

Cover Page

Order ID : Q2409

Project ID : Millville Sewage Treatment Plant - Field Sampling

Client : Coppola Services

Lab Sample Number

Q2409-01
Q2409-02

Client Sample Number

COP-SOIL-PILE
COP-SOIL-PILE

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

Signature : _____

Date: 7/1/2025

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 #: Q2409

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 07/01/2025

LAB CHRONICLE

OrderID:	Q2409	OrderDate:	6/24/2025 2:11:50 PM
Client:	Coppola Services	Project:	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-02	COP-SOIL-PILE	SOIL			06/24/25			06/24/25
			PCB	8082A		06/26/25	06/26/25	
			TPH GC	8015D		06/30/25	06/30/25	
			TCLP PesticideGroup1	8081B		07/01/25	07/01/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2409

Order ID: Q2409

Client: Coppola Services

Project ID: Millville Sewage Treatment Plant - Fie

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.: **Q2409**

Client: **Coppola Services**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphen	1	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	16.1	80		30 (61)	150 (148)
		Decachlorobiphen	2	20	18.6	93		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	17.7	88		30 (61)	150 (148)
I.BLK-PD089276.D	PIBLK-PD089276.D	Decachlorobiphen	1	20	23.0	115		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	20.9	105		30 (61)	150 (148)
		Decachlorobiphen	2	20	22.4	112		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	23.2	116		30 (61)	150 (148)
PB168676BL	PB168676BL	Decachlorobiphen	1	20	19.6	98		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.1	91		30 (61)	150 (148)
		Decachlorobiphen	2	20	19.4	97		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.7	104		30 (61)	150 (148)
PB168676BS	PB168676BS	Decachlorobiphen	1	20	20.6	103		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.5	92		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.4	102		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.9	105		30 (61)	150 (148)
PB168571TB	PB168571TB	Decachlorobiphen	1	20	20.5	102		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	19.0	95		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.6	103		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	21.5	107		30 (61)	150 (148)
Q2409-02	COP-SOIL-PILE	Decachlorobiphen	1	20	18.9	94		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	18.6	93		30 (61)	150 (148)
		Decachlorobiphen	2	20	18.5	93		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	20.1	100		30 (61)	150 (148)
Q2409-02MS	COP-SOIL-PILEMS	Decachlorobiphen	1	20	19.8	99		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	17.0	85		30 (61)	150 (148)
		Decachlorobiphen	2	20	19.7	99		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	17.9	89		30 (61)	150 (148)
Q2409-02MSD	COP-SOIL-PILEMSD	Decachlorobiphen	1	20	19.8	99		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	17.0	85		30 (61)	150 (148)
		Decachlorobiphen	2	20	19.6	98		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	18.1	90		30 (61)	150 (148)
I.BLK-PD089287.D	PIBLK-PD089287.D	Decachlorobiphen	1	20	22.1	110		30 (57)	150 (171)
		Tetrachloro-m-xyl	1	20	21.0	105		30 (61)	150 (148)
		Decachlorobiphen	2	20	20.1	100		30 (57)	150 (171)
		Tetrachloro-m-xyl	2	20	23.4	117		30 (61)	150 (148)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2409</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Coppola Services</u>	DataFile :	<u>PD089282.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2409-02MS	Client Sample ID:		COP-SOIL-PILEMS								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	4.80	ug/L	96				30 (60)	150 (152)	
	Heptachlor	5	0	4.20	ug/L	84				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	4.70	ug/L	94				30 (77)	150 (143)	
	Endrin	5	0	4.60	ug/L	92				30 (76)	150 (144)	
	Methoxychlor	5	0	4.10	ug/L	82				30 (70)	150 (142)	
Lab Sample ID:	Q2409-02MS	Client Sample ID:		COP-SOIL-PILEMS								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	4.70	ug/L	94				30 (60)	150 (152)	
	Heptachlor	5	0	4.10	ug/L	82				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	4.70	ug/L	94				30 (77)	150 (143)	
	Endrin	5	0	4.50	ug/L	90				30 (76)	150 (144)	
	Methoxychlor	5	0	4.10	ug/L	82				30 (70)	150 (142)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2409</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Coppola Services</u>	DataFile :	<u>PD089283.D</u>

	Parameter	Spike	Sample		Units	Rec		RPD		Limits		
			Result			Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2409-02MSD	Client Sample ID:		COP-SOIL-PILEMSD								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	4.80	ug/L	96		0		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.10	ug/L	82		2		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	4.70	ug/L	94		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.60	ug/L	92		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.10	ug/L	82		0		30 (70)	150 (142)	20 (20)
Lab Sample ID:	Q2409-02MSD	Client Sample ID:		COP-SOIL-PILEMSD								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	4.70	ug/L	94		0		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.10	ug/L	82		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	4.70	ug/L	94		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.50	ug/L	90		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.10	ug/L	82		0		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2409</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Coppola Services</u>	Datafile :	<u>PD089279.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168676BS (Column 1)	gamma-BHC (Lindane)	0.5	0.57	ug/L	113				40 (82)	140 (129)	
	Heptachlor	0.5	0.56	ug/L	111				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.56	ug/L	111				40 (81)	140 (124)	
	Endrin	0.5	0.52	ug/L	104				40 (81)	140 (128)	
	Methoxychlor	0.5	0.51	ug/L	103				40 (78)	140 (108)	
PB168676BS (Column 2)	gamma-BHC (Lindane)	0.5	0.56	ug/L	112				40 (82)	140 (129)	
	Heptachlor	0.5	0.54	ug/L	108				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.56	ug/L	113				40 (81)	140 (124)	
	Endrin	0.5	0.51	ug/L	103				40 (81)	140 (128)	
	Methoxychlor	0.5	0.53	ug/L	105				40 (78)	140 (108)	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168676BL

Lab Name: Alliance

Contract: COPP02

Lab Code: ACE

SDG NO.: Q2409

Lab Sample ID: PB168676BL

Lab File ID: PD089278.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/01/2025

Date Analyzed (1): 07/01/2025

Date Analyzed (2): 07/01/2025

Time Analyzed (1): 17:04

Time Analyzed (2): 17:04

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
PB168676BS	PB168676BS	PD089279.D	07/01/2025	07/01/2025
PB168571TB	PB168571TB	PD089280.D	07/01/2025	07/01/2025
COP-SOIL-PILE	Q2409-02	PD089281.D	07/01/2025	07/01/2025
COP-SOIL-PILEMS	Q2409-02MS	PD089282.D	07/01/2025	07/01/2025
COP-SOIL-PILEMSD	Q2409-02MSD	PD089283.D	07/01/2025	07/01/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Coppola Services	Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	07/01/25
Client Sample ID:	PB168571TB	SDG No.:	Q2409
Lab Sample ID:	PB168571TB	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP PesticideGroup1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089280.D	1	07/01/25 09:19	07/01/25 17:32	PB168676

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	21.5		30 (61) - 150 (148)	107%	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\PD070225\
Data File : PD089280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 17:32
Operator : AR\AJ
Sample : PB168571TB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168571TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:48:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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...	3.550	2.881	54131860	363.8E6	18.973	21.459
28)	SA Decachlor...	9.073	8.071	80456330	406.6E6	20.485	20.569

