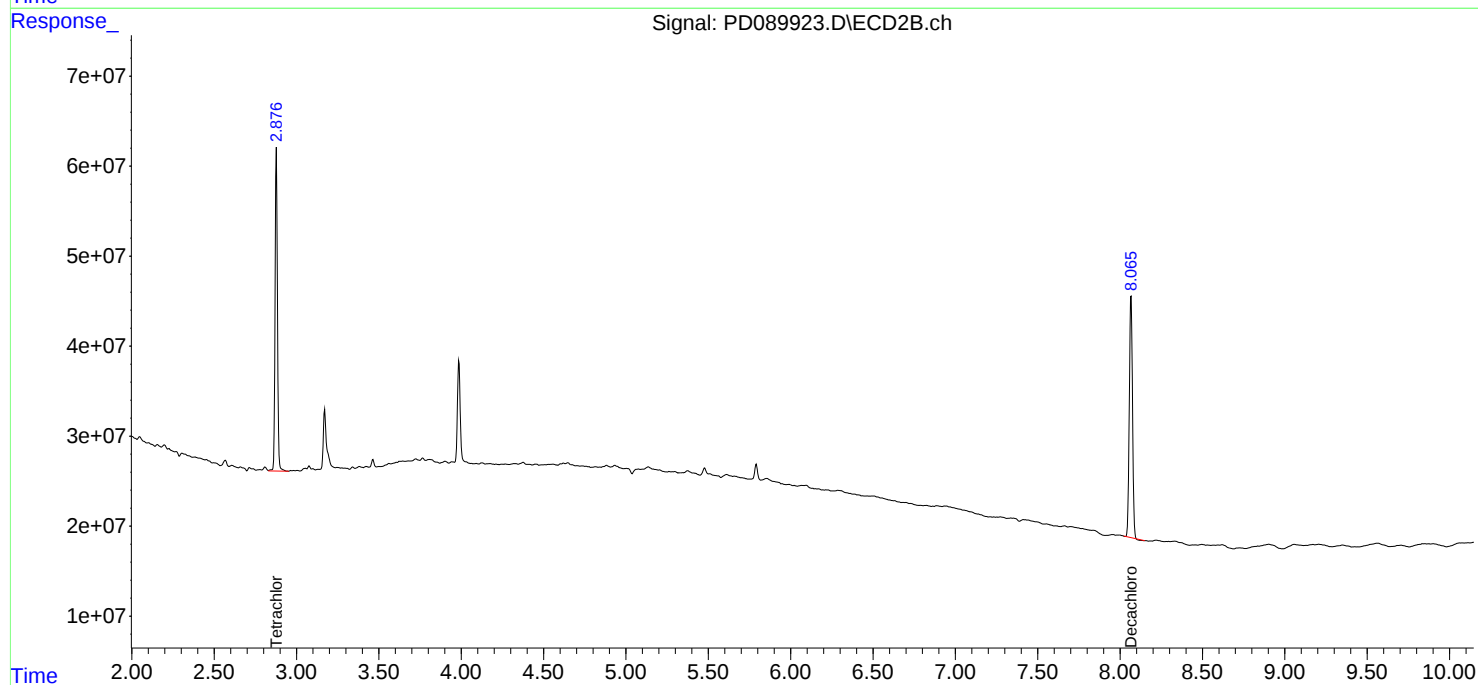
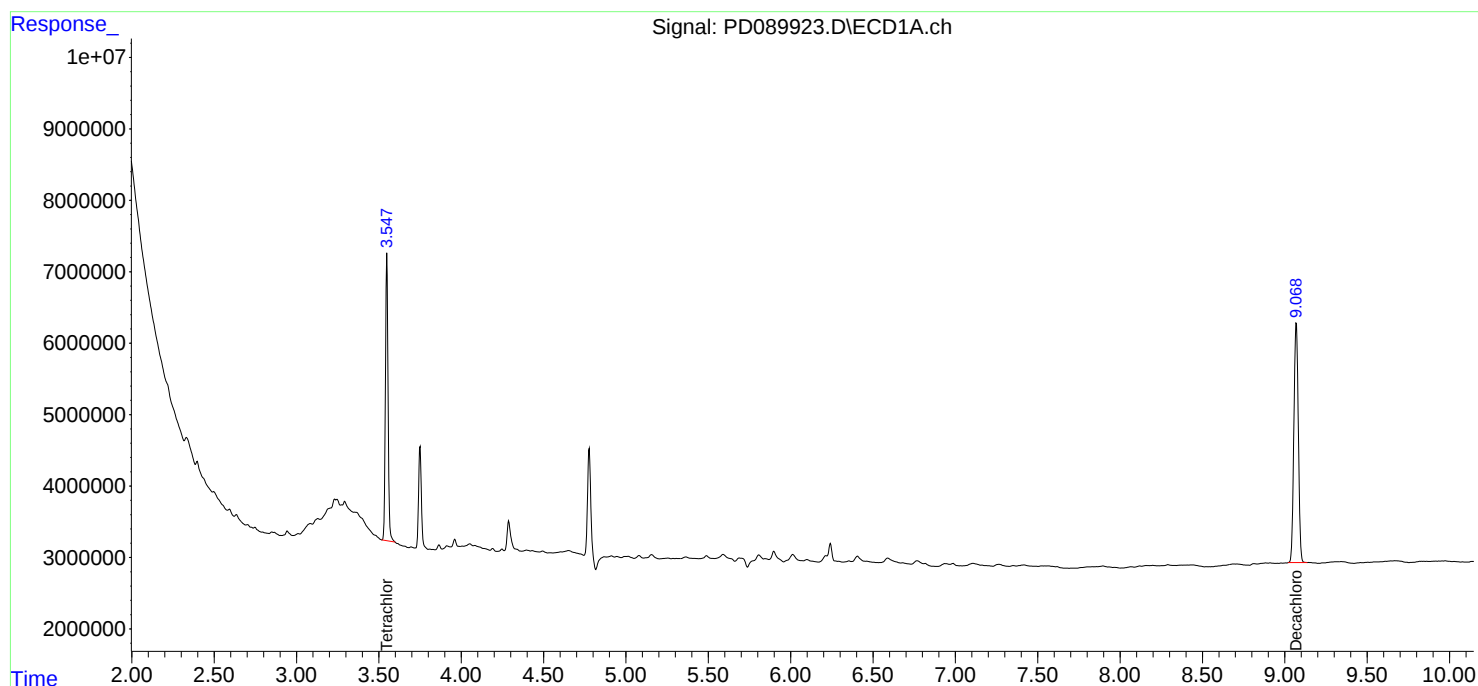
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

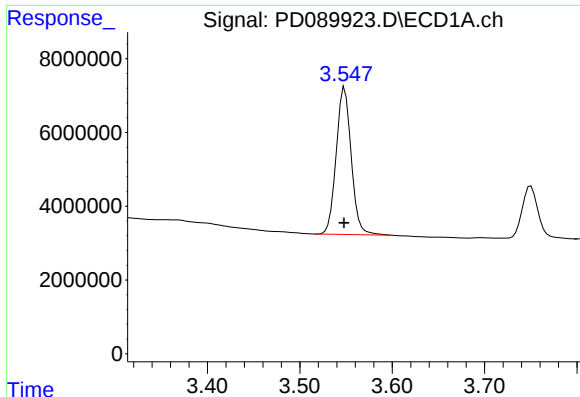
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:52
Operator : AR\AJ
Sample : Q2832-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S03

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:51:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

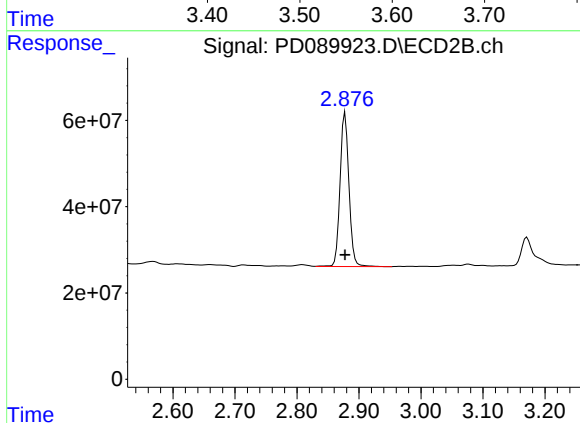




#1 Tetrachloro-m-xylene

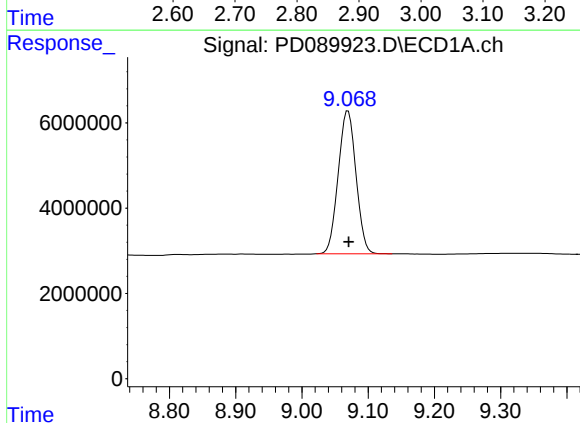
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45153923
Conc: 18.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S03



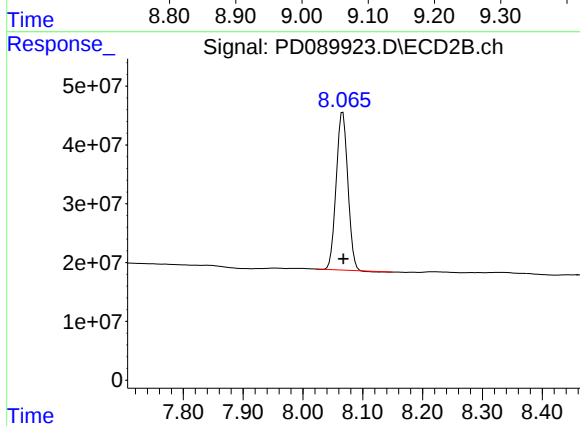
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 358246528
Conc: 22.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 62635978
Conc: 16.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.001 min
Response: 363251058
Conc: 18.09 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S04	SDG No.:	Q2832
Lab Sample ID:	Q2832-08	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089924.D	1	08/15/25 09:50	08/15/25 18:06	PB169263

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	20.0		30 (57) - 150 (171)	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		30 (61) - 150 (148)	117%	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_D\Data\PD081625\
Data File : PD089924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:06
Operator : AR\AJ
Sample : Q2832-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S04

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:52:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	46086824	370.9E6	18.684	23.420 #
28)	SA Decachlor...	9.068	8.066	67218364	401.6E6	18.088	20.003

Target Compounds

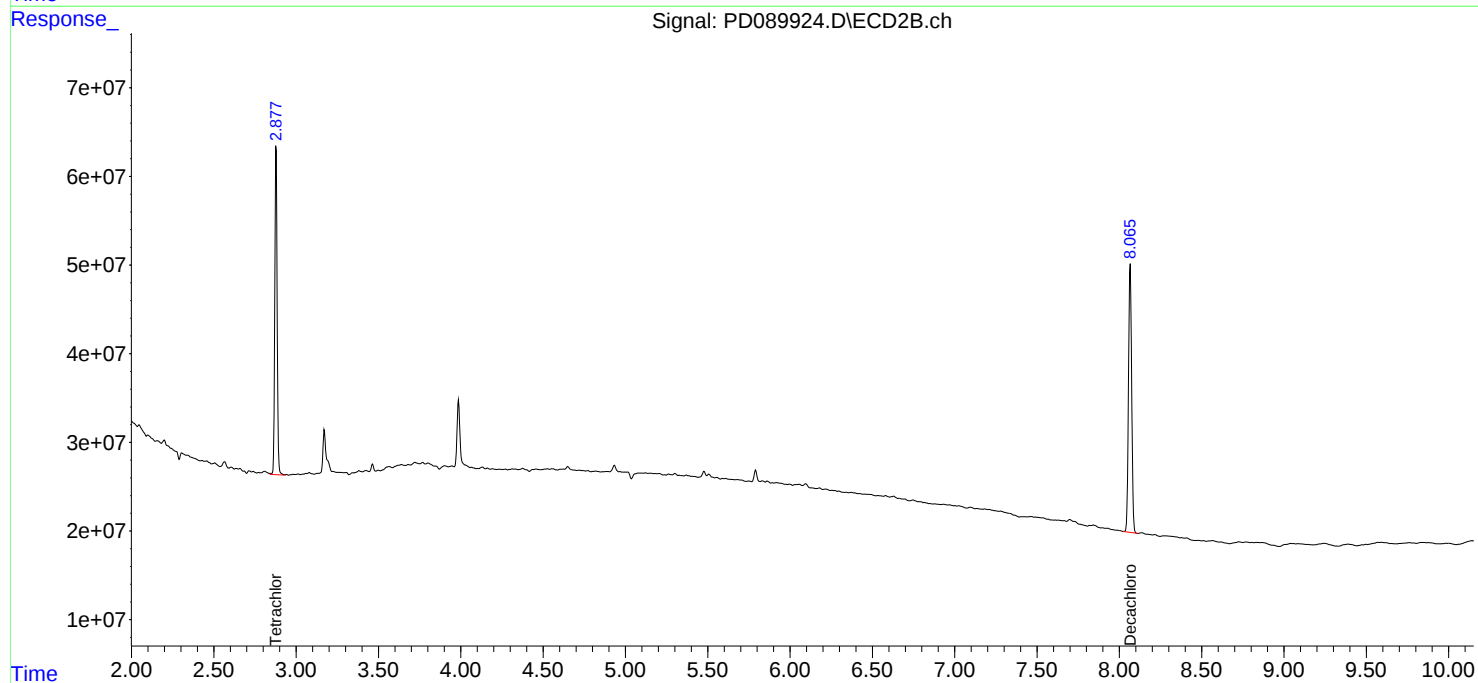
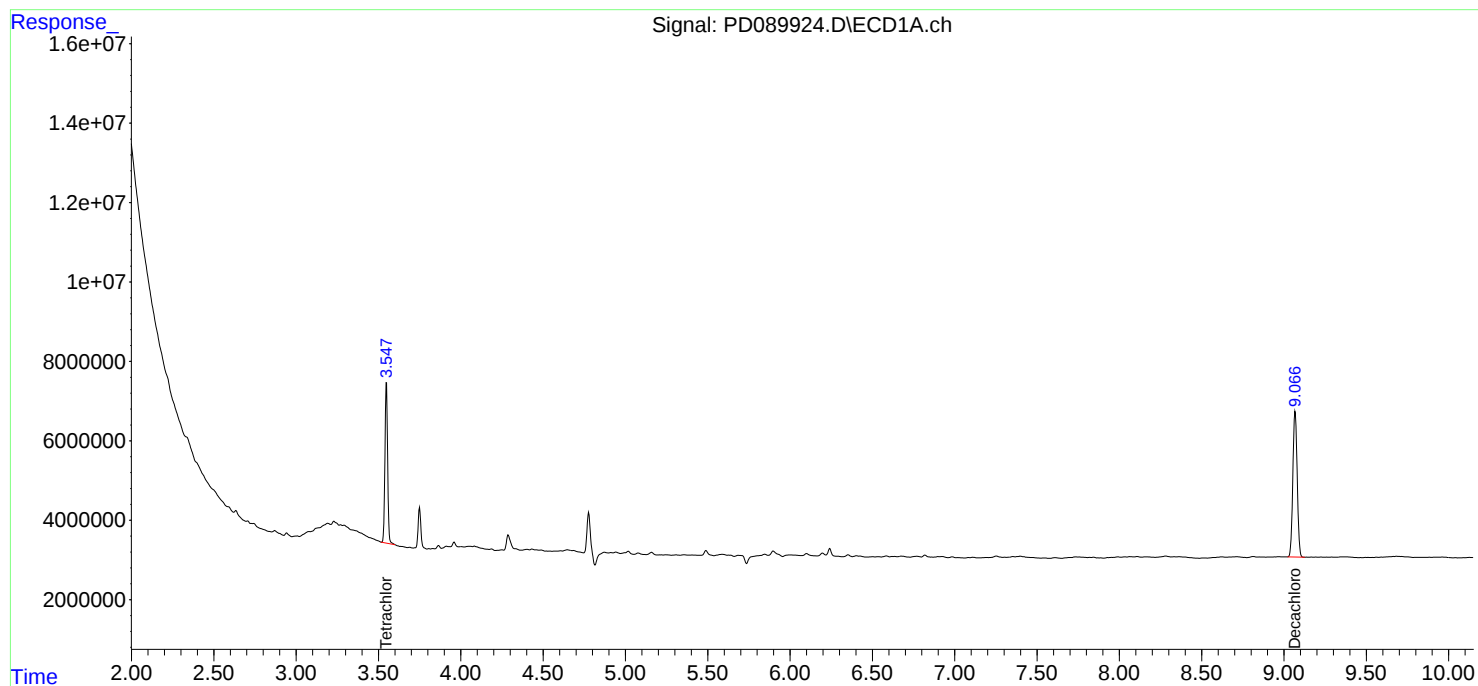
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

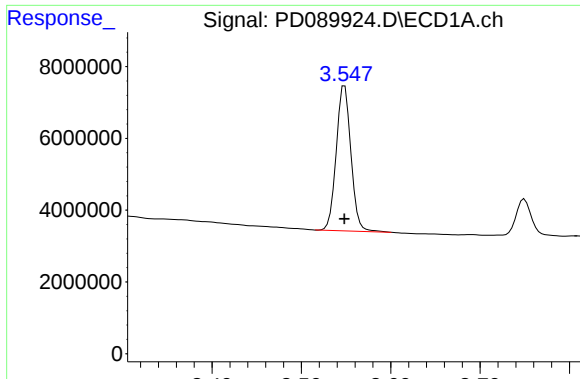
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:06
Operator : AR\AJ
Sample : Q2832-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S04

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:52:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

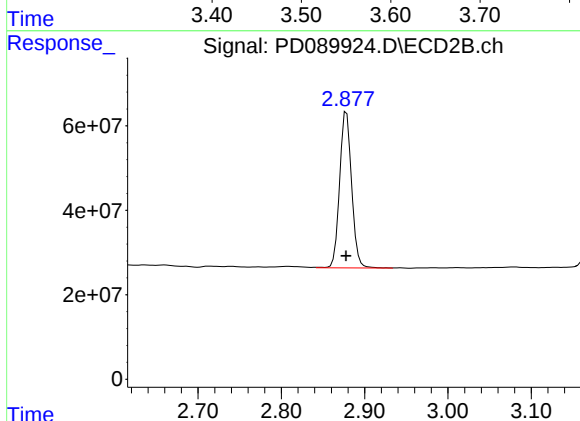




#1 Tetrachloro-m-xylene

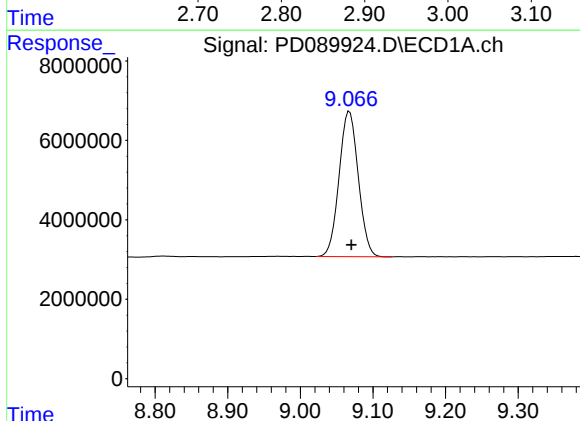
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 46086824
Conc: 18.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S04



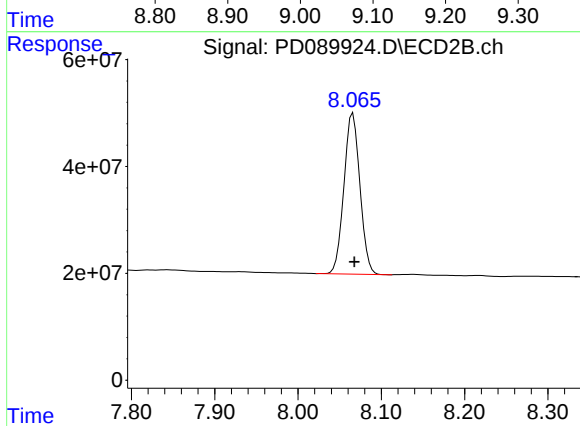
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 370923278
Conc: 23.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 67218364
Conc: 18.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 401612323
Conc: 20.00 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S05	SDG No.:	Q2832
Lab Sample ID:	Q2832-10	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089928.D	1	08/15/25 09:50	08/15/25 19:04	PB169263

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	20.1		30 (57) - 150 (171)	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		30 (61) - 150 (148)	106%	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_D\Data\PD081625\
Data File : PD089928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:04
Operator : AR\AJ
Sample : Q2832-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S05

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:52:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.878	41671695	336.0E6	16.894	21.215 #
28)	SA Decachlor...	9.073	8.067	64281422	402.9E6	17.297	20.068

Target Compounds

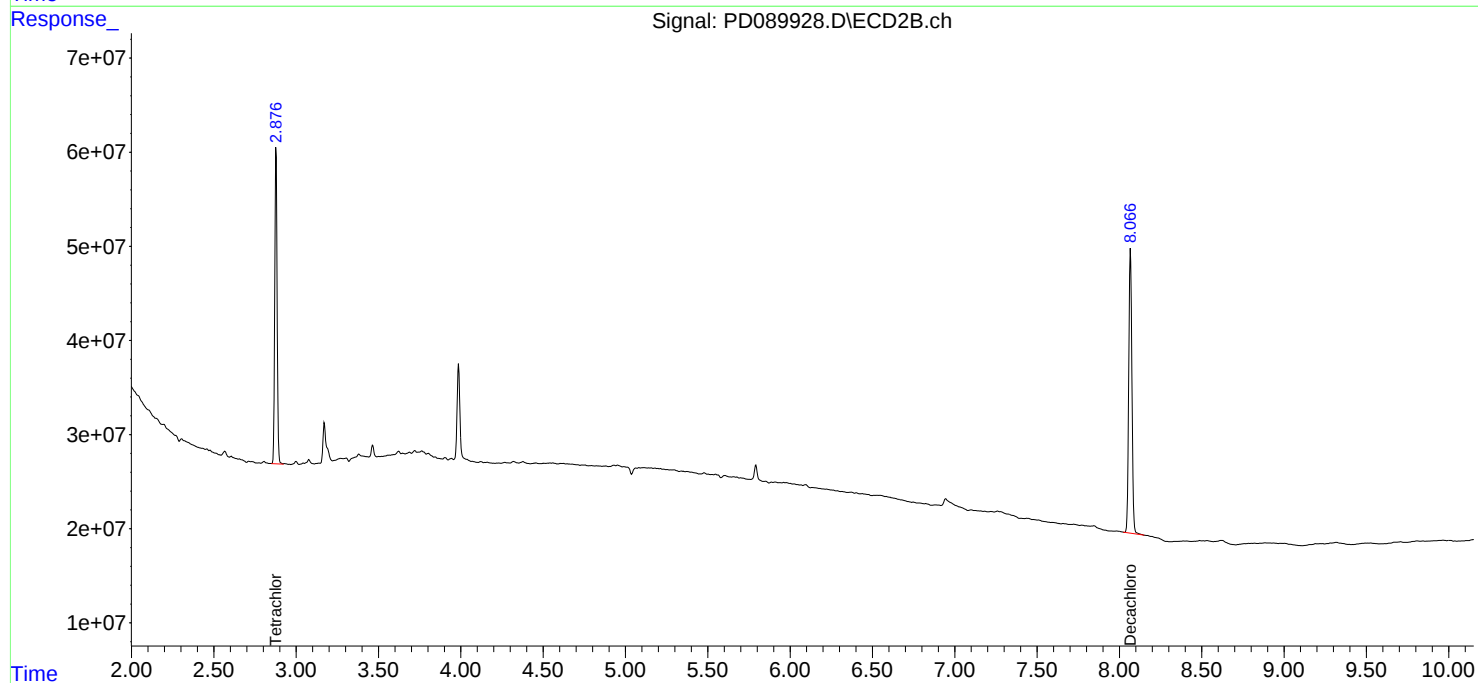
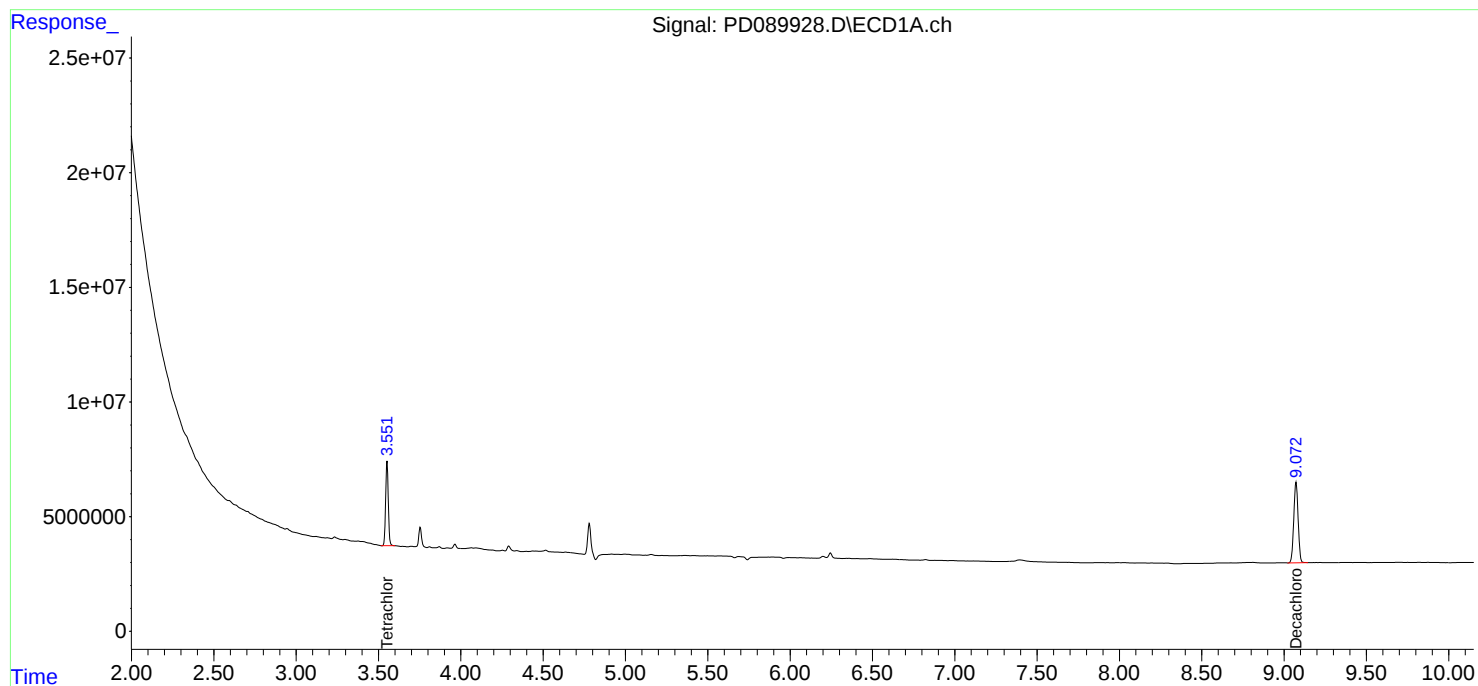
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

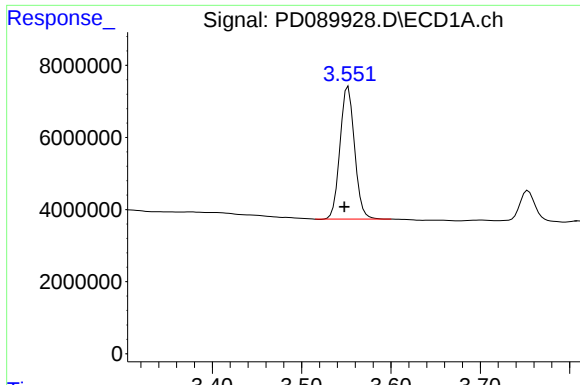
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:04
Operator : AR\AJ
Sample : Q2832-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TG-S05

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:52:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

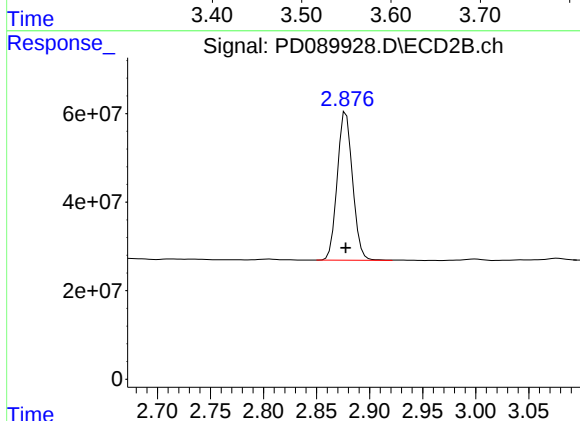




#1 Tetrachloro-m-xylene

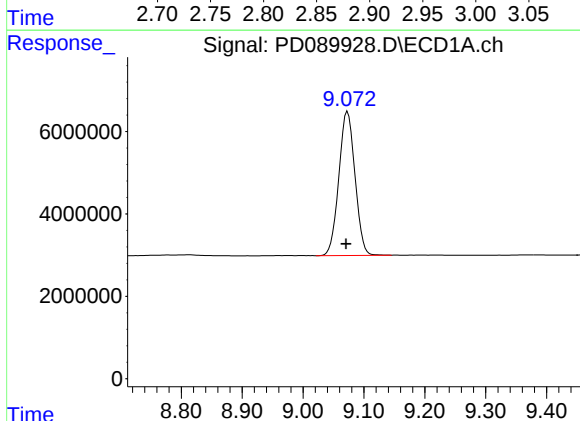
R.T.: 3.552 min
Delta R.T.: 0.004 min
Response: 41671695
Conc: 16.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
TG-S05



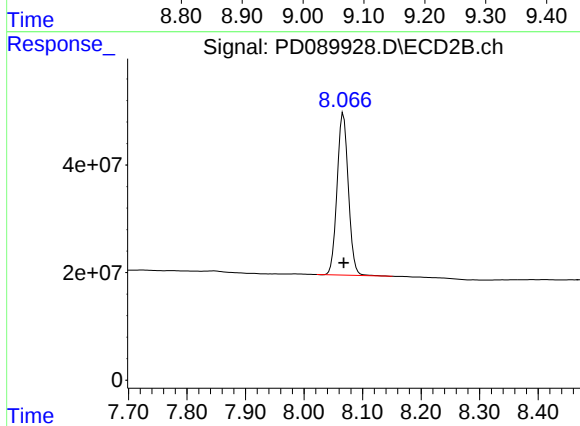
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 335998812
Conc: 21.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.003 min
Response: 64281422
Conc: 17.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 402922824
Conc: 20.07 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Instrument ID: ECD_D

Calibration Date(s): **07/31/2025** **07/31/2025**

Calibration Times: **11:47** **12:41**

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

LAB FILE ID:	RT 100 =	<u>PD089688.D</u>	RT 075 =	<u>PD089689.D</u>
	RT 050 =	PD089690.D	RT 025 =	PD089691.D
			RT 005 =	PD089692.D

[illegible]

Calibration Times: **11:47** **12:41**

LAB FILE ID:	RT 100 =	<u>PD089688.D</u>	RT 075 =	<u>PD089689.D</u>
	RT 050 =	PD089690.D	RT 025 =	PD089691.D
			RT 005 =	PD089692.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Instrument ID: ECD_D

Calibration Date(s): 07/31/2025 07/31/2025

Calibration Times: 11:47 12:41

GC Column: ZB-MR1

ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PD089688.D</u>	CF 075 =	<u>PD089689.D</u>		
CF 050 =		<u>PD089690.D</u>	CF 025 =	<u>PD089691.D</u>	CF 005 =	<u>PD089692.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3483240000	3499950000	3619460000	3726220000	4252410000	3716260000	8
Endrin	3787000000	3635450000	3585320000	3393750000	3487070000	3577720000	4
gamma-BHC (Lindane)	5133650000	4854210000	4821480000	4482000000	4470410000	4752350000	6
Heptachlor	5124730000	4899870000	4838360000	4560780000	4633880000	4811520000	5
Heptachlor epoxide	4345440000	4178710000	4148850000	3977860000	4252730000	4180720000	3
Methoxychlor	1771080000	1750920000	1777320000	1770160000	1870390000	1787970000	3
Tetrachloro-m-xylene	2500060000	2427080000	2456600000	2403480000	2545710000	2466590000	2



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Instrument ID: ECD_D

Calibration Date(s): 07/31/2025 07/31/2025

Calibration Times: 11:47 12:41

GC Column: ZB-MR2

ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PD089688.D</u>	CF 075 =	<u>PD089689.D</u>		
CF 050 =		<u>PD089690.D</u>	CF 025 =	<u>PD089691.D</u>	CF 005 =	<u>PD089692.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	19095200000	18752300000	19614700000	20093800000	22833900000	20078000000	8
Endrin	18955800000	18701800000	19397300000	19737400000	22833500000	19925200000	8
gamma-BHC (Lindane)	22053600000	21570700000	22138000000	22412100000	24446000000	22524100000	5
Heptachlor	22407100000	22028400000	22731800000	23177700000	25700800000	23209200000	6
Heptachlor epoxide	19711600000	19404700000	20096200000	20688400000	22848400000	20549800000	7
Methoxychlor	9410250000	9296740000	9702690000	9950740000	10617100000	9795500000	5
Tetrachloro-m-xylene	15162800000	14913400000	15457700000	15824900000	17830500000	15837800000	7



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.71	4.61	4.81	168988000
		2	5.24	5.14	5.34	170278000
		3	5.94	5.84	6.04	702984000
		4	6.03	5.93	6.13	852664000
		5	6.87	6.77	6.97	145967000
Toxaphene	500	1	6.24	6.14	6.34	34887000
		2	6.44	6.34	6.54	46683300
		3	7.15	7.05	7.25	91652600
		4	7.56	7.46	7.66	120732000
		5	7.93	7.83	8.03	68165800



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06
Lab Code: ACE **SDG NO.:** Q2832
Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.90	3.80	4.00	745334000
		2	4.48	4.38	4.58	777672000
		3	5.12	5.02	5.22	2340540000
		4	5.19	5.09	5.29	2010150000
		5	6.09	5.99	6.19	925042000
Toxaphene	500	1	5.47	5.37	5.57	159990000
		2	5.64	5.54	5.74	108562000
		3	6.75	6.65	6.85	519577000
		4	7.19	7.09	7.29	361556000
		5	7.32	7.22	7.42	254114000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089688.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 11:47
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 06:03:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:01:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.877	250.0E6	1516.3E6	101.769	98.092
2)	SA Decachlor...	9.072	8.068	348.3E6	1909.5E6	96.236	97.351
Target Compounds							
2)	A alpha-BHC	3.998	3.390	547.4E6	2388.1E6	108.020	99.616
3)	MA gamma-BHC...	4.329	3.726	513.4E6	2205.4E6	106.475	99.619
4)	MA Heptachlor	4.928	4.079	512.5E6	2240.7E6	105.919	98.571
5)	MB Aldrin	5.269	4.365	487.5E6	2165.7E6	105.943	99.021
6)	B beta-BHC	4.515	4.022	183.5E6	915.8E6	100.635	97.407
7)	B delta-BHC	4.763	4.258	503.3E6	2221.1E6	107.623	99.433
8)	B Heptachlo...	5.689	4.869	434.5E6	1971.2E6	104.739	98.086
9)	A Endosulfan I	6.073	5.243	408.8E6	1871.0E6	103.749	97.985
10)	B gamma-Chl...	5.945	5.121	437.2E6	2093.9E6	104.922	98.851
11)	B alpha-Chl...	6.025	5.186	433.4E6	2001.7E6	103.753	98.554
12)	B 4,4'-DDE	6.194	5.371	400.4E6	2043.1E6	106.779	98.544
13)	MA Dieldrin	6.345	5.508	448.2E6	2096.4E6	105.766	98.708
14)	MA Endrin	6.573	5.785	378.7E6	1895.6E6	105.625	97.723
15)	B Endosulfa...	6.785	6.077	370.7E6	1807.1E6	102.908	98.240
16)	A 4,4'-DDD	6.704	5.926	317.1E6	1713.4E6	105.699	98.730
17)	MA 4,4'-DDT	7.020	6.180	354.8E6	1842.5E6	105.256	99.852
18)	B Endrin al...	6.914	6.255	253.1E6	1252.9E6	102.502	98.551
19)	B Endosulfa...	7.149	6.478	352.0E6	1784.3E6	102.563	98.378
20)	A Methoxychlor	7.492	6.750	177.1E6	941.0E6	99.649	96.986
21)	B Endrin ke...	7.630	6.987	380.4E6	1936.5E6	102.798	98.099
22)	Mirex	8.113	7.181	264.5E6	1440.6E6	97.646	97.171