Target Compounds

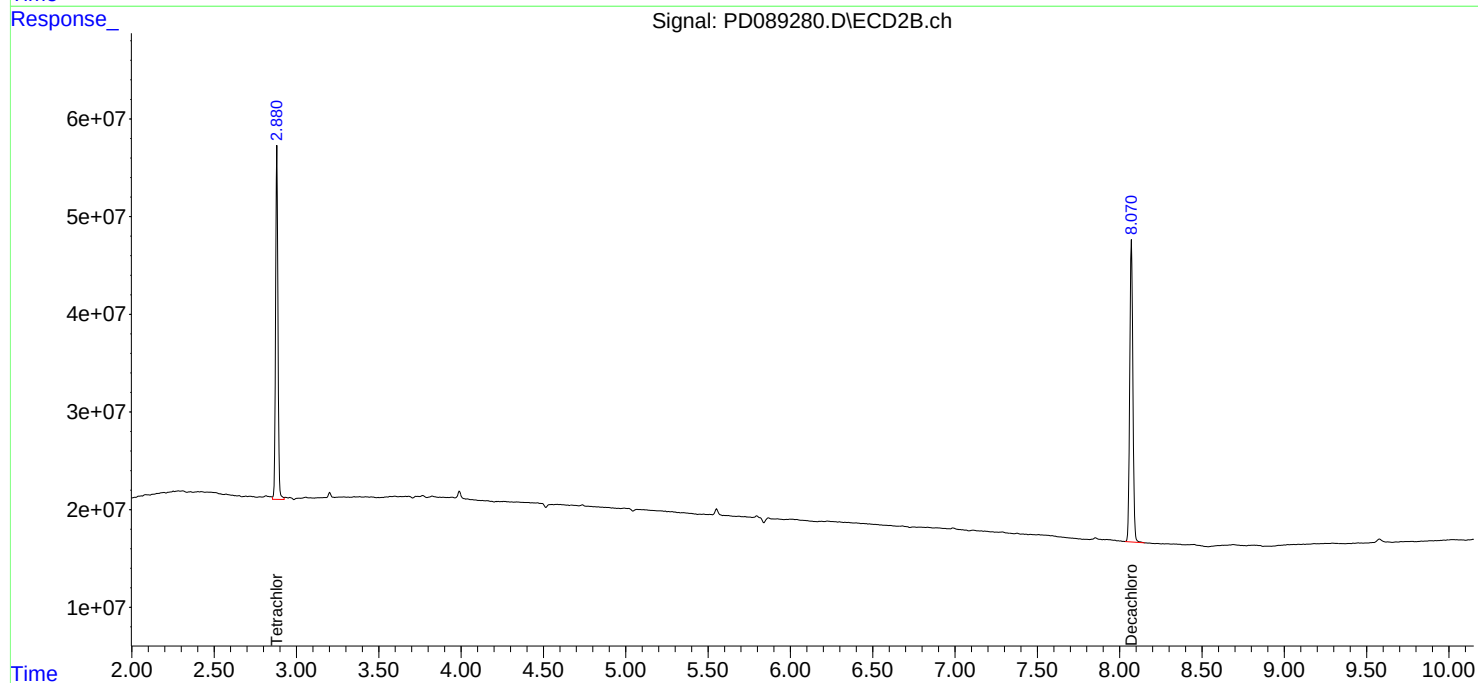
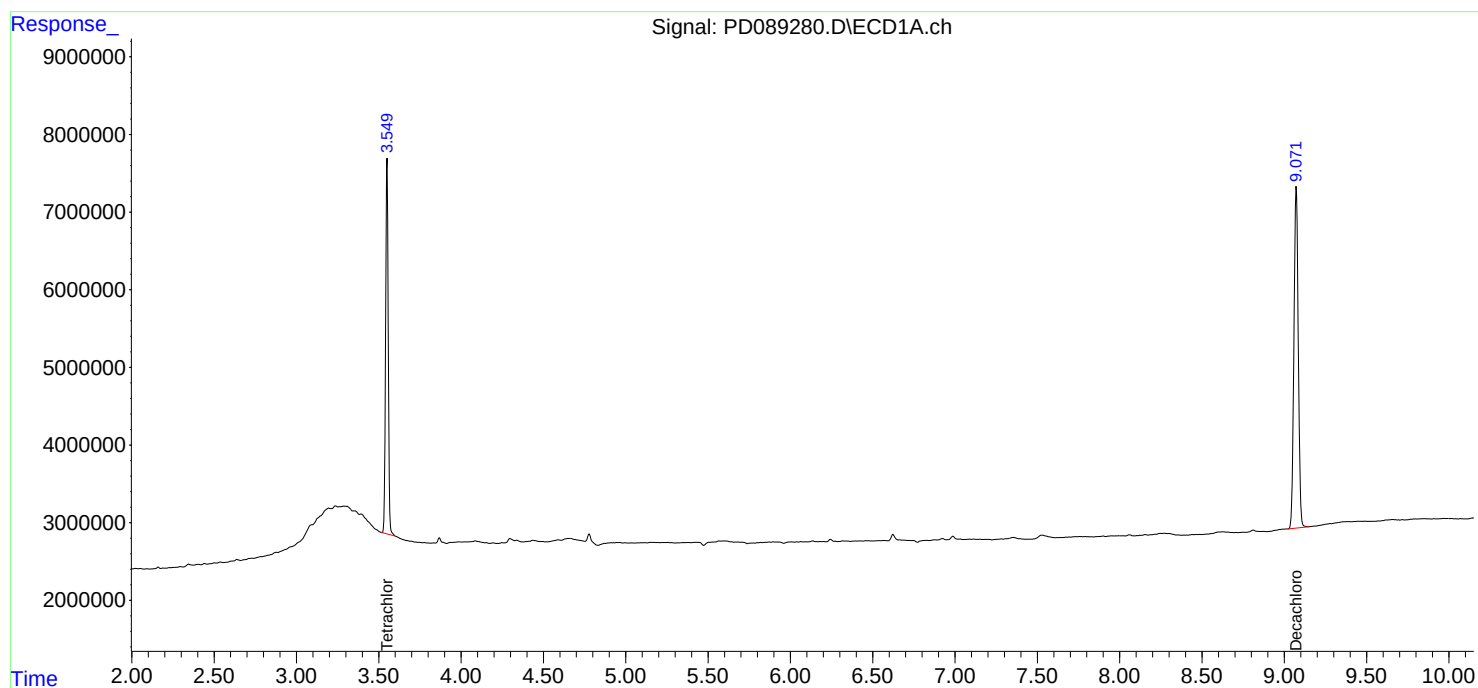
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

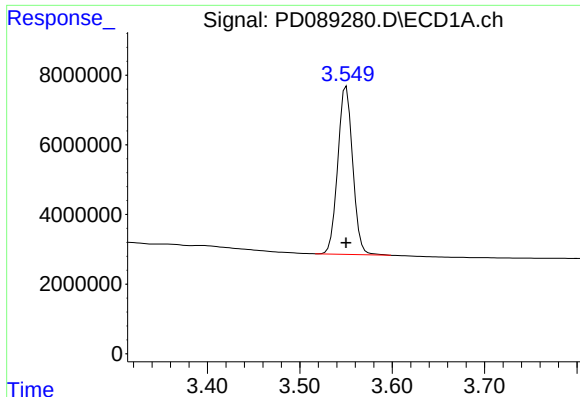
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 17:32
Operator : AR\AJ
Sample : PB168571TB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168571TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:48:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

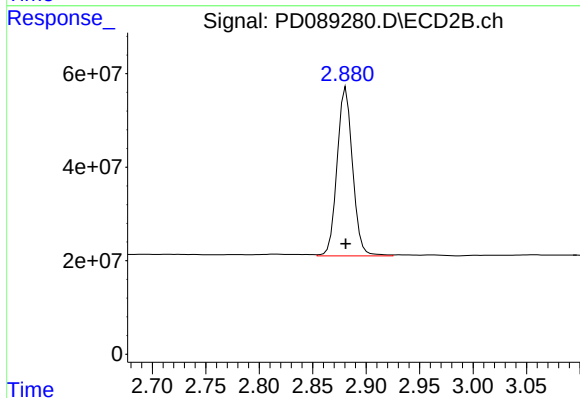




#1 Tetrachloro-m-xylene

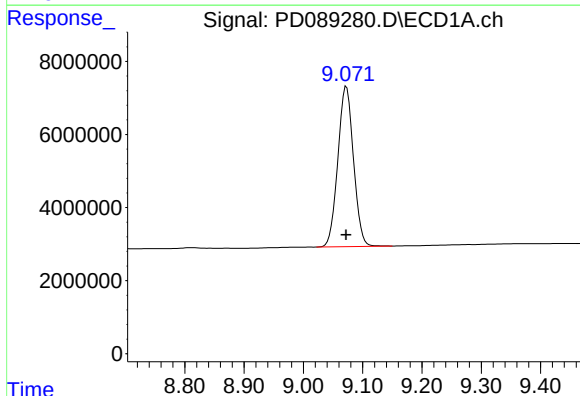
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 54131860
Conc: 18.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168571TB



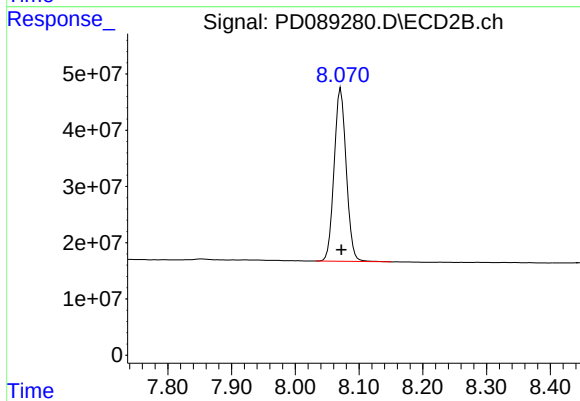
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 363790839
Conc: 21.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 80456330
Conc: 20.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 406640990
Conc: 20.57 ng/ml

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-02	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP PesticideGroup1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089281.D	1	07/01/25 09:19	07/01/25 17:45	PB168676

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	18.9		30 (57) - 150 (171)	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		30 (61) - 150 (148)	100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089281.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 17:45
 Operator : AR\AJ
 Sample : Q2409-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COP-SOIL-PILE

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:49:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.550	2.882	52962249	340.2E6	18.563	20.068
28)	SA Decachlor...	9.072	8.071	74087146	365.9E6	18.863	18.507