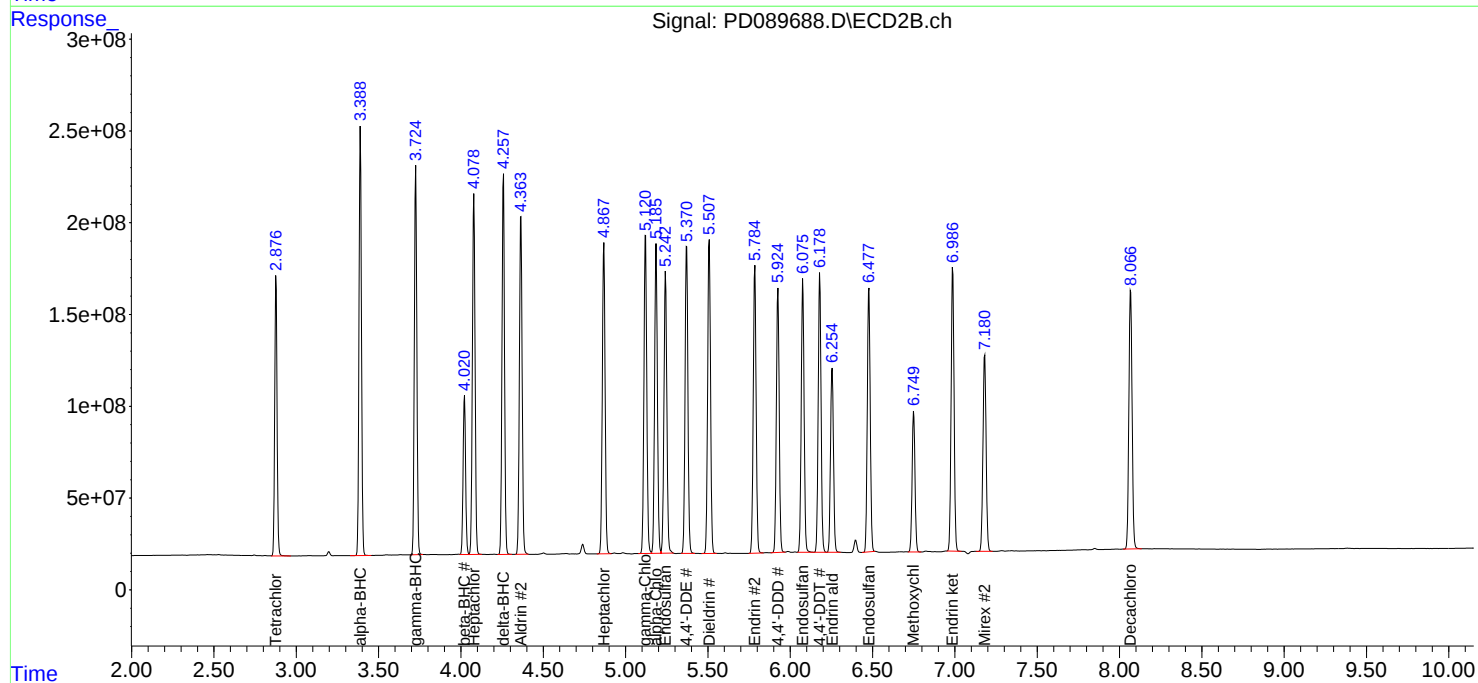
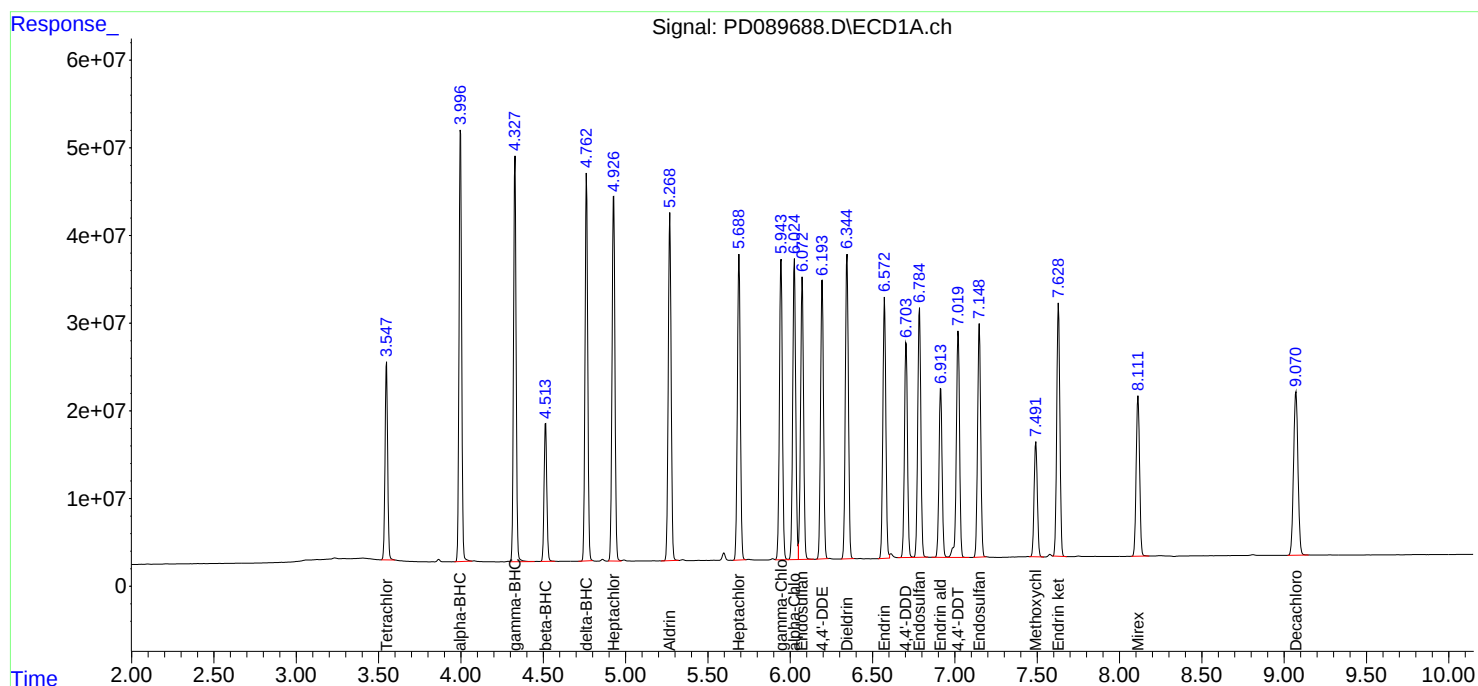
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:47
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:03:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089689.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 12:01
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC075

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/01/2025
 Supervised By : mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 06:03:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:01:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	182.0E6	1118.5E6	74.099	72.359
28)	SA Decachlor...	9.071	8.067	262.5E6	1406.4E6	72.524	71.702
Target Compounds							
2)	A alpha-BHC	3.998	3.390	389.2E6	1750.2E6	76.799	73.008
3)	MA gamma-BHC...	4.327	3.727	364.1E6	1617.8E6	75.509m	73.078
4)	MA Heptachlor	4.927	4.079	367.5E6	1652.1E6	75.953	72.679
5)	MB Aldrin	5.269	4.365	349.2E6	1591.4E6	75.891	72.762
6)	B beta-BHC	4.514	4.022	134.4E6	678.1E6	73.687	72.127
7)	B delta-BHC	4.763	4.259	358.2E6	1631.4E6	76.586	73.032
8)	B Heptachlo...	5.689	4.869	313.4E6	1455.4E6	75.540	72.419
9)	A Endosulfan I	6.073	5.243	295.7E6	1384.3E6	75.057	72.494
10)	B gamma-Chl...	5.945	5.122	316.5E6	1536.8E6	75.953	72.551
11)	B alpha-Chl...	6.025	5.186	314.3E6	1475.9E6	75.227	72.665
12)	B 4,4'-DDE	6.194	5.371	286.3E6	1504.8E6	76.363	72.583
13)	MA Dieldrin	6.345	5.509	322.8E6	1541.4E6	76.176	72.575
14)	MA Endrin	6.572	5.785	272.7E6	1402.6E6	76.049	72.311
15)	B Endosulfa...	6.785	6.076	271.1E6	1331.9E6	75.250	72.403
16)	A 4,4'-DDD	6.703	5.925	228.6E6	1259.0E6	76.194	72.547
17)	MA 4,4'-DDT	7.019	6.179	256.2E6	1348.7E6	76.010	73.090
18)	B Endrin al...	6.913	6.255	183.3E6	916.8E6	74.217	72.118
19)	B Endosulfa...	7.148	6.479	257.0E6	1313.6E6	74.880	72.427
20)	A Methoxychlor	7.492	6.750	131.3E6	697.3E6	73.886	71.862
21)	B Endrin ke...	7.629	6.987	277.5E6	1426.8E6	74.979	72.278
22)	Mirex	8.112	7.181	197.2E6	1065.3E6	72.806	71.858

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089689.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:01
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC075

Manual Integrations

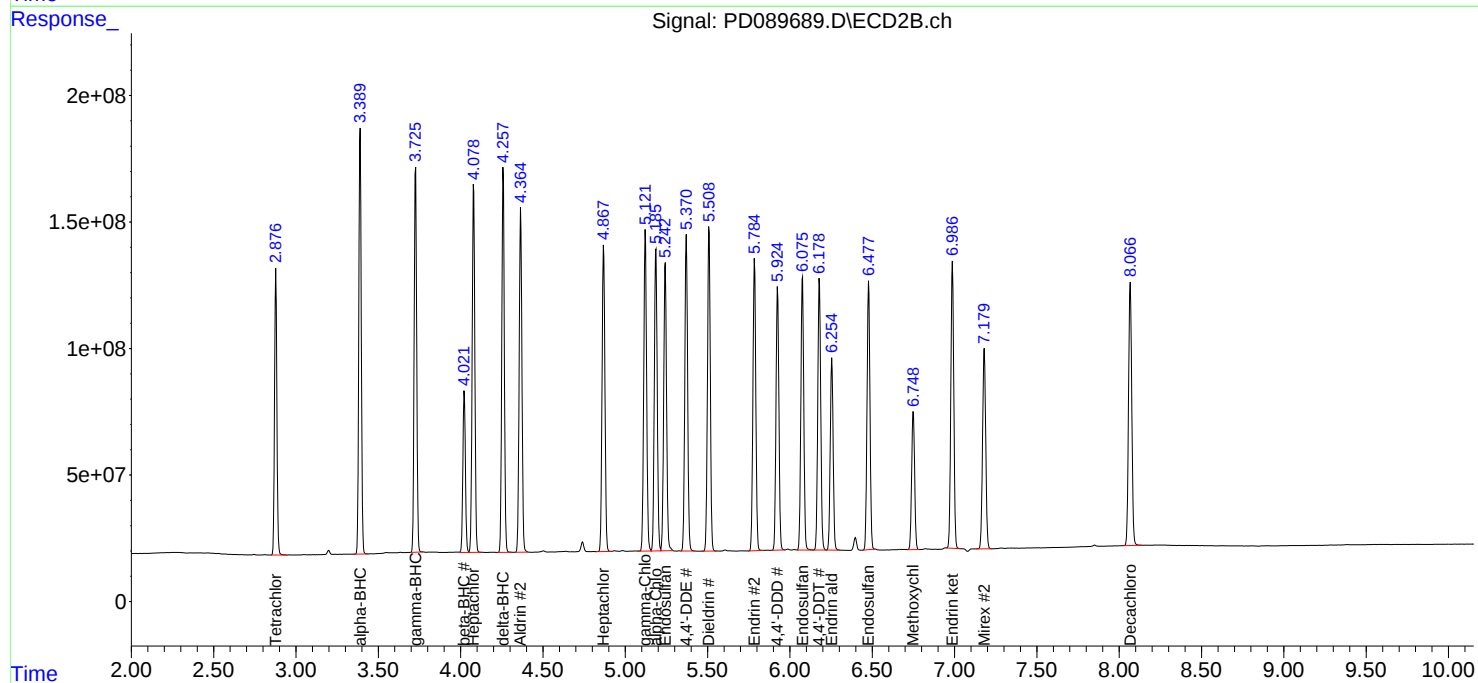
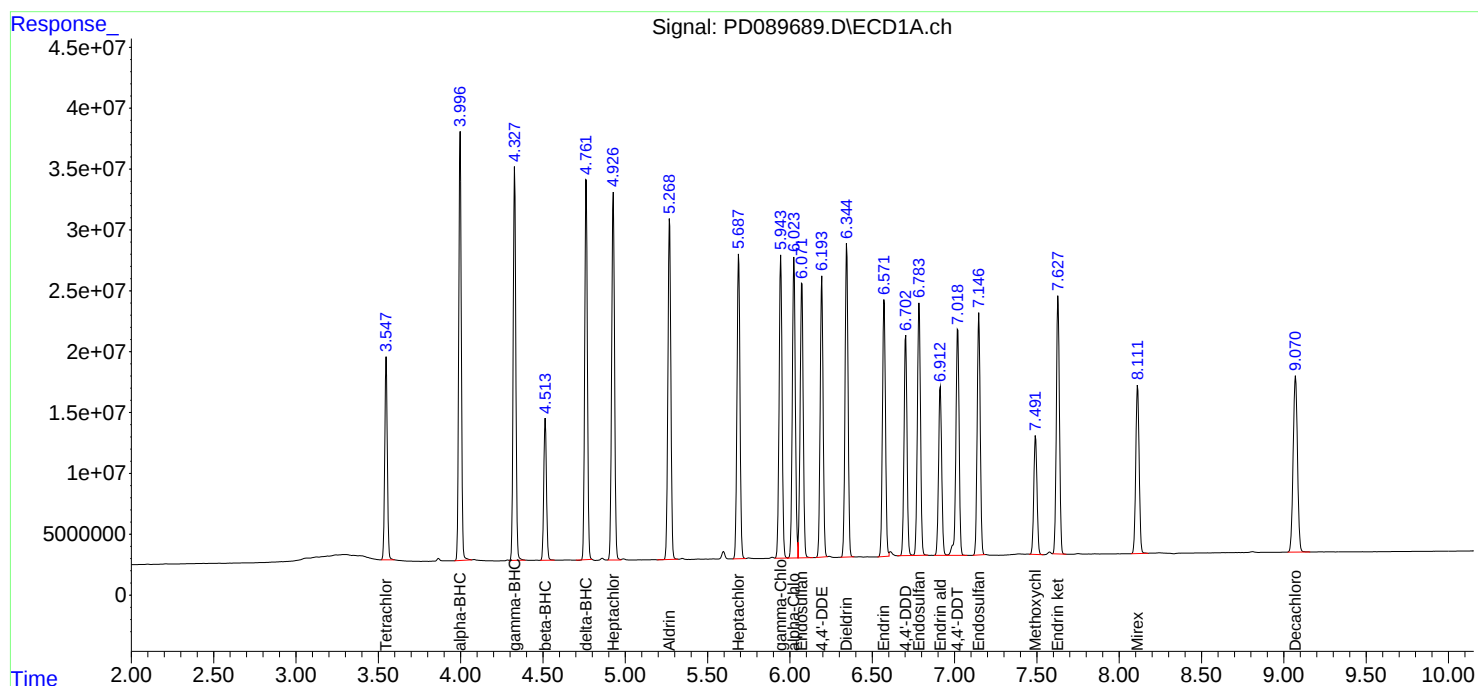
APPROVED

Reviewed By :Abdul Mirza 08/01/2025

Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:03:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089690.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 12:14
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 06:04:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:01:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	122.8E6	772.9E6	50.000	50.000
28)	SA Decachlor...	9.071	8.068	181.0E6	980.7E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.997	3.390	253.4E6	1198.6E6	50.000	50.000
3)	MA gamma-BHC...	4.328	3.726	241.1E6	1106.9E6	50.000	50.000
4)	MA Heptachlor	4.927	4.079	241.9E6	1136.6E6	50.000	50.000
5)	MB Aldrin	5.269	4.365	230.1E6	1093.6E6	50.000	50.000
6)	B beta-BHC	4.514	4.022	91190240	470.1E6	50.000	50.000
7)	B delta-BHC	4.763	4.259	233.8E6	1116.9E6	50.000	50.000
8)	B Heptachlo...	5.689	4.869	207.4E6	1004.8E6	50.000	50.000
9)	A Endosulfan I	6.072	5.243	197.0E6	954.8E6	50.000	50.000
10)	B gamma-Chl...	5.944	5.122	208.3E6	1059.1E6	50.000	50.000
11)	B alpha-Chl...	6.025	5.186	208.9E6	1015.5E6	50.000	50.000
12)	B 4,4'-DDE	6.194	5.371	187.5E6	1036.6E6	50.000	50.000
13)	MA Dieldrin	6.345	5.509	211.9E6	1061.9E6	50.000	50.000
14)	MA Endrin	6.572	5.785	179.3E6	969.9E6	50.000	50.000
15)	B Endosulfa...	6.784	6.077	180.1E6	919.8E6	50.000	50.000
16)	A 4,4'-DDD	6.704	5.925	150.0E6	867.7E6	50.000	50.000
17)	MA 4,4'-DDT	7.019	6.179	168.5E6	922.6E6	50.000	50.000
18)	B Endrin al...	6.913	6.255	123.5E6	635.6E6	50.000	50.000
19)	B Endosulfa...	7.148	6.478	171.6E6	906.8E6	50.000	50.000
20)	A Methoxychlor	7.492	6.750	88865799	485.1E6	50.000	50.000
21)	B Endrin ke...	7.629	6.988	185.0E6	987.0E6	50.000	50.000
22)	Mirex	8.112	7.181	135.4E6	741.3E6	50.000	50.000

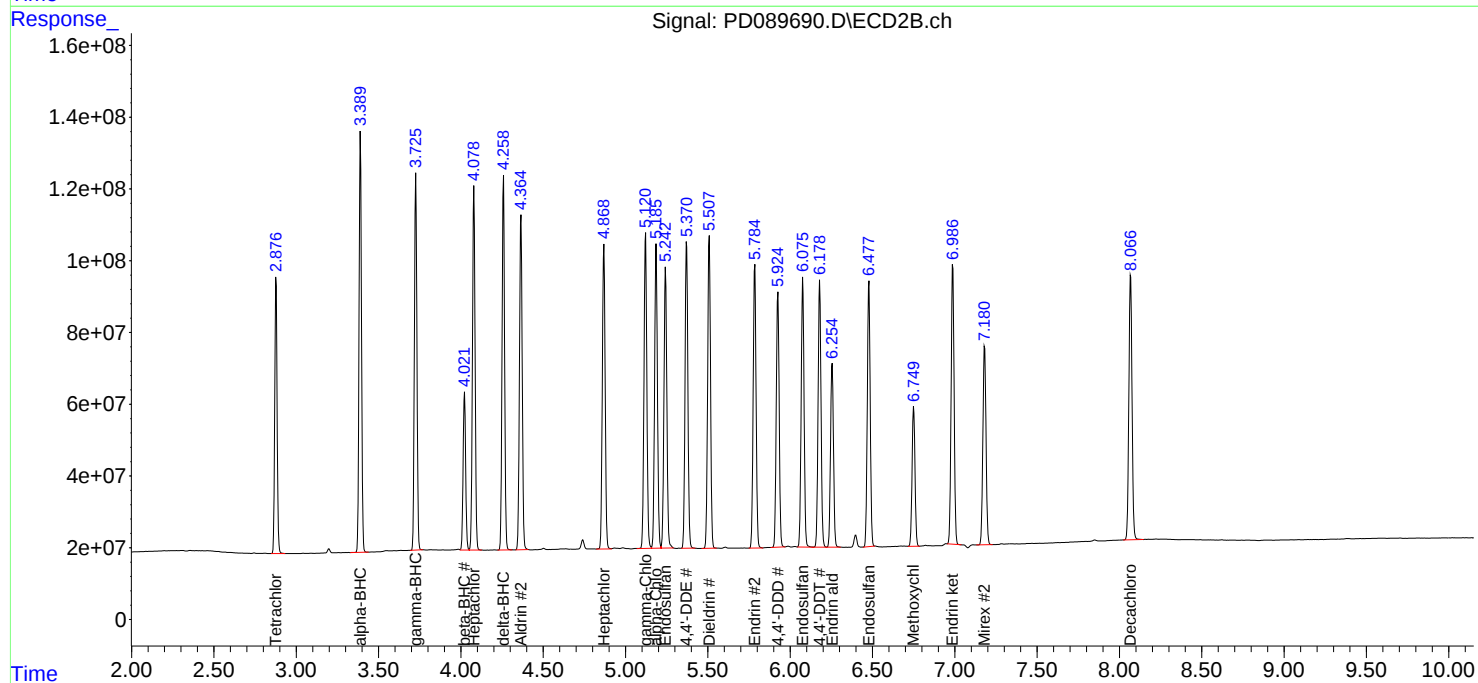
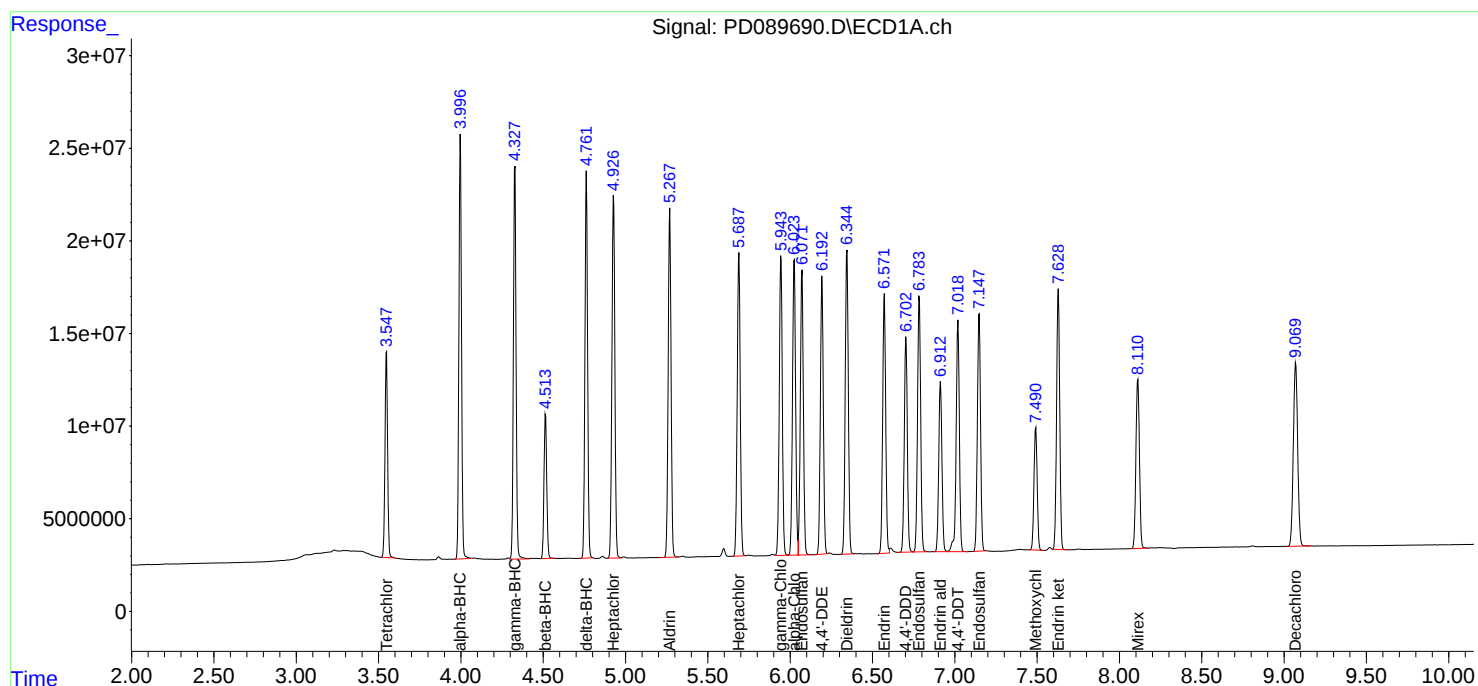
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:14
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089691.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 12:28
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 06:04:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:01:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	60086888	395.6E6	24.459	25.594
2)	SA Decachlor...	9.070	8.068	93155610	502.3E6	25.737	25.611
Target Compounds							
2)	A alpha-BHC	3.997	3.390	115.9E6	602.6E6	22.877	25.138
3)	MA gamma-BHC...	4.328	3.726	112.0E6	560.3E6	23.240	25.309
4)	MA Heptachlor	4.927	4.079	114.0E6	579.4E6	23.566	25.490
5)	MB Aldrin	5.268	4.365	108.2E6	556.5E6	23.508	25.445
6)	B beta-BHC	4.515	4.022	45165459	242.6E6	24.764	25.805
7)	B delta-BHC	4.763	4.259	107.4E6	564.0E6	22.958	25.251
8)	B Heptachlo...	5.688	4.869	99446385	517.2E6	23.970	25.737
9)	A Endosulfan I	6.072	5.243	95423575	490.8E6	24.218	25.703
10)	B gamma-Chl...	5.944	5.122	99925801	541.3E6	23.981	25.556
11)	B alpha-Chl...	6.024	5.186	101.2E6	520.3E6	24.230	25.616
12)	B 4,4'-DDE	6.193	5.372	88194803	529.6E6	23.521	25.544
13)	MA Dieldrin	6.344	5.509	100.3E6	540.2E6	23.678	25.437
14)	MA Endrin	6.572	5.786	84843783	493.4E6	23.664	25.438
15)	B Endosulfa...	6.784	6.077	88566720	470.7E6	24.585	25.586
16)	A 4,4'-DDD	6.703	5.926	71191879	441.6E6	23.731	25.443
17)	MA 4,4'-DDT	7.019	6.179	80141596	460.3E6	23.775	24.945
18)	B Endrin al...	6.913	6.255	60887538	325.1E6	24.658	25.572
19)	B Endosulfa...	7.148	6.479	83927332	464.7E6	24.451	25.620
20)	A Methoxychlor	7.491	6.750	44254083	248.8E6	24.899	25.639
21)	B Endrin ke...	7.628	6.988	90082871	504.5E6	24.342	25.556
22)	Mirex	8.111	7.181	69660388	385.5E6	25.718	26.005

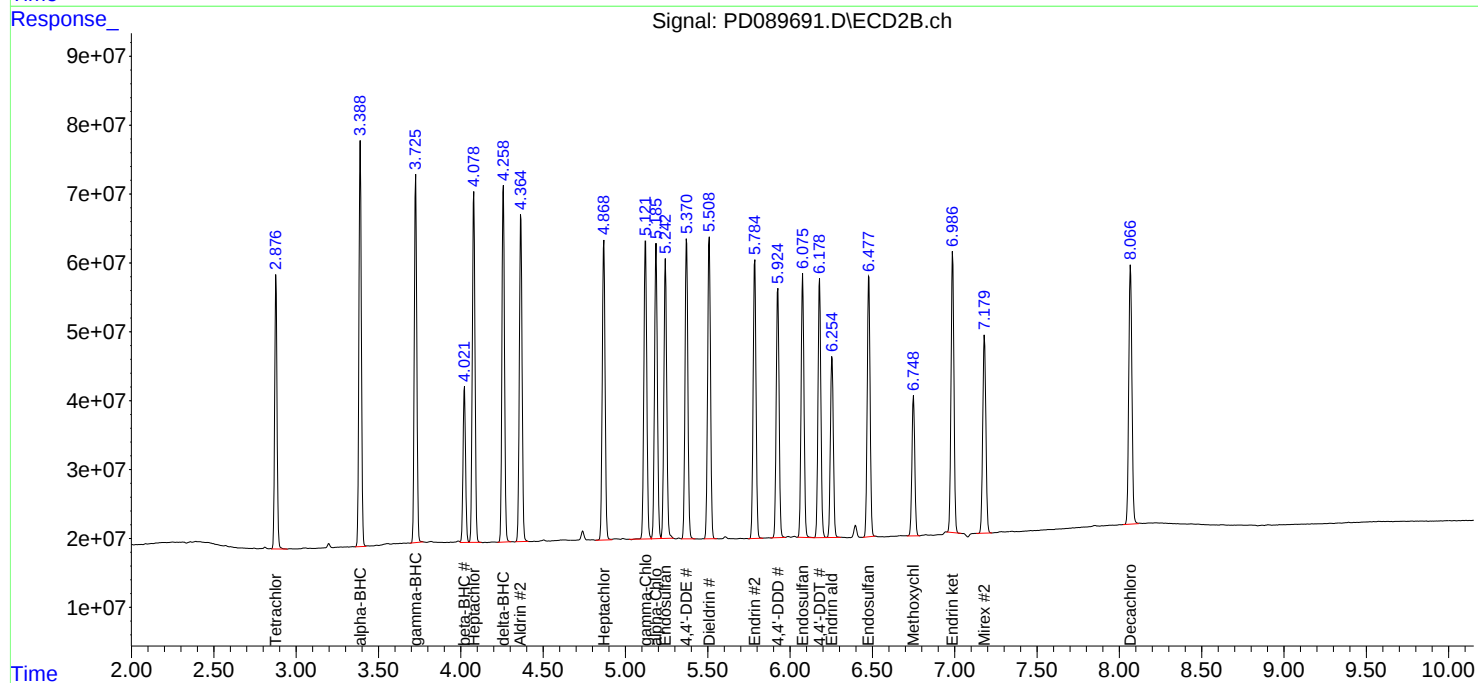
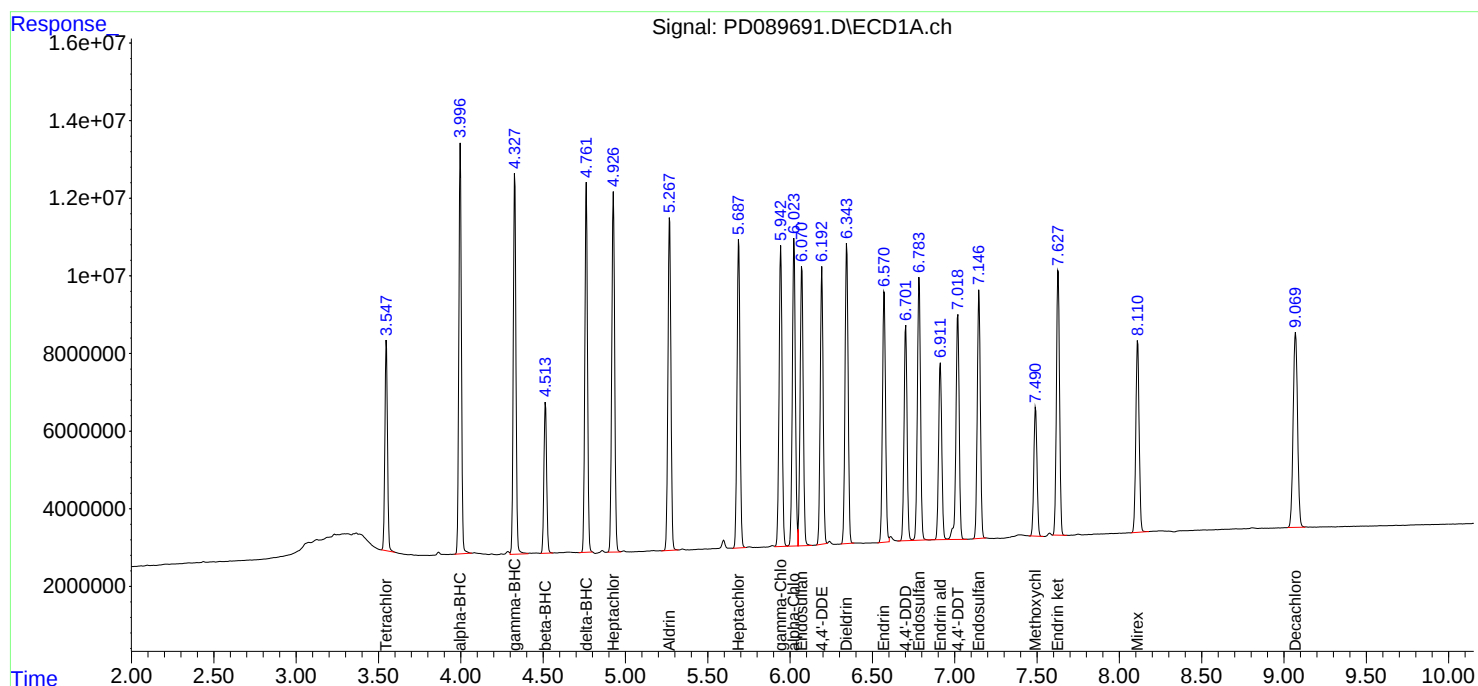
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:28
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089692.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 12:41
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/01/2025
 Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 06:04:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:01:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	12728556	89152363	5.181	5.768
28)	SA Decachlor...	9.070	8.068	21262032	114.2E6	5.874	5.821
Target Compounds							
2)	A alpha-BHC	3.997	3.390	21991813	131.1E6	4.339	5.471 #
3)	MA gamma-BHC...	4.328	3.726	22352025	122.2E6	4.636	5.521
4)	MA Heptachlor	4.927	4.079	23169413	128.5E6	4.789	5.653
5)	MB Aldrin	5.268	4.365	21817288	121.2E6	4.741	5.543
6)	B beta-BHC	4.514	4.022	9828461	54697788	5.389	5.818
7)	B delta-BHC	4.762	4.259	20752633	123.6E6	4.437	5.532
8)	B Heptachlo...	5.688	4.869	21263659	114.2E6	5.125	5.685
9)	A Endosulfan I	6.072	5.243	20149074	109.2E6	5.114	5.721
10)	B gamma-Chl...	5.943	5.122	20699286	120.0E6	4.968	5.665
11)	B alpha-Chl...	6.024	5.186	21350809	116.5E6	5.111	5.734
12)	B 4,4'-DDE	6.193	5.369	17748555	116.4E6	4.733	5.613m
13)	MA Dieldrin	6.345	5.509	20395942	119.2E6	4.813	5.611
14)	MA Endrin	6.571	5.786	17435369	114.2E6	4.863	5.886
15)	B Endosulfa...	6.784	6.077	19400476	104.7E6	5.385	5.693
16)	A 4,4'-DDD	6.703	5.926	14539424	96121739	4.847	5.539
17)	MA 4,4'-DDT	7.019	6.180	16301577	92950908	4.836	5.037
18)	B Endrin al...	6.911	6.255	12992981	70660838	5.262m	5.558
19)	B Endosulfa...	7.147	6.478	18066498	103.7E6	5.263	5.719
20)	A Methoxychlor	7.491	6.750	9351951	53085396	5.262	5.471
21)	B Endrin ke...	7.628	6.987	18813895	110.2E6	5.084	5.581
22)	Mirex	8.111	7.181	15861435	86238194	5.856	5.817

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089692.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:41
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

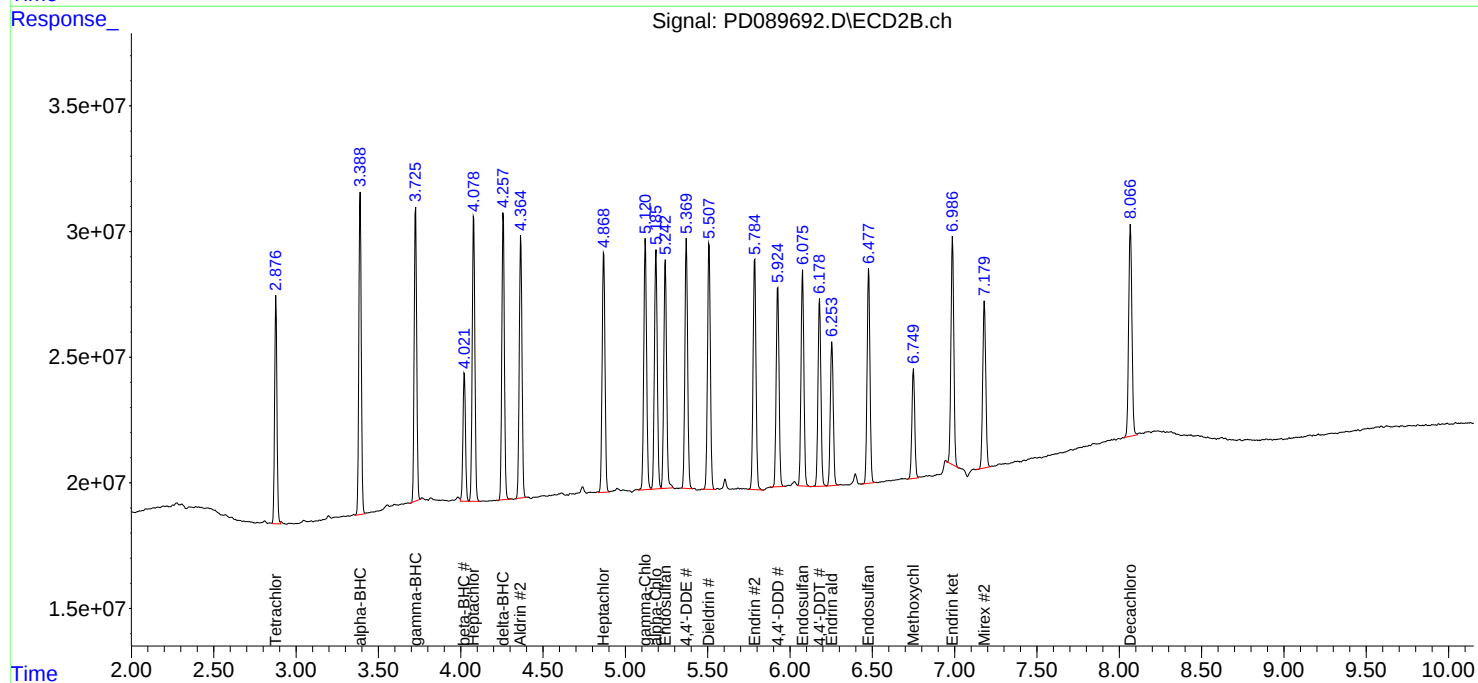
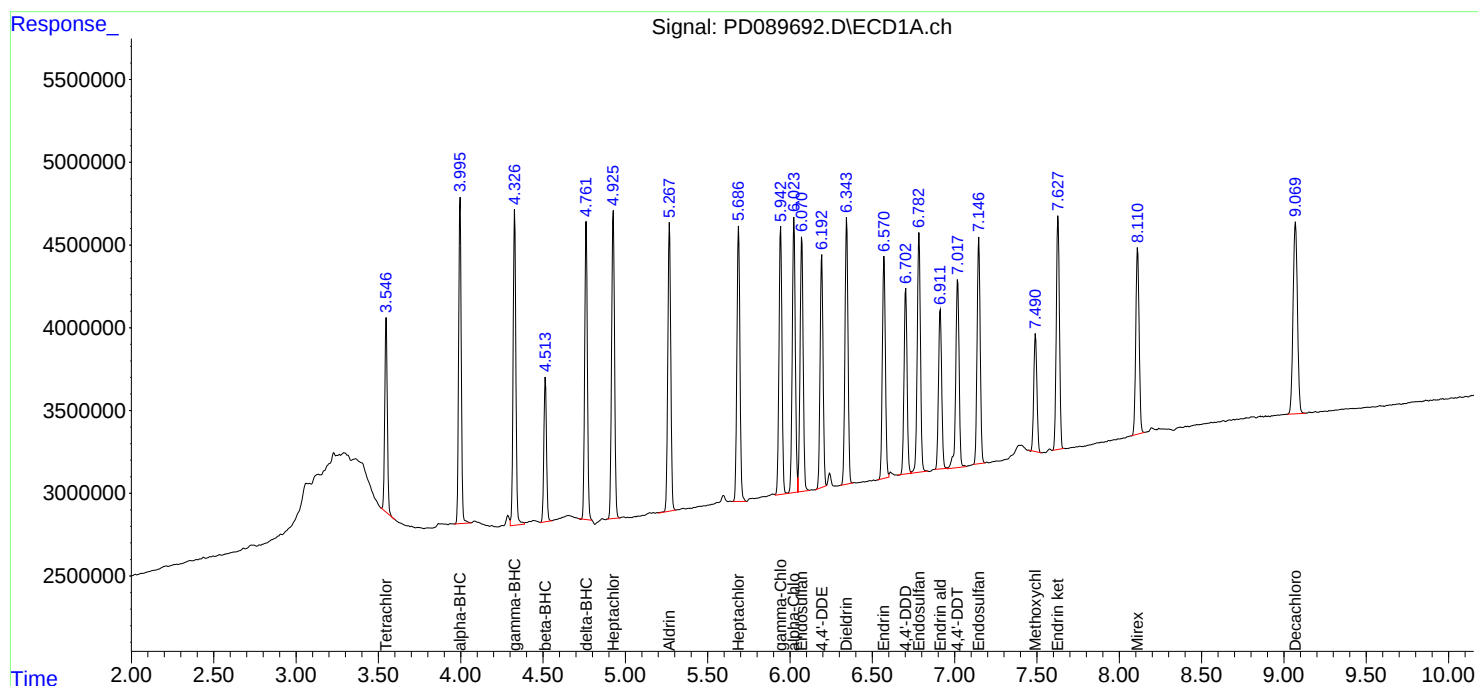
APPROVED

Reviewed By :Abdul Mirza 08/01/2025

Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:04:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:01:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089695.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 13:23
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 06:19:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:17:51 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	120.5E6	945.6E6	50.000	50.000
28)	SA Decachlor...	9.069	8.067	176.9E6	974.5E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.712	3.902	84493998	372.7E6	500.000	500.000
24)	Chlordane-2	5.238	4.483	85139038	388.8E6	500.000	500.000
25)	Chlordane-3	5.944	5.122	351.5E6	1170.3E6	500.000	500.000
26)	Chlordane-4	6.029	5.186	426.3E6	1005.1E6	500.000	500.000
27)	Chlordane-5	6.868	6.086	72983349	462.5E6	500.000	500.000

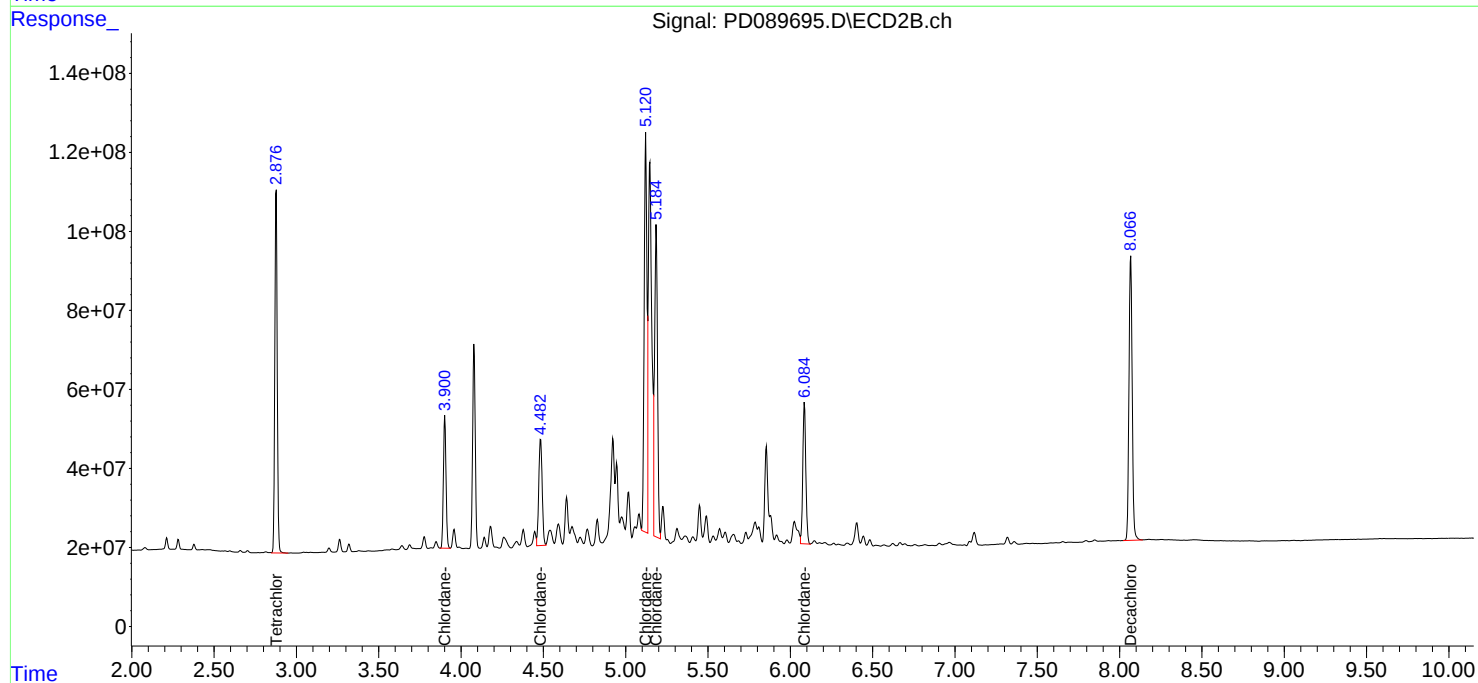
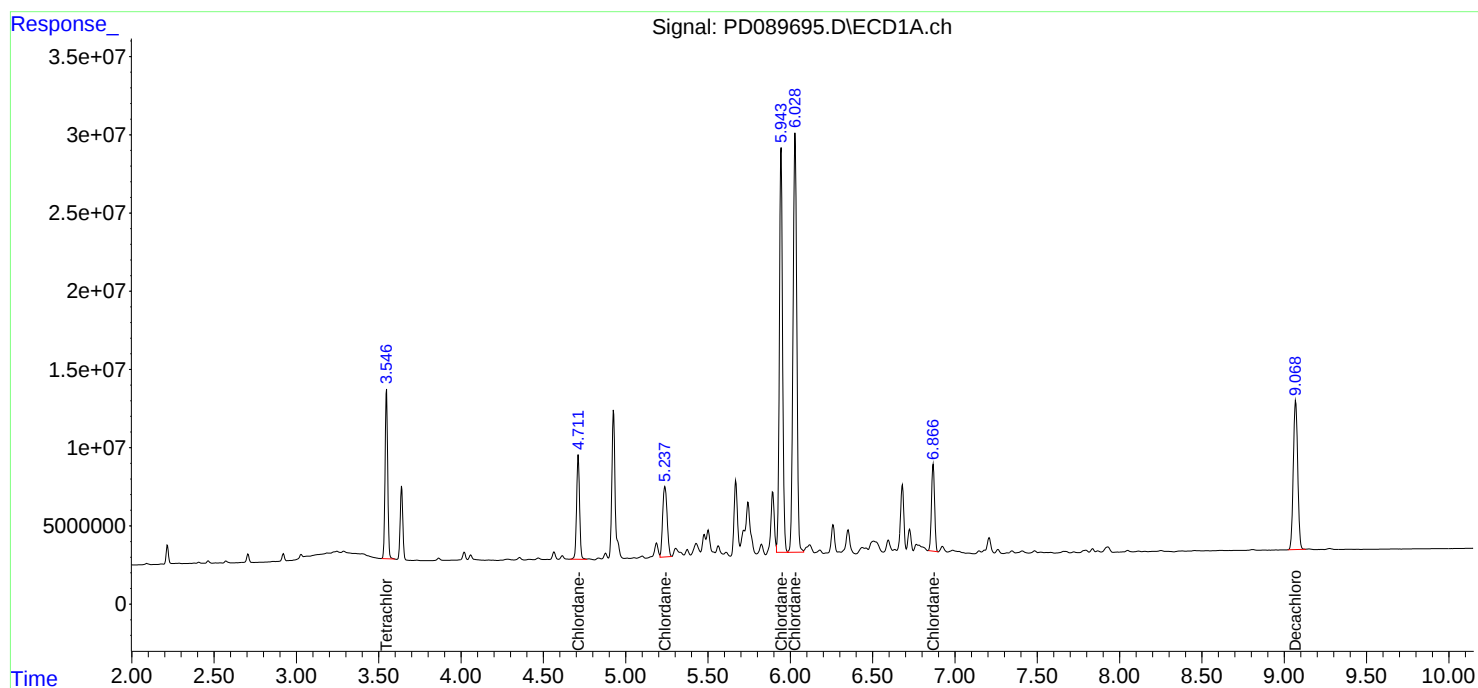
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 13:23
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:19:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:17:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089700.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 14:31
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 06:37:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:37:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

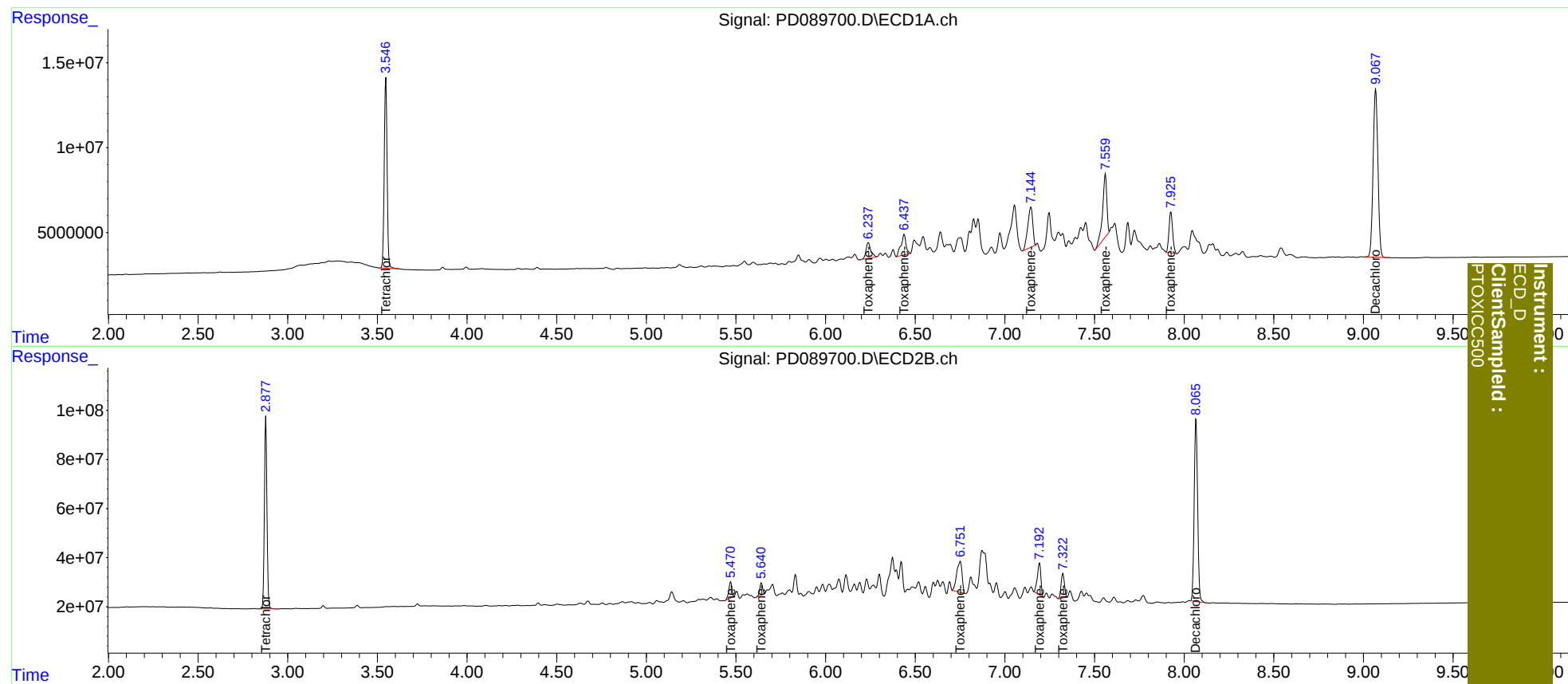
System Monitoring Compounds						
1) SA Tetrachlo...	3.547	2.878	124.8E6	773.4E6	50.000	50.000
7) SA Decachlor...	9.068	8.066	184.8E6	987.6E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.239	5.471	17443475	79994774	500.000	500.000
3) Toxaphene-2	6.439	5.642	23341665	54280922	500.000	500.000
4) Toxaphene-3	7.146	6.752	45826320	259.8E6	500.000	500.000
5) Toxaphene-4	7.561	7.193	60366168	180.8E6	500.000	500.000
6) Toxaphene-5	7.926	7.324	34082893	127.1E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089700.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 14:31
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:37:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:37:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089703.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 15:11
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICPD073125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 06:51:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:29:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	120.0E6	761.1E6	48.643	48.054
28)	SA Decachlor...	9.068	8.067	181.6E6	1003.9E6	48.862	50.002
Target Compounds							
2)	A alpha-BHC	3.997	3.390	247.1E6	1174.9E6	49.894	48.341
3)	MA gamma-BHC...	4.328	3.726	235.0E6	1091.3E6	49.442	48.451
4)	MA Heptachlor	4.927	4.079	236.5E6	1118.2E6	49.144	48.177
5)	MB Aldrin	5.269	4.365	226.3E6	1080.5E6	49.573	48.561
6)	B beta-BHC	4.514	4.022	89444936	462.6E6	48.488	47.941
7)	B delta-BHC	4.762	4.258	227.8E6	1097.8E6	49.674	48.330
8)	B Heptachlo...	5.689	4.869	203.2E6	996.0E6	48.615	48.467
9)	A Endosulfan I	6.072	5.243	193.3E6	951.2E6	48.760	48.657
10)	B gamma-Chl...	5.943	5.122	205.3E6	1052.1E6	49.121	48.590
11)	B alpha-Chl...	6.025	5.186	205.4E6	1010.4E6	48.847	48.528
12)	B 4,4'-DDE	6.193	5.371	184.6E6	1030.8E6	49.482	48.768
13)	MA Dieldrin	6.344	5.508	208.4E6	1056.1E6	49.341	48.805
14)	MA Endrin	6.572	5.785	174.3E6	956.4E6	48.704	47.998
15)	B Endosulfa...	6.784	6.076	177.5E6	917.6E6	48.364	48.811
16)	A 4,4'-DDD	6.703	5.925	148.3E6	869.0E6	49.533	49.286
17)	MA 4,4'-DDT	7.019	6.179	166.6E6	923.5E6	49.583	50.264
18)	B Endrin al...	6.913	6.255	124.7E6	648.5E6	49.955	50.191
19)	B Endosulfa...	7.147	6.478	169.4E6	910.4E6	48.814	49.036
20)	A Methoxychlor	7.491	6.750	87549683	489.2E6	48.966	49.945
21)	B Endrin ke...	7.628	6.987	184.0E6	1003.7E6	49.547	50.012
22)	Mirex	8.111	7.181	134.7E6	755.7E6	48.321	49.648

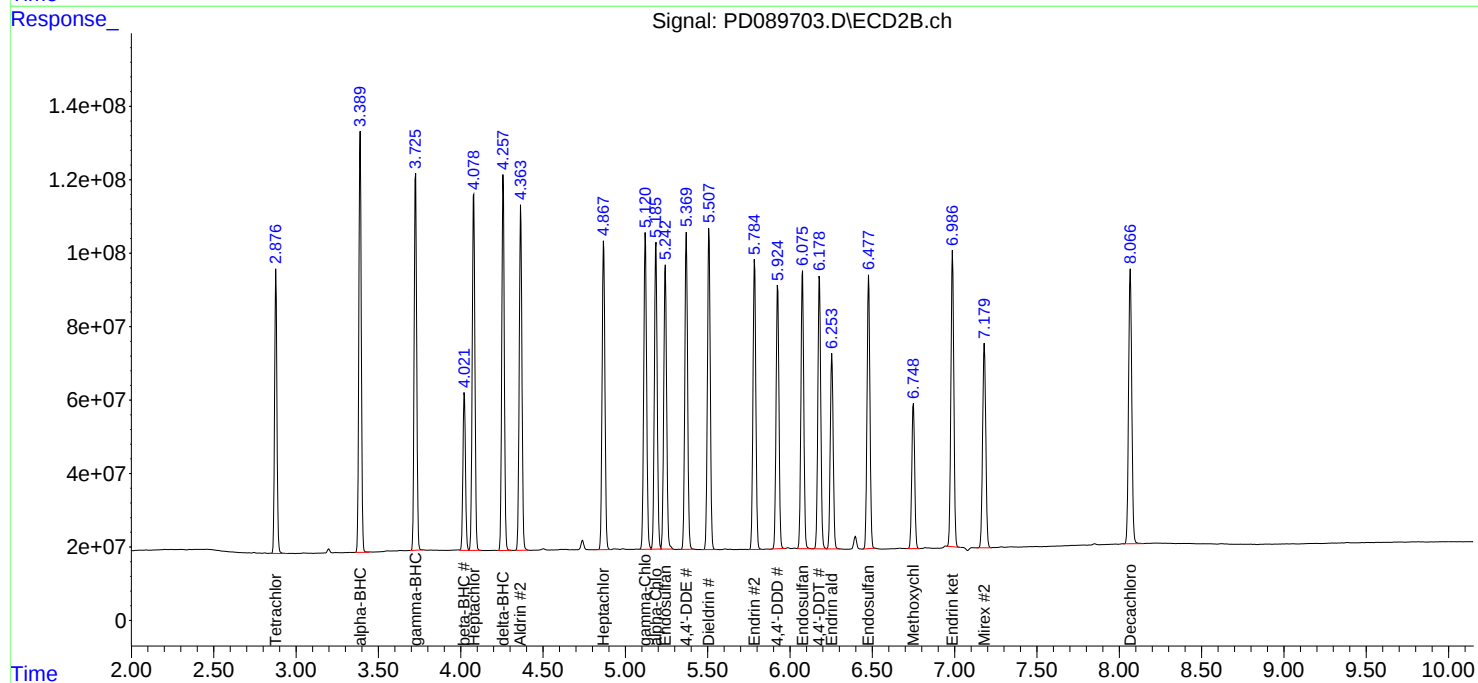
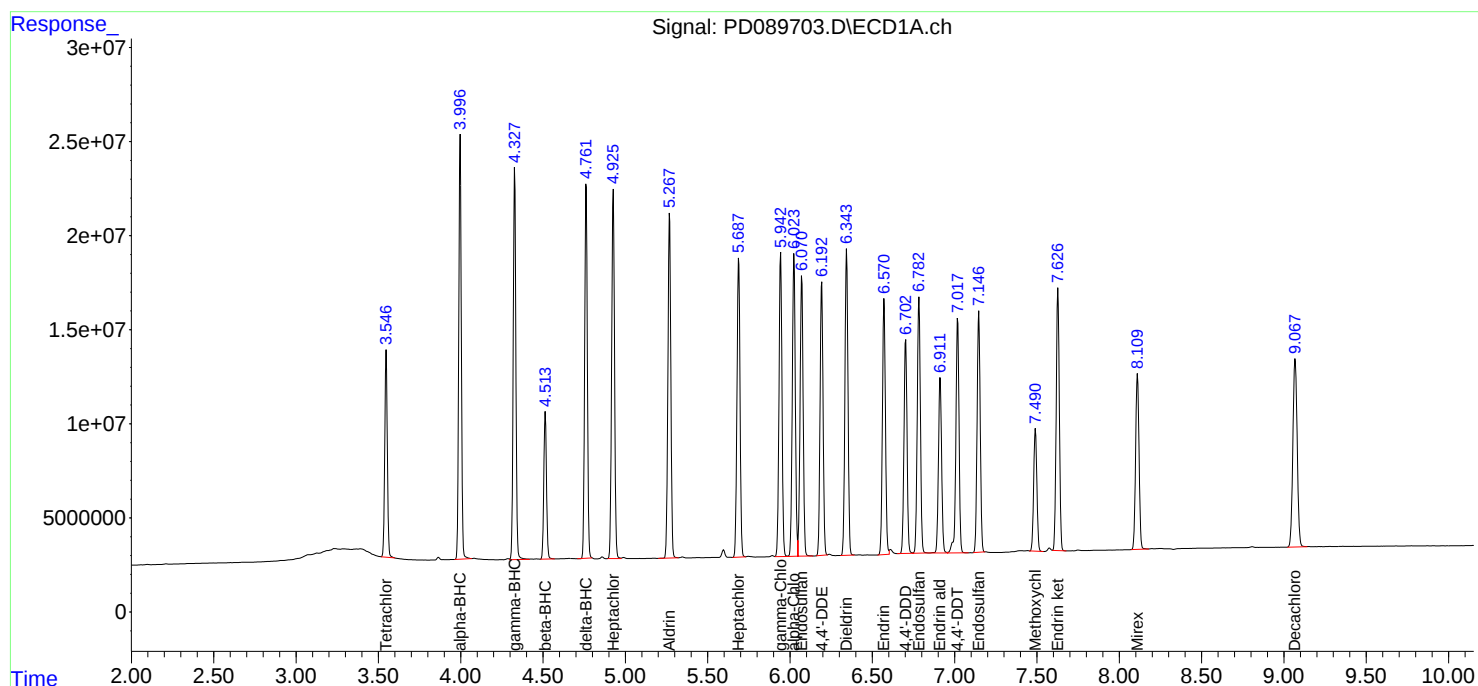
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 15:11
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:29:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089704.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 15:25
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD073125CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 06:57:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:55:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	116.8E6	920.9E6	48.720	49.345
28)	SA Decachlor...	9.068	8.068	173.9E6	968.6E6	48.439	49.120
Target Compounds							
23)	Chlordane-1	4.712	3.902	81245774	362.8E6	487.797	495.995
24)	Chlordane-2	5.239	4.484	82083462	377.5E6	483.066	493.864
25)	Chlordane-3	5.944	5.122	339.6E6	1127.1E6	495.100	487.029
26)	Chlordane-4	6.030	5.186	410.6E6	968.1E6	490.532	486.594
27)	Chlordane-5	6.868	6.086	70531851	450.9E6	488.923	498.388

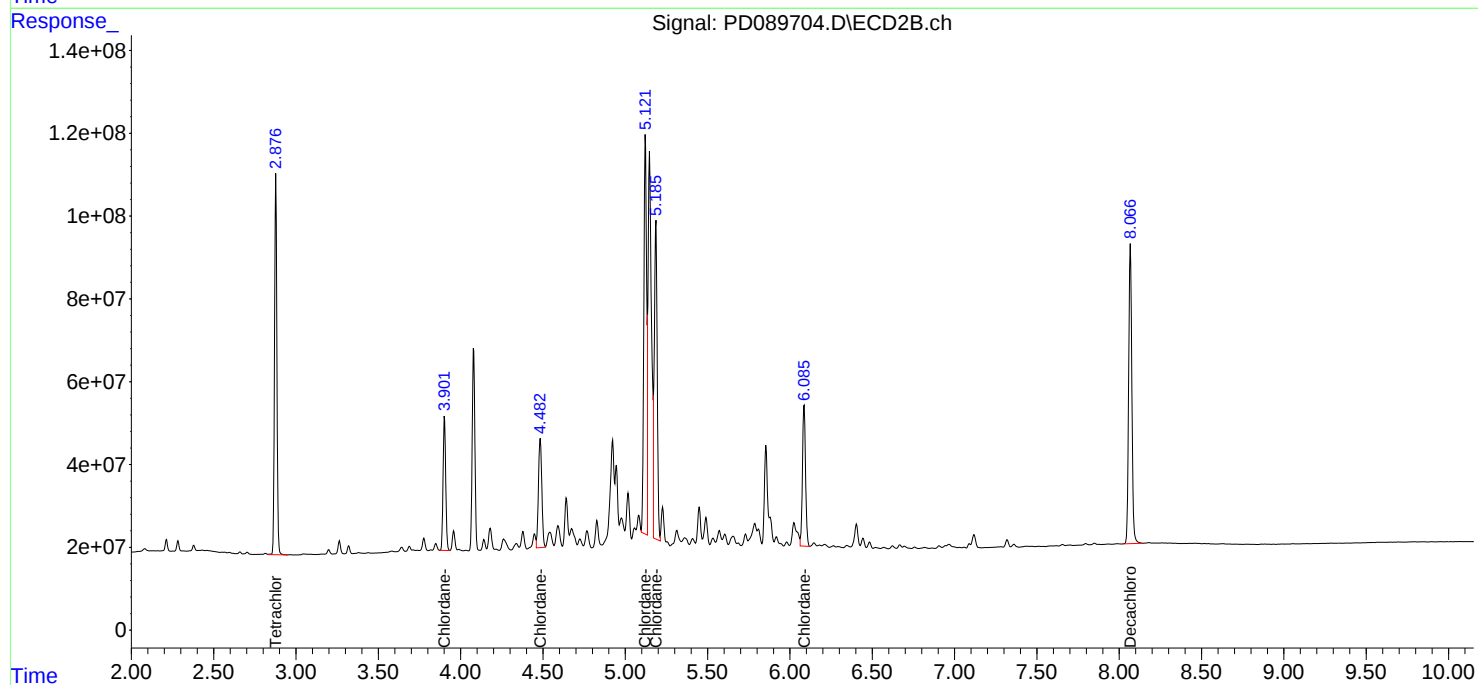
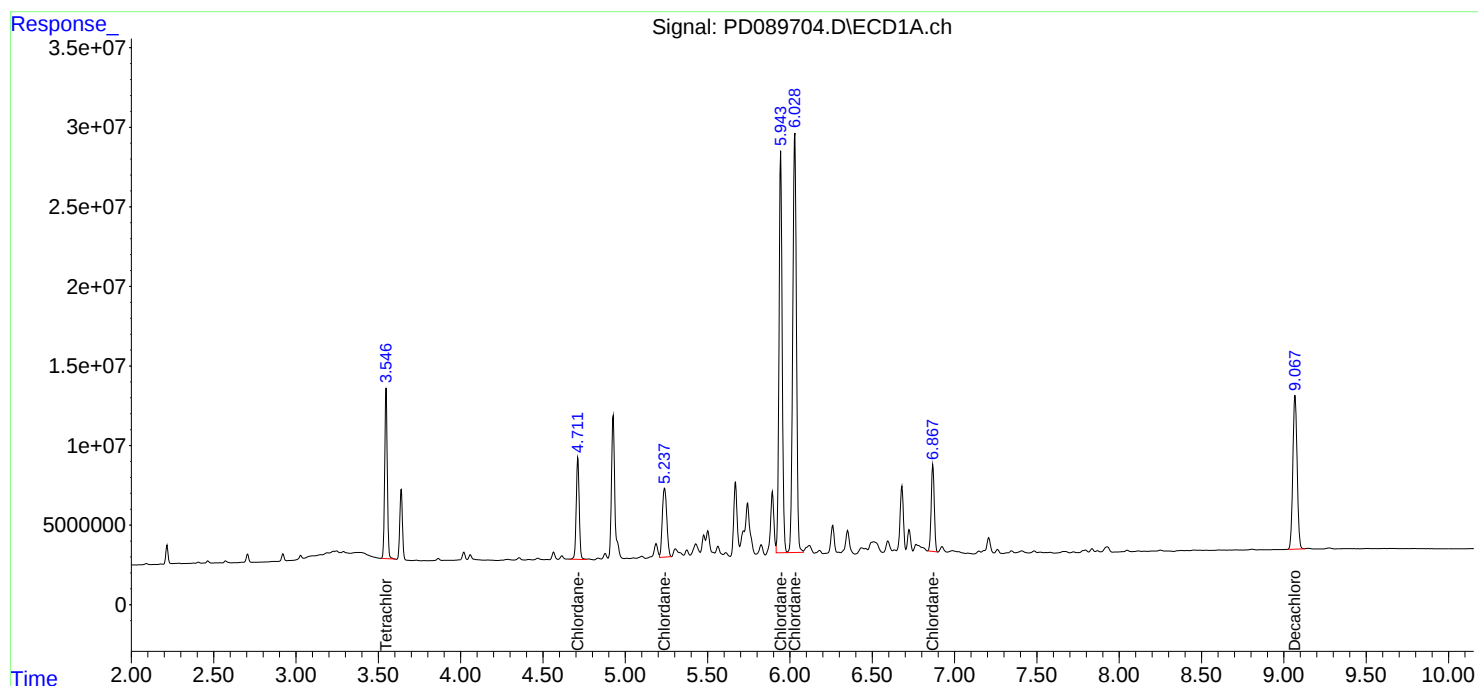
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089704.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 15:25
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD073125CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 06:57:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:55:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089705.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 15:39
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD073125TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 07:12:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 06:37:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

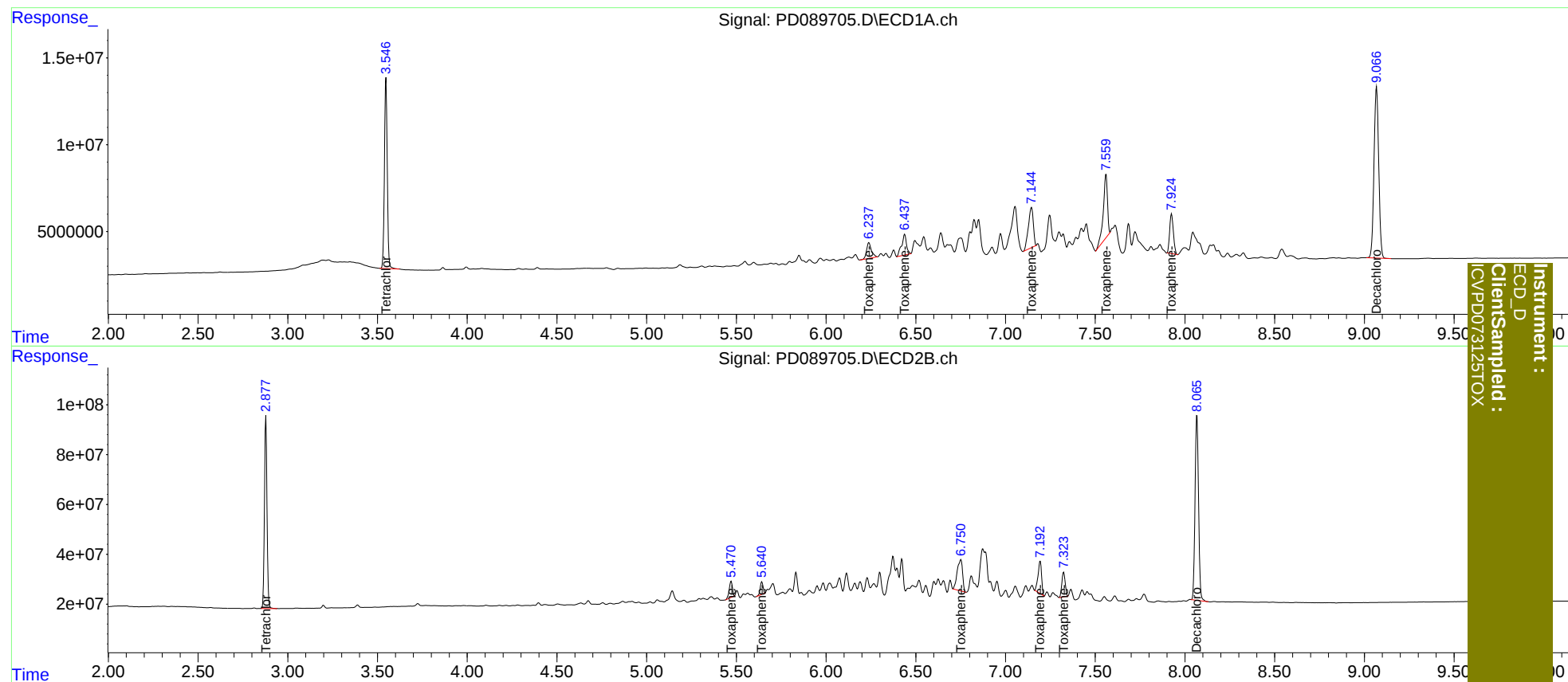
System Monitoring Compounds						
1) SA Tetrachlo...	3.547	2.878	121.0E6	763.7E6	49.297	49.152
7) SA Decachlor...	9.068	8.067	180.0E6	1004.8E6	48.913	50.328
Target Compounds						
2) Toxaphene-1	6.239	5.471	16790342	79371176	450.215	495.332
3) Toxaphene-2	6.438	5.642	22399003	54781356	491.263	516.501
4) Toxaphene-3	7.145	6.751	44678983	257.9E6	496.518	512.065
5) Toxaphene-4	7.560	7.193	58879040	179.0E6	503.289	505.290
6) Toxaphene-5	7.925	7.324	32919996	126.7E6	493.281	522.829

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089705.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 15:39
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:12:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 06:37:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 07/31/2025 07/31/2025

Continuing Calib Time: 13:53

Initial Calibration Time(s): 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 07/31/2025 07/31/2025

Continuing Calib Time: 13:53

Initial Calibration Time(s): 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG NO.: Q2832
 GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No.: CCAL01 Date Analyzed: 08/15/2025
 Lab Sample No.: PSTDCCC050 Data File : PD089914.D Time Analyzed: 13:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.069	8.971	9.171	41.490	50.000	-17.0
Endrin	6.572	6.472	6.672	42.180	50.000	-15.6
gamma-BHC (Lindane)	4.329	4.228	4.428	46.180	50.000	-7.6
Heptachlor	4.927	4.827	5.027	43.520	50.000	-13.0
Heptachlor epoxide	5.689	5.589	5.789	44.170	50.000	-11.7
Methoxychlor	7.491	7.392	7.592	41.550	50.000	-16.9
Tetrachloro-m-xylene	3.549	3.448	3.648	45.100	50.000	-9.8



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG NO.: Q2832
 GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No.: CCAL01 Date Analyzed: 08/15/2025
 Lab Sample No.: PSTDCCC050 Data File : PD089914.D Time Analyzed: 13:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.067	7.968	8.168	48.370	50.000	-3.3
Endrin	5.786	5.685	5.885	57.310	50.000	14.6
gamma-BHC (Lindane)	3.727	3.626	3.826	54.950	50.000	9.9
Heptachlor	4.080	3.979	4.179	52.420	50.000	4.8
Heptachlor epoxide	4.869	4.769	4.969	53.730	50.000	7.5
Methoxychlor	6.750	6.650	6.850	52.950	50.000	5.9
Tetrachloro-m-xylene	2.879	2.778	2.978	54.350	50.000	8.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
 Data File : PD089914.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 13:53
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:50:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.879	111.2E6	860.9E6	45.097	54.354
28)	SA Decachlor...	9.069	8.067	154.2E6	971.2E6	41.490	48.373
Target Compounds							
2)	A alpha-BHC	3.998	3.389	229.2E6	1335.0E6	46.276	54.929m
3)	MA gamma-BHC...	4.329	3.727	219.4E6	1237.6E6	46.176	54.947
4)	MA Heptachlor	4.927	4.080	209.4E6	1216.5E6	43.522	52.416
5)	MB Aldrin	5.269	4.365	205.8E6	1218.6E6	45.082	54.766
6)	B beta-BHC	4.515	4.023	84564517	524.7E6	45.842	54.380
7)	B delta-BHC	4.763	4.259	208.7E6	1248.0E6	45.497	54.940
8)	B Heptachlo...	5.689	4.869	184.7E6	1104.1E6	44.170	53.726
9)	A Endosulfan I	6.072	5.243	172.4E6	988.2E6	43.491	50.551
10)	B gamma-Chl...	5.944	5.122	183.5E6	1184.5E6	43.910	54.703
11)	B alpha-Chl...	6.024	5.186	183.8E6	1130.7E6	43.721	54.301
12)	B 4,4'-DDE	6.194	5.371	160.1E6	1142.9E6	42.914	54.073 #
13)	MA Dieldrin	6.345	5.509	182.8E6	1172.5E6	43.281	54.185 #
14)	MA Endrin	6.572	5.786	150.9E6	1141.9E6	42.178	57.311 #
15)	B Endosulfa...	6.784	6.077	156.6E6	995.8E6	42.688	52.968
16)	A 4,4'-DDD	6.703	5.925	134.6E6	948.5E6	44.953	53.793
17)	MA 4,4'-DDT	7.019	6.179	136.9E6	965.9E6	40.727	52.571 #
18)	B Endrin al...	6.913	6.255	110.5E6	706.7E6	44.281	54.699
19)	B Endosulfa...	7.148	6.479	143.4E6	953.3E6	41.313	51.347
20)	A Methoxychlor	7.491	6.750	74289117	518.6E6	41.549	52.947 #
21)	B Endrin ke...	7.628	6.987	154.3E6	1026.7E6	41.546	51.161
22)	Mirex	8.111	7.181	113.9E6	785.7E6	40.854	51.617 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:53
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