Target Compounds

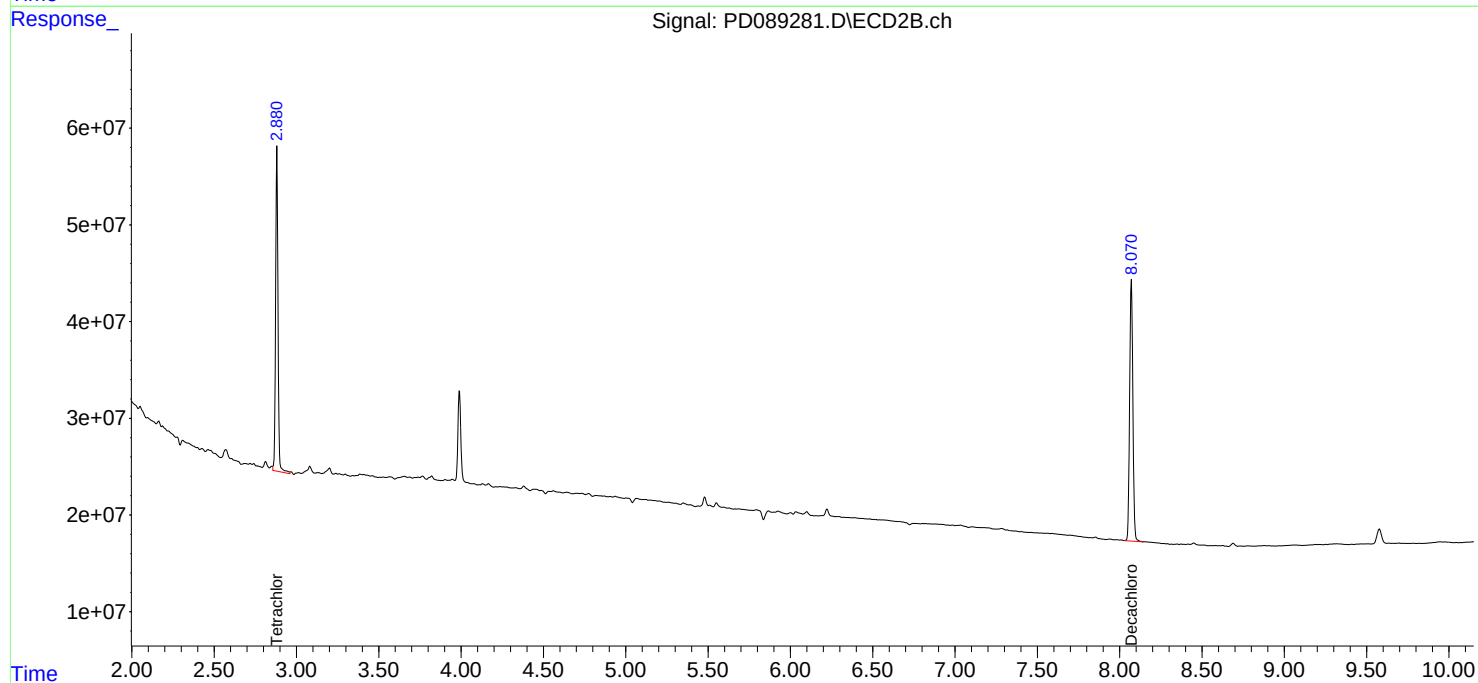
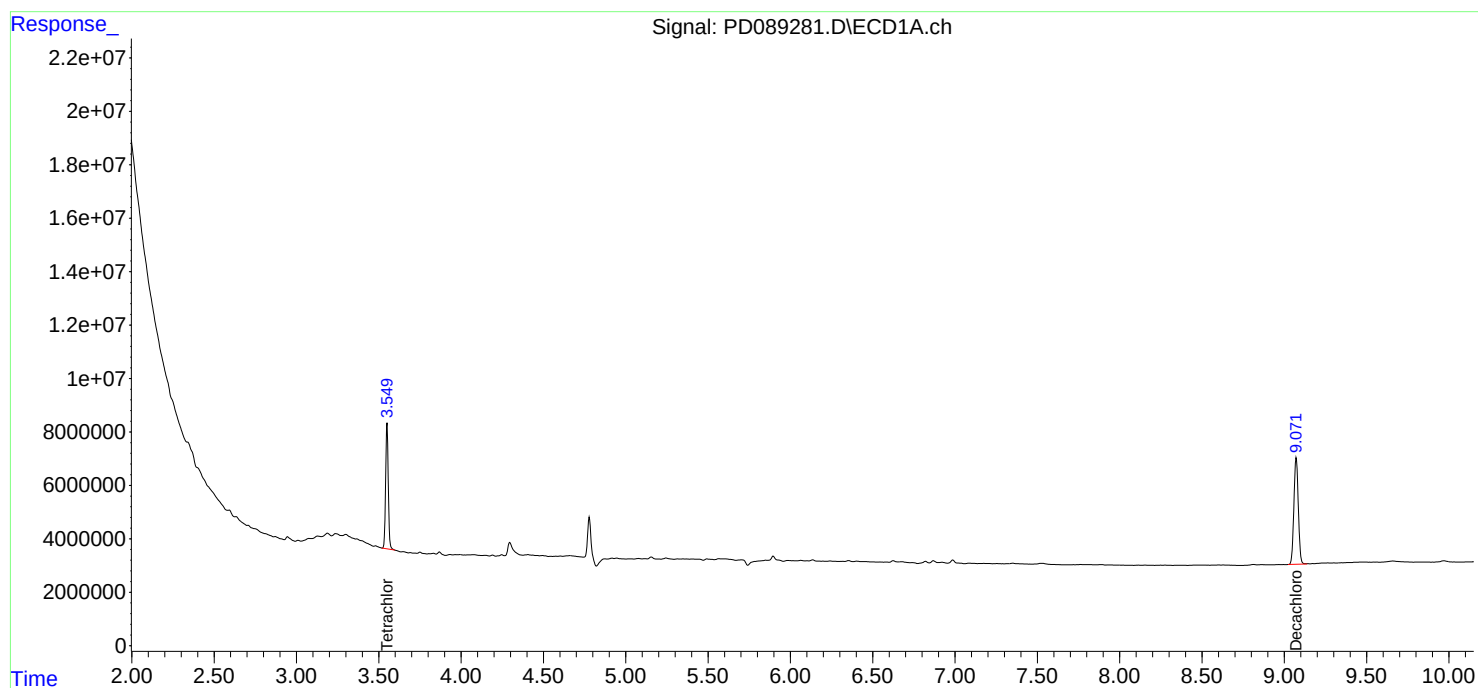
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

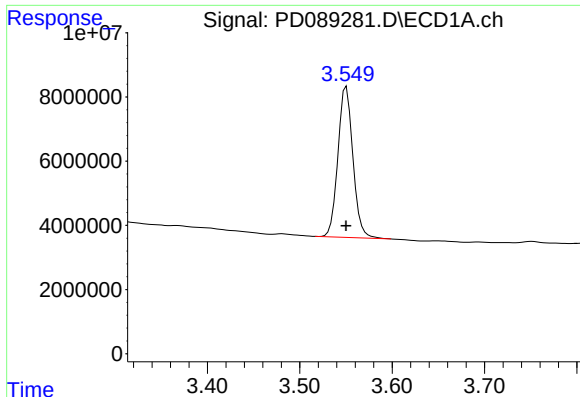
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089281.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 17:45
Operator : AR\AJ
Sample : Q2409-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:49:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial 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

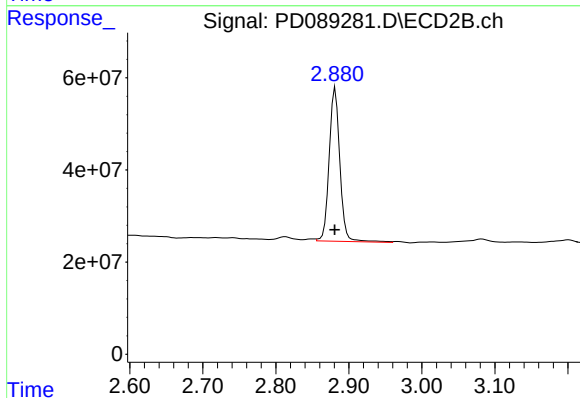




#1 Tetrachloro-m-xylene

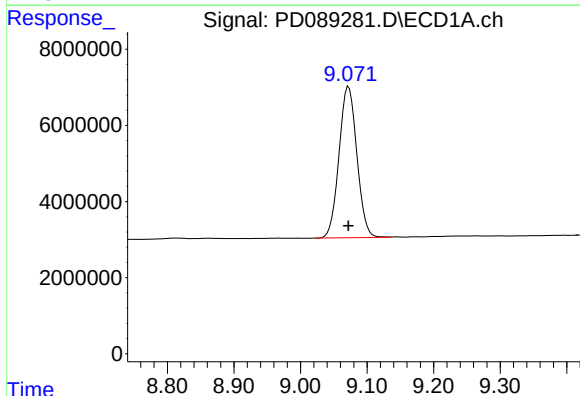
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 52962249
Conc: 18.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILE



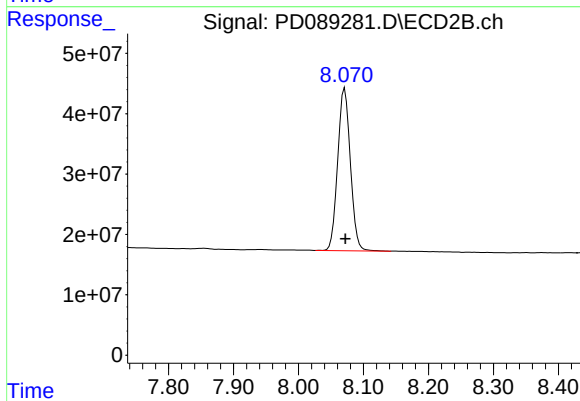
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 340214481
Conc: 20.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 74087146
Conc: 18.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 365888200
Conc: 18.51 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Instrument ID: ECD_D

Calibration Date(s): 06/17/2025 06/17/2025

Calibration Times: 15:52 16:47

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

LAB FILE ID:		CF 100 =	<u>PD088993.D</u>	CF 075 =	<u>PD088994.D</u>		
CF 050 =		<u>PD088995.D</u>	CF 025 =	<u>PD088996.D</u>	CF 005 =	<u>PD088997.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3598890000	3628150000	3773200000	3897960000	4739940000	3927630000	12
Endrin	4238140000	4109540000	4096430000	3878120000	4305700000	4125590000	4
gamma-BHC (Lindane)	5900830000	5686510000	5566590000	5221690000	5532800000	5581680000	4
Heptachlor	5621840000	5429540000	5358570000	5116310000	5733550000	5451960000	4
Heptachlor epoxide	4794850000	4673610000	4749650000	4554690000	5346870000	4823940000	6
Methoxychlor	1926110000	1918890000	1971480000	1982080000	2304580000	2020630000	8
Tetrachloro-m-xylene	2812300000	2762040000	2767280000	2751820000	3172230000	2853130000	6



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Instrument ID: ECD_D

Calibration Date(s): 06/17/2025 06/17/2025

Calibration Times: 15:52 16:47

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

LAB FILE ID:		CF 100 =	<u>PD088993.D</u>	CF 075 =	<u>PD088994.D</u>		
CF 050 =		<u>PD088995.D</u>	CF 025 =	<u>PD088996.D</u>	CF 005 =	<u>PD088997.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	17946500000	17939700000	18428600000	19427500000	25107500000	19770000000	15
Endrin	20535400000	19906600000	20644700000	21276500000	26206500000	21713900000	12
gamma-BHC (Lindane)	23622800000	23442000000	23749900000	24221500000	28748400000	24756900000	9
Heptachlor	23291600000	23365200000	23922200000	24716000000	29896800000	25038400000	11
Heptachlor epoxide	20080600000	20251900000	20827300000	21695300000	26635200000	21898100000	12
Methoxychlor	9712450000	9897880000	10259100000	10830900000	13140100000	10768100000	13
Tetrachloro-m-xylene	15879800000	15866400000	15978000000	16730900000	20310700000	16953200000	11



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Instrument ID: ECD_D Date(s) Analyzed: 06/17/2025 06/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.72	4.62	4.82	206627000
		2	5.24	5.14	5.34	207422000
		3	5.95	5.85	6.05	851673000
		4	6.03	5.93	6.13	1022420000
		5	6.87	6.77	6.97	177098000
Toxaphene	500	1	6.24	6.14	6.34	33601800
		2	6.44	6.34	6.54	47528600
		3	7.15	7.05	7.25	87292700
		4	7.56	7.46	7.66	111357000
		5	7.93	7.83	8.03	63112600



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Instrument ID: ECD_D Date(s) Analyzed: 06/17/2025 06/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.91	3.81	4.01	897407000
		2	4.49	4.39	4.59	903889000
		3	5.13	5.03	5.23	2826390000
		4	5.19	5.09	5.29	2383280000
		5	6.09	5.99	6.19	1092520000
Toxaphene	500	1	5.47	5.37	5.57	158160000
		2	5.65	5.55	5.75	108820000
		3	6.76	6.66	6.86	511856000
		4	7.20	7.10	7.30	350145000
		5	7.33	7.23	7.43	253920000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD088993.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 15:52
 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: Jun 18 05:22:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.550	2.881	281.2E6	1588.0E6	101.627	99.386
28)	SA Decachlor...	9.072	8.072	359.9E6	1794.6E6	95.380	97.384
Target Compounds							
2)	A alpha-BHC	3.999	3.393	629.5E6	2564.9E6	107.160	99.226
3)	MA gamma-BHC...	4.330	3.729	590.1E6	2362.3E6	106.005	99.465
4)	MA Heptachlor	4.929	4.083	562.2E6	2329.2E6	104.913	97.364
5)	MB Aldrin	5.271	4.369	550.4E6	2271.9E6	104.745	98.099
6)	B beta-BHC	4.515	4.025	213.7E6	990.4E6	99.957	97.111
7)	B delta-BHC	4.764	4.262	554.6E6	2361.4E6	107.022	98.728
8)	B Heptachlo...	5.691	4.873	479.5E6	2008.1E6	100.952	96.415
9)	A Endosulfan I	6.074	5.247	451.1E6	1917.0E6	102.235	99.248
10)	B gamma-Chl...	5.946	5.126	486.9E6	2222.9E6	103.249	98.710
11)	B alpha-Chl...	6.027	5.191	488.5E6	2119.1E6	103.177	98.241
12)	B 4,4'-DDE	6.195	5.375	456.4E6	2134.3E6	105.838	97.800
13)	MA Dieldrin	6.347	5.513	493.4E6	2143.9E6	103.861	96.917
14)	MA Endrin	6.574	5.789	423.8E6	2053.5E6	103.459	99.471
15)	B Endosulfa...	6.786	6.081	382.9E6	1847.3E6	95.682	96.784
16)	A 4,4'-DDD	6.705	5.930	355.7E6	1775.4E6	104.198	97.597
17)	MA 4,4'-DDT	7.020	6.184	392.8E6	1939.1E6	104.384	98.963
18)	B Endrin al...	6.915	6.259	296.4E6	1377.4E6	100.001	95.787
19)	B Endosulfa...	7.148	6.482	378.7E6	1792.6E6	101.211	96.935
20)	A Methoxychlor	7.493	6.755	192.6E6	971.2E6	97.699	94.672
21)	B Endrin ke...	7.629	6.992	405.0E6	1958.7E6	101.129	95.798
22)	Mirex	8.113	7.186	280.1E6	1495.3E6	96.467	95.966

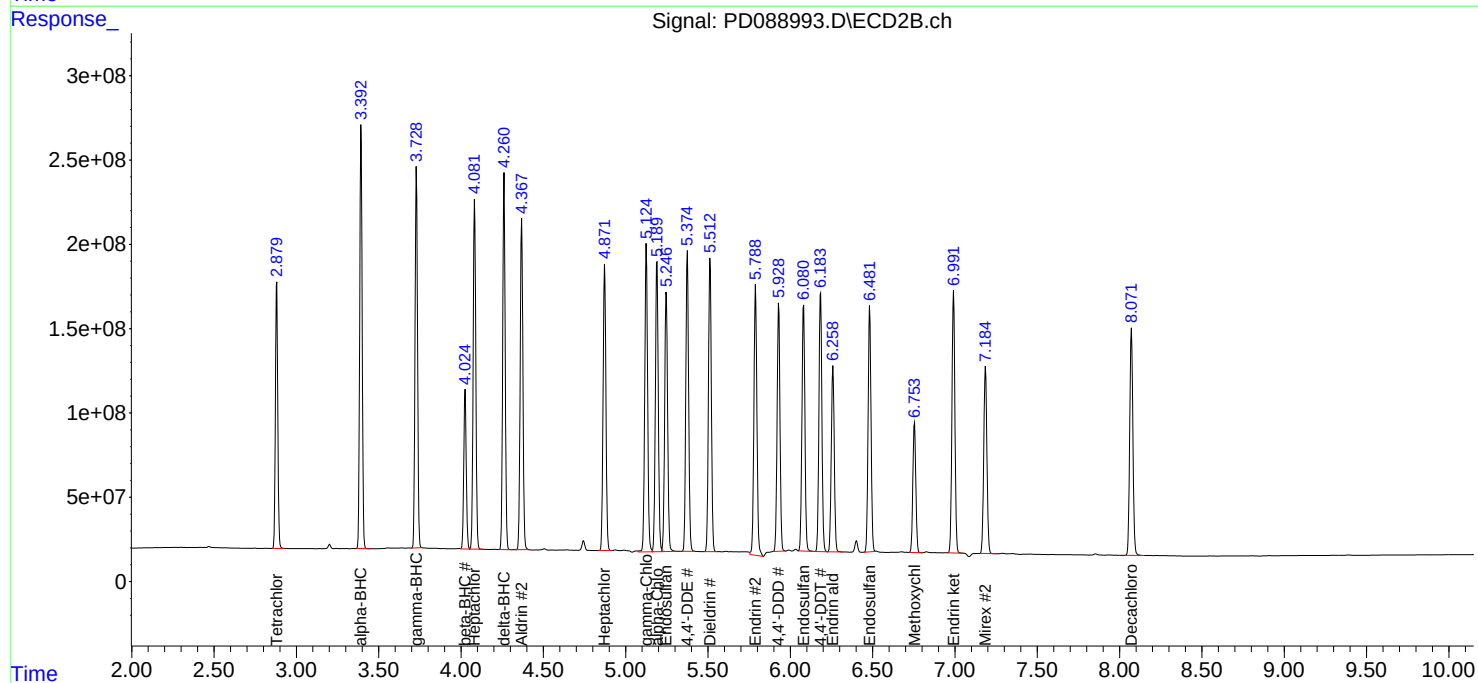
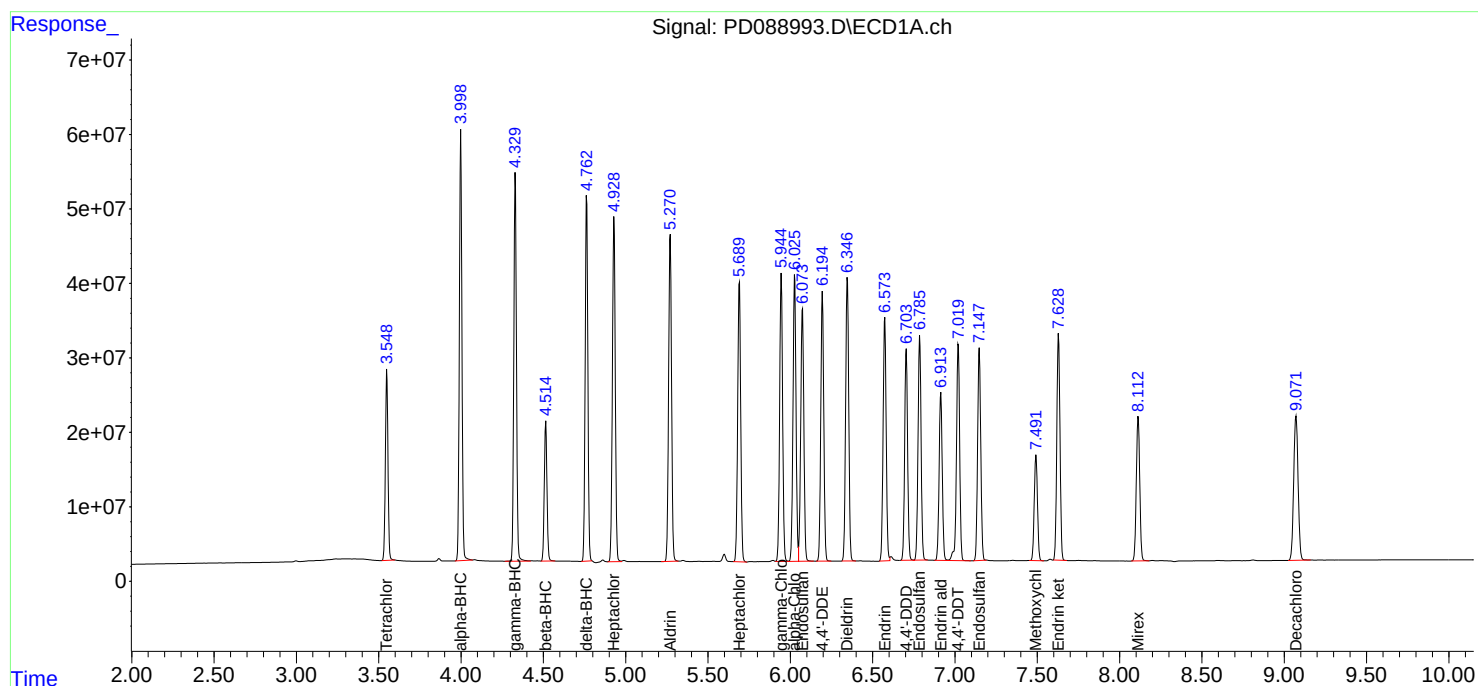
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
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: Jun 18 05:22:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD061825\
 Data File : PD088994.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 16:06
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC075