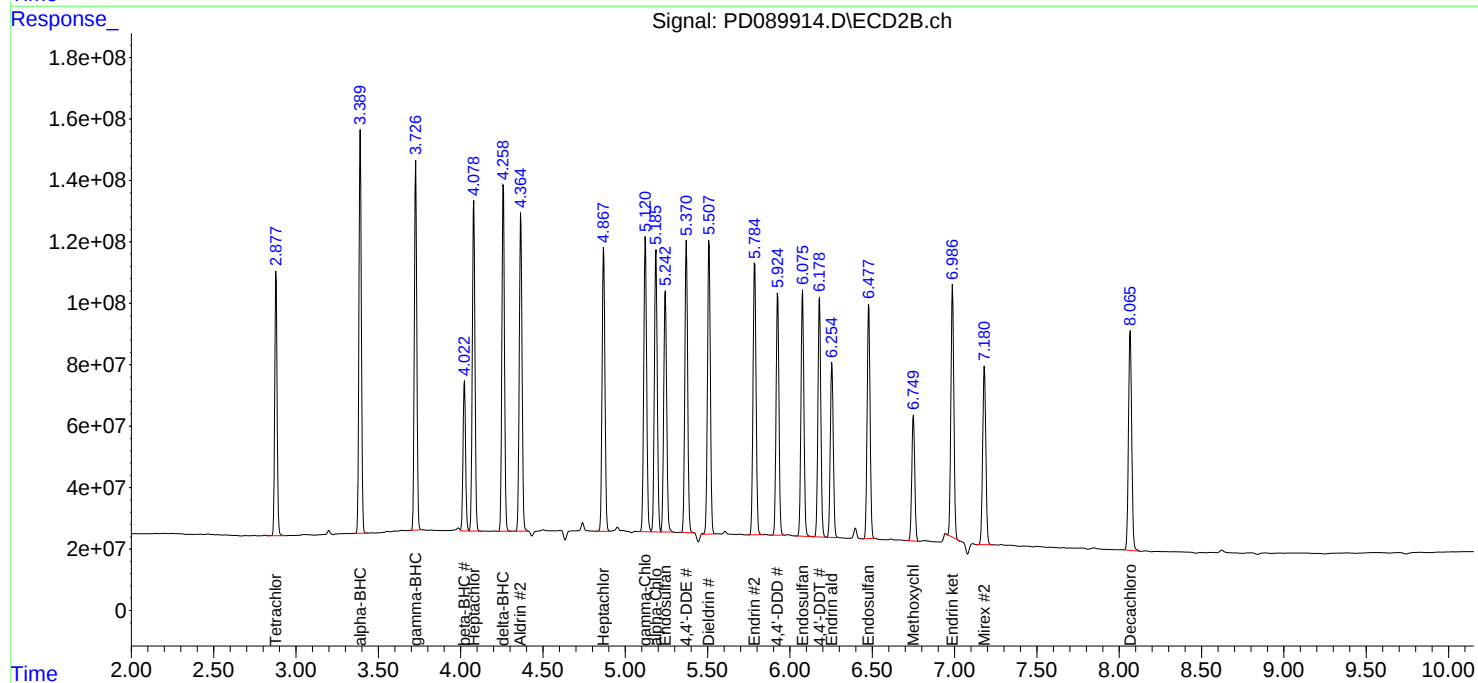
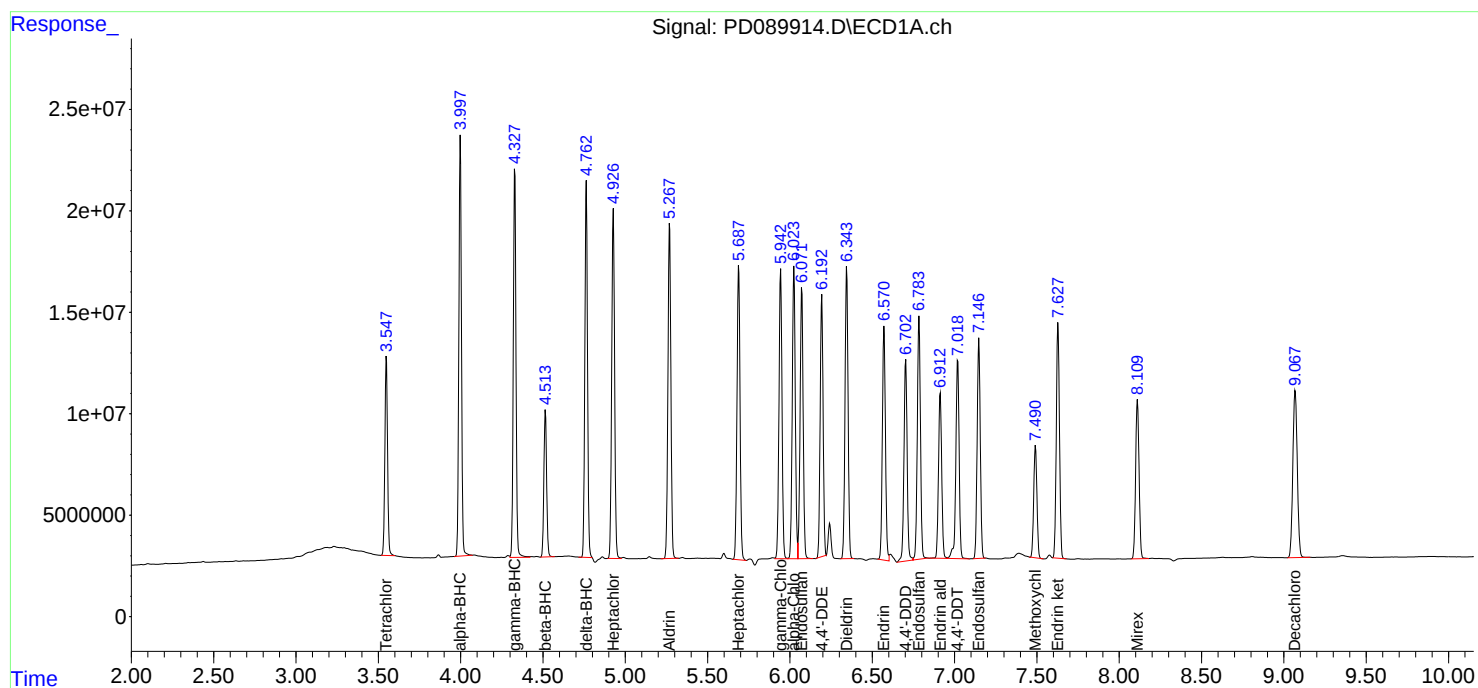
APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 07/31/2025 07/31/2025

Continuing Calib Time: 18:47

Initial Calibration Time(s): 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 07/31/2025 07/31/2025

Continuing Calib Time: 18:47

Initial Calibration Time(s): 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.79	5.79	5.69	5.89	0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG NO.: Q2832
 GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No.: CCAL02 Date Analyzed: 08/15/2025
 Lab Sample No.: PSTDCCC050 Data File : PD089927.D Time Analyzed: 18:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.069	8.971	9.171	42.760	50.000	-14.5
Endrin	6.572	6.472	6.672	44.560	50.000	-10.9
gamma-BHC (Lindane)	4.328	4.228	4.428	46.890	50.000	-6.2
Heptachlor	4.927	4.827	5.027	45.460	50.000	-9.1
Heptachlor epoxide	5.688	5.589	5.789	46.090	50.000	-7.8
Methoxychlor	7.491	7.392	7.592	43.140	50.000	-13.7
Tetrachloro-m-xylene	3.548	3.448	3.648	45.800	50.000	-8.4



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG NO.: Q2832
 GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No.: CCAL02 Date Analyzed: 08/15/2025
 Lab Sample No.: PSTDCCC050 Data File : PD089927.D Time Analyzed: 18:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.066	7.968	8.168	49.440	50.000	-1.1
Endrin	5.785	5.685	5.885	58.720	50.000	17.4
gamma-BHC (Lindane)	3.727	3.626	3.826	55.750	50.000	11.5
Heptachlor	4.079	3.979	4.179	54.290	50.000	8.6
Heptachlor epoxide	4.869	4.769	4.969	54.870	50.000	9.7
Methoxychlor	6.749	6.650	6.850	56.650	50.000	13.3
Tetrachloro-m-xylene	2.878	2.778	2.978	55.020	50.000	10.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
 Data File : PD089927.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 18:47
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:52:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	113.0E6	871.5E6	45.803	55.024
28)	SA Decachlor...	9.069	8.066	158.9E6	992.7E6	42.763	49.440
Target Compounds							
2)	A alpha-BHC	3.997	3.390	234.2E6	1353.9E6	47.270	55.705
3)	MA gamma-BHC...	4.328	3.727	222.8E6	1255.6E6	46.887	55.746
4)	MA Heptachlor	4.927	4.079	218.7E6	1260.1E6	45.463	54.293
5)	MB Aldrin	5.268	4.365	210.5E6	1239.0E6	46.104	55.686
6)	B beta-BHC	4.514	4.023	86534110	531.4E6	46.910	55.071
7)	B delta-BHC	4.762	4.259	215.1E6	1271.7E6	46.905	55.987
8)	B Heptachlo...	5.688	4.869	192.7E6	1127.5E6	46.089	54.867
9)	A Endosulfan I	6.072	5.242	176.1E6	989.3E6	44.423	50.609
10)	B gamma-Chl...	5.943	5.122	186.4E6	1210.8E6	44.603	55.919 #
11)	B alpha-Chl...	6.024	5.186	187.1E6	1159.4E6	44.504	55.681 #
12)	B 4,4'-DDE	6.193	5.371	164.2E6	1177.0E6	44.020	55.685 #
13)	MA Dieldrin	6.344	5.509	186.9E6	1204.9E6	44.260	55.684 #
14)	MA Endrin	6.572	5.785	159.4E6	1170.1E6	44.562	58.724 #
15)	B Endosulfa...	6.784	6.076	161.2E6	1026.9E6	43.942	54.626
16)	A 4,4'-DDD	6.701	5.925	133.2E6	981.3E6	44.475m	55.655 #
17)	MA 4,4'-DDT	7.018	6.179	140.6E6	1020.2E6	41.848	55.530 #
18)	B Endrin al...	6.913	6.255	113.0E6	734.2E6	45.274	56.828 #
19)	B Endosulfa...	7.147	6.478	145.7E6	981.6E6	42.002	52.875 #
20)	A Methoxychlor	7.491	6.749	77125114	555.0E6	43.135	56.654 #
21)	B Endrin ke...	7.628	6.987	155.7E6	1007.8E6	41.927	50.217
22)	Mirex	8.111	7.180	116.1E6	810.9E6	41.653	53.273 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

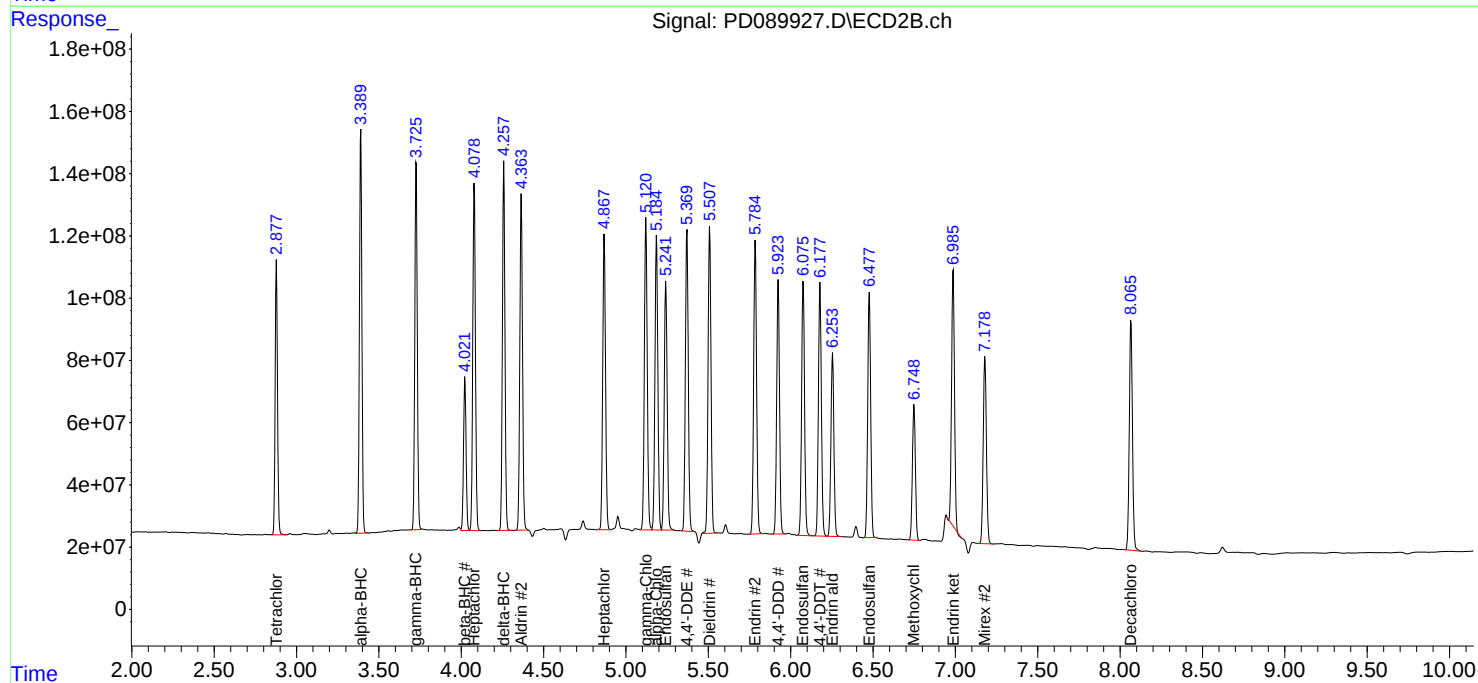
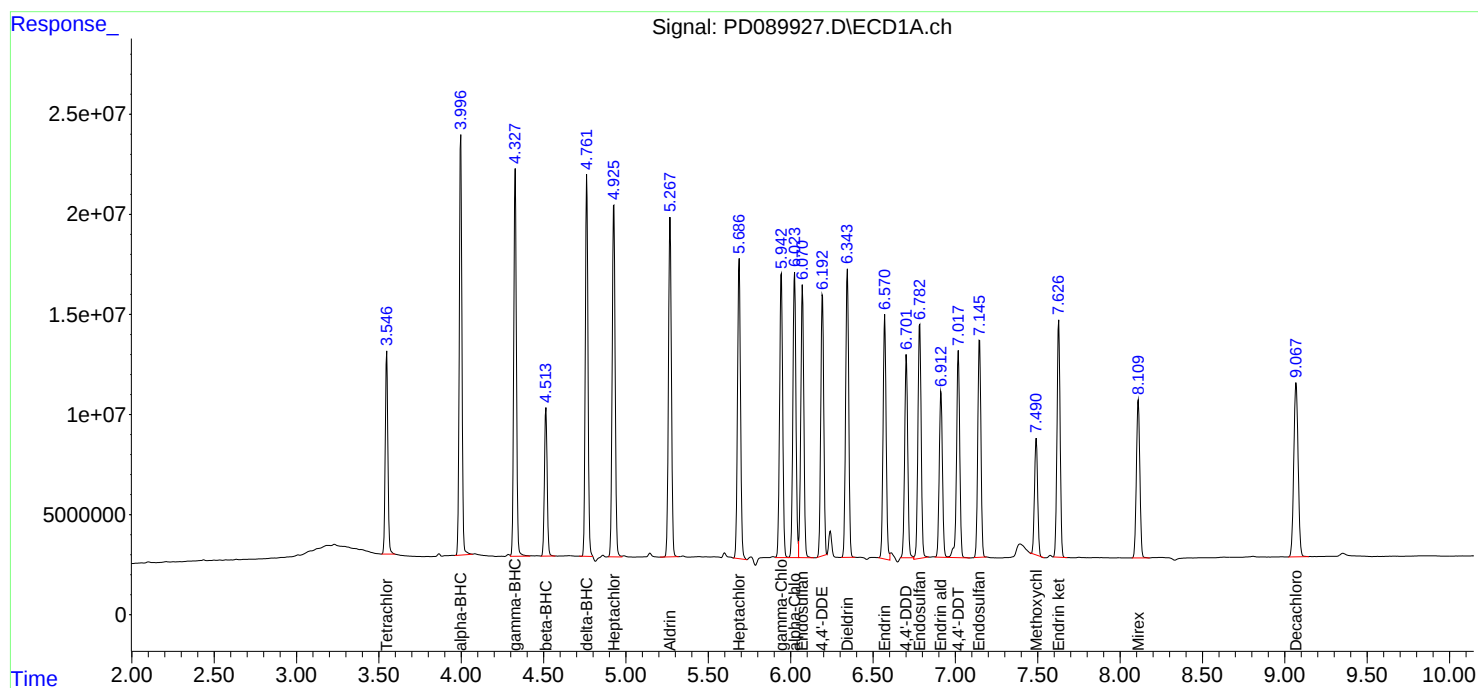
APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 07/31/2025 07/31/2025

Continuing Calib Time: 20:39

Initial Calibration Time(s): 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/15/2025

Initial Calibration Date(s): 07/31/2025

07/31/2025

Continuing Calib Time: 20:39

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.79	5.79	5.69	5.89	0.01
Methoxychlor	6.75	6.75	6.65	6.85	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG NO.: Q2832
 GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No.: CCAL03 Date Analyzed: 08/15/2025
 Lab Sample No.: PSTDCCC050 Data File : PD089935.D Time Analyzed: 20:39

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.068	8.971	9.171	44.170	50.000	-11.7
Endrin	6.571	6.472	6.672	44.210	50.000	-11.6
gamma-BHC (Lindane)	4.328	4.228	4.428	46.500	50.000	-7.0
Heptachlor	4.927	4.827	5.027	45.060	50.000	-9.9
Heptachlor epoxide	5.688	5.589	5.789	45.890	50.000	-8.2
Methoxychlor	7.490	7.392	7.592	43.220	50.000	-13.6
Tetrachloro-m-xylene	3.548	3.448	3.648	45.570	50.000	-8.9



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG NO.: Q2832
 GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No.: CCAL03 Date Analyzed: 08/15/2025
 Lab Sample No.: PSTDCCC050 Data File : PD089935.D Time Analyzed: 20:39

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.065	7.968	8.168	49.970	50.000	-0.1
Endrin	5.785	5.685	5.885	58.980	50.000	18.0
gamma-BHC (Lindane)	3.727	3.626	3.826	55.740	50.000	11.5
Heptachlor	4.080	3.979	4.179	54.350	50.000	8.7
Heptachlor epoxide	4.869	4.769	4.969	54.750	50.000	9.5
Methoxychlor	6.748	6.650	6.850	57.120	50.000	14.2
Tetrachloro-m-xylene	2.878	2.778	2.978	55.190	50.000	10.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
 Data File : PD089935.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 20:39
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:53:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	112.4E6	874.0E6	45.572	55.187
28)	SA Decachlor...	9.068	8.065	164.2E6	1003.2E6	44.172	49.965
Target Compounds							
2)	A alpha-BHC	3.998	3.391	231.4E6	1358.7E6	46.720	55.904
3)	MA gamma-BHC...	4.328	3.727	221.0E6	1255.5E6	46.504	55.740
4)	MA Heptachlor	4.927	4.080	216.8E6	1261.3E6	45.063	54.346
5)	MB Aldrin	5.268	4.365	209.1E6	1240.7E6	45.798	55.760
6)	B beta-BHC	4.514	4.023	85185617	530.3E6	46.179	54.955
7)	B delta-BHC	4.763	4.259	211.7E6	1270.3E6	46.159	55.924
8)	B Heptachlo...	5.688	4.869	191.8E6	1125.0E6	45.885	54.747
9)	A Endosulfan I	6.072	5.243	175.8E6	990.8E6	44.356	50.683
10)	B gamma-Chl...	5.943	5.121	186.9E6	1209.5E6	44.730	55.857
11)	B alpha-Chl...	6.024	5.186	187.1E6	1156.8E6	44.514	55.557
12)	B 4,4'-DDE	6.193	5.371	164.9E6	1178.7E6	44.216	55.764 #
13)	MA Dieldrin	6.344	5.508	185.7E6	1210.1E6	43.960	55.922 #
14)	MA Endrin	6.571	5.785	158.2E6	1175.1E6	44.205	58.975 #
15)	B Endosulfa...	6.784	6.076	160.2E6	1026.2E6	43.670	54.586
16)	A 4,4'-DDD	6.702	5.925	138.5E6	981.7E6	46.239	55.676
17)	MA 4,4'-DDT	7.018	6.179	141.3E6	1022.9E6	42.054	55.676 #
18)	B Endrin al...	6.913	6.254	112.6E6	728.1E6	45.107	56.350
19)	B Endosulfa...	7.147	6.477	145.7E6	978.9E6	41.986	52.725 #
20)	A Methoxychlor	7.490	6.748	77281786	559.5E6	43.223	57.120 #
21)	B Endrin ke...	7.627	6.986	155.4E6	1010.2E6	41.833	50.336
22)	Mirex	8.110	7.179	116.3E6	815.5E6	41.715	53.579 #

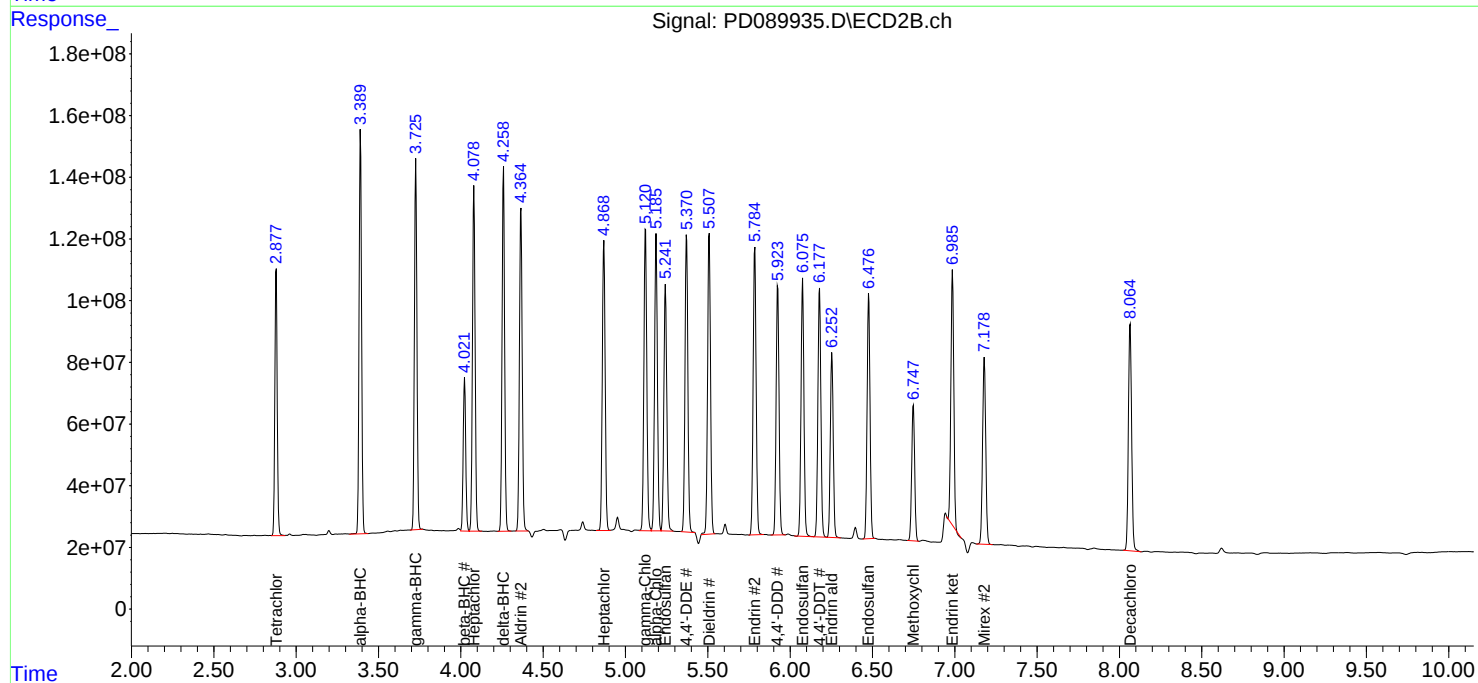
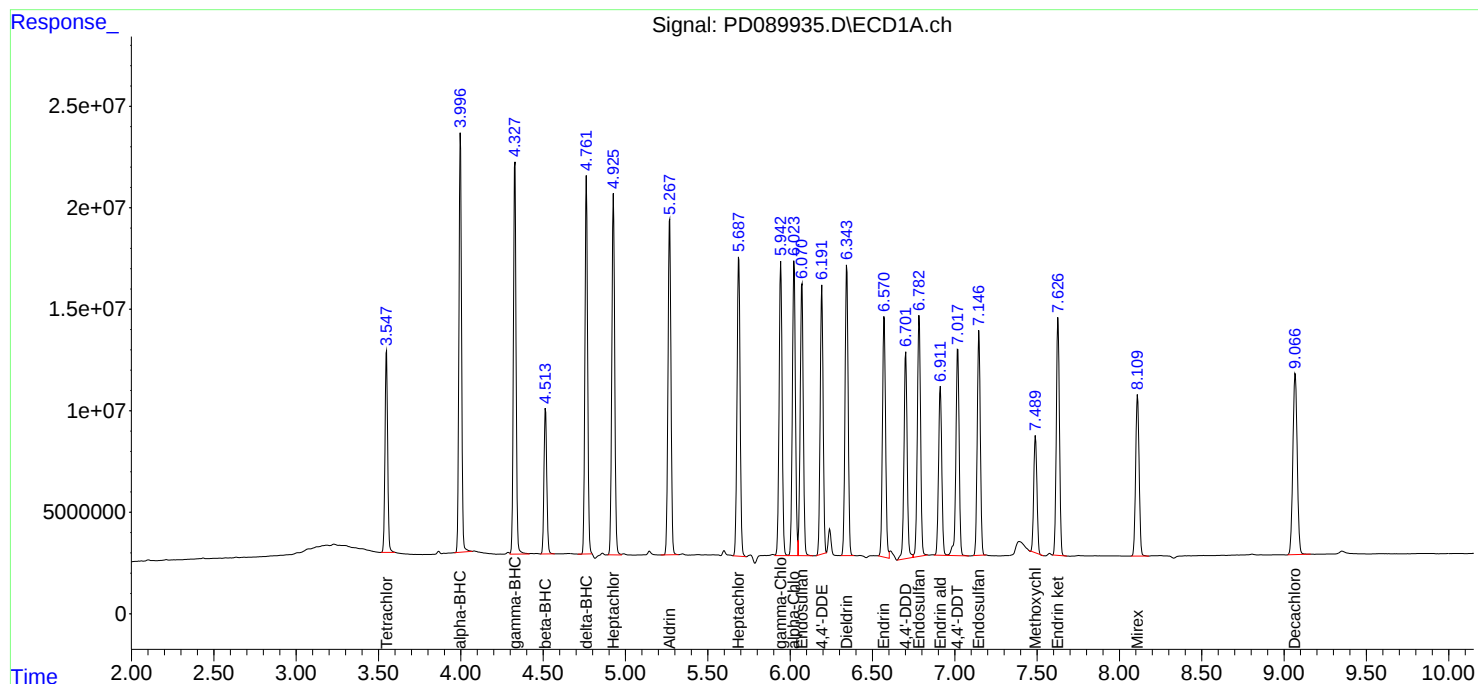
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 20:39
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:53:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/16/2025

Initial Calibration Date(s): 07/31/2025

07/31/2025

Continuing Calib Time: 00:05

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Continuing Calib Date: 08/16/2025

Initial Calibration Date(s): 07/31/2025 07/31/2025

Continuing Calib Time: 00:05

Initial Calibration Time(s): 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG NO.: Q2832
 GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No.: CCAL04 Date Analyzed: 08/16/2025
 Lab Sample No.: PSTDCCC050 Data File : PD089947.D Time Analyzed: 00:05

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.067	8.971	9.171	43.440	50.000	-13.1
Endrin	6.572	6.472	6.672	45.050	50.000	-9.9
gamma-BHC (Lindane)	4.329	4.228	4.428	47.250	50.000	-5.5
Heptachlor	4.927	4.827	5.027	45.500	50.000	-9.0
Heptachlor epoxide	5.688	5.589	5.789	45.580	50.000	-8.8
Methoxychlor	7.490	7.392	7.592	43.920	50.000	-12.2
Tetrachloro-m-xylene	3.549	3.448	3.648	46.330	50.000	-7.3



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: PORT06
 Lab Code: ACE SDG NO.: Q2832
 GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No.: CCAL04 Date Analyzed: 08/16/2025
 Lab Sample No.: PSTDCCC050 Data File : PD089947.D Time Analyzed: 00:05

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.066	7.968	8.168	49.230	50.000	-1.5
Endrin	5.786	5.685	5.885	63.120	50.000	26.2
gamma-BHC (Lindane)	3.727	3.626	3.826	56.770	50.000	13.5
Heptachlor	4.079	3.979	4.179	55.190	50.000	10.4
Heptachlor epoxide	4.869	4.769	4.969	55.650	50.000	11.3
Methoxychlor	6.749	6.650	6.850	57.690	50.000	15.4
Tetrachloro-m-xylene	2.879	2.778	2.978	55.970	50.000	11.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
 Data File : PD089947.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Aug 2025 00:05
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:56:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.879	114.3E6	886.4E6	46.333	55.968
28)	SA Decachlor...	9.067	8.066	161.4E6	988.4E6	43.438	49.226
Target Compounds							
2)	A alpha-BHC	3.998	3.390	235.0E6	1381.8E6	47.434	56.855
3)	MA gamma-BHC...	4.329	3.727	224.6E6	1278.7E6	47.255	56.768
4)	MA Heptachlor	4.927	4.079	218.9E6	1280.9E6	45.500	55.189
5)	MB Aldrin	5.268	4.365	211.1E6	1262.7E6	46.241	56.751
6)	B beta-BHC	4.515	4.023	86505680	538.9E6	46.895	55.846
7)	B delta-BHC	4.763	4.259	214.8E6	1290.1E6	46.846	56.794
8)	B Heptachlo...	5.688	4.869	190.6E6	1143.6E6	45.579	55.652
9)	A Endosulfan I	6.072	5.242	176.8E6	997.1E6	44.609	51.006
10)	B gamma-Chl...	5.943	5.121	187.1E6	1225.8E6	44.770	56.609 #
11)	B alpha-Chl...	6.024	5.186	187.6E6	1170.7E6	44.633	56.225 #
12)	B 4,4'-DDE	6.193	5.371	164.0E6	1193.0E6	43.961	56.439 #
13)	MA Dieldrin	6.344	5.508	185.9E6	1220.5E6	44.026	56.403 #
14)	MA Endrin	6.572	5.786	161.2E6	1257.7E6	45.051	63.123 #
15)	B Endosulfa...	6.784	6.076	161.4E6	1030.1E6	43.984	54.795
16)	A 4,4'-DDD	6.702	5.925	140.2E6	987.7E6	46.800	56.018
17)	MA 4,4'-DDT	7.018	6.179	142.2E6	1027.2E6	42.313	55.910 #
18)	B Endrin al...	6.912	6.254	112.9E6	733.9E6	45.225	56.799 #
19)	B Endosulfa...	7.147	6.477	146.5E6	989.3E6	42.216	53.288 #
20)	A Methoxychlor	7.490	6.749	78525285	565.1E6	43.919	57.685 #
21)	B Endrin ke...	7.627	6.987	155.3E6	1038.5E6	41.824	51.750
22)	Mirex	8.109	7.180	115.1E6	811.8E6	41.282	53.337 #

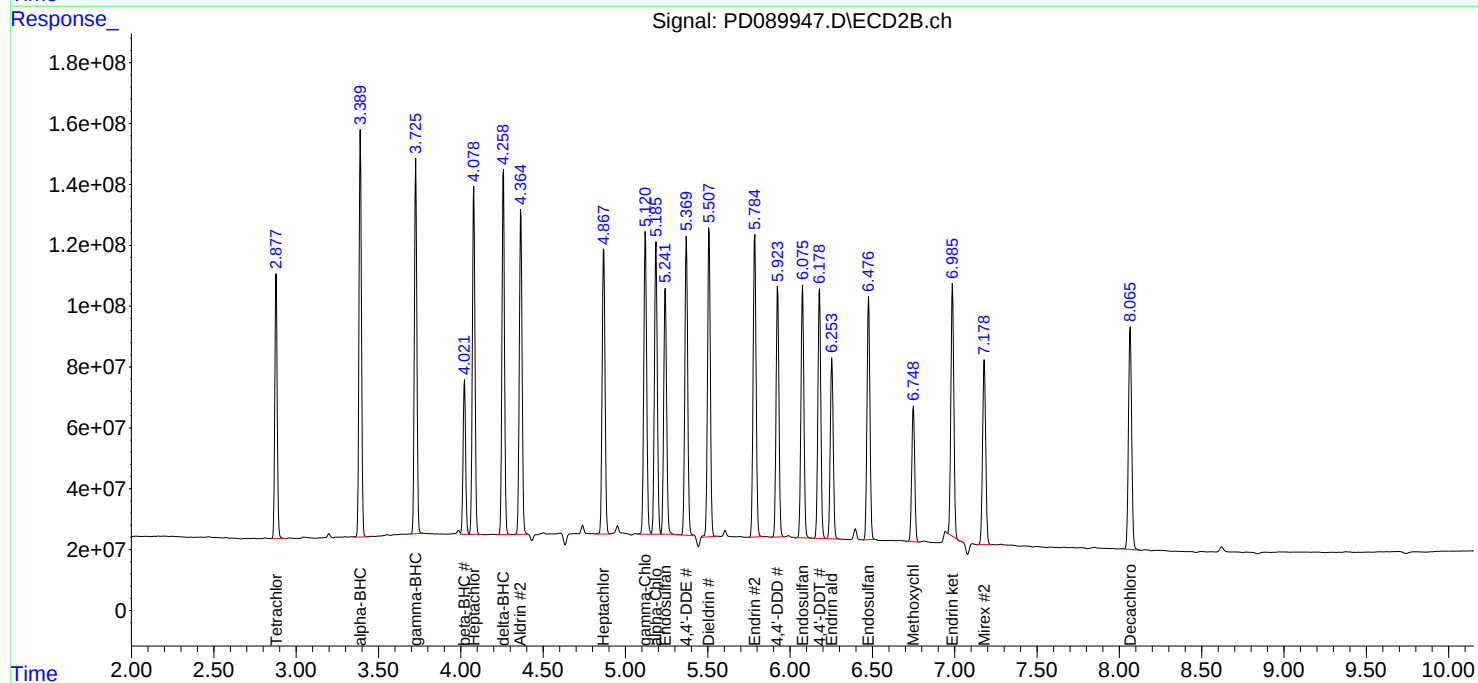
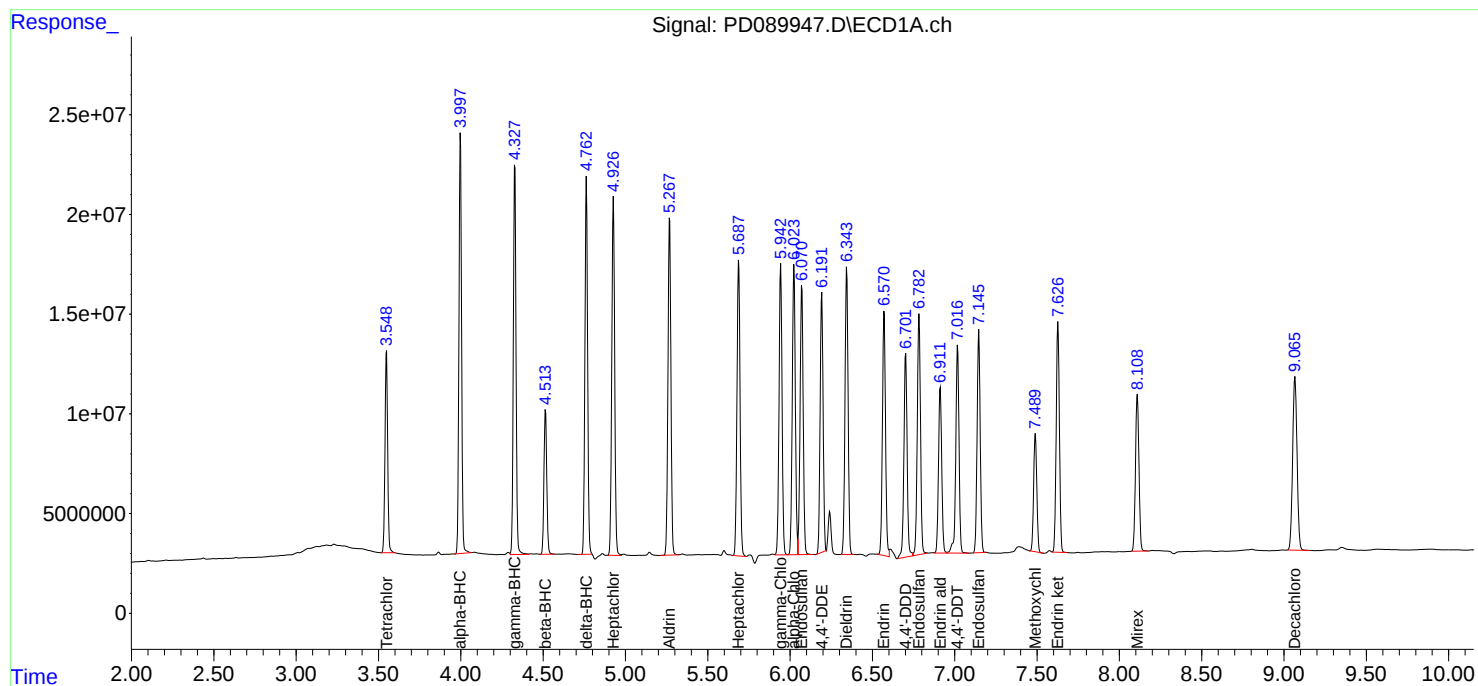
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Aug 2025 00:05
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:56:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089686.D Date Analyzed: 07/31/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:47

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.070	8.970	9.170	21.540	20.000	7.7
Tetrachloro-m-xylene	3.548	3.500	3.600	20.670	20.000	3.4
alpha-BHC	3.997	3.950	4.050	9.820	10.000	-1.8
beta-BHC	4.514	4.460	4.560	10.760	10.000	7.6
gamma-BHC (Lindane)	4.328	4.280	4.380	10.080	10.000	0.8
Endrin	6.572	6.500	6.640	54.730	50.000	9.5
4,4'-DDT	7.020	6.950	7.090	108.560	100.000	8.6
Methoxychlor	7.491	7.420	7.560	258.930	250.000	3.6

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089686.D Date Analyzed: 07/31/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:47

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.068	7.970	8.170	22.080	20.000	10.4
Tetrachloro-m-xylene	2.878	2.830	2.930	21.990	20.000	10.0
alpha-BHC	3.390	3.340	3.440	11.660	10.000	16.6
beta-BHC	4.022	3.970	4.070	11.840	10.000	18.4
gamma-BHC (Lindane)	3.726	3.680	3.780	11.700	10.000	17.0
Endrin	5.785	5.710	5.860	54.470	50.000	8.9
4,4'-DDT	6.179	6.110	6.250	108.020	100.000	8.0
Methoxychlor	6.750	6.680	6.820	237.190	250.000	-5.1

Data File: PEM
 PD089686.D Date Acquired 7/31/2025 10:47
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	195800927	198957010.7	3156083.71	1.59
Endrin aldehyde	6.92	642295.992			
Endrin ketone	7.63	2513787.715			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1085241845	1112231636	26989790.8	2.43
Endrin aldehyde #2	6.25	9551952.382			
Endrin ketone #2	6.98	17437838.39			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	364771708.3	367822517.1	3050808.84	0.83
4,4'-DDE	6.20	669534.489			
4,4'-DDD	6.70	2381274.353			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1984665033	2003214267	18549234.1	0.93
4,4'-DDE #2	5.37	2329969.565			
4,4'-DDD #2	5.93	16219264.57			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089686.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 10:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/01/2025
 Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 07:05:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	50972762	348.2E6	20.665	21.988
28)	SA Decachlor...	9.070	8.068	80035568	443.4E6	21.537	22.084
Target Compounds							
2)	A alpha-BHC	3.997	3.390	48629241	283.5E6	9.817	11.664
3)	MA gamma-BHC...	4.328	3.726	47886972	263.6E6	10.076	11.702
6)	B beta-BHC	4.514	4.022	19846516	114.3E6	10.759	11.842
12)	B 4,4'-DDE	6.196	5.371	669534	2329970	0.180m	0.110m#
14)	MA Endrin	6.572	5.785	195.8E6	1085.2E6	54.728	54.466
16)	A 4,4'-DDD	6.703	5.926	2381274	16219265	0.795	0.920m
17)	MA 4,4'-DDT	7.020	6.179	364.8E6	1984.7E6	108.555	108.023
18)	B Endrin al...	6.915	6.253	642296	9551952	0.257	0.739 #
20)	A Methoxychlor	7.491	6.750	463.0E6	2323.4E6	258.926	237.192
21)	B Endrin ke...	7.627	6.985	2513788	17437838	0.677m	0.869m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