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:22:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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	2.880	207.2E6	1190.0E6	74.858	74.476
2)	SA Decachlor...	9.072	8.072	272.1E6	1345.5E6	72.117	73.010
Target Compounds							
2)	A alpha-BHC	3.999	3.393	452.4E6	1907.9E6	77.005	73.809
3)	MA gamma-BHC...	4.330	3.729	426.5E6	1758.1E6	76.616	74.028
4)	MA Heptachlor	4.929	4.082	407.2E6	1752.4E6	75.993	73.254
5)	MB Aldrin	5.271	4.369	398.4E6	1706.1E6	75.826	73.667
6)	B beta-BHC	4.515	4.025	157.6E6	743.9E6	73.708	72.943
7)	B delta-BHC	4.764	4.262	396.9E6	1765.0E6	76.587	73.793
8)	B Heptachlo...	5.690	4.872	350.5E6	1518.9E6	73.799	72.928
9)	A Endosulfan I	6.074	5.247	330.4E6	1440.1E6	74.884	74.556
10)	B gamma-Chl...	5.945	5.125	360.1E6	1651.7E6	76.355	73.345
11)	B alpha-Chl...	6.026	5.190	356.9E6	1585.9E6	75.384	73.520
12)	B 4,4'-DDE	6.195	5.375	330.1E6	1608.0E6	76.545	73.682
13)	MA Dieldrin	6.346	5.513	359.8E6	1621.7E6	75.739	73.309
14)	MA Endrin	6.574	5.789	308.2E6	1493.0E6	75.240	72.319
15)	B Endosulfa...	6.785	6.080	298.7E6	1393.0E6	74.627	72.983
16)	A 4,4'-DDD	6.704	5.929	257.9E6	1342.5E6	75.552	73.799
17)	MA 4,4'-DDT	7.020	6.183	285.1E6	1449.6E6	75.769	73.981
18)	B Endrin al...	6.914	6.259	220.2E6	1044.0E6	74.277	72.605
19)	B Endosulfa...	7.149	6.482	278.9E6	1353.3E6	74.530	73.179
20)	A Methoxychlor	7.493	6.754	143.9E6	742.3E6	73.000	72.360
21)	B Endrin ke...	7.629	6.991	297.8E6	1486.9E6	74.361	72.720
22)	Mirex	8.113	7.185	210.7E6	1130.6E6	72.582	72.559

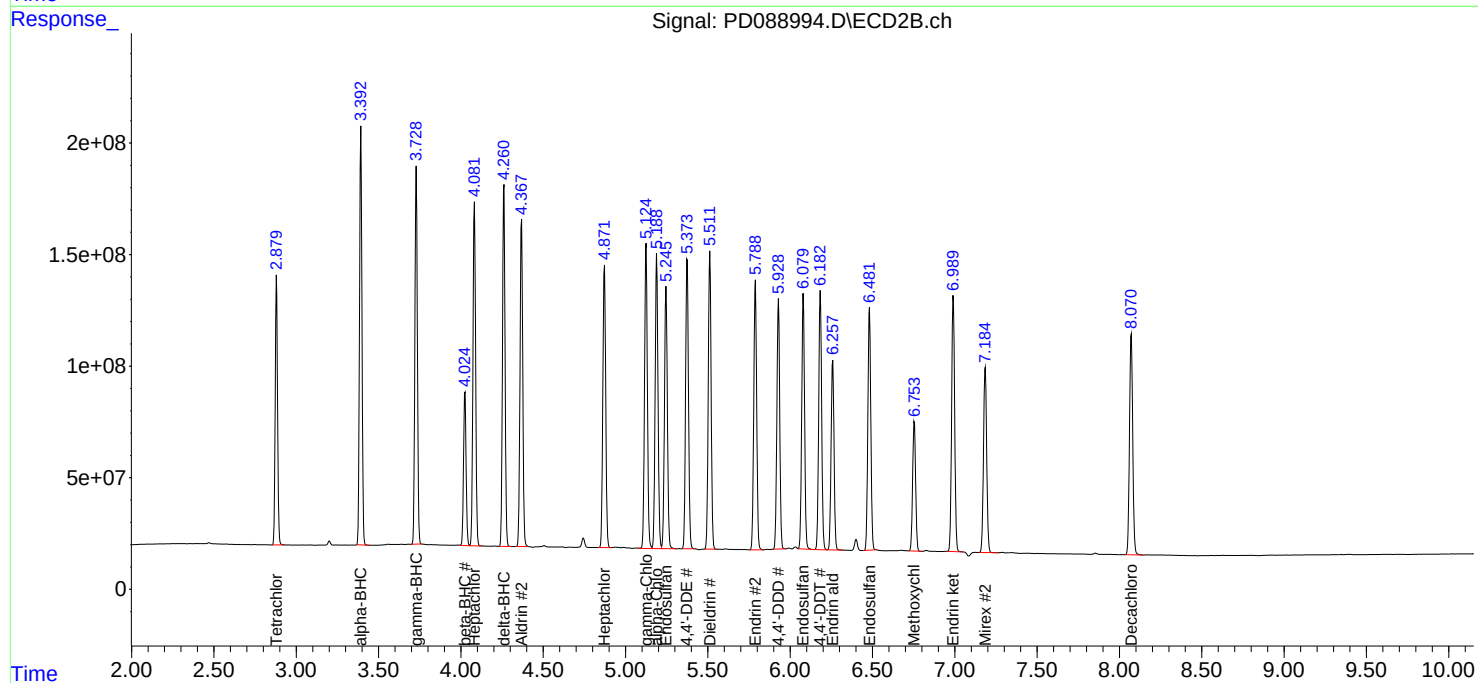
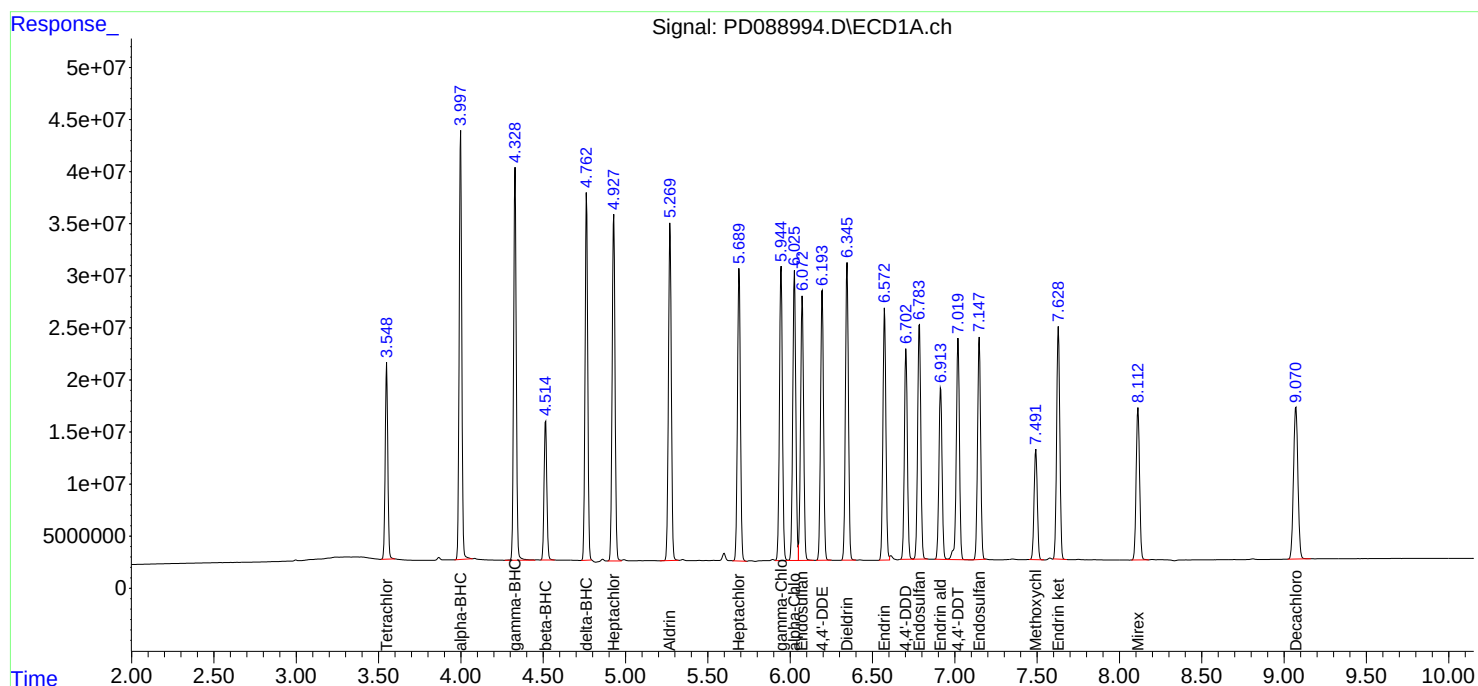
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD061825\
 Data File : PD088995.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 16:20
 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: Jun 18 05:23:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.550	2.880	138.4E6	798.9E6	50.000	50.000
28)	SA Decachlor...	9.072	8.072	188.7E6	921.4E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.999	3.393	293.7E6	1292.5E6	50.000	50.000
3)	MA gamma-BHC...	4.330	3.730	278.3E6	1187.5E6	50.000	50.000
4)	MA Heptachlor	4.929	4.083	267.9E6	1196.1E6	50.000	50.000
5)	MB Aldrin	5.271	4.369	262.7E6	1158.0E6	50.000	50.000
6)	B beta-BHC	4.515	4.026	106.9E6	509.9E6	50.000	50.000
7)	B delta-BHC	4.764	4.262	259.1E6	1195.9E6	50.000	50.000
8)	B Heptachlo...	5.691	4.873	237.5E6	1041.4E6	50.000	50.000
9)	A Endosulfan I	6.075	5.247	220.6E6	965.8E6	50.000	50.000
10)	B gamma-Chl...	5.946	5.126	235.8E6	1126.0E6	50.000	50.000
11)	B alpha-Chl...	6.027	5.191	236.7E6	1078.5E6	50.000	50.000
12)	B 4,4'-DDE	6.196	5.375	215.6E6	1091.2E6	50.000	50.000
13)	MA Dieldrin	6.347	5.513	237.5E6	1106.0E6	50.000	50.000
14)	MA Endrin	6.575	5.789	204.8E6	1032.2E6	50.000	50.000
15)	B Endosulfa...	6.786	6.081	200.1E6	954.4E6	50.000	50.000
16)	A 4,4'-DDD	6.705	5.930	170.7E6	909.6E6	50.000	50.000
17)	MA 4,4'-DDT	7.021	6.184	188.2E6	979.7E6	50.000	50.000
18)	B Endrin al...	6.915	6.259	148.2E6	719.0E6	50.000	50.000
19)	B Endosulfa...	7.149	6.483	187.1E6	924.6E6	50.000	50.000
20)	A Methoxychlor	7.493	6.755	98574001	513.0E6	50.000	50.000
21)	B Endrin ke...	7.630	6.992	200.2E6	1022.3E6	50.000	50.000
22)	Mirex	8.114	7.186	145.2E6	779.1E6	50.000	50.000