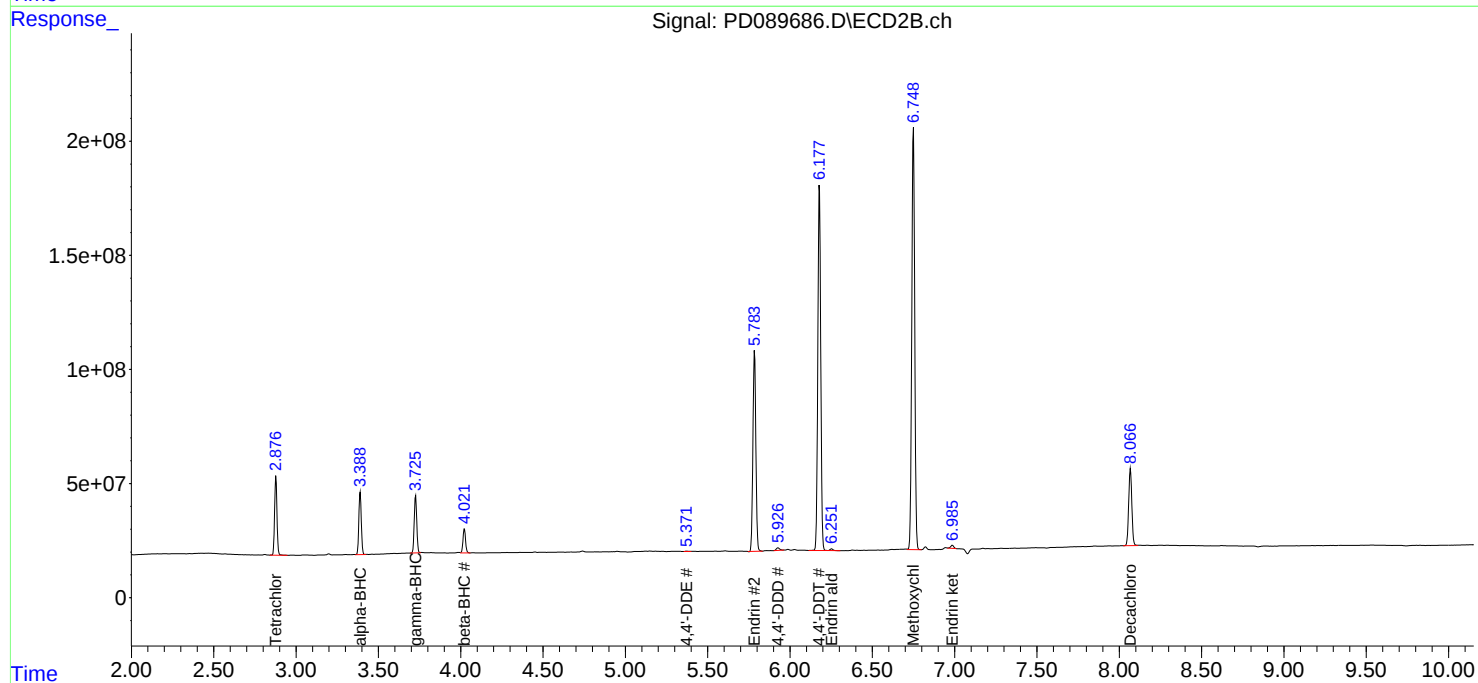
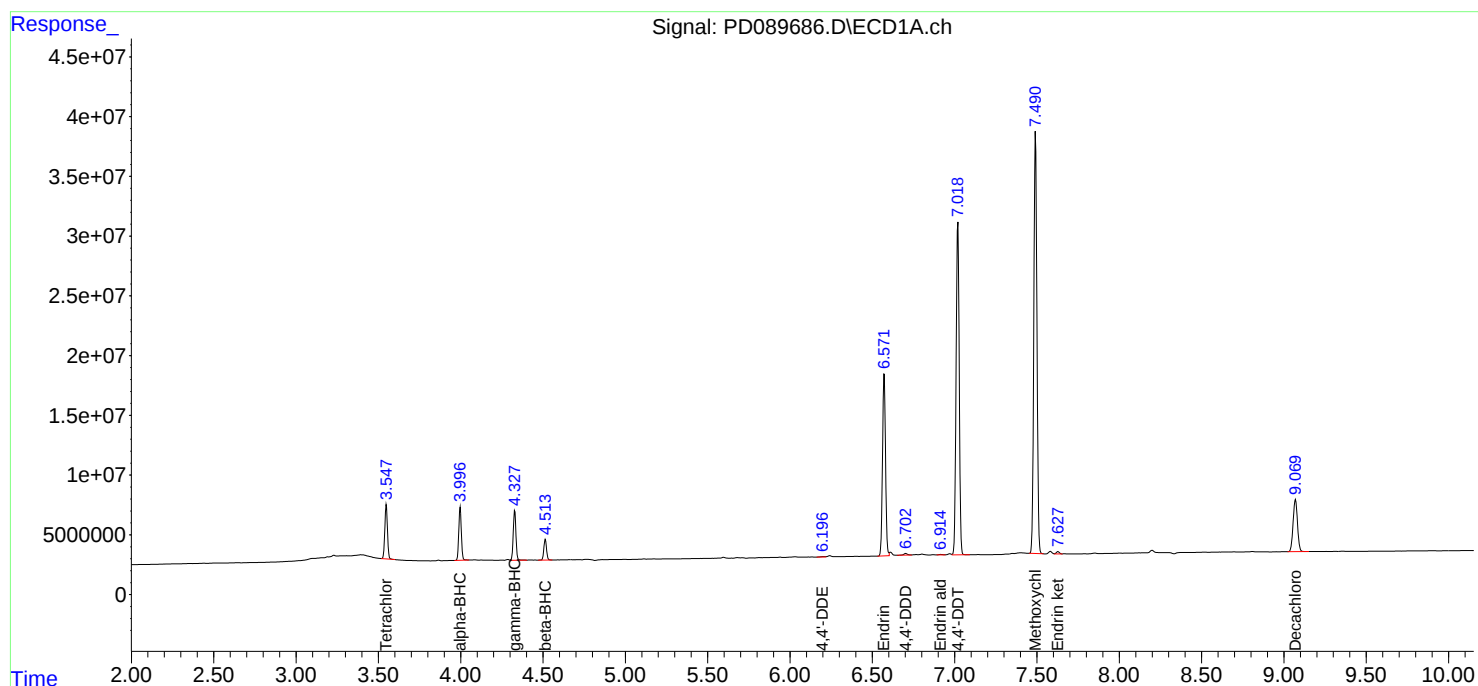
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/01/2025
Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089905.D Date Analyzed: 08/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:51

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.069	8.970	9.170	17.640	20.000	-11.8
Tetrachloro-m-xylene	3.549	3.500	3.600	18.190	20.000	-9.1
alpha-BHC	3.998	3.950	4.050	8.690	10.000	-13.1
beta-BHC	4.515	4.460	4.570	9.900	10.000	-1.0
gamma-BHC (Lindane)	4.329	4.280	4.380	9.180	10.000	-8.2
Endrin	6.572	6.500	6.640	44.810	50.000	-10.4
4,4'-DDT	7.019	6.950	7.090	82.830	100.000	-17.2
Methoxychlor	7.491	7.420	7.560	192.090	250.000	-23.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089905.D Date Analyzed: 08/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:51

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.066	7.970	8.170	22.150	20.000	10.8
Tetrachloro-m-xylene	2.878	2.830	2.930	22.930	20.000	14.7
alpha-BHC	3.390	3.340	3.440	12.470	10.000	24.7
beta-BHC	4.022	3.970	4.070	12.280	10.000	22.8
gamma-BHC (Lindane)	3.727	3.680	3.780	12.320	10.000	23.2
Endrin	5.785	5.710	5.860	56.160	50.000	12.3
4,4'-DDT	6.178	6.110	6.250	107.180	100.000	7.2
Methoxychlor	6.748	6.680	6.820	212.250	250.000	-15.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
 Data File : PD089905.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 09:51
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:49:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.878	44858826	363.1E6	18.187	22.925 #
28)	SA Decachlor...	9.069	8.066	65545586	444.6E6	17.638	22.146 #
Target Compounds							
2)	A alpha-BHC	3.998	3.390	43068367	303.0E6	8.694	12.467 #
3)	MA gamma-BHC...	4.329	3.727	43629196	277.5E6	9.181	12.322 #
6)	B beta-BHC	4.515	4.022	18260050	118.4E6	9.899	12.275
12)	B 4,4'-DDE	6.195	5.372	573434	2578539	0.154m	0.122m
14)	MA Endrin	6.572	5.785	160.3E6	1119.0E6	44.811	56.159 #
16)	A 4,4'-DDD	6.701	5.926	3920028	33503146	1.309m	1.900 #
17)	MA 4,4'-DDT	7.019	6.178	278.3E6	1969.1E6	82.832	107.178 #
18)	B Endrin al...	6.914	6.252	1169912	14986496	0.469	1.160 #
20)	A Methoxychlor	7.491	6.748	343.4E6	2079.1E6	192.087	212.254
21)	B Endrin ke...	7.626	6.983	3586671	47878958	0.966m	2.386m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:51
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

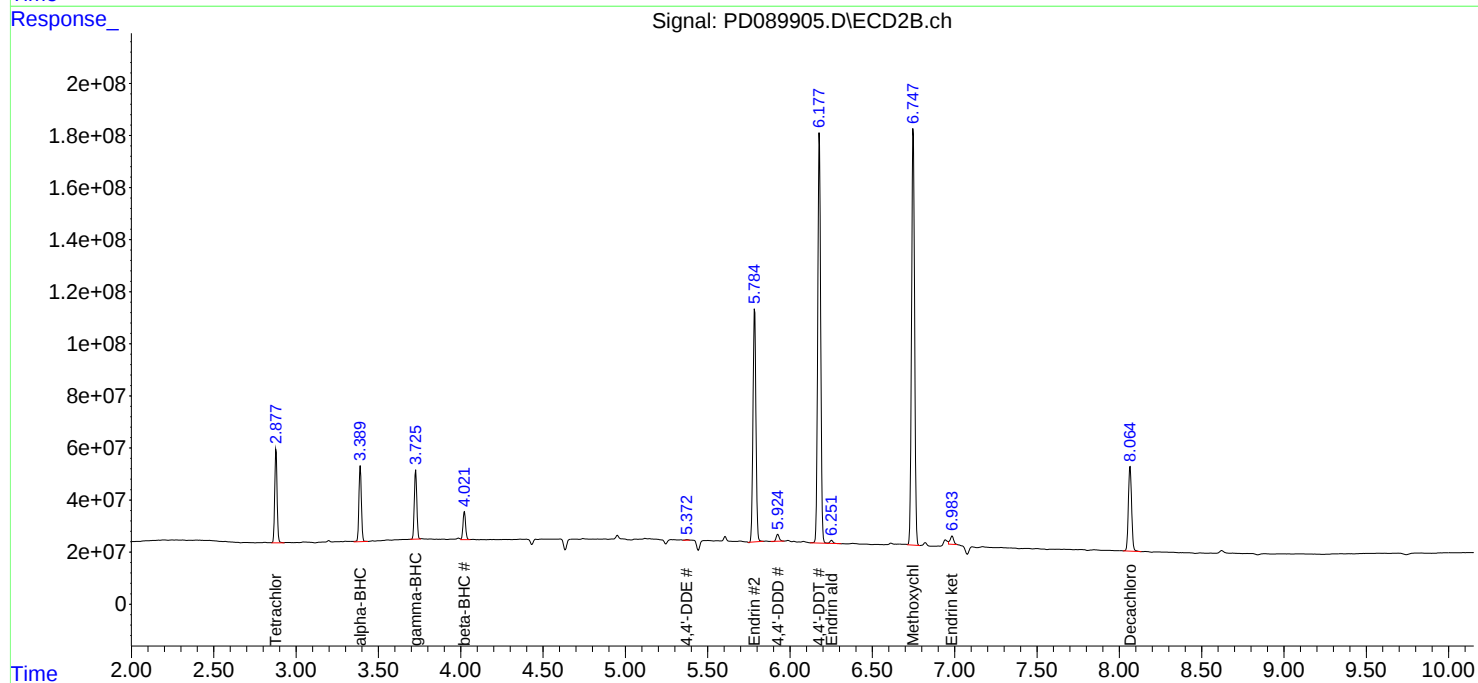
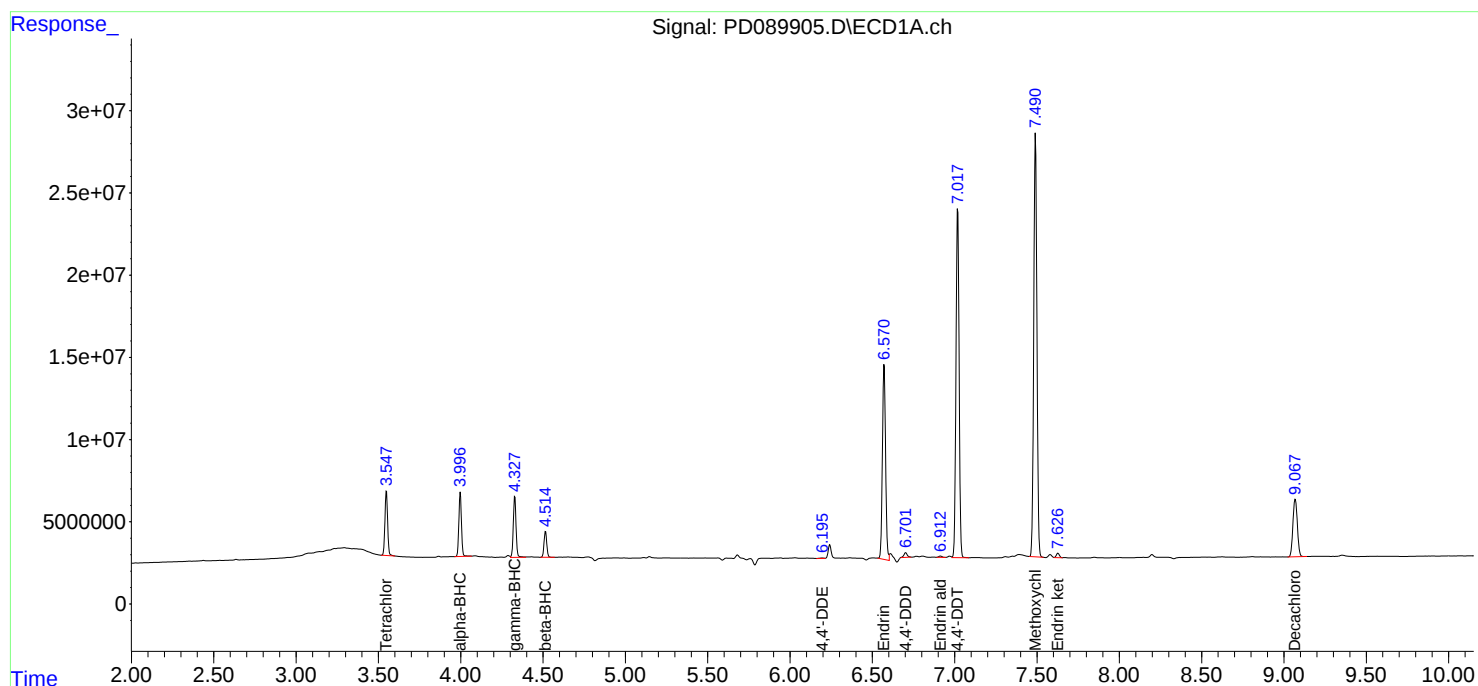
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:49:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089926.D Date Analyzed: 08/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:33

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.068	8.970	9.170	18.370	20.000	-8.2
Tetrachloro-m-xylene	3.548	3.500	3.600	18.110	20.000	-9.5
alpha-BHC	3.997	3.950	4.050	8.580	10.000	-14.2
beta-BHC	4.514	4.460	4.560	9.770	10.000	-2.3
gamma-BHC (Lindane)	4.327	4.280	4.380	8.750	10.000	-12.5
Endrin	6.572	6.500	6.640	44.840	50.000	-10.3
4,4'-DDT	7.018	6.950	7.090	83.400	100.000	-16.6
Methoxychlor	7.490	7.420	7.560	194.930	250.000	-22.0

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089926.D Date Analyzed: 08/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 18:33

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.066	7.970	8.170	20.880	20.000	4.4
Tetrachloro-m-xylene	2.878	2.830	2.930	22.770	20.000	13.9
alpha-BHC	3.389	3.340	3.440	12.060	10.000	20.6
beta-BHC	4.022	3.970	4.070	12.250	10.000	22.5
gamma-BHC (Lindane)	3.727	3.680	3.780	12.270	10.000	22.7
Endrin	5.785	5.710	5.860	57.440	50.000	14.9
4,4'-DDT	6.178	6.110	6.250	108.480	100.000	8.5
Methoxychlor	6.749	6.680	6.820	221.330	250.000	-11.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
 Data File : PD089926.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 18:33
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:52:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	44680830	360.6E6	18.114	22.766 #
28)	SA Decachlor...	9.068	8.066	68277163	419.2E6	18.373	20.878
Target Compounds							
2)	A alpha-BHC	3.997	3.389	42505578	293.0E6	8.581	12.057m#
3)	MA gamma-BHC...	4.327	3.727	41561315	276.3E6	8.745m	12.267 #
6)	B beta-BHC	4.514	4.022	18024628	118.2E6	9.771	12.245 #
14)	MA Endrin	6.572	5.785	160.4E6	1144.6E6	44.837	57.443 #
16)	A 4,4'-DDD	6.701	5.925	4005705	32800960	1.338m	1.860 #
17)	MA 4,4'-DDT	7.018	6.178	280.2E6	1993.0E6	83.396	108.478 #
18)	B Endrin al...	6.913	6.252	1182484	15215097	0.474	1.178 #
20)	A Methoxychlor	7.490	6.749	348.5E6	2168.1E6	194.931	221.333
21)	B Endrin ke...	7.627	6.983	2569173	55386340	0.692	2.760m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:33
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

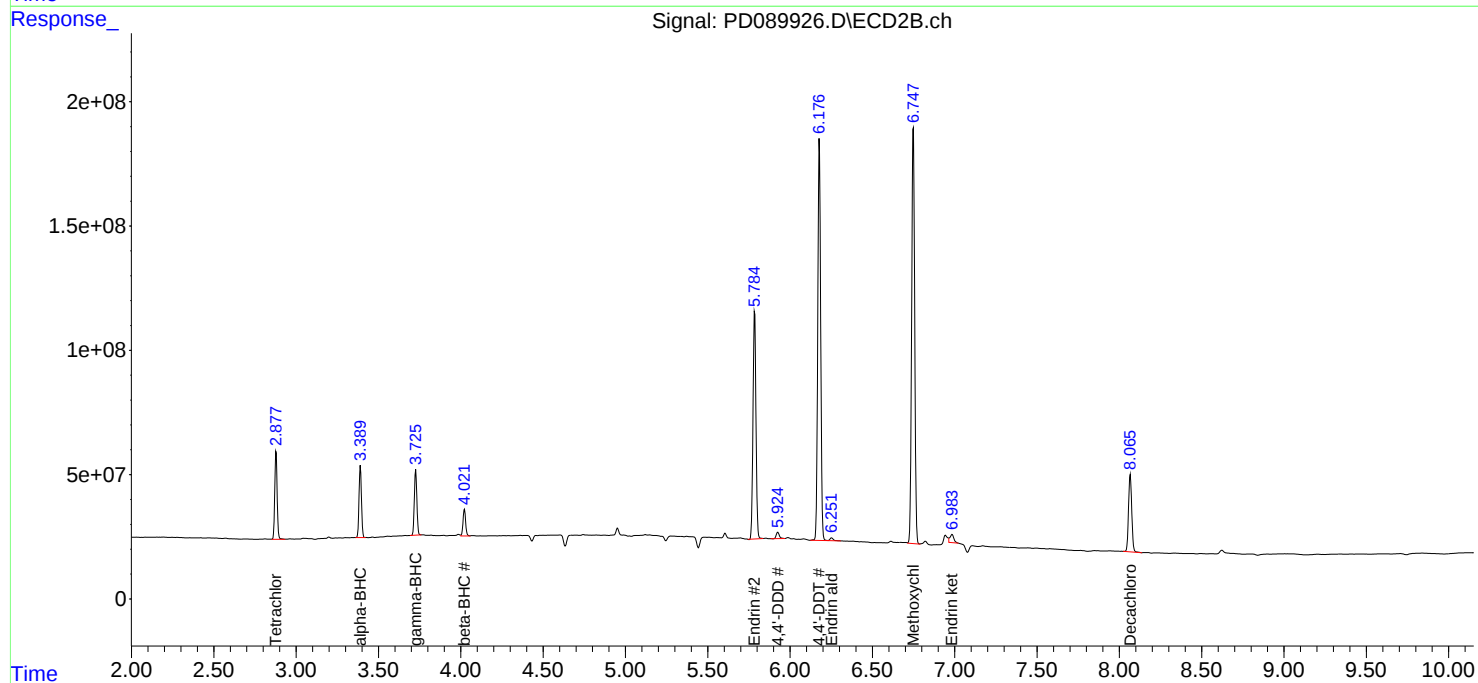
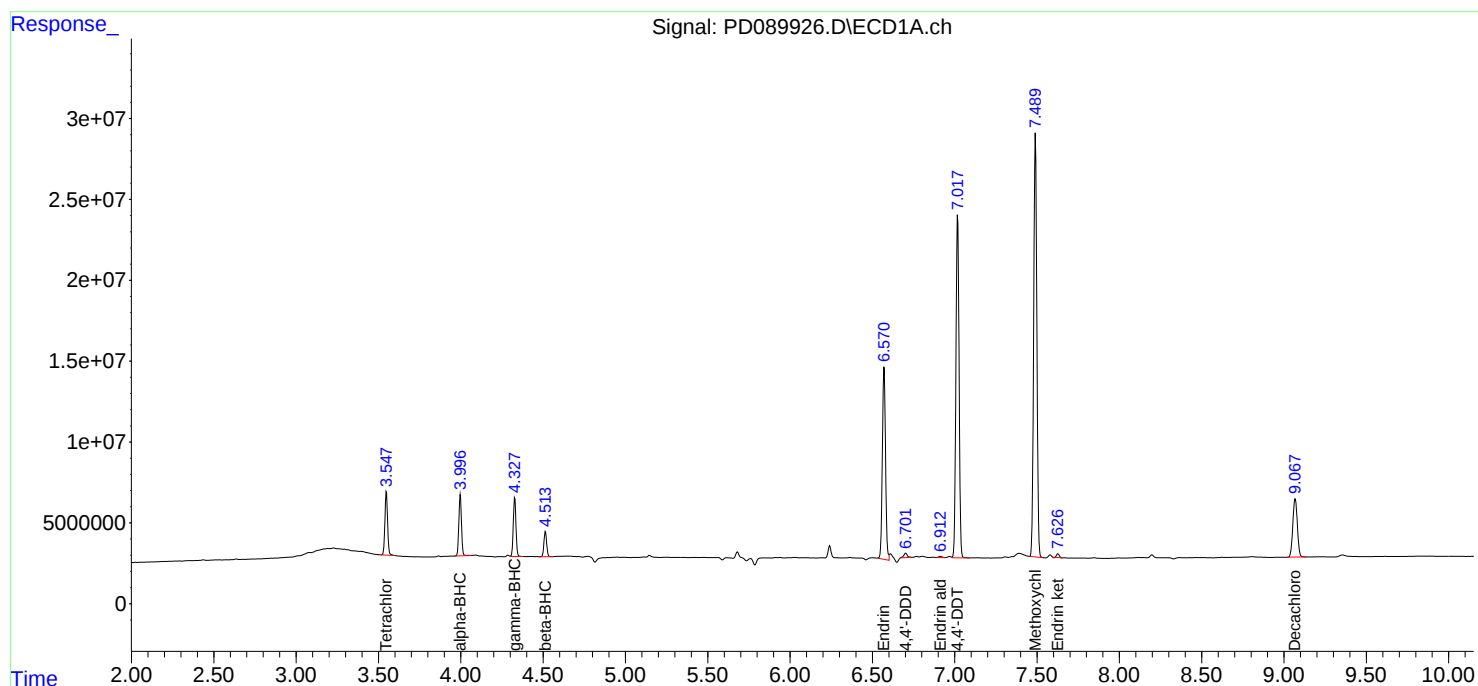
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:52:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089687.D
Acq On : 31 Jul 2025 11:34
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_D\Method\PD073125.M
Title : GC Extractables
Last Update : Fri Aug 01 07:03:58 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.555	5.952	100.00%
5.952	6.080	100.00%
6.080	6.202	100.00%
6.202	6.353	100.00%
6.353	7.156	100.00%
7.156	7.501	100.00%
7.501	7.637	100.00%
7.637	9.080	100.00%

Signal #2

2.877	5.123	100.00%
5.123	5.243	100.00%
5.243	5.372	100.00%
5.372	5.510	100.00%
5.510	6.480	100.00%
6.480	6.752	100.00%
6.752	6.989	100.00%
6.989	8.070	100.00%

PD073125.M Fri Aug 01 08:58:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089687.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 11:34
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 07:05:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.555	2.877	43497342	289.6E6	17.635	18.287
28)	SA Decachlor...	9.080	8.070	68540687	368.9E6	18.443	18.373
Target Compounds							
9)	A Endosulfan I	6.080	5.243	32929310	180.8E6	8.308	9.250
10)	B gamma-Chl...	5.952	5.123	36168921	212.0E6	8.655	9.788
12)	B 4,4'-DDE	6.202	5.372	65872916	408.9E6	17.661	19.345
13)	MA Dieldrin	6.353	5.510	73492529	408.2E6	17.401	18.863
19)	B Endosulfa...	7.156	6.480	62490576	353.7E6	18.008	19.054
20)	A Methoxychlor	7.501	6.752	158.7E6	839.7E6	88.775	85.727
21)	B Endrin ke...	7.637	6.989	66017266	381.6E6	17.775	19.017

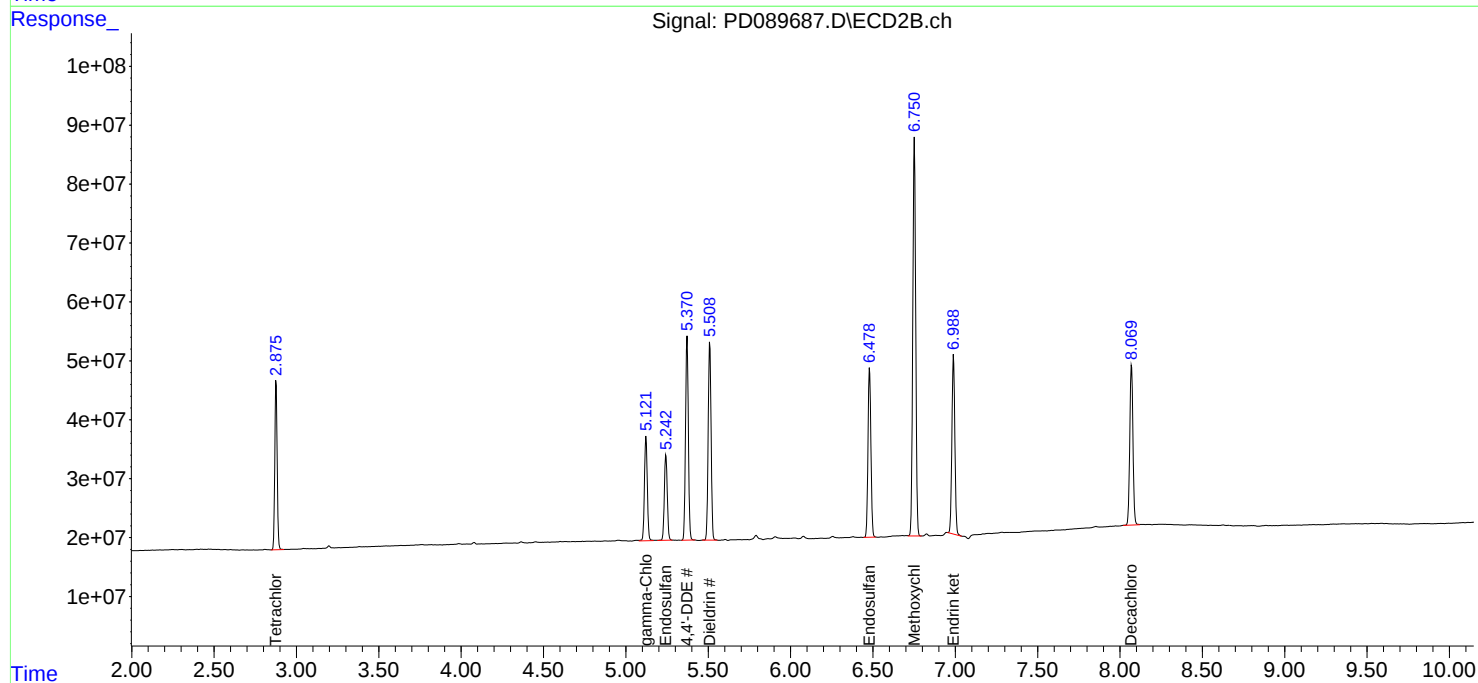
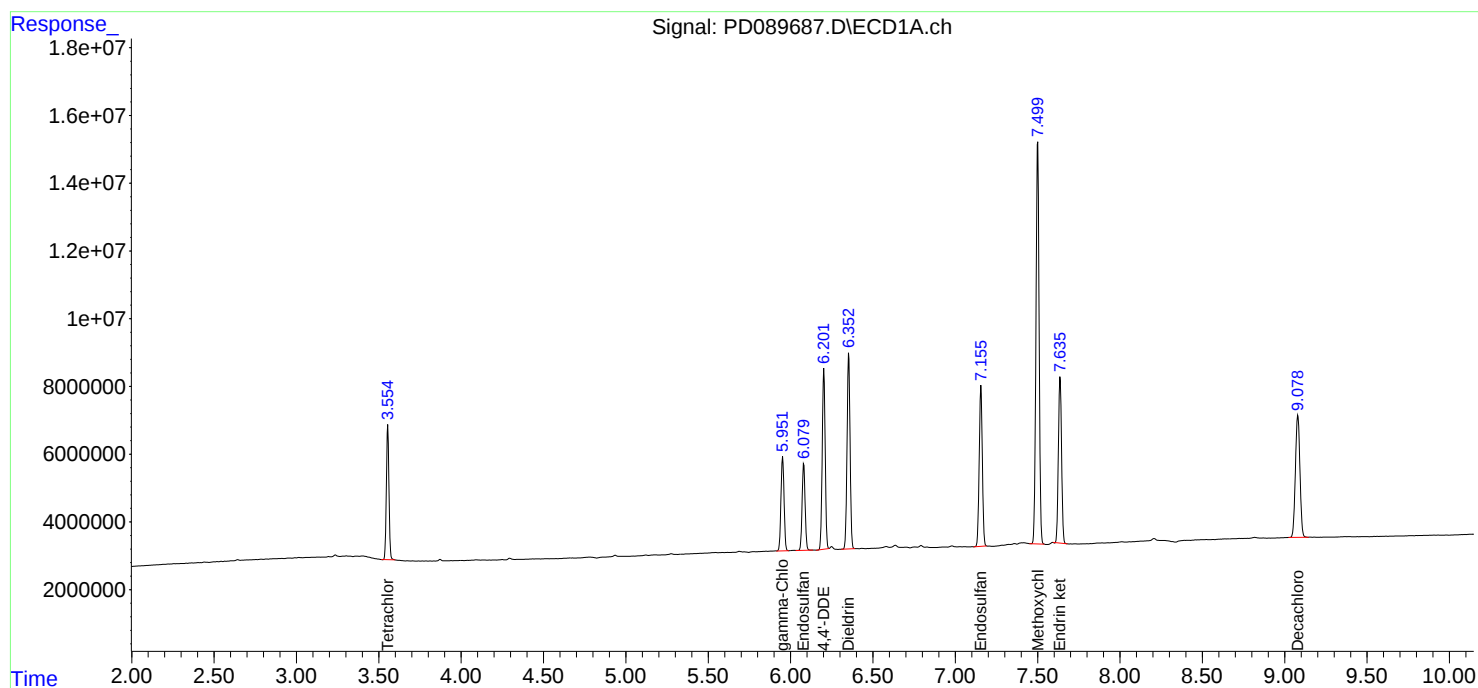
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:34
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2832
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 07/31/2025 07/31/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/31/2025	10:33	PD089685.D	9.08	3.56
PEM	PEM	07/31/2025	10:47	PD089686.D	9.07	3.55
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	9.08	3.56
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	9.07	3.55
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	9.07	3.55
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	9.07	3.55
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	9.07	3.55
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	9.07	3.55
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	9.07	3.55
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	9.07	3.55
PEM	PEM	08/15/2025	09:51	PD089905.D	9.07	3.55
IBLK	IBLK	08/15/2025	13:12	PD089913.D	9.08	3.56
PSTDCCC050	PSTDCCC050	08/15/2025	13:53	PD089914.D	9.07	3.55
TG-S01	Q2832-02	08/15/2025	16:43	PD089919.D	9.07	3.55
TG-S01MS	Q2832-02MS	08/15/2025	16:57	PD089920.D	9.07	3.55
TG-S01MSD	Q2832-02MSD	08/15/2025	17:10	PD089921.D	9.07	3.55
TG-S02	Q2832-04	08/15/2025	17:39	PD089922.D	9.08	3.56
TG-S03	Q2832-06	08/15/2025	17:52	PD089923.D	9.07	3.55
TG-S04	Q2832-08	08/15/2025	18:06	PD089924.D	9.07	3.55
IBLK	IBLK	08/15/2025	18:20	PD089925.D	9.07	3.55
PEM	PEM	08/15/2025	18:33	PD089926.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/15/2025	18:47	PD089927.D	9.07	3.55
TG-S05	Q2832-10	08/15/2025	19:04	PD089928.D	9.07	3.55
IBLK	IBLK	08/15/2025	20:26	PD089934.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/15/2025	20:39	PD089935.D	9.07	3.55
PB169263BL	PB169263BL	08/15/2025	21:34	PD089936.D	9.07	3.55
PB169263BS	PB169263BS	08/15/2025	21:48	PD089937.D	9.07	3.55
PB169212TB	PB169212TB	08/15/2025	22:02	PD089938.D	9.07	3.55
IBLK	IBLK	08/15/2025	23:38	PD089945.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/16/2025	00:05	PD089947.D	9.07	3.55

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2832
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 07/31/2025 07/31/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/31/2025	10:33	PD089685.D	8.07	2.88
PEM	PEM	07/31/2025	10:47	PD089686.D	8.07	2.88
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	8.07	2.88
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	8.07	2.88
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	8.07	2.88
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	8.07	2.88
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	8.07	2.88
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	8.07	2.88
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	8.07	2.88
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	8.07	2.88
PEM	PEM	08/15/2025	09:51	PD089905.D	8.07	2.88
IBLK	IBLK	08/15/2025	13:12	PD089913.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/15/2025	13:53	PD089914.D	8.07	2.88
TG-S01	Q2832-02	08/15/2025	16:43	PD089919.D	8.07	2.88
TG-S01MS	Q2832-02MS	08/15/2025	16:57	PD089920.D	8.07	2.88
TG-S01MSD	Q2832-02MSD	08/15/2025	17:10	PD089921.D	8.07	2.88
TG-S02	Q2832-04	08/15/2025	17:39	PD089922.D	8.07	2.88
TG-S03	Q2832-06	08/15/2025	17:52	PD089923.D	8.07	2.88
TG-S04	Q2832-08	08/15/2025	18:06	PD089924.D	8.07	2.88
IBLK	IBLK	08/15/2025	18:20	PD089925.D	8.07	2.88
PEM	PEM	08/15/2025	18:33	PD089926.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/15/2025	18:47	PD089927.D	8.07	2.88
TG-S05	Q2832-10	08/15/2025	19:04	PD089928.D	8.07	2.88
IBLK	IBLK	08/15/2025	20:26	PD089934.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/15/2025	20:39	PD089935.D	8.07	2.88
PB169263BL	PB169263BL	08/15/2025	21:34	PD089936.D	8.07	2.88
PB169263BS	PB169263BS	08/15/2025	21:48	PD089937.D	8.07	2.88
PB169212TB	PB169212TB	08/15/2025	22:02	PD089938.D	8.07	2.88
IBLK	IBLK	08/15/2025	23:38	PD089945.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/16/2025	00:05	PD089947.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169263BS

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Lab Sample ID: PB169263BS

Date(s) Analyzed: 08/15/2025 08/15/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	0.44	25.5
	2	6.75	6.70	6.80	0.56	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.48	18.2
	2	3.73	3.68	3.78	0.58	
Heptachlor	1	4.93	4.88	4.98	0.47	18
	2	4.08	4.03	4.13	0.56	
Heptachlor epoxide	1	5.69	5.64	5.74	0.47	20.2
	2	4.87	4.82	4.92	0.57	
Endrin	1	6.57	6.52	6.62	0.46	22.4
	2	5.79	5.74	5.84	0.57	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TG-S01MS

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Lab Sample ID: Q2832-02MS

Date(s) Analyzed: 08/15/2025 08/15/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	4.30	20.8
	2	6.75	6.70	6.80	5.30	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.10	14.5
	2	3.73	3.68	3.78	5.90	
Heptachlor	1	4.93	4.88	4.98	4.60	16
	2	4.08	4.03	4.13	5.40	
Heptachlor epoxide	1	5.69	5.64	5.74	4.70	21
	2	4.87	4.82	4.92	5.80	
Endrin	1	6.57	6.52	6.62	4.70	17.5
	2	5.79	5.74	5.84	5.60	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TG-S01MSD

Lab Name: Alliance

Contract: PORT06

Lab Code: ACE

SDG NO.: Q2832

Lab Sample ID: Q2832-02MSD

Date(s) Analyzed: 08/15/2025 08/15/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	4.30	22.7
	2	6.75	6.70	6.80	5.40	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.10	14.5
	2	3.73	3.68	3.78	5.90	
Heptachlor	1	4.93	4.88	4.98	4.60	17.8
	2	4.08	4.03	4.13	5.50	
Heptachlor epoxide	1	5.69	5.64	5.74	4.80	18.9
	2	4.87	4.82	4.92	5.80	
Endrin	1	6.57	6.52	6.62	4.70	21
	2	5.79	5.74	5.84	5.80	



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169263BL	SDG No.:	Q2832
Lab Sample ID:	PB169263BL	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089936.D	1	08/15/25 09:50	08/15/25 21:34	PB169263

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	26.0		30 (57) - 150 (171)	130%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.3		30 (61) - 150 (148)	131%	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_D\Data\PD081625\
Data File : PD089936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 21:34
Operator : AR\AJ
Sample : PB169263BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169263BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:54:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	50362425	415.9E6	20.418	26.262 #
28)	SA Decachlor...	9.068	8.065	82929624	522.9E6	22.315	26.044