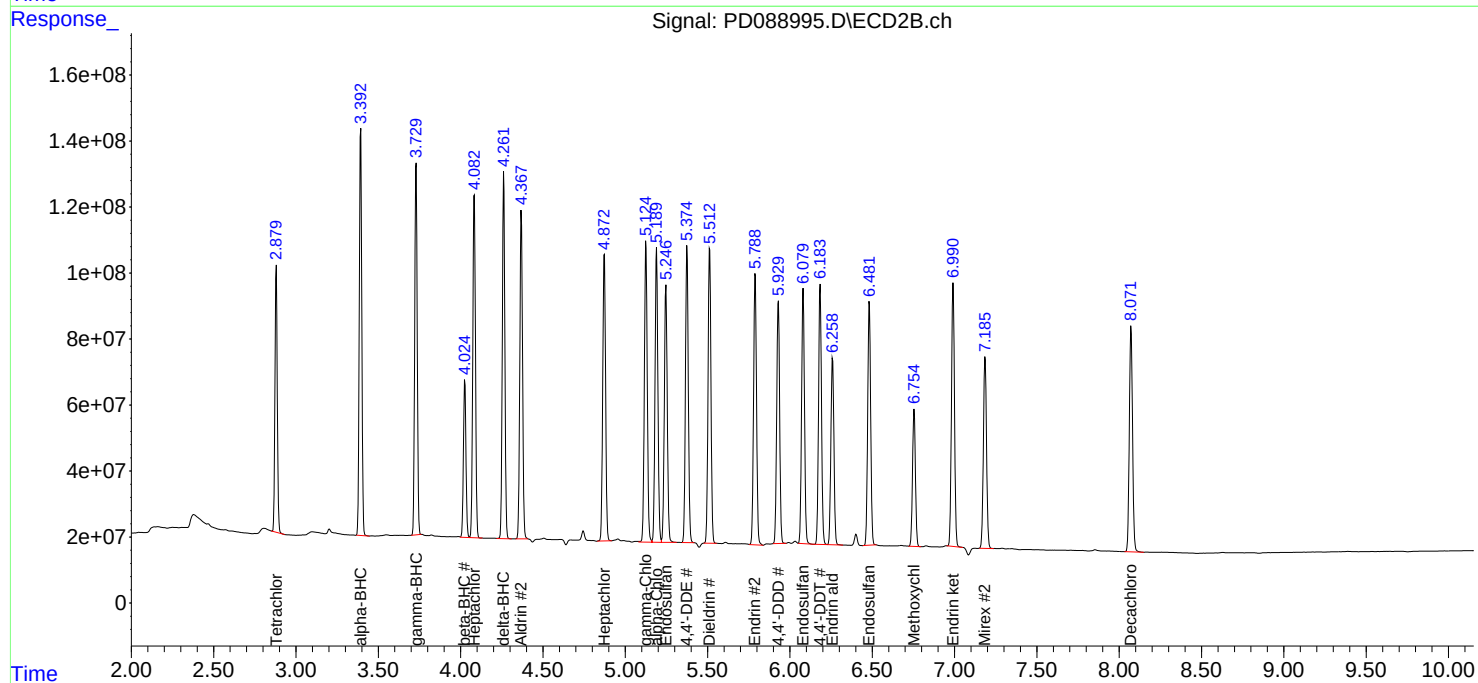
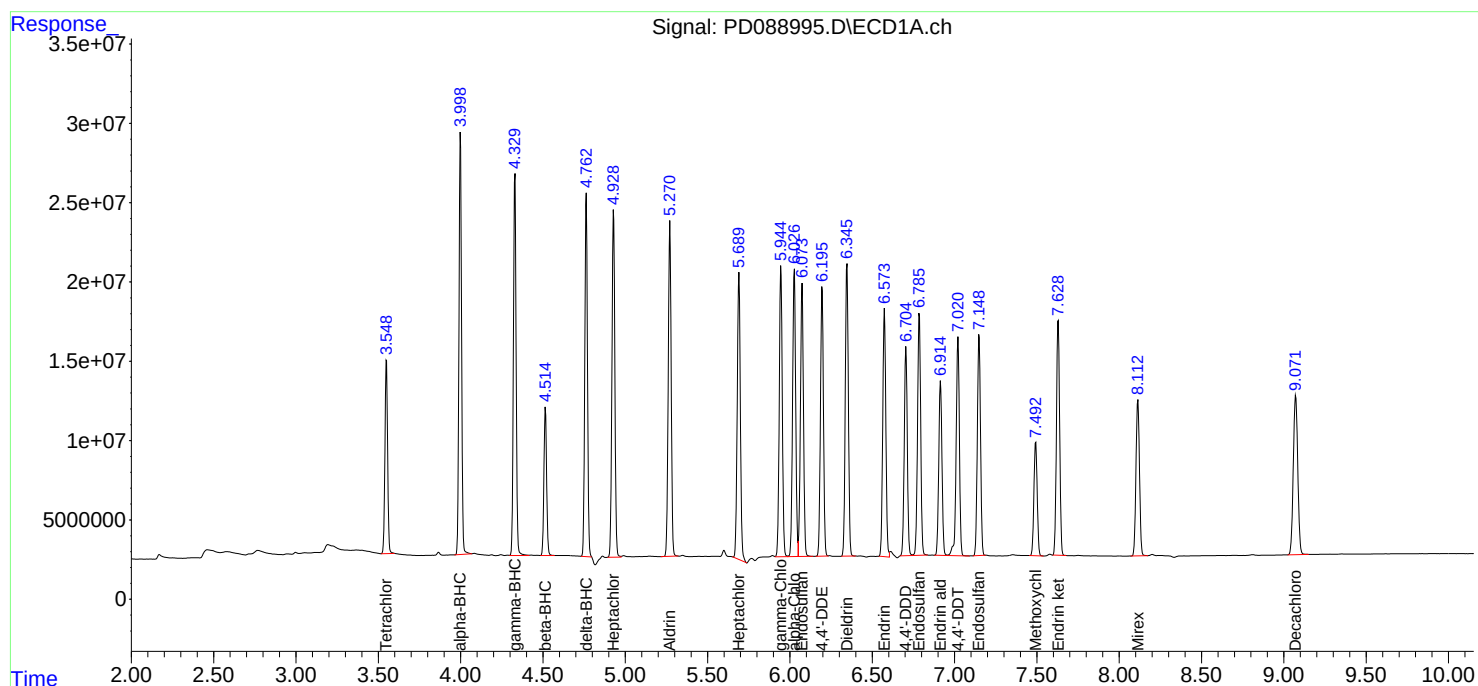
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
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: Jun 18 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD061825\
 Data File : PD088996.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 16:33
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:23:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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	2.881	68795424	418.3E6	24.860	26.178
28)	SA Decachlor...	9.072	8.072	97448897	485.7E6	25.827	26.355
Target Compounds							
2)	A alpha-BHC	3.999	3.393	135.4E6	653.8E6	23.056	25.294
3)	MA gamma-BHC...	4.330	3.729	130.5E6	605.5E6	23.451	25.496
4)	MA Heptachlor	4.929	4.083	127.9E6	617.9E6	23.870	25.830
5)	MB Aldrin	5.271	4.368	124.7E6	596.3E6	23.737	25.748
6)	B beta-BHC	4.515	4.025	53616740	265.6E6	25.082	26.044
7)	B delta-BHC	4.763	4.261	118.8E6	607.5E6	22.920	25.397
8)	B Heptachlo...	5.690	4.872	113.9E6	542.4E6	23.974	26.042
9)	A Endosulfan I	6.074	5.247	107.2E6	518.8E6	24.301	26.860
10)	B gamma-Chl...	5.945	5.125	112.7E6	587.3E6	23.901	26.082
11)	B alpha-Chl...	6.026	5.190	114.6E6	562.9E6	24.207	26.097
12)	B 4,4'-DDE	6.195	5.375	102.3E6	564.1E6	23.724	25.848
13)	MA Dieldrin	6.346	5.513	113.2E6	573.5E6	23.828	25.928
14)	MA Endrin	6.574	5.787	96953033	531.9E6	23.668	25.765m
15)	B Endosulfa...	6.786	6.080	95412213	500.1E6	23.841	26.199
16)	A 4,4'-DDD	6.704	5.929	80716755	470.1E6	23.642	25.845
17)	MA 4,4'-DDT	7.020	6.183	89516720	500.1E6	23.786	25.525
18)	B Endrin al...	6.914	6.258	74170726	379.9E6	25.022	26.419
19)	B Endosulfa...	7.148	6.481	91685883	485.2E6	24.504	26.239
20)	A Methoxychlor	7.492	6.753	49551931	270.8E6	25.134	26.394
21)	B Endrin ke...	7.629	6.990	97399015	538.4E6	24.320	26.331
22)	Mirex	8.113	7.184	74764205	414.2E6	25.753	26.583