Target Compounds

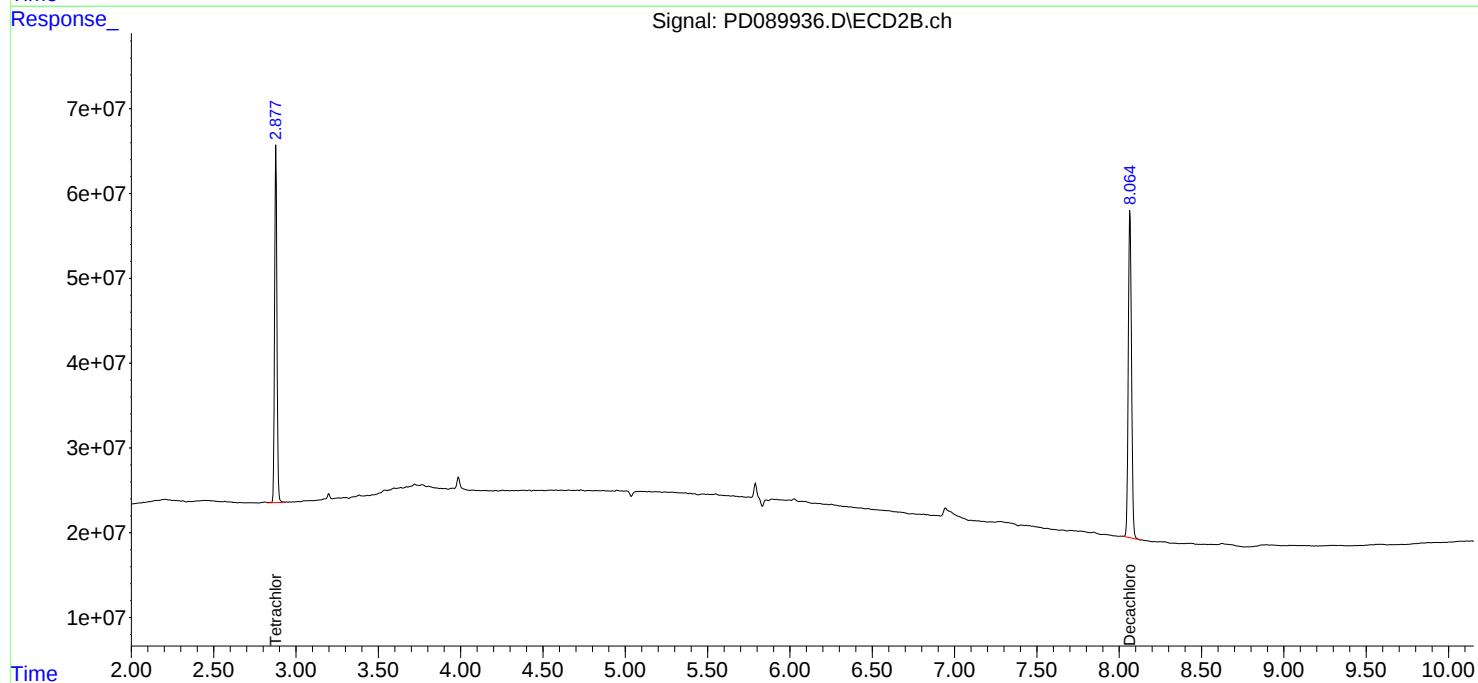
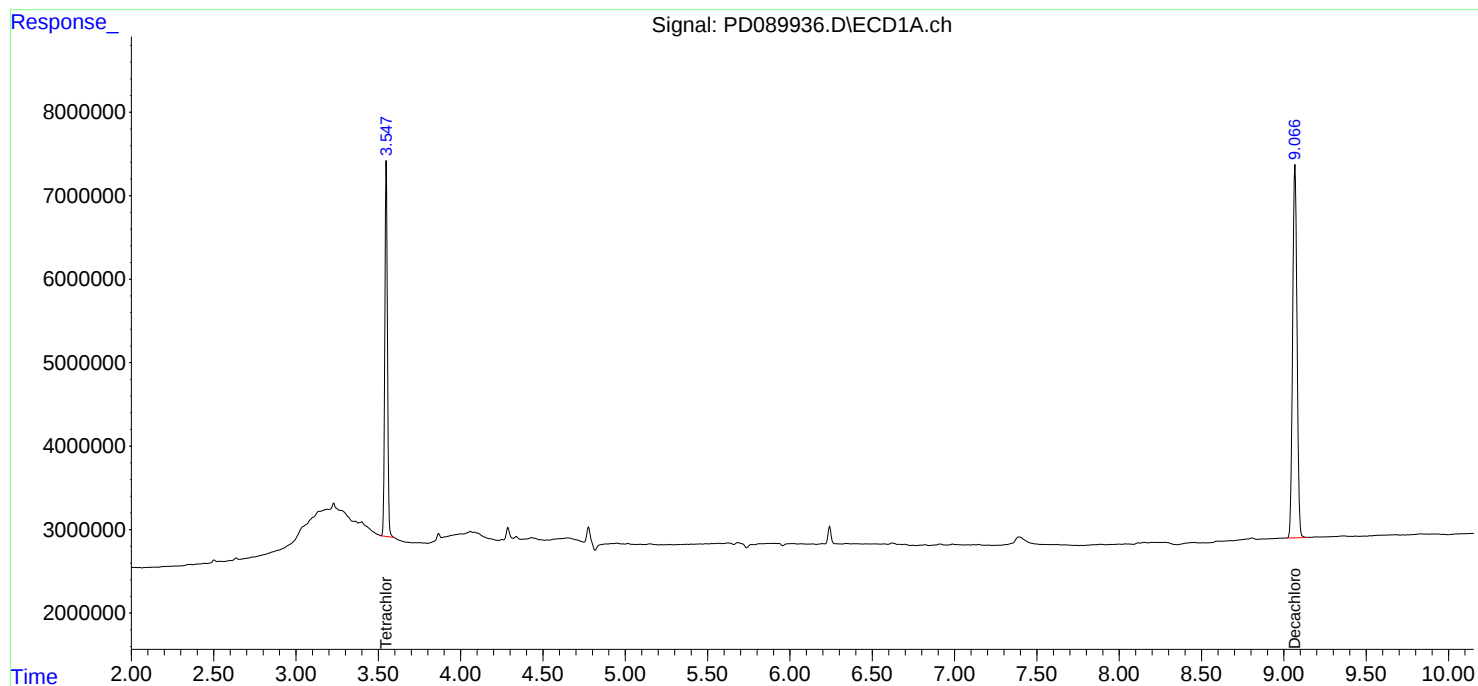
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

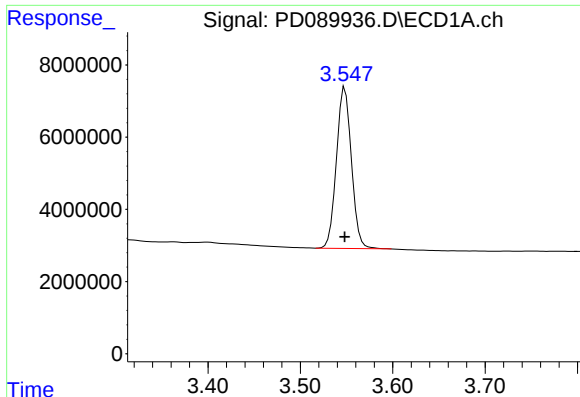
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 21:34
Operator : AR\AJ
Sample : PB169263BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169263BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:54:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

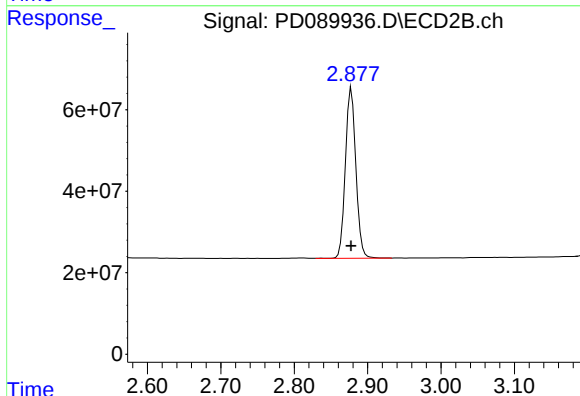




#1 Tetrachloro-m-xylene

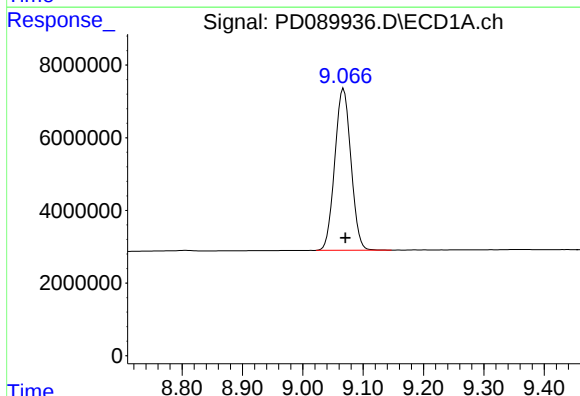
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 50362425
Conc: 20.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169263BL



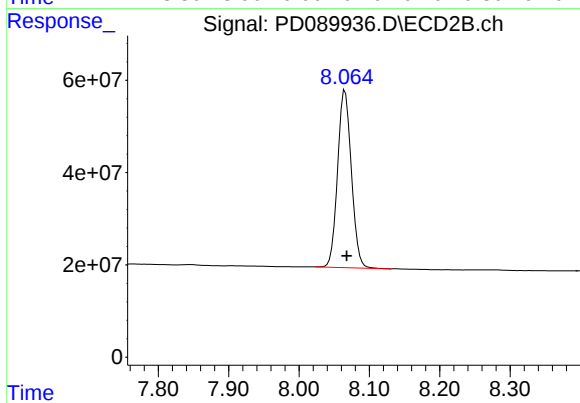
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 415928501
Conc: 26.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 82929624
Conc: 22.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 522908751
Conc: 26.04 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	07/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PD089685.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089685.D	1		07/31/25	pd073125

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 (57) - 150 (171)	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		30 (61) - 150 (148)	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_D\Data\PD073125\
Data File : PD089685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.555	2.877	48438502	323.8E6	19.638	20.442
28)	SA Decachlor...	9.080	8.070	77499630	419.1E6	20.854	20.872

Target Compounds

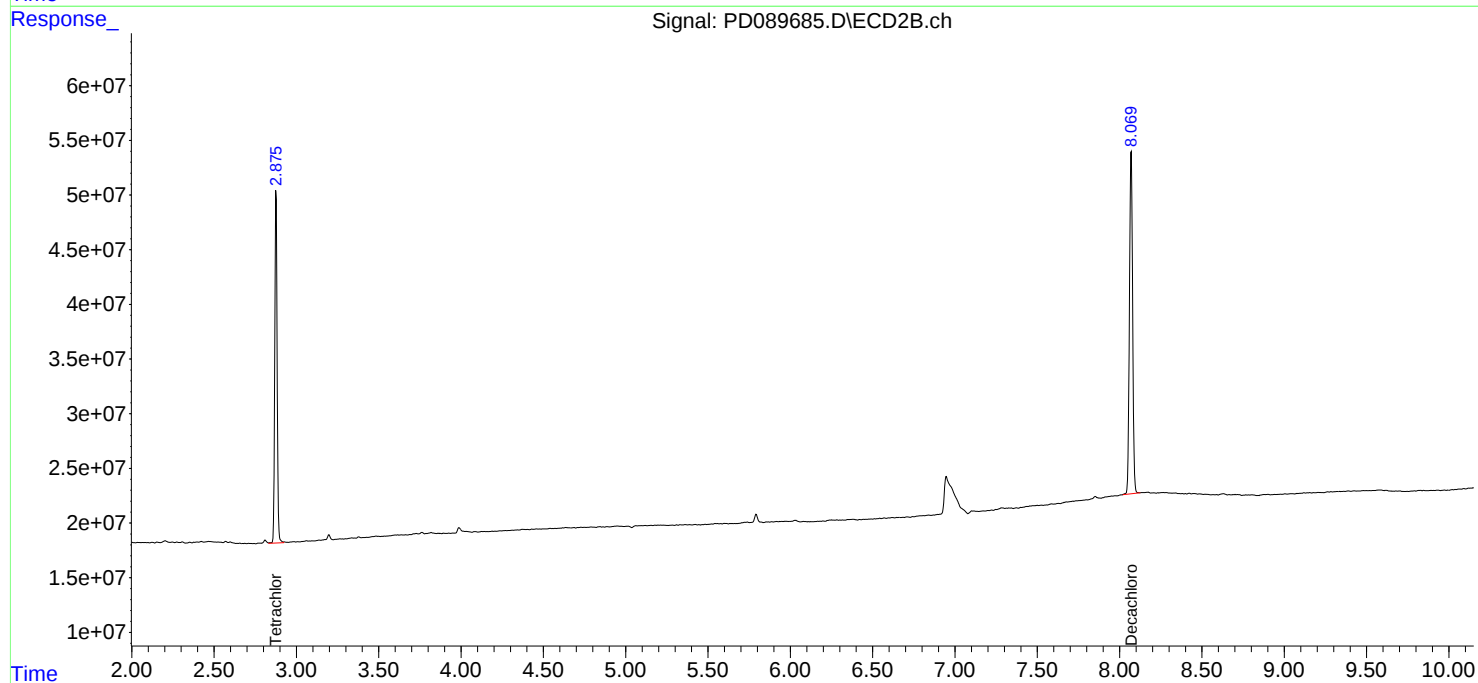
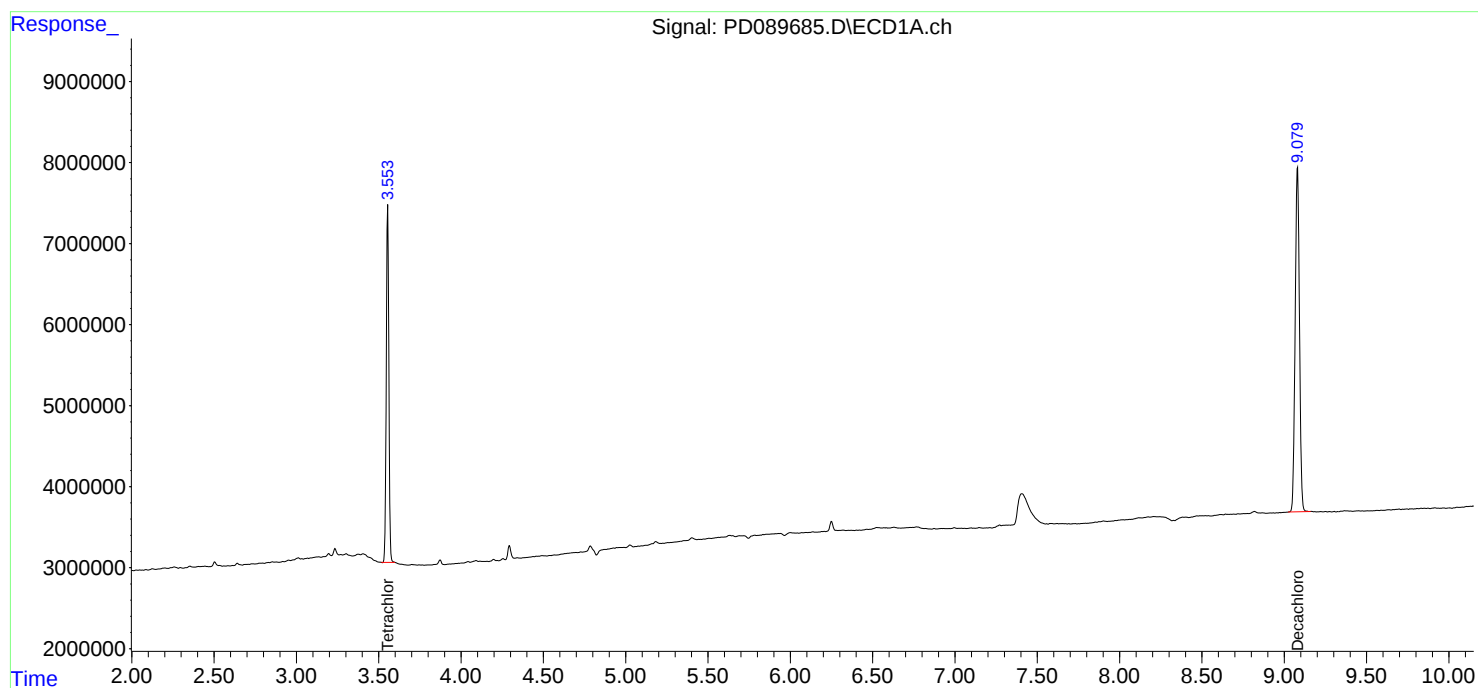
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

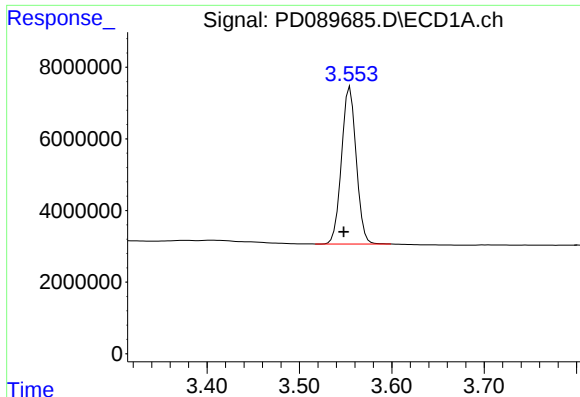
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 01 07:05:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

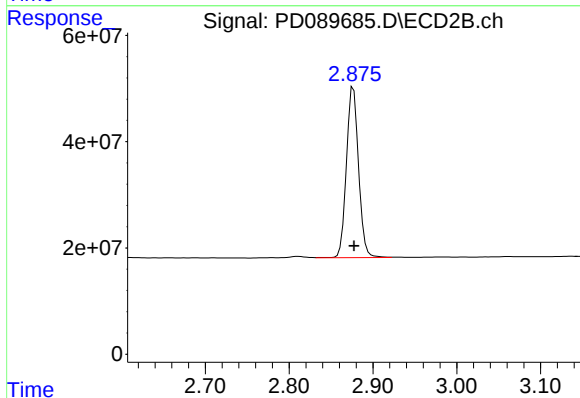




#1 Tetrachloro-m-xylene

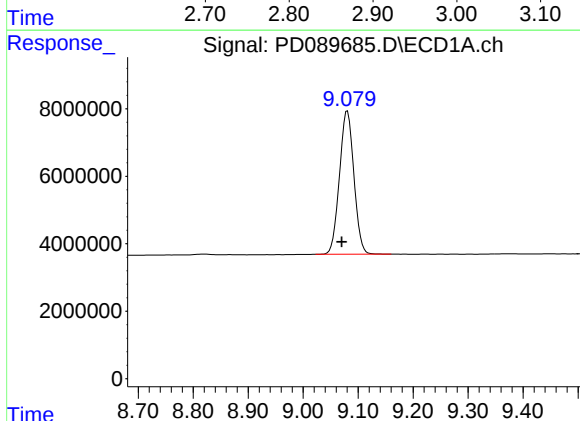
R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 48438502
Conc: 19.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



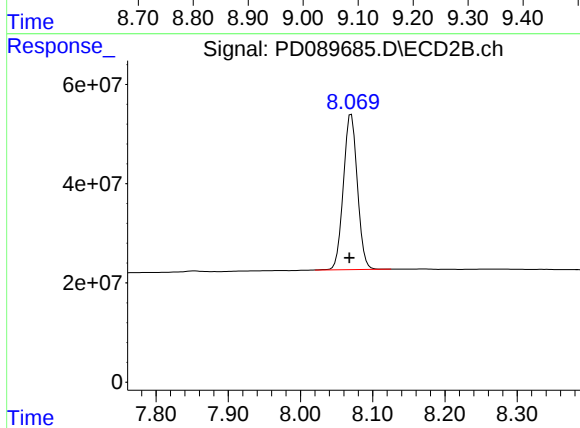
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 323764927
Conc: 20.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.010 min
Response: 77499630
Conc: 20.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.003 min
Response: 419071996
Conc: 20.87 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/15/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/15/25
Client Sample ID:	PIBLK-PD089913.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PD089913.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089913.D	1		08/15/25	pd081625

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	23.1		30 (57) - 150 (171)	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		30 (61) - 150 (148)	123%	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_D\Data\PD081625\
Data File : PD089913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.556	2.877	47548766	388.7E6	19.277	24.542 #
28)	SA Decachlor...	9.079	8.067	73001070	464.5E6	19.644	23.133m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 13:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

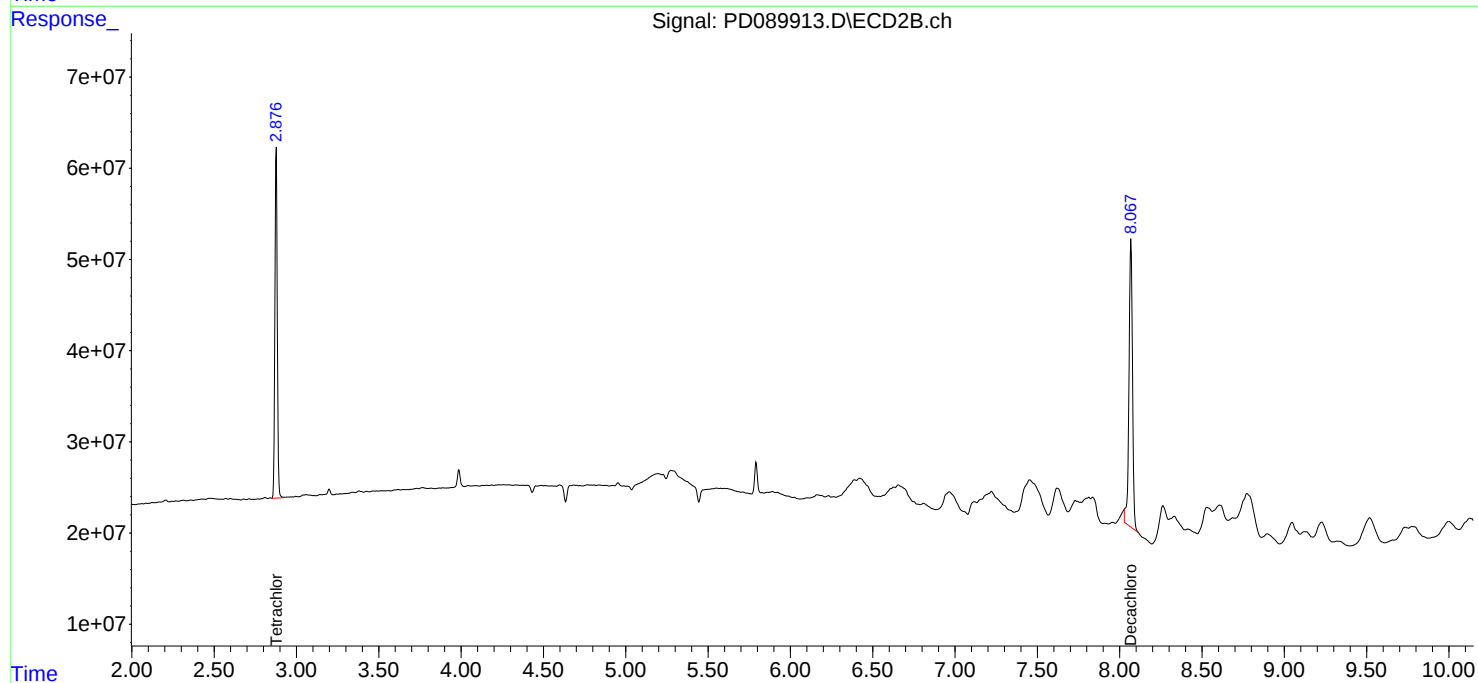
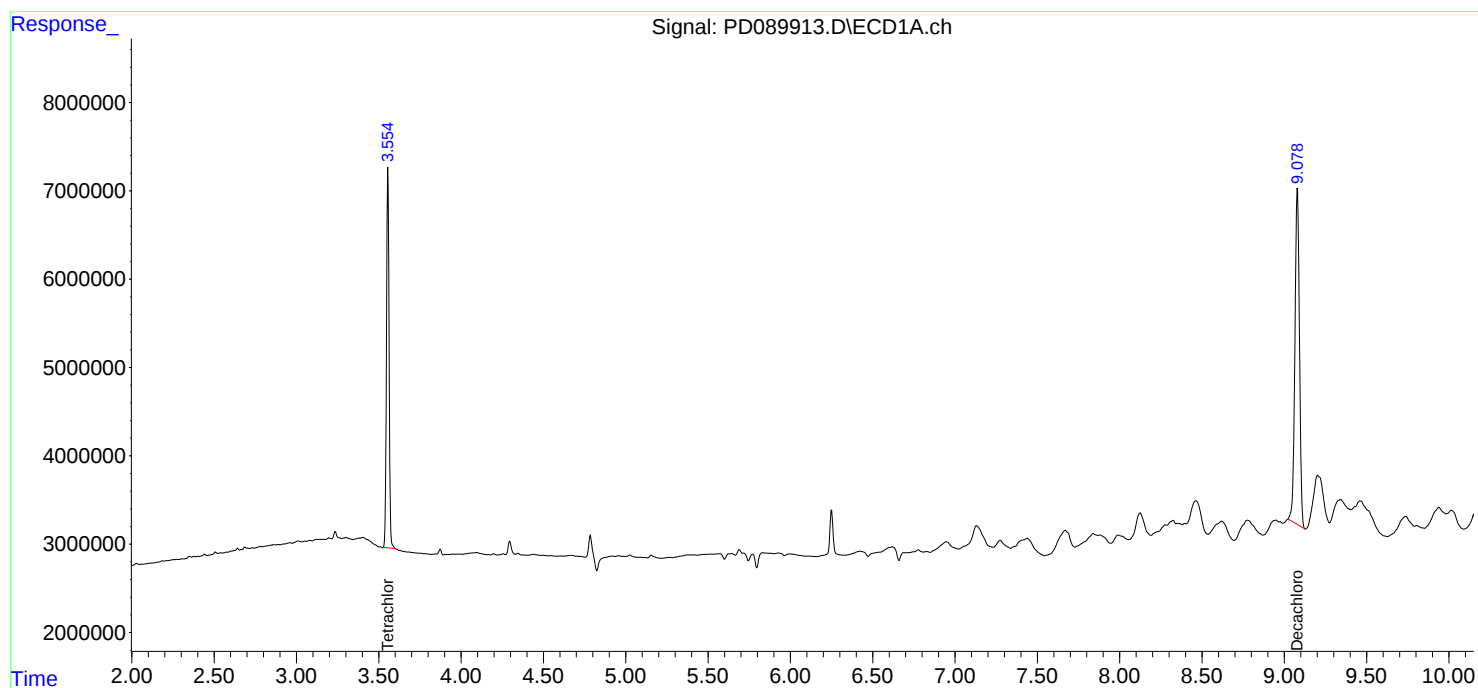
Instrument :
ECD_D
ClientSampleId :
I.BLK

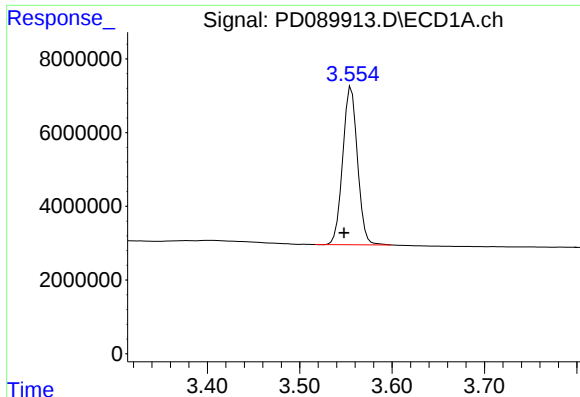
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





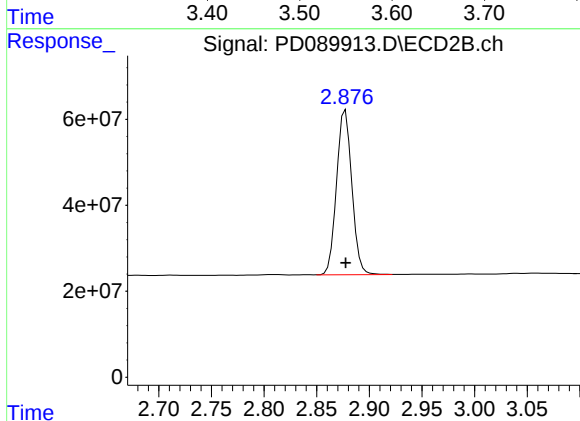
#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.008 min
Response: 47548766
Conc: 19.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

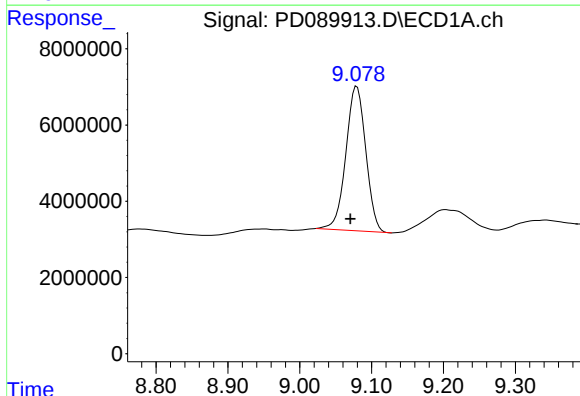
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



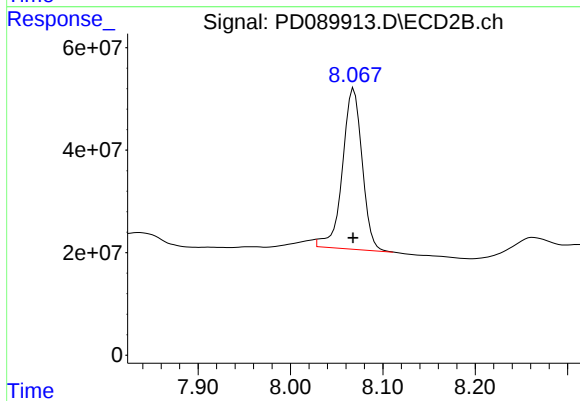
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 388691888
Conc: 24.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.009 min
Response: 73001070
Conc: 19.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 464455694
Conc: 23.13 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/15/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/15/25
Client Sample ID:	PIBLK-PD089925.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PD089925.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089925.D	1		08/15/25	pd081625

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 (57) - 150 (171)	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.4		30 (61) - 150 (148)	127%	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_D\Data\PD081625\
Data File : PD089925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:20
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:52:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	49512975	402.5E6	20.073	25.415 #
28)	SA Decachlor...	9.069	8.066	77968219	479.5E6	20.980	23.880

Target Compounds

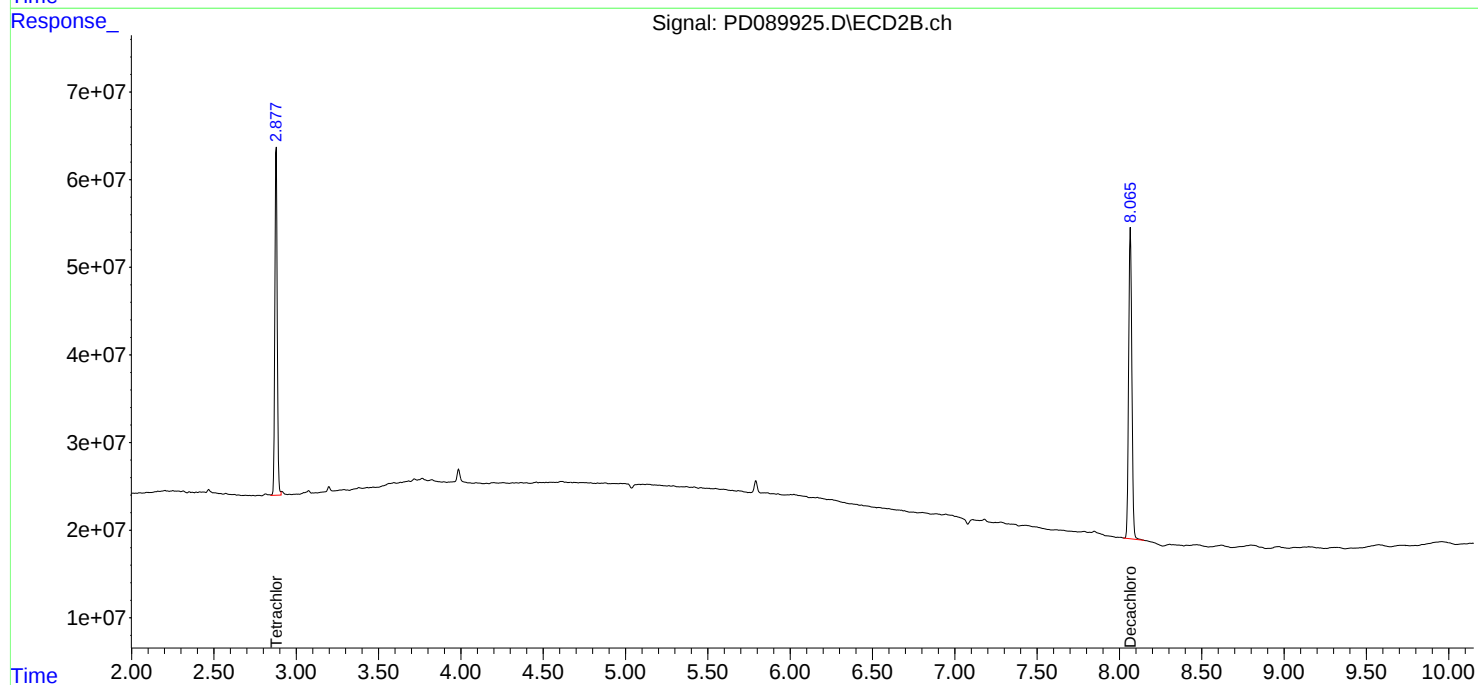
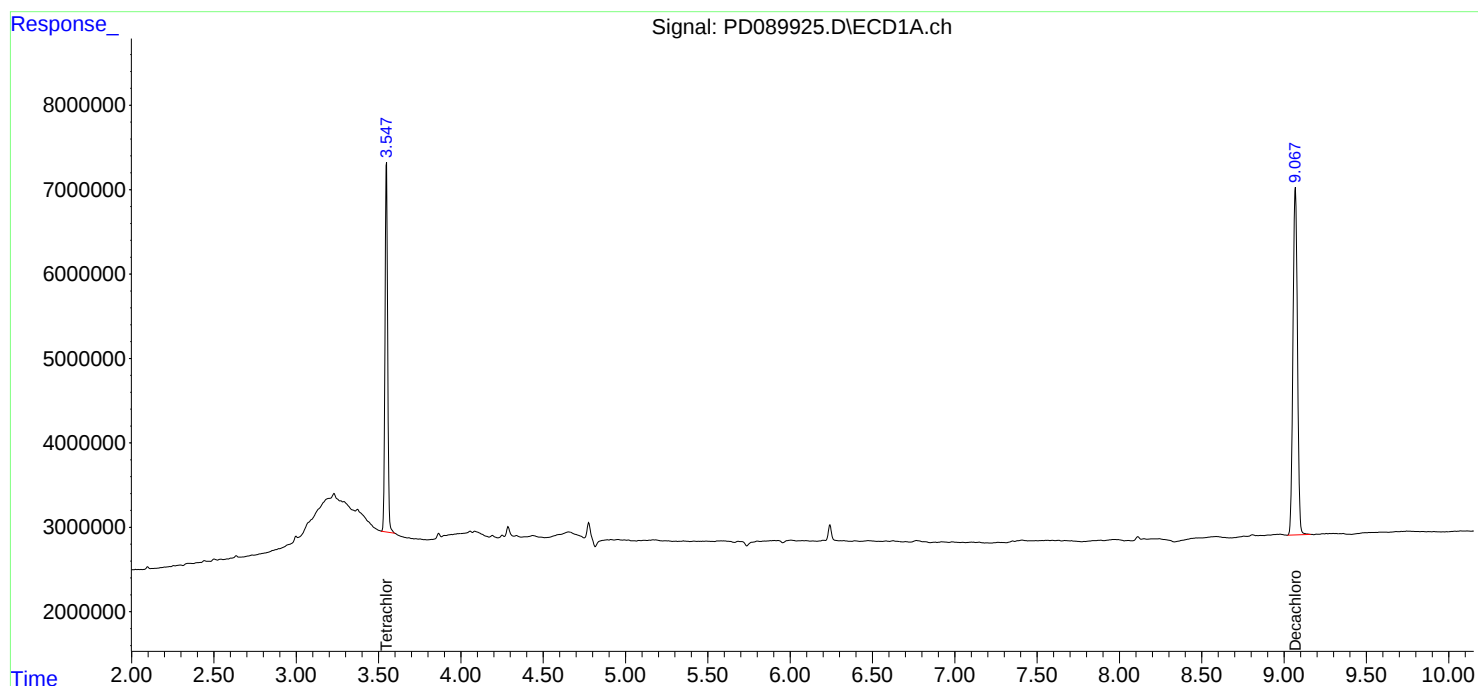
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

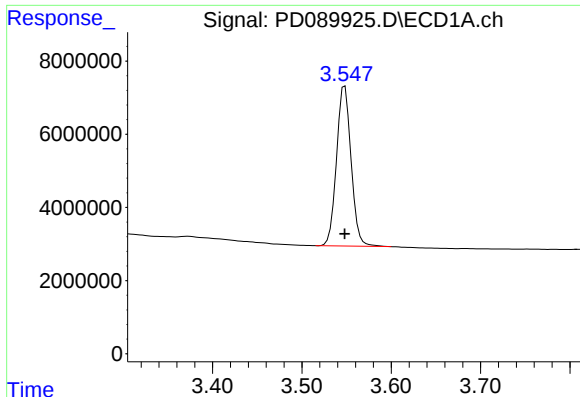
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:20
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:52:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

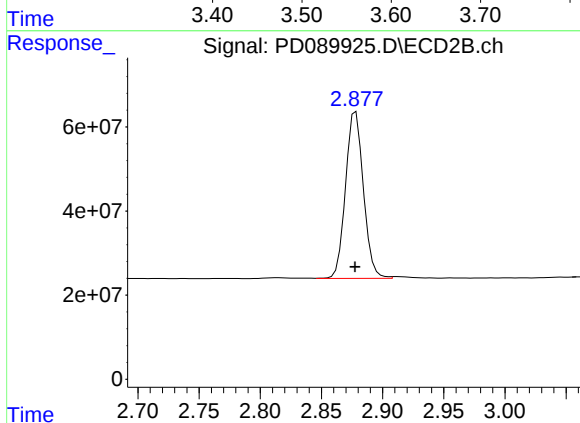




#1 Tetrachloro-m-xylene

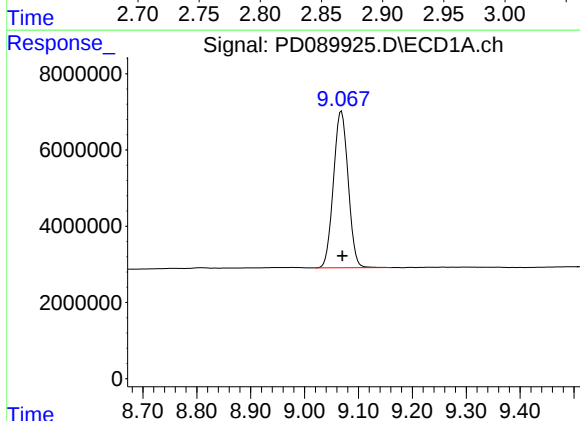
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 49512975
Conc: 20.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