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC025

Manual Integrations

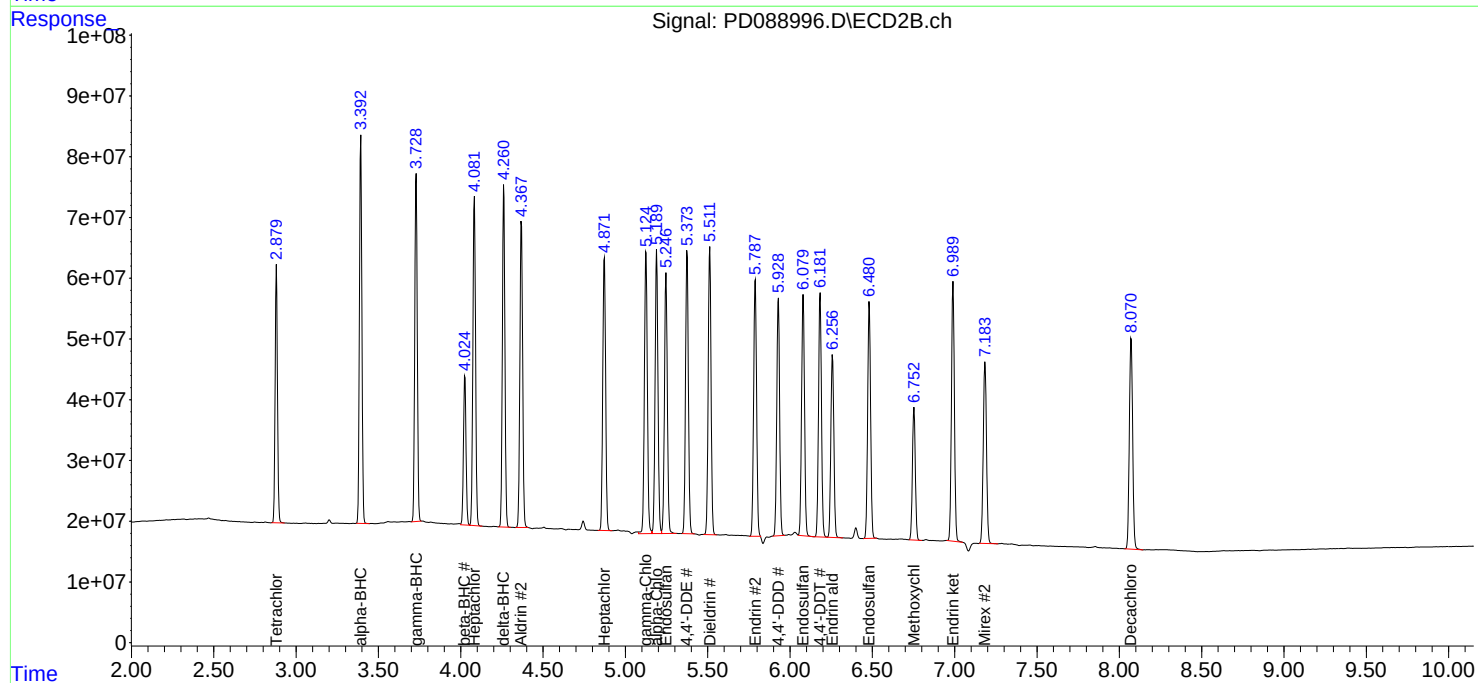
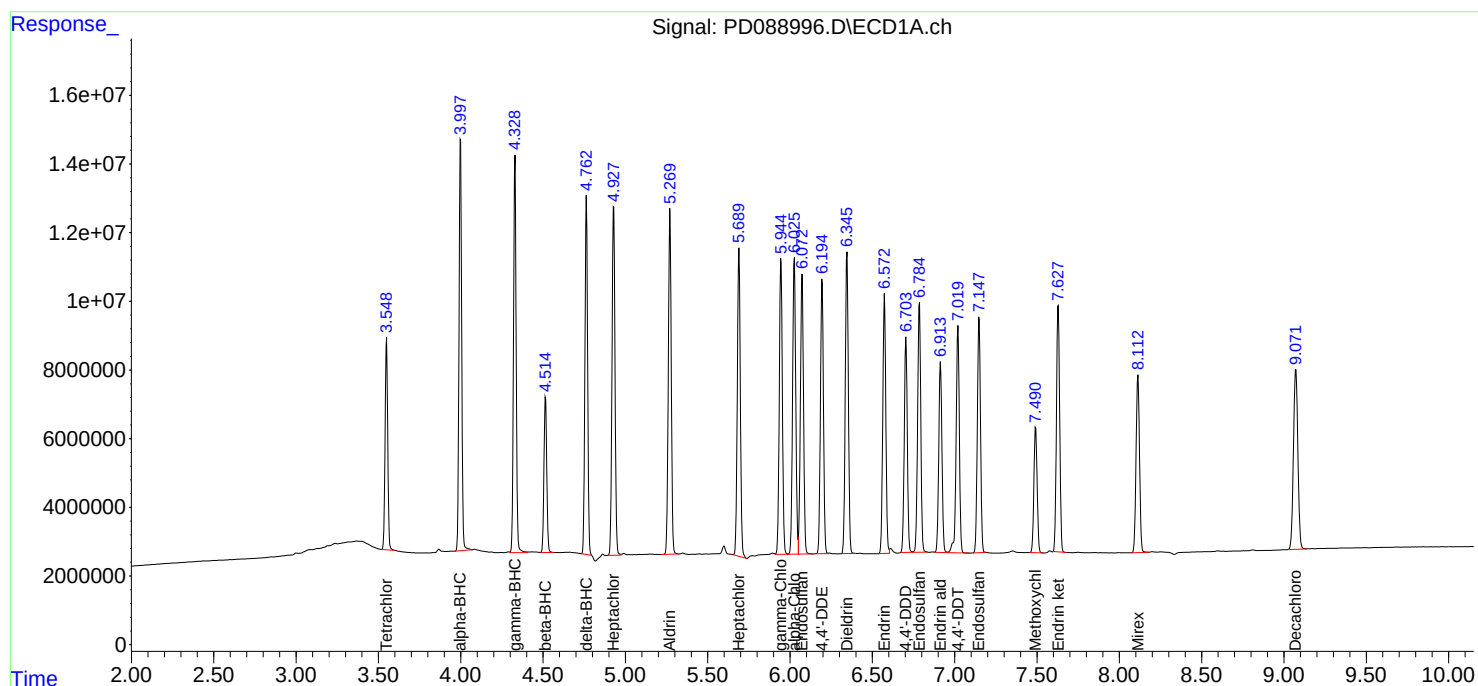
APPROVED