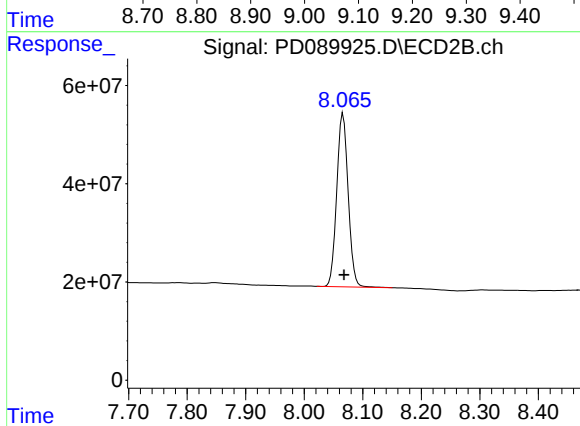
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 402524231
Conc: 25.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 77968219
Conc: 20.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.001 min
Response: 479455093
Conc: 23.88 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/15/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/15/25
Client Sample ID:	PIBLK-PD089934.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PD089934.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089934.D	1		08/15/25	pd081625

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	23.5		30 (57) - 150 (171)	118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.9		30 (61) - 150 (148)	125%	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_D\Data\PD081625\
Data File : PD089934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 20:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:53:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	49554751	394.8E6	20.090	24.927
28)	SA Decachlor...	9.068	8.066	79773328	472.1E6	21.466	23.511

Target Compounds

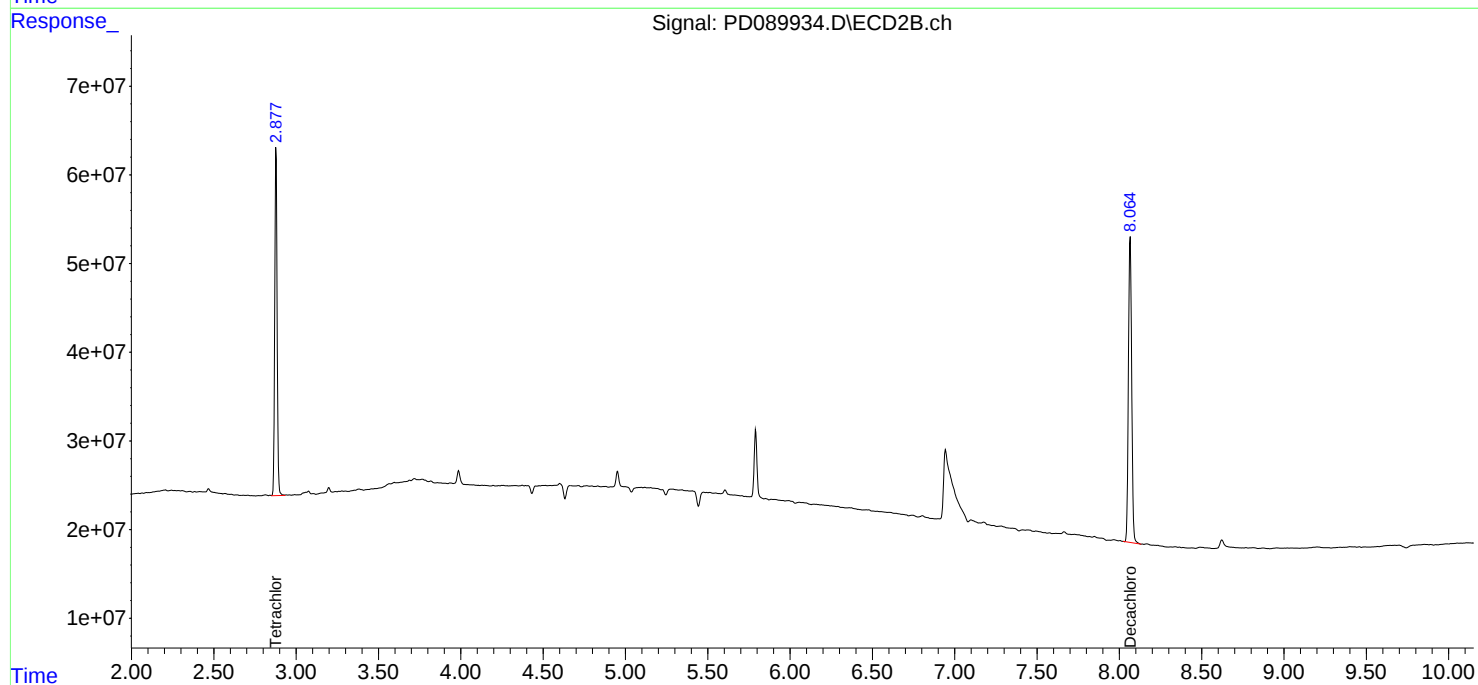
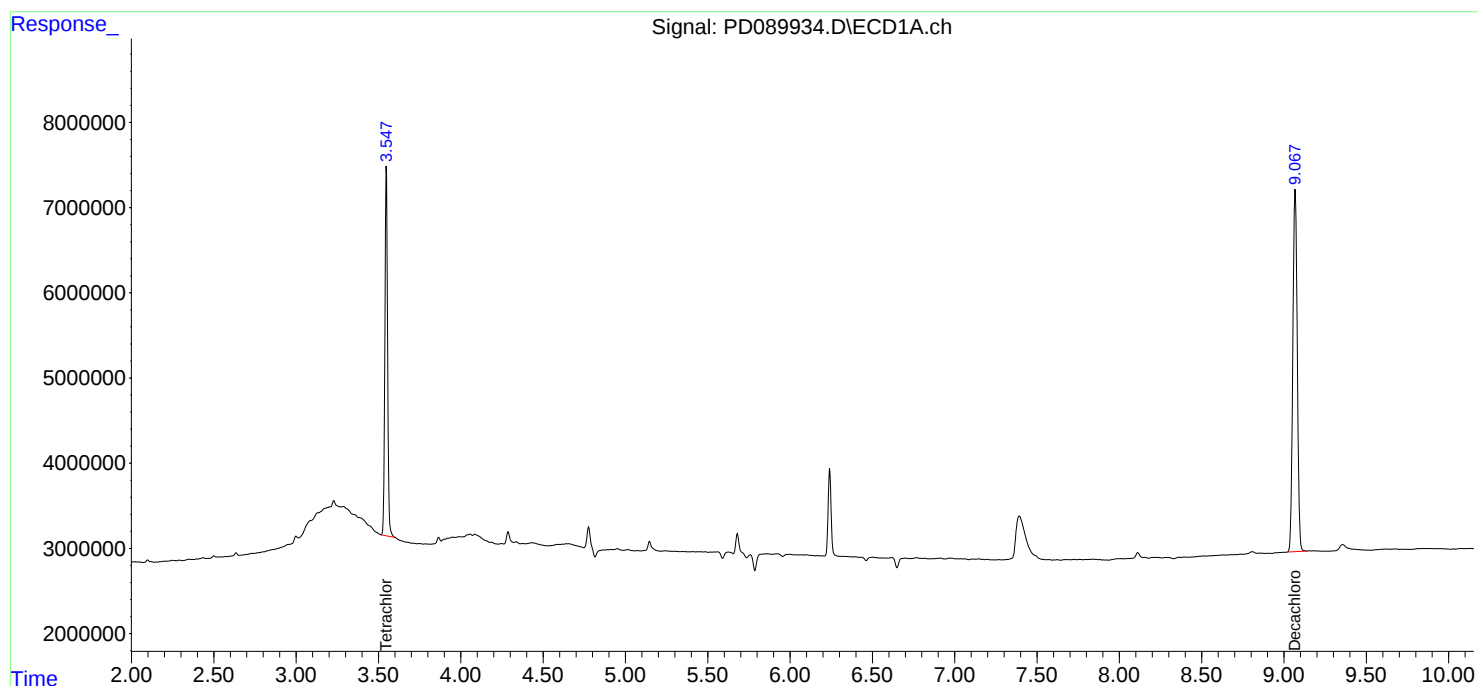
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

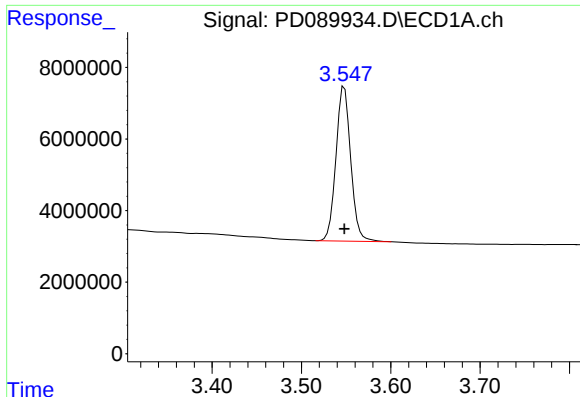
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 20:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:53:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

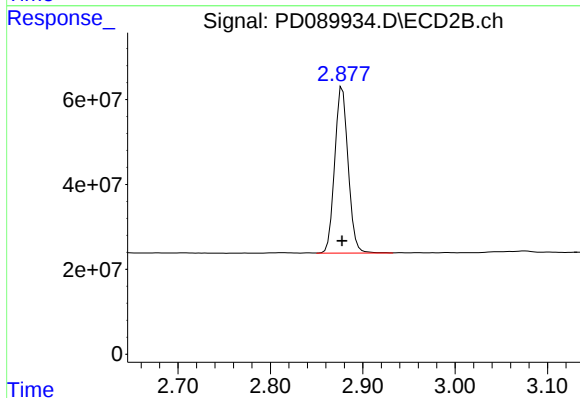




#1 Tetrachloro-m-xylene

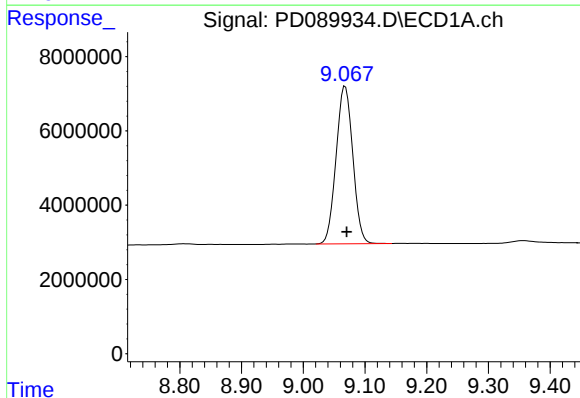
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 49554751
Conc: 20.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



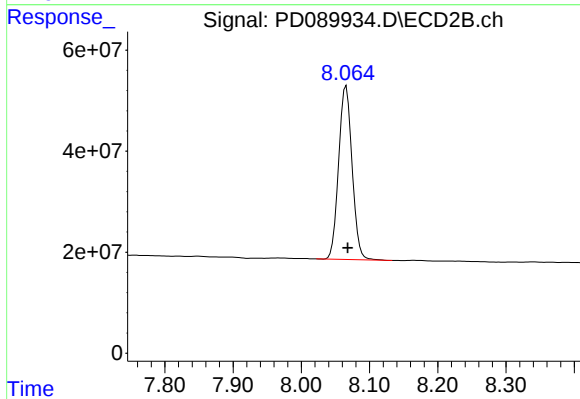
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 394790169
Conc: 24.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 79773328
Conc: 21.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 472060005
Conc: 23.51 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/15/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/15/25
Client Sample ID:	PIBLK-PD089945.D	SDG No.:	Q2832
Lab Sample ID:	I.BLK-PD089945.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089945.D	1		08/15/25	pd081625

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 (57) - 150 (171)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1		30 (61) - 150 (148)	126%	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_D\Data\PD081625\
Data File : PD089945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 23:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:55:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	47636928	398.1E6	19.313	25.139 #
28)	SA Decachlor...	9.067	8.065	71848630	456.2E6	19.334	22.723m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 23:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

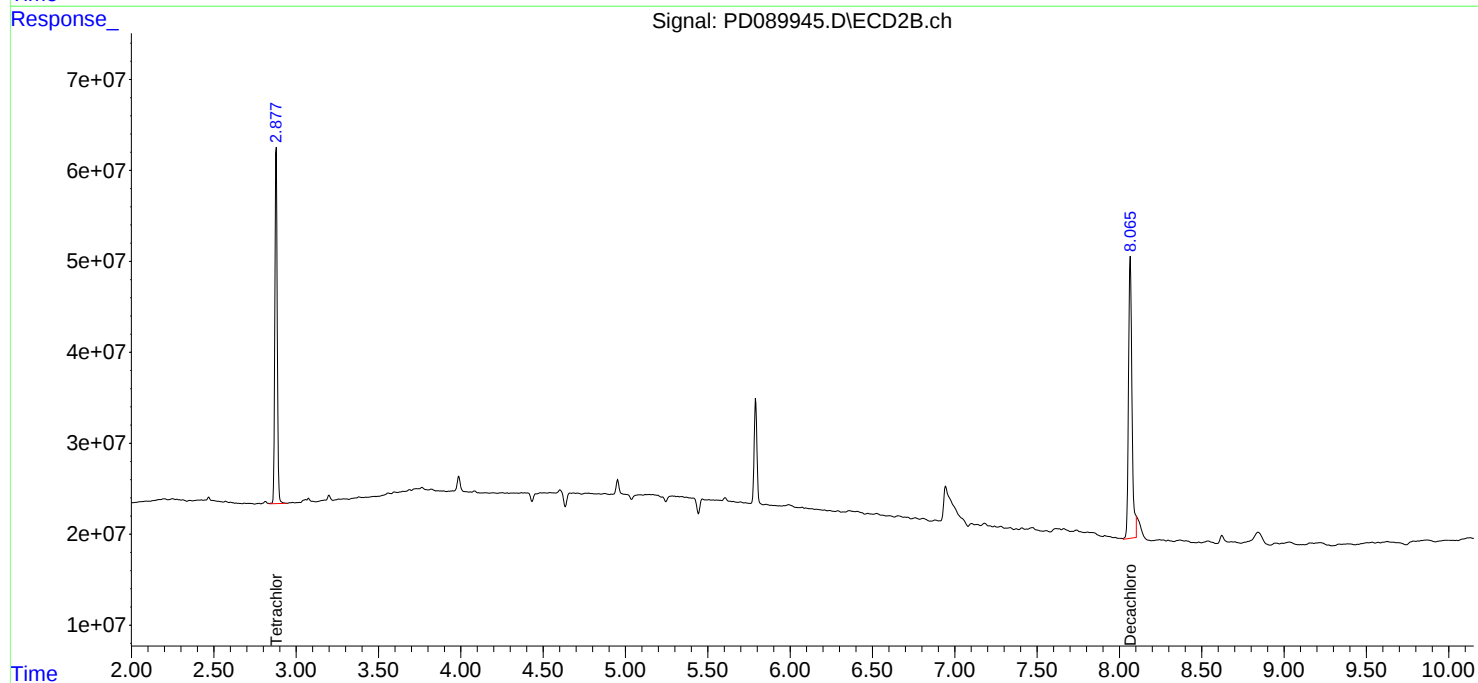
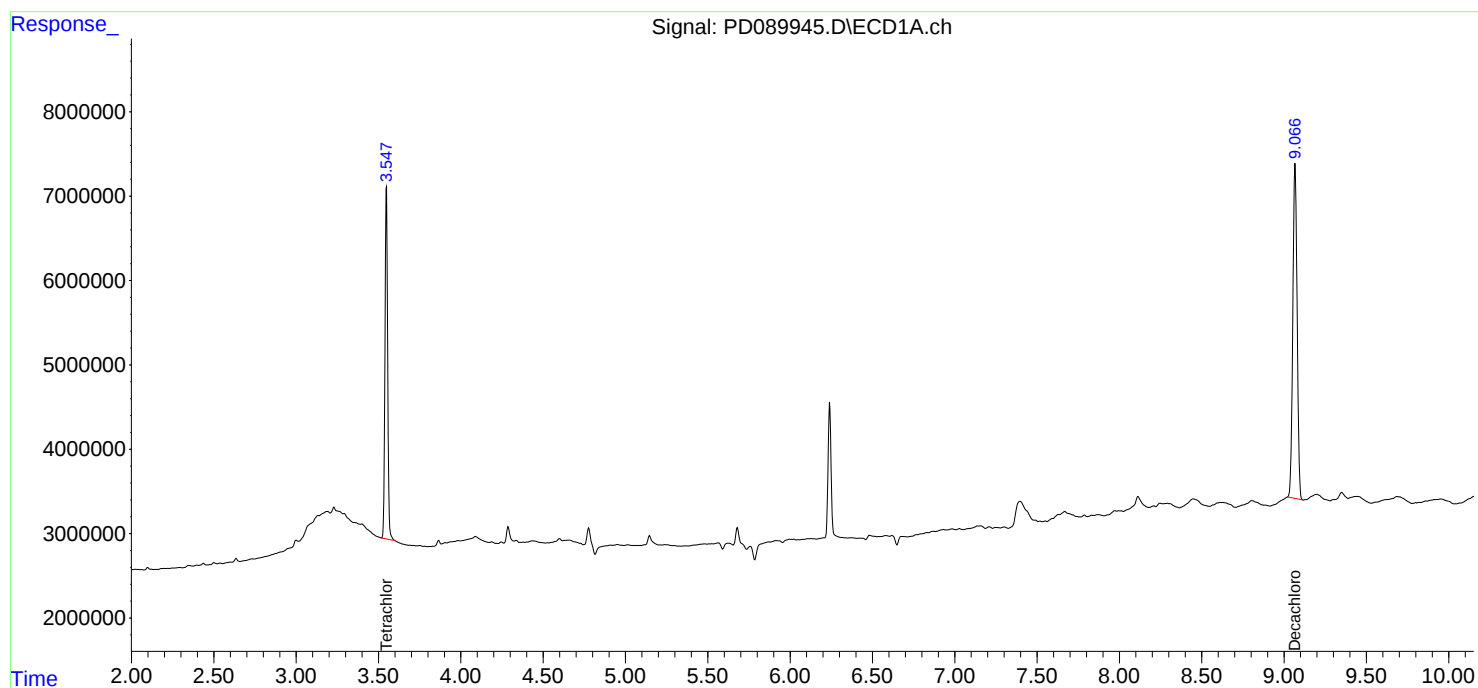
Instrument :
ECD_D
ClientSampleId :
I.BLK

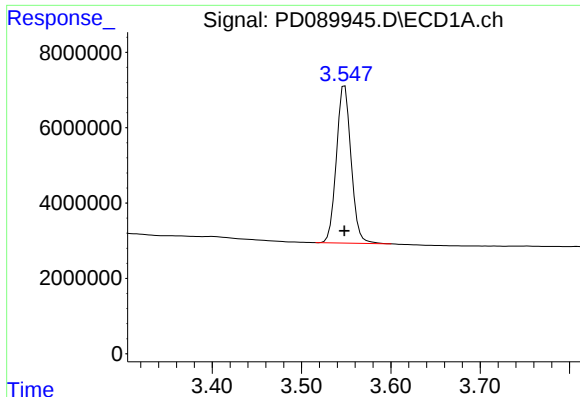
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:55:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





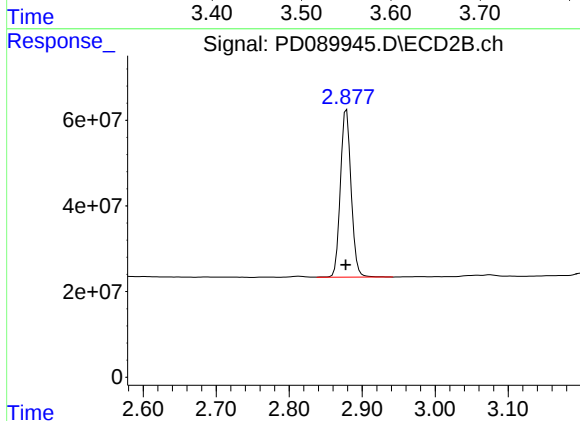
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 47636928
Conc: 19.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

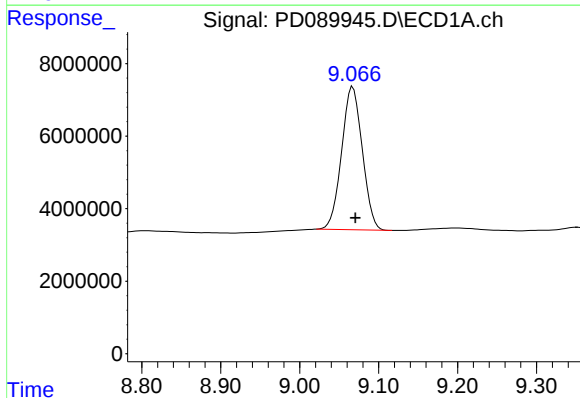
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



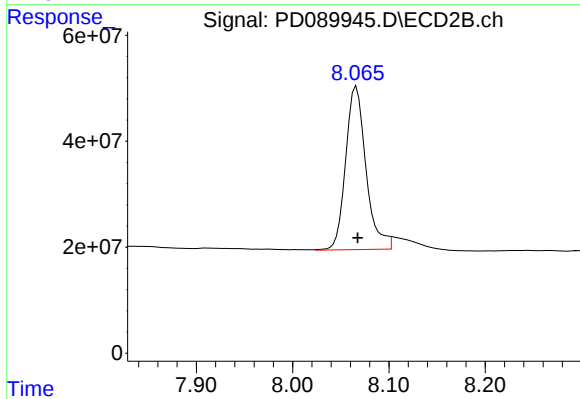
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.001 min
Response: 398142265
Conc: 25.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.003 min
Response: 71848630
Conc: 19.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 456230329
Conc: 22.72 ng/ml m

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169263BS	SDG No.:	Q2832
Lab Sample ID:	PB169263BS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089937.D	1	08/15/25 09:50	08/15/25 21:48	PB169263

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.58		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.56		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.57		0.0096	0.050	ug/L
72-20-8	Endrin	0.57		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.56		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 (57) - 150 (171)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		30 (61) - 150 (148)	112%	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_D\Data\PD081625\
 Data File : PD089937.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 21:48
 Operator : AR\AJ
 Sample : PB169263BS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169263BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:54:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	43332812	356.2E6	17.568	22.490 #
28)	SA Decachlor...	9.067	8.066	73086958	456.0E6	19.667	22.714
Target Compounds							
2)	A alpha-BHC	3.997	3.390	238.7E6	1392.6E6	48.183	57.298
3)	MA gamma-BHC...	4.328	3.726	228.4E6	1299.9E6	48.056	57.710
4)	MA Heptachlor	4.927	4.079	226.1E6	1306.7E6	46.999	56.299
5)	MB Aldrin	5.268	4.365	218.1E6	1287.1E6	47.776	57.844
6)	B beta-BHC	4.514	4.022	87266899	555.8E6	47.307	57.607
7)	B delta-BHC	4.763	4.258	222.6E6	1320.4E6	48.542	58.127
8)	B Heptachlo...	5.688	4.868	195.7E6	1178.2E6	46.820	57.331
9)	A Endosulfan I	6.072	5.243	185.7E6	1126.2E6	46.839	57.611
10)	B gamma-Chl...	5.943	5.121	196.4E6	1264.5E6	46.990	58.399
11)	B alpha-Chl...	6.024	5.186	196.8E6	1216.9E6	46.808	58.443
12)	B 4,4'-DDE	6.193	5.370	176.2E6	1238.6E6	47.246	58.596
13)	MA Dieldrin	6.344	5.508	197.5E6	1259.0E6	46.754	58.183
14)	MA Endrin	6.571	5.785	163.5E6	1139.7E6	45.701	57.200 #
15)	B Endosulfa...	6.783	6.076	167.4E6	1095.1E6	45.627	58.254 #
16)	A 4,4'-DDD	6.702	5.925	139.6E6	1059.4E6	46.602	60.084 #
17)	MA 4,4'-DDT	7.018	6.178	149.0E6	1074.2E6	44.345	58.469 #
18)	B Endrin al...	6.912	6.254	124.4E6	811.3E6	49.863	62.791 #
19)	B Endosulfa...	7.147	6.478	156.5E6	1052.1E6	45.096	56.669 #
20)	A Methoxychlor	7.491	6.749	78133044	553.1E6	43.699	56.463 #
21)	B Endrin ke...	7.627	6.987	167.9E6	1153.8E6	45.206	57.496 #
22)	Mirex	8.110	7.180	123.8E6	872.5E6	44.390	57.319 #

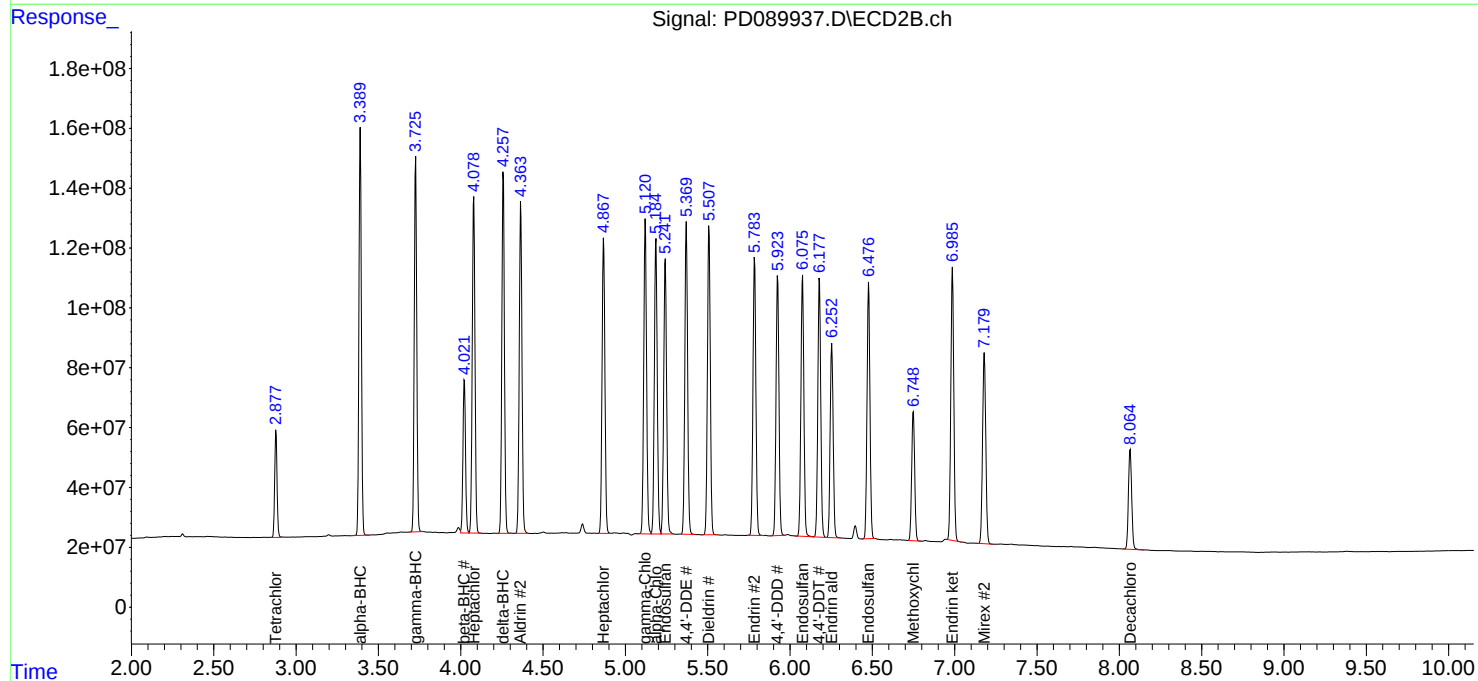
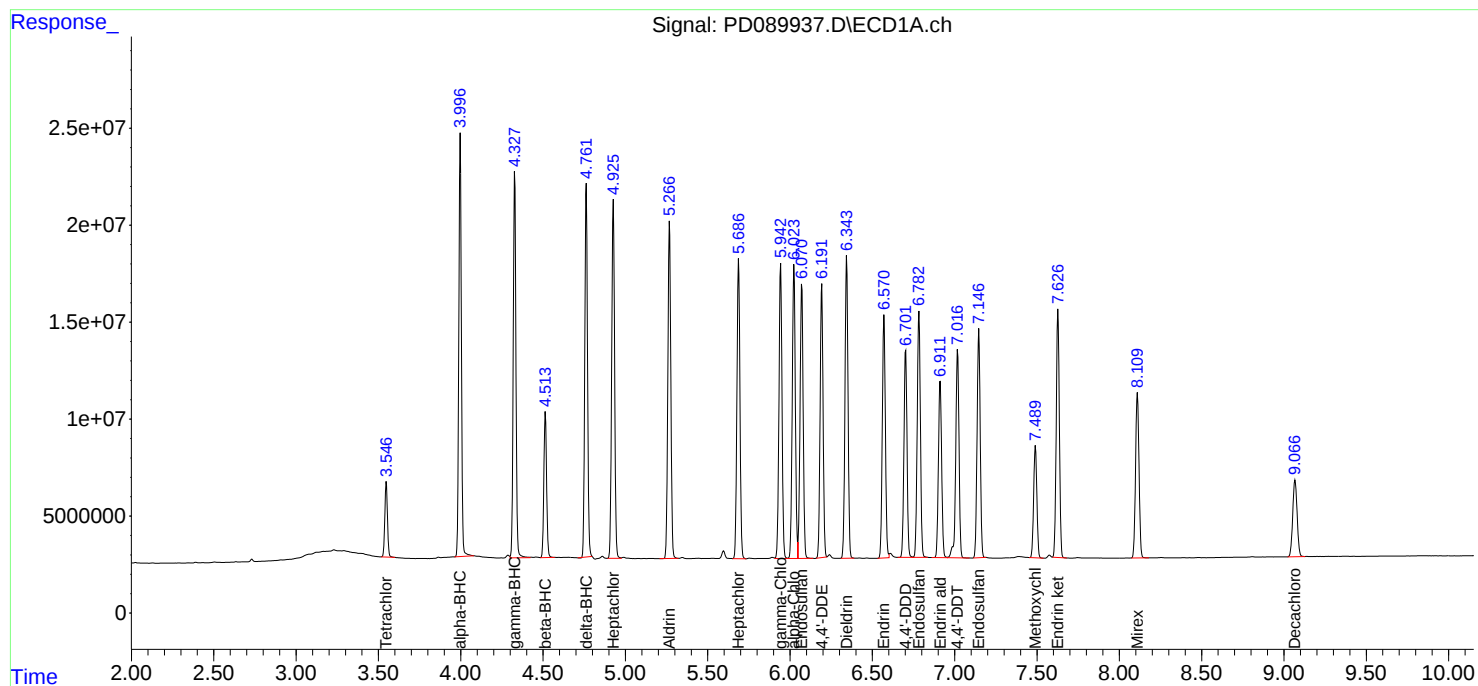
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 21:48
Operator : AR\AJ
Sample : PB169263BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169263BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:54:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01MS	SDG No.:	Q2832
Lab Sample ID:	Q2832-02MS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089920.D	1	08/15/25 09:50	08/15/25 16:57	PB169263

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.90		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.80		0.096	0.50	ug/L
72-20-8	Endrin	5.60		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.30		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 (57) - 150 (171)	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		30 (61) - 150 (148)	113%	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_D\Data\PD081625\
 Data File : PD089920.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 16:57
 Operator : AR\AJ
 Sample : Q2832-02MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TG-S01MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:51:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	46543188	358.8E6	18.869m	22.657
2)	SA Decachlor...	9.068	8.066	61663397	350.0E6	16.593	17.432
Target Compounds							
2)	A alpha-BHC	3.998	3.390	243.4E6	1416.9E6	49.132	58.297
3)	MA gamma-BHC...	4.329	3.727	243.9E6	1319.9E6	51.322	58.599
4)	MA Heptachlor	4.927	4.080	220.2E6	1260.8E6	45.763	54.324
5)	MB Aldrin	5.269	4.365	211.1E6	1245.0E6	46.250	55.952
6)	B beta-BHC	4.515	4.022	91907039	561.2E6	49.823	58.166
7)	B delta-BHC	4.762	4.259	223.1E6	1171.8E6	48.638m	51.588
8)	B Heptachlo...	5.688	4.869	197.9E6	1189.6E6	47.326	57.888
9)	A Endosulfan I	6.072	5.243	184.5E6	1116.4E6	46.540	57.112
10)	B gamma-Chl...	5.943	5.122	193.5E6	1262.9E6	46.302	58.321 #
11)	B alpha-Chl...	6.024	5.186	194.4E6	1208.5E6	46.236	58.040 #
12)	B 4,4'-DDE	6.193	5.371	175.9E6	1229.9E6	47.152	58.186
13)	MA Dieldrin	6.345	5.509	195.4E6	1264.9E6	46.261	58.453 #
14)	MA Endrin	6.572	5.785	166.4E6	1120.7E6	46.518	56.243
15)	B Endosulfa...	6.784	6.077	164.5E6	1053.1E6	44.828	56.016
16)	A 4,4'-DDD	6.703	5.926	136.2E6	1005.9E6	45.463	57.046 #
17)	MA 4,4'-DDT	7.018	6.179	146.8E6	1026.0E6	43.687	55.842 #
18)	B Endrin al...	6.913	6.255	124.9E6	791.9E6	50.041	61.291
19)	B Endosulfa...	7.147	6.478	152.1E6	992.0E6	43.824	53.434
20)	A Methoxychlor	7.491	6.750	75999995	515.4E6	42.506	52.618
21)	B Endrin ke...	7.627	6.987	163.3E6	1061.7E6	43.959	52.904
22)	Mirex	8.110	7.180	117.3E6	780.9E6	42.056	51.305

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:57
Operator : AR\AJ
Sample : Q2832-02MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TG-S01MS

Manual Integrations

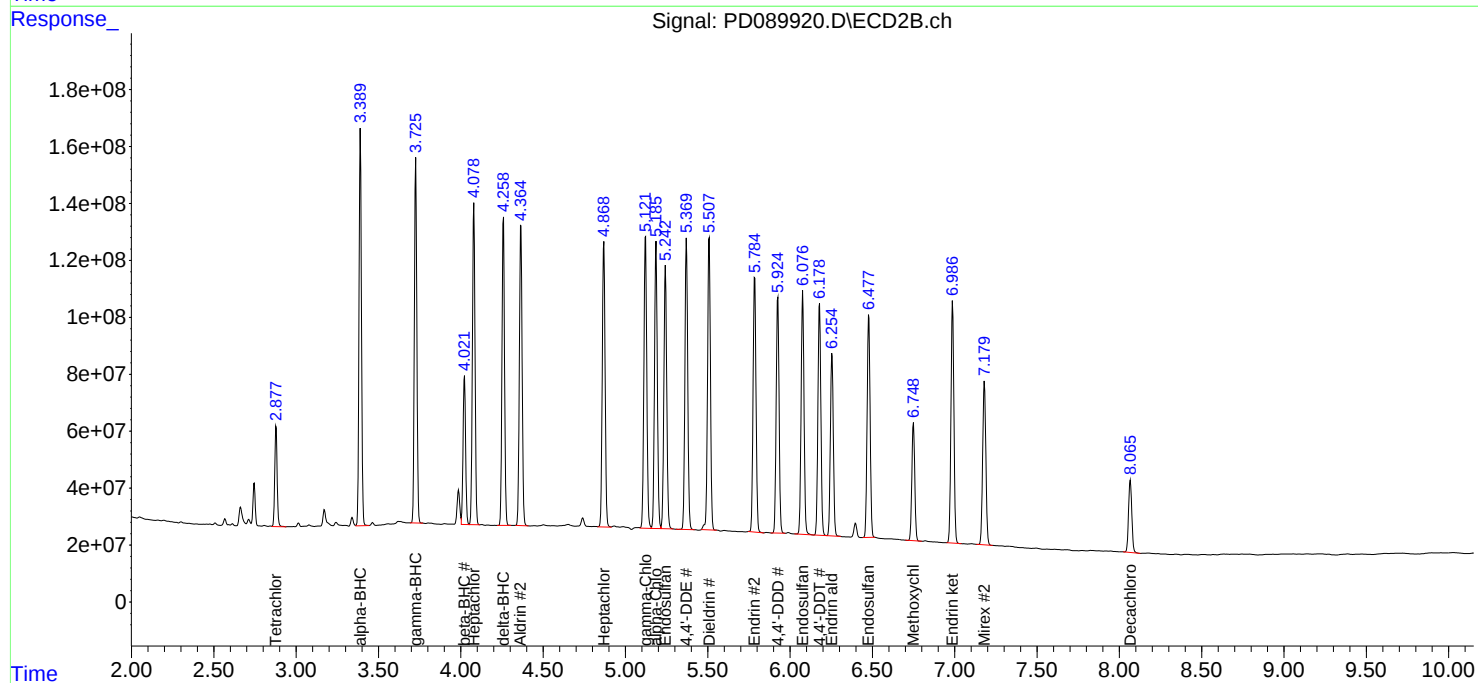
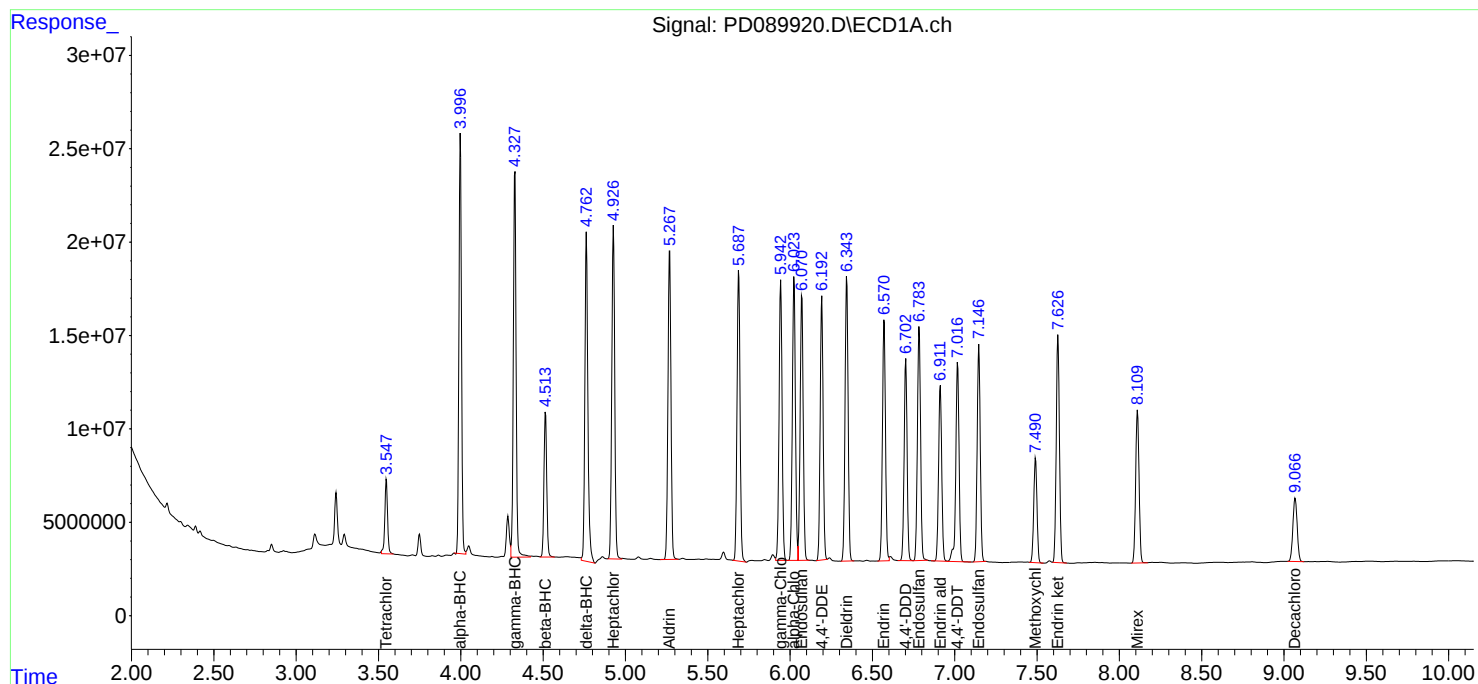
APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:51:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/12/25
Client Sample ID:	TG-S01MSD	SDG No.:	Q2832
Lab Sample ID:	Q2832-02MSD	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089921.D	1	08/15/25 09:50	08/15/25 17:10	PB169263

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.90		0.037	0.50	ug/L
76-44-8	Heptachlor	5.50		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.80		0.096	0.50	ug/L
72-20-8	Endrin	5.80		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.40		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		30 (57) - 150 (171)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		30 (61) - 150 (148)	113%	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_D\Data\PD081625\
 Data File : PD089921.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 17:10
 Operator : AR\AJ
 Sample : Q2832-02MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TG-S01MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:51:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.878	46526191	358.2E6	18.863m	22.616
28)	SA Decachlor...	9.068	8.066	61704303	364.8E6	16.604	18.169
Target Compounds							
2)	A alpha-BHC	3.997	3.390	245.0E6	1417.3E6	49.458	58.313
3)	MA gamma-BHC...	4.328	3.727	243.7E6	1325.3E6	51.281	58.841
4)	MA Heptachlor	4.926	4.079	223.4E6	1267.5E6	46.422	54.613
5)	MB Aldrin	5.268	4.365	214.3E6	1253.5E6	46.949	56.336
6)	B beta-BHC	4.514	4.022	91766124	566.7E6	49.746	58.729
7)	B delta-BHC	4.761	4.259	224.4E6	1178.6E6	48.929m	51.884
8)	B Heptachlo...	5.688	4.869	198.7E6	1195.6E6	47.538	58.180
9)	A Endosulfan I	6.071	5.243	187.6E6	1137.1E6	47.329	58.169
10)	B gamma-Chl...	5.943	5.122	198.7E6	1284.7E6	47.552	59.329
11)	B alpha-Chl...	6.023	5.186	198.6E6	1234.3E6	47.236	59.280 #
12)	B 4,4'-DDE	6.193	5.371	176.8E6	1250.0E6	47.407	59.138
13)	MA Dieldrin	6.344	5.509	198.1E6	1277.1E6	46.896	59.021 #
14)	MA Endrin	6.571	5.785	168.3E6	1149.8E6	47.035	57.707
15)	B Endosulfa...	6.783	6.076	166.4E6	1077.5E6	45.343	57.316 #
16)	A 4,4'-DDD	6.703	5.925	138.3E6	1035.4E6	46.167	58.721 #
17)	MA 4,4'-DDT	7.018	6.179	150.9E6	1049.2E6	44.905	57.106 #
18)	B Endrin al...	6.912	6.255	126.9E6	804.6E6	50.833	62.275
19)	B Endosulfa...	7.147	6.478	149.5E6	1014.8E6	43.074	54.659 #
20)	A Methoxychlor	7.490	6.750	77673401	530.8E6	43.442	54.185
21)	B Endrin ke...	7.627	6.987	167.5E6	1097.2E6	45.096	54.673
22)	Mirex	8.110	7.180	118.3E6	799.6E6	42.434	52.534

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:10
Operator : AR\AJ
Sample : Q2832-02MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TG-S01MSD

Manual Integrations

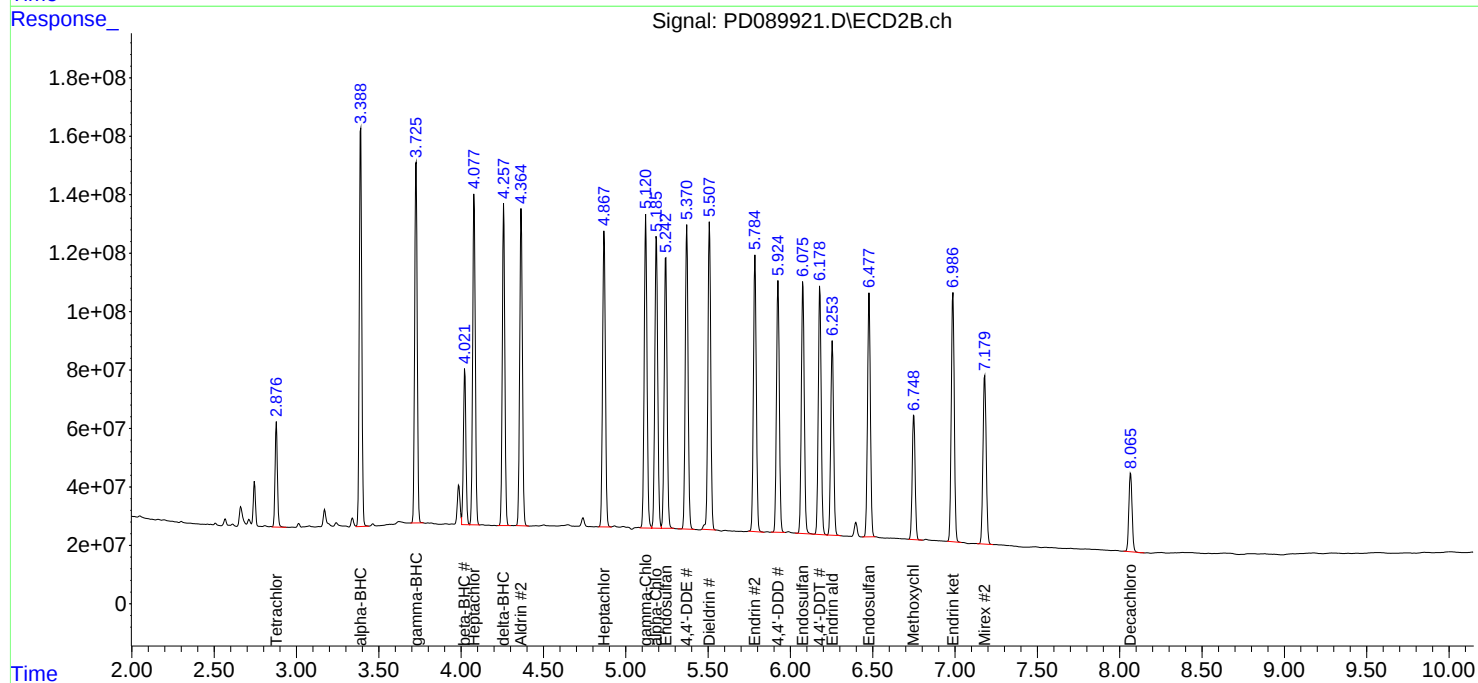
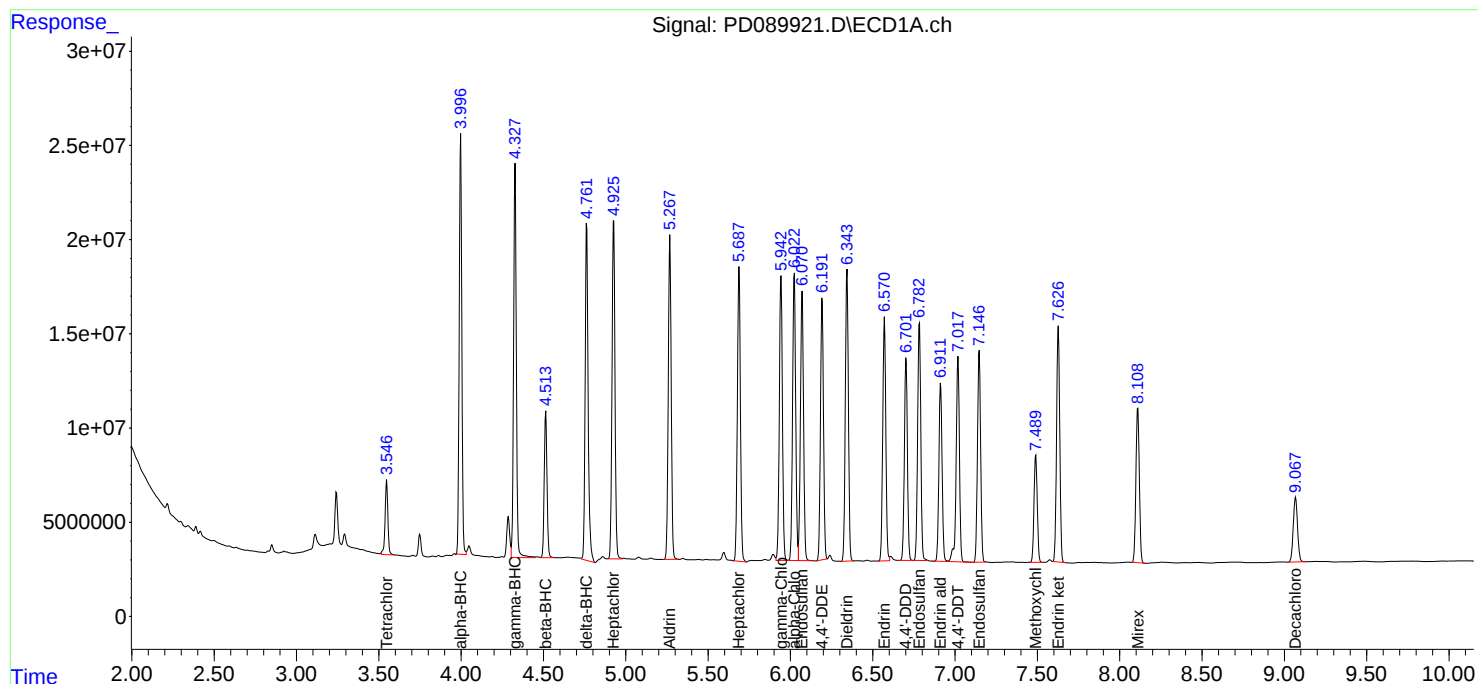
APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:51:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:

pd073125

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089686.D	4,4"-DDD #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	4,4"-DDE	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	4,4"-DDE #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	Endrin ketone	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	Endrin ketone #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC075	PD089689.D	gamma-BHC (Lindane)	Abdul	8/1/2025 8:28:32 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC005	PD089692.D	4,4"-DDE #2	Abdul	8/1/2025 8:28:35 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC005	PD089692.D	Endrin aldehyde	Abdul	8/1/2025 8:28:35 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software

Manual Integration Report

Sequence:	pd081625	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089905.D	4,4"-DDD	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089905.D	4,4"-DDE	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089905.D	4,4"-DDE #2	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089905.D	Endrin ketone	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089905.D	Endrin ketone #2	Abdul	8/18/2025 7:45:08 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
I.BLK	PD089913.D	Decachlorobiphenyl #2	Abdul	8/18/2025 7:45:31 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PSTDCCC050	PD089914.D	alpha-BHC #2	Abdul	8/18/2025 7:45:35 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
Q2832-02MS	PD089920.D	delta-BHC	Abdul	8/18/2025 7:45:53 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
Q2832-02MS	PD089920.D	Tetrachloro-m-xylene	Abdul	8/18/2025 7:45:53 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
Q2832-02MSD	PD089921.D	delta-BHC	Abdul	8/18/2025 7:45:56 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
Q2832-02MSD	PD089921.D	Tetrachloro-m-xylene	Abdul	8/18/2025 7:45:56 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089926.D	4,4"-DDD	Abdul	8/18/2025 7:45:59 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089926.D	alpha-BHC #2	Abdul	8/18/2025 7:45:59 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software

Manual Integration Report

Sequence:	pd081625	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089926.D	Endrin ketone #2	Abdul	8/18/2025 7:45:59 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089926.D	gamma-BHC (Lindane)	Abdul	8/18/2025 7:45:59 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PSTDCCC050	PD089927.D	4,4"-DDD	Abdul	8/18/2025 7:46:02 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
I.BLK	PD089945.D	Decachlorobiphenyl #2	Abdul	8/18/2025 7:46:31 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089946.D	4,4"-DDD	Abdul	8/18/2025 7:46:34 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089946.D	Endrin aldehyde	Abdul	8/18/2025 7:46:34 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089946.D	Endrin ketone	Abdul	8/18/2025 7:46:34 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PEM	PD089946.D	Endrin ketone #2	Abdul	8/18/2025 7:46:34 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software
PSTDCCC050	PD089959.D	4,4"-DDD	Abdul	8/18/2025 7:47:23 AM	mohammad	8/19/2025 1:27:21	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM
SubDirectory	PD073125	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089684.D	31 Jul 2025 09:13	AR\AJ	Ok
2	I.BLK	PD089685.D	31 Jul 2025 10:33	AR\AJ	Ok
3	PEM	PD089686.D	31 Jul 2025 10:47	AR\AJ	Ok,M
4	RESCHK	PD089687.D	31 Jul 2025 11:34	AR\AJ	Ok
5	PSTDICC100	PD089688.D	31 Jul 2025 11:47	AR\AJ	Ok
6	PSTDICC075	PD089689.D	31 Jul 2025 12:01	AR\AJ	Ok,M
7	PSTDICC050	PD089690.D	31 Jul 2025 12:14	AR\AJ	Ok
8	PSTDICC025	PD089691.D	31 Jul 2025 12:28	AR\AJ	Ok
9	PSTDICC005	PD089692.D	31 Jul 2025 12:41	AR\AJ	Ok,M
10	PCHLORICC1000	PD089693.D	31 Jul 2025 12:56	AR\AJ	Ok
11	PCHLORICC750	PD089694.D	31 Jul 2025 13:09	AR\AJ	Ok
12	PCHLORICC500	PD089695.D	31 Jul 2025 13:23	AR\AJ	Ok
13	PCHLORICC250	PD089696.D	31 Jul 2025 13:36	AR\AJ	Ok
14	PCHLORICC050	PD089697.D	31 Jul 2025 13:50	AR\AJ	Ok
15	PTOXICC1000	PD089698.D	31 Jul 2025 14:03	AR\AJ	Ok
16	PTOXICC750	PD089699.D	31 Jul 2025 14:17	AR\AJ	Ok
17	PTOXICC500	PD089700.D	31 Jul 2025 14:31	AR\AJ	Ok
18	PTOXICC250	PD089701.D	31 Jul 2025 14:44	AR\AJ	Ok,M
19	PTOXICC100	PD089702.D	31 Jul 2025 14:58	AR\AJ	Ok,M
20	PSTDICV050	PD089703.D	31 Jul 2025 15:11	AR\AJ	Ok
21	PCHLORICV500	PD089704.D	31 Jul 2025 15:25	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM
SubDirectory	PD073125	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD089705.D	31 Jul 2025 15:39	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM
SubDirectory	PD081625	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089903.D	15 Aug 2025 09:24	AR\AJ	Ok
2	I.BLK	PD089904.D	15 Aug 2025 09:37	AR\AJ	Ok
3	PEM	PD089905.D	15 Aug 2025 09:51	AR\AJ	Ok,M
4	PSTDCCC050	PD089906.D	15 Aug 2025 10:04	AR\AJ	Ok
5	Q2819-06DL	PD089907.D	15 Aug 2025 10:21	AR\AJ	Ok,M
6	Q2819-14DL	PD089908.D	15 Aug 2025 10:35	AR\AJ	Dilution
7	Q2819-14DL2	PD089909.D	15 Aug 2025 10:49	AR\AJ	Ok,M
8	Q2820-09RE	PD089910.D	15 Aug 2025 11:02	AR\AJ	Confirms
9	Q2827-01DL	PD089911.D	15 Aug 2025 11:56	AR\AJ	Ok,M
10	Q2827-05DL	PD089912.D	15 Aug 2025 12:17	AR\AJ	Ok,M
11	I.BLK	PD089913.D	15 Aug 2025 13:12	AR\AJ	Ok,M
12	PSTDCCC050	PD089914.D	15 Aug 2025 13:53	AR\AJ	Ok,M
13	PB169261BL	PD089915.D	15 Aug 2025 15:31	AR\AJ	Ok
14	PB169261BS	PD089916.D	15 Aug 2025 16:02	AR\AJ	Ok,M
15	Q2877-01	PD089917.D	15 Aug 2025 16:16	AR\AJ	Ok,M
16	Q2732-03	PD089918.D	15 Aug 2025 16:29	AR\AJ	Ok,M
17	Q2832-02	PD089919.D	15 Aug 2025 16:43	AR\AJ	Ok
18	Q2832-02MS	PD089920.D	15 Aug 2025 16:57	AR\AJ	Ok,M
19	Q2832-02MSD	PD089921.D	15 Aug 2025 17:10	AR\AJ	Ok,M
20	Q2832-04	PD089922.D	15 Aug 2025 17:39	AR\AJ	Ok
21	Q2832-06	PD089923.D	15 Aug 2025 17:52	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM
SubDirectory	PD081625	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2832-08	PD089924.D	15 Aug 2025 18:06	AR\AJ	Ok
23	I.BLK	PD089925.D	15 Aug 2025 18:20	AR\AJ	Ok
24	PEM	PD089926.D	15 Aug 2025 18:33	AR\AJ	Ok,M
25	PSTDCCC050	PD089927.D	15 Aug 2025 18:47	AR\AJ	Ok,M
26	Q2832-10	PD089928.D	15 Aug 2025 19:04	AR\AJ	Ok
27	Q2836-03	PD089929.D	15 Aug 2025 19:17	AR\AJ	Ok
28	Q2836-07	PD089930.D	15 Aug 2025 19:31	AR\AJ	Ok,M
29	Q2836-11	PD089931.D	15 Aug 2025 19:45	AR\AJ	Ok,M
30	Q2836-15	PD089932.D	15 Aug 2025 19:58	AR\AJ	Ok
31	Q2876-01	PD089933.D	15 Aug 2025 20:12	AR\AJ	Ok,M
32	I.BLK	PD089934.D	15 Aug 2025 20:26	AR\AJ	Ok
33	PSTDCCC050	PD089935.D	15 Aug 2025 20:39	AR\AJ	Ok
34	PB169263BL	PD089936.D	15 Aug 2025 21:34	AR\AJ	Ok
35	PB169263BS	PD089937.D	15 Aug 2025 21:48	AR\AJ	Ok
36	PB169212TB	PD089938.D	15 Aug 2025 22:02	AR\AJ	Ok
37	PB169264BL	PD089939.D	15 Aug 2025 22:15	AR\AJ	Ok
38	PB169264BS	PD089940.D	15 Aug 2025 22:29	AR\AJ	Ok
39	PB169264BSD	PD089941.D	15 Aug 2025 22:43	AR\AJ	Ok
40	Q2864-01	PD089942.D	15 Aug 2025 22:56	AR\AJ	Ok,M
41	Q2864-03	PD089943.D	15 Aug 2025 23:10	AR\AJ	Not Ok
42	Q2865-02	PD089944.D	15 Aug 2025 23:24	AR\AJ	Ok,M
43	I.BLK	PD089945.D	15 Aug 2025 23:38	AR\AJ	Ok,M
44	PEM	PD089946.D	15 Aug 2025 23:51	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM
SubDirectory	PD081625	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	PSTDCCC050	PD089947.D	16 Aug 2025 00:05	AR\AJ	Ok
46	Q2870-01	PD089948.D	16 Aug 2025 01:00	AR\AJ	Ok,M
47	Q2870-01MS	PD089949.D	16 Aug 2025 01:13	AR\AJ	Ok,M
48	Q2870-01MSD	PD089950.D	16 Aug 2025 01:27	AR\AJ	Ok,M
49	Q2870-04	PD089951.D	16 Aug 2025 01:41	AR\AJ	Ok,M
50	Q2871-01	PD089952.D	16 Aug 2025 01:54	AR\AJ	Ok,M
51	Q2871-04	PD089953.D	16 Aug 2025 02:08	AR\AJ	Ok,M
52	Q2871-07	PD089954.D	16 Aug 2025 02:22	AR\AJ	Ok,M
53	Q2872-01	PD089955.D	16 Aug 2025 02:36	AR\AJ	Ok,M
54	Q2873-01	PD089956.D	16 Aug 2025 02:49	AR\AJ	Ok,M
55	Q2873-04	PD089957.D	16 Aug 2025 03:03	AR\AJ	Ok,M
56	I.BLK	PD089958.D	16 Aug 2025 03:17	AR\AJ	Ok
57	PSTDCCC050	PD089959.D	16 Aug 2025 03:30	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM
SubDirectory	PD073125	HP Acquire Method	HP Processing Method pd073125 8081

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

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089684.D	31 Jul 2025 09:13		AR\AJ	Ok
2	I.BLK	I.BLK	PD089685.D	31 Jul 2025 10:33		AR\AJ	Ok
3	PEM	PEM	PD089686.D	31 Jul 2025 10:47		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD089687.D	31 Jul 2025 11:34		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD089688.D	31 Jul 2025 11:47		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD089689.D	31 Jul 2025 12:01		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PD089690.D	31 Jul 2025 12:14		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD089691.D	31 Jul 2025 12:28		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD089692.D	31 Jul 2025 12:41		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD089693.D	31 Jul 2025 12:56		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD089694.D	31 Jul 2025 13:09		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089695.D	31 Jul 2025 13:23		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089696.D	31 Jul 2025 13:36		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089697.D	31 Jul 2025 13:50		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089698.D	31 Jul 2025 14:03		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089699.D	31 Jul 2025 14:17		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089700.D	31 Jul 2025 14:31		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089701.D	31 Jul 2025 14:44		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM
SubDirectory	PD073125	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD089702.D	31 Jul 2025 14:58		AR\AJ	Ok,M
20	PSTDICV050	ICVPD073125	PD089703.D	31 Jul 2025 15:11		AR\AJ	Ok
21	PCHLORICV500	ICVPD073125CHLOR	PD089704.D	31 Jul 2025 15:25		AR\AJ	Ok
22	PTOXICV500	ICVPD073125TOX	PD089705.D	31 Jul 2025 15:39		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM
SubDirectory	PD081625	HP Acquire Method	HP Processing Method pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089903.D	15 Aug 2025 09:24		AR\AJ	Ok
2	I.BLK	I.BLK	PD089904.D	15 Aug 2025 09:37		AR\AJ	Ok
3	PEM	PEM	PD089905.D	15 Aug 2025 09:51		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089906.D	15 Aug 2025 10:04		AR\AJ	Ok
5	Q2819-06DL	11M-SDL	PD089907.D	15 Aug 2025 10:21		AR\AJ	Ok,M
6	Q2819-14DL	17M-WDL	PD089908.D	15 Aug 2025 10:35	Need dilution	AR\AJ	Dilution
7	Q2819-14DL2	17M-WDL2	PD089909.D	15 Aug 2025 10:49	TCMX high in 2nd column	AR\AJ	Ok,M
8	Q2820-09RE	705R-SRE	PD089910.D	15 Aug 2025 11:02	DCB low in both column	AR\AJ	Confirms
9	Q2827-01DL	TP-8DL	PD089911.D	15 Aug 2025 11:56		AR\AJ	Ok,M
10	Q2827-05DL	TP-9DL	PD089912.D	15 Aug 2025 12:17		AR\AJ	Ok,M
11	I.BLK	I.BLK	PD089913.D	15 Aug 2025 13:12		AR\AJ	Ok,M
12	PSTDCCC050	PSTDCCC050	PD089914.D	15 Aug 2025 13:53		AR\AJ	Ok,M
13	PB169261BL	PB169261BL	PD089915.D	15 Aug 2025 15:31		AR\AJ	Ok
14	PB169261BS	PB169261BS	PD089916.D	15 Aug 2025 16:02		AR\AJ	Ok,M
15	Q2877-01	EO-02-08142025	PD089917.D	15 Aug 2025 16:16		AR\AJ	Ok,M
16	Q2732-03	WC-A7-01-C	PD089918.D	15 Aug 2025 16:29		AR\AJ	Ok,M
17	Q2832-02	TG-S01	PD089919.D	15 Aug 2025 16:43		AR\AJ	Ok
18	Q2832-02MS	TG-S01MS	PD089920.D	15 Aug 2025 16:57		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM
SubDirectory	PD081625	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2832-02MSD	TG-S01MSD	PD089921.D	15 Aug 2025 17:10		AR\AJ	Ok,M
20	Q2832-04	TG-S02	PD089922.D	15 Aug 2025 17:39		AR\AJ	Ok
21	Q2832-06	TG-S03	PD089923.D	15 Aug 2025 17:52		AR\AJ	Ok
22	Q2832-08	TG-S04	PD089924.D	15 Aug 2025 18:06		AR\AJ	Ok
23	I.BLK	I.BLK	PD089925.D	15 Aug 2025 18:20		AR\AJ	Ok
24	PEM	PEM	PD089926.D	15 Aug 2025 18:33		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD089927.D	15 Aug 2025 18:47		AR\AJ	Ok,M
26	Q2832-10	TG-S05	PD089928.D	15 Aug 2025 19:04		AR\AJ	Ok
27	Q2836-03	WC-A2-15-C	PD089929.D	15 Aug 2025 19:17		AR\AJ	Ok
28	Q2836-07	WC-A2-16-C	PD089930.D	15 Aug 2025 19:31		AR\AJ	Ok,M
29	Q2836-11	WC-A2-17-C	PD089931.D	15 Aug 2025 19:45		AR\AJ	Ok,M
30	Q2836-15	WC-A5-02-C	PD089932.D	15 Aug 2025 19:58		AR\AJ	Ok
31	Q2876-01	CL-02-08142025	PD089933.D	15 Aug 2025 20:12		AR\AJ	Ok,M
32	I.BLK	I.BLK	PD089934.D	15 Aug 2025 20:26		AR\AJ	Ok
33	PSTDCCC050	PSTDCCC050	PD089935.D	15 Aug 2025 20:39		AR\AJ	Ok
34	PB169263BL	PB169263BL	PD089936.D	15 Aug 2025 21:34		AR\AJ	Ok
35	PB169263BS	PB169263BS	PD089937.D	15 Aug 2025 21:48		AR\AJ	Ok
36	PB169212TB	PB169212TB	PD089938.D	15 Aug 2025 22:02		AR\AJ	Ok
37	PB169264BL	PB169264BL	PD089939.D	15 Aug 2025 22:15		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM
SubDirectory	PD081625	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	PB169264BS	PB169264BS	PD089940.D	15 Aug 2025 22:29		AR\AJ	Ok
39	PB169264BSD	PB169264BSD	PD089941.D	15 Aug 2025 22:43		AR\AJ	Ok
40	Q2864-01	LAW-25-122-126	PD089942.D	15 Aug 2025 22:56		AR\AJ	Ok,M
41	Q2864-03	LAW-25-113-121	PD089943.D	15 Aug 2025 23:10	Surroage fail	AR\AJ	Not Ok
42	Q2865-02	ARS10-0047	PD089944.D	15 Aug 2025 23:24		AR\AJ	Ok,M
43	I.BLK	I.BLK	PD089945.D	15 Aug 2025 23:38		AR\AJ	Ok,M
44	PEM	PEM	PD089946.D	15 Aug 2025 23:51		AR\AJ	Ok,M
45	PSTDCCC050	PSTDCCC050	PD089947.D	16 Aug 2025 00:05	Comp#14 high in 2nd column	AR\AJ	Ok
46	Q2870-01	DRILL CUTTING 1-5 C	PD089948.D	16 Aug 2025 01:00		AR\AJ	Ok,M
47	Q2870-01MS	DRILL CUTTING 1-5 C	PD089949.D	16 Aug 2025 01:13		AR\AJ	Ok,M
48	Q2870-01MSD	DRILL CUTTING 1-5 C	PD089950.D	16 Aug 2025 01:27		AR\AJ	Ok,M
49	Q2870-04	DRILL CUTTING 6-9 C	PD089951.D	16 Aug 2025 01:41		AR\AJ	Ok,M
50	Q2871-01	DRILL CUTTING 1-3 C	PD089952.D	16 Aug 2025 01:54		AR\AJ	Ok,M
51	Q2871-04	DRILL CUTTING 4-6 C	PD089953.D	16 Aug 2025 02:08		AR\AJ	Ok,M
52	Q2871-07	DRILL CUTTING 1-5 C	PD089954.D	16 Aug 2025 02:22		AR\AJ	Ok,M
53	Q2872-01	DRILL CUTTING 1-2 C	PD089955.D	16 Aug 2025 02:36		AR\AJ	Ok,M
54	Q2873-01	DRILL CUTTING 1-3 C	PD089956.D	16 Aug 2025 02:49		AR\AJ	Ok,M
55	Q2873-04	DRILL CUTTING 4-6 C	PD089957.D	16 Aug 2025 03:03		AR\AJ	Ok,M
56	I.BLK	I.BLK	PD089958.D	16 Aug 2025 03:17		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081625

Review By	Abdul	Review On	8/18/2025 7:48:04 AM				
Supervise By	mohammad	Supervise On	8/19/2025 1:27:21 AM				
SubDirectory	PD081625	HP Acquire Method	HP Processing Method		pd073125 8081		
STD. NAME		STD REF.#					
Tune/Reschk		PP24433,PP24651					
Initial Calibration Stds		PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764					
CCC		PP24751,PP24756,PP24761					
Internal Standard/PEM							
ICV/I.BLK		PP24754,PP24759,PP24761					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							
57	PSTDCCC050	PSTDCCC050	PD089959.D	16 Aug 2025 03:30	Comp#14 high in 2nd column	AR/AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 08/12/2025 **Time :** 17:00

End Prep Date : 08/13/2025 **Time :** 10:35

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 70

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : *JP*

Supervisor By : *RM*

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

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

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. Q2838-08 IS USED for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/13/25 11:50	<i>JP</i> / <i>ICN Room</i>	<i>JP</i> / <i>RJ / E+L</i>
	Preparation Group	Analysis Group

/ RM

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
PB169212TB	LEB212	13	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2732-03	WC-A7-01-C	01	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2832-02	TG-S01	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2832-04	TG-S02	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2832-06	TG-S03	04	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2832-08	TG-S04	05	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2832-10	TG-S05	06	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2836-03	WC-A2-15-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-07	WC-A2-16-C	08	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2836-11	WC-A2-17-C	09	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-15	WC-A5-02-C	10	100.02	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q2838-04	TP-11	11	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2838-08	TP-10	12	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169212TB	LEB212	N/A	N/A	N/A	N/A	N/A	N/A
Q2732-03	WC-A7-01-C	N/A	N/A	N/A	N/A	100	N/A
Q2832-02	TG-S01	N/A	N/A	N/A	N/A	100	N/A
Q2832-04	TG-S02	N/A	N/A	N/A	N/A	100	N/A
Q2832-06	TG-S03	N/A	N/A	N/A	N/A	100	N/A
Q2832-08	TG-S04	N/A	N/A	N/A	N/A	100	N/A
Q2832-10	TG-S05	N/A	N/A	N/A	N/A	100	N/A
Q2836-03	WC-A2-15-C	N/A	N/A	N/A	N/A	100	N/A
Q2836-07	WC-A2-16-C	N/A	N/A	N/A	N/A	100	N/A
Q2836-11	WC-A2-17-C	N/A	N/A	N/A	N/A	100	N/A
Q2836-15	WC-A5-02-C	N/A	N/A	N/A	N/A	100	N/A
Q2838-04	TP-11	N/A	N/A	N/A	N/A	100	N/A
Q2838-08	TP-10	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
PB169212TB	LEB212	N/A	N/A	N/A	N/A	#1	4.93
Q2732-03	WC-A7-01-C	5.02	96.5	11.5	4.5	#1	4.93
Q2832-02	TG-S01	5.02	96.5	8.4	3.5	#1	4.93
Q2832-04	TG-S02	5.01	96.5	8.4	3.5	#1	4.93
Q2832-06	TG-S03	5.02	96.5	8.2	3.0	#1	4.93
Q2832-08	TG-S04	5.03	96.5	8.0	3.0	#1	4.93
Q2832-10	TG-S05	5.04	96.5	7.0	2.5	#1	4.93
Q2836-03	WC-A2-15-C	5.03	96.5	12.0	4.5	#1	4.93
Q2836-07	WC-A2-16-C	5.02	96.5	12.0	4.5	#1	4.93
Q2836-11	WC-A2-17-C	5.03	96.5	12.5	4.5	#1	4.93
Q2836-15	WC-A5-02-C	5.02	96.5	11.5	4.5	#1	4.93
Q2838-04	TP-11	5.03	96.5	7.6	3.0	#1	4.93
Q2838-08	TP-10	5.02	96.5	7.2	2.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip q2832

WorkList ID : 191220

Department : TCLP Extraction

Date : 08-12-2025 11:53:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2732-03	WC-A7-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J21	08/12/2025	1311
Q2832-02	TG-S01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-04	TG-S02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-06	TG-S03	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-08	TG-S04	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311
Q2832-10	TG-S02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	J21	08/12/2025	1311
Q2836-03	WC-A2-15-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2836-07	WC-A2-16-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2836-11	WC-A2-17-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2836-15	WC-A5-02-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311
Q2838-04	TP-11	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	08/12/2025	1311
Q2838-08	TP-10	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	08/12/2025	1311

Date/Time 08/12/25 14:30

Raw Sample Received by: CP SM

Raw Sample Relinquished by: CP SM

Date/Time 08/12/25

Raw Sample Received by: CP SM

Raw Sample Relinquished by: CP SM

SOP ID:	M3510C,3580A-Extraction Pesticide-17		
Clean Up SOP #:	N/A	Extraction Start Date :	08/15/2025
Matrix :	Water	Extraction Start Time :	09:50
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Filter By:	RJ
Balance ID:	N/A	Extraction End Date :	08/15/2025
pH Strip Lot#:	E3880	Extraction End Time :	14:30
		Concentration By:	RS
		Supervisor By :	RUPESH
Extraction Method:	☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24766
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3954
Baked Na2SO4	N/A	EP2632
Hexane	N/A	E3962
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 BTS723.

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
8/15/25	RS (Ext Lab)	Y-P-PeppUB
14:35	Preparation Group	Analysis Group

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

Concentration Date: 08/15/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169212TB	PB169212TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB169263BL	PBLK263	TCLP Pesticide	1000	6	RUPESH	ritesh	10			2
PB169263BS	PLCS263	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
Q2732-03	WC-A7-01-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		4
Q2832-02	TG-S01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q2832-02MS	TG-S01MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q2832-02MS D	TG-S01MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q2832-04	TG-S02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q2832-06	TG-S03	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q2832-08	TG-S04	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q2832-10	TG-S05	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11
Q2836-03	WC-A2-15-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		12
Q2836-07	WC-A2-16-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		13
Q2836-11	WC-A2-17-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		14
Q2836-15	WC-A5-02-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		15

* Extracts relinquished on the same date as received.

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
PB169212TB	LEB212	13	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2732-03	WC-A7-01-C	01	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2832-02	TG-S01	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2832-04	TG-S02	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2832-06	TG-S03	04	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2832-08	TG-S04	05	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2832-10	TG-S05	06	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2836-03	WC-A2-15-C	07	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-07	WC-A2-16-C	08	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2836-11	WC-A2-17-C	09	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2836-15	WC-A5-02-C	10	100.02	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q2838-04	TP-11	11	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2838-08	TP-10	12	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2

08/13/25
121.00



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: **Gannett Fleming**
ADDRESS: **1010 Abrams Ave**
CITY: **Auburn** STATE: **PA** ZIP: **19403**
ATTENTION: **Joe Krupansky**
PHONE: **610-301-8342** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Amtrak Replacement of Southern Bridges**
PROJECT NO.: LOCATION: **Keansburg, NJ**
PROJECT MANAGER: **Joe Krupansky**
e-mail: **Gjake@bemsys.com**
PHONE: **610-301-8342** FAX:

CLIENT BILLING INFORMATION

BILL TO: **Alliance** PO#: **284**
ADDRESS: **284 Sheffield St**
CITY: **Mountainside** STATE: **NJ** ZIP: **07092**
ATTENTION: **Yazmen Gueez** PHONE: **908-728-3998**

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
X EDD FORMAT **DEM EDD**

1. **TCL-Sink+25**
2. **TCL-Vol+10**
3. **PLBs**
4. **EPH**
5. **TAL Metals**
6. **TCLP Full Set**
7. **RLRA (PQ)**
8. **CRV/CCL**
9.

PRESERVATIVES

COMMENTS

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.	TG-S01	S		X	8/1/15	0815	9	X	X	X	X	X	X	X	X	X	
2.	TG-S02	I		I	9/15	0915	9	I	I	I	I	I	I	I	I	I	
3.	TG-S03	I		I	11/10	1110	9	I	I	I	I	I	I	I	I	I	
4.	TG-S04	I		I	13/15	1315	9	I	I	I	I	I	I	I	I	I	
5.	TG-S05	I		I	8/1/15	0725	9	I	I	I	I	I	I	I	I	I	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 8/12/15 0910	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 1.9 C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments: If Can't
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
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 : Q2832 PORT06

Order Date : 8/12/2025 9:37:00 AM

Project Mgr :

Client Name : Portal Partners Tri-Venture

Project Name : Amtrak Sawtooth Bridges 2

Report Type : NJ Reduced

Client Contact : Joseph Krupansky

Receive DateTime : 8/12/2025 9:10:00 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
Q2832-01	TG-S01	Solid	08/11/2025	08:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2832-03	TG-S02	Solid	08/11/2025	09:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2832-05	TG-S03	Solid	08/11/2025	11:10	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2832-07	TG-S04	Solid	08/11/2025	13:45	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2832-09	TG-S05	Solid	08/12/2025	07:25	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : af

Date / Time : 8/12/25 10:15

Received By : Sam

Date / Time : 08/12/25 10:15

Storage Area : VOA Refridgerator Room