Reviewed By :Abdul Mirza 06/18/2025

Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD061825\
 Data File : PD088997.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 16:47
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:23:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:21:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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	2.880	15861136	101.6E6	5.732	6.356
2) SA Decachlor...	9.073	8.072	23699682	125.5E6	6.281	6.812
Target Compounds						
2) A alpha-BHC	3.999	3.393	27627643	154.5E6	4.703	5.976 #
3) MA gamma-BHC...	4.330	3.729	27664017	143.7E6	4.970	6.052
4) MA Heptachlor	4.929	4.083	28667725	149.5E6	5.350	6.249
5) MB Aldrin	5.270	4.368	27520008	143.0E6	5.237	6.176
6) B beta-BHC	4.515	4.025	12578663	65433774	5.884	6.416
7) B delta-BHC	4.763	4.262	24463430	145.0E6	4.721	6.063 #
8) B Heptachlo...	5.690	4.873	26734361	133.2E6	5.629	6.394
9) A Endosulfan I	6.074	5.247	24592339	128.9E6	5.573	6.671
10) B gamma-Chl...	5.946	5.126	25225085	146.7E6	5.349	6.516
11) B alpha-Chl...	6.026	5.190	26148512	140.3E6	5.523	6.504
12) B 4,4'-DDE	6.194	5.375	22175565	137.0E6	5.142	6.280
13) MA Dieldrin	6.346	5.512	24894050	139.6E6	5.241	6.311
14) MA Endrin	6.573	5.787	21528490	131.0E6	5.255	6.347m
15) B Endosulfa...	6.785	6.080	22765018	124.2E6	5.688	6.509
16) A 4,4'-DDD	6.704	5.929	17603896	115.0E6	5.156	6.321
17) MA 4,4'-DDT	7.020	6.183	19332472	115.4E6	5.137	5.889
18) B Endrin al...	6.914	6.259	17443585	96439397	5.885	6.707
19) B Endosulfa...	7.149	6.482	21359951	121.2E6	5.709	6.553
20) A Methoxychlor	7.493	6.754	11522878	65700483	5.845	6.404
21) B Endrin ke...	7.630	6.990	22217957	133.1E6	5.548	6.508m
22) Mirex	8.113	7.185	18484356	106.1E6	6.367	6.807

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

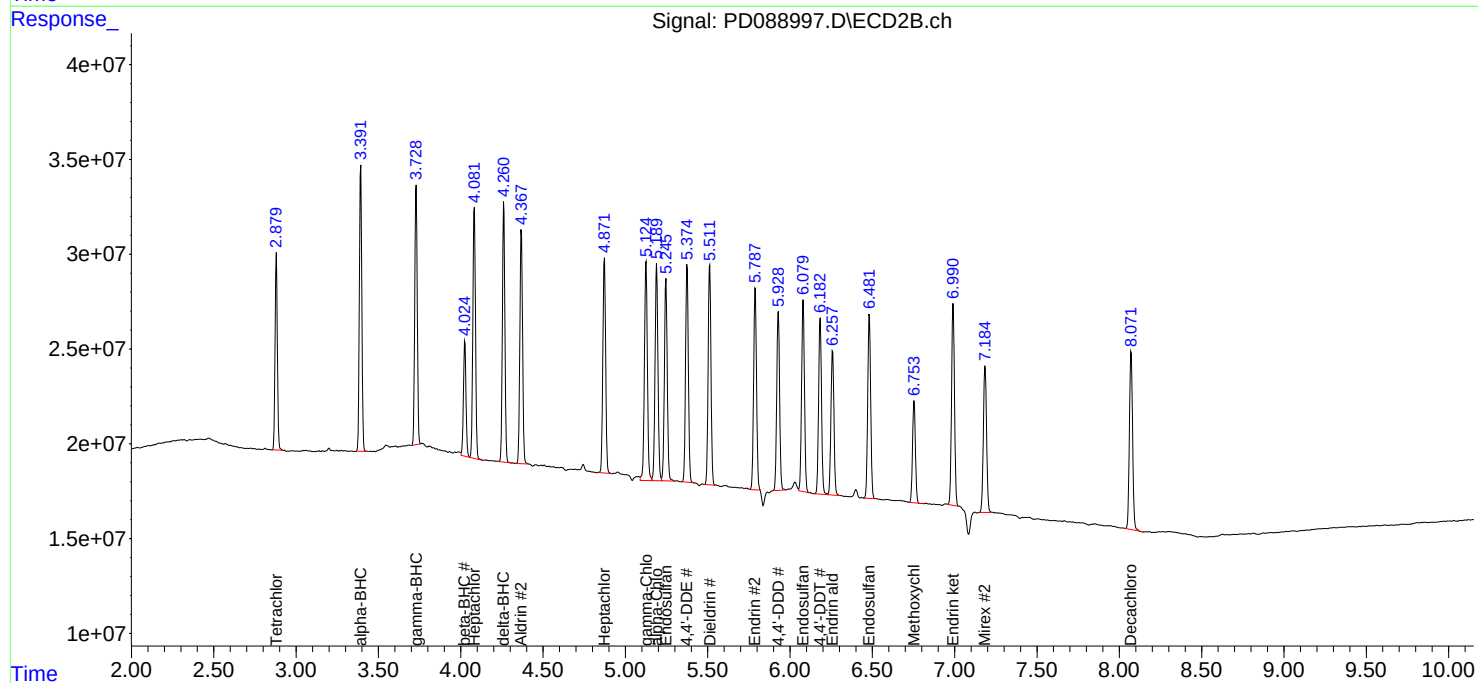
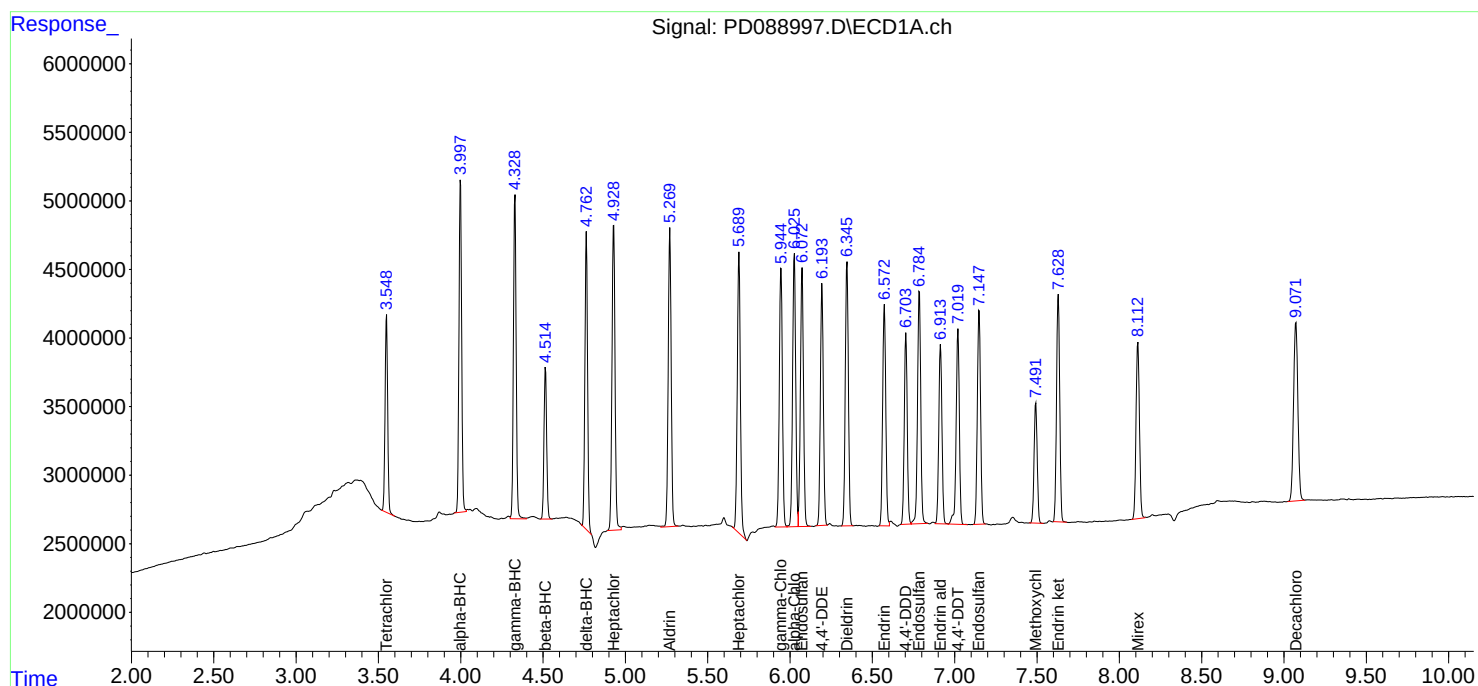
APPROVED

Reviewed By :Abdul Mirza 06/18/2025

Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD061825\
 Data File : PD089000.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 17:28
 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: Jun 18 04:59:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 04:57:57 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	127.0E6	1003.3E6	50.000	50.000
28)	SA Decachlor...	9.072	8.072	175.3E6	940.3E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.715	3.905	103.3E6	448.7E6	500.000	500.000
24)	Chlordane-2	5.241	4.487	103.7E6	451.9E6	500.000	500.000
25)	Chlordane-3	5.946	5.126	425.8E6	1413.2E6	500.000	500.000
26)	Chlordane-4	6.032	5.190	511.2E6	1191.6E6	500.000	500.000
27)	Chlordane-5	6.870	6.090	88549137	546.3E6	500.000	500.000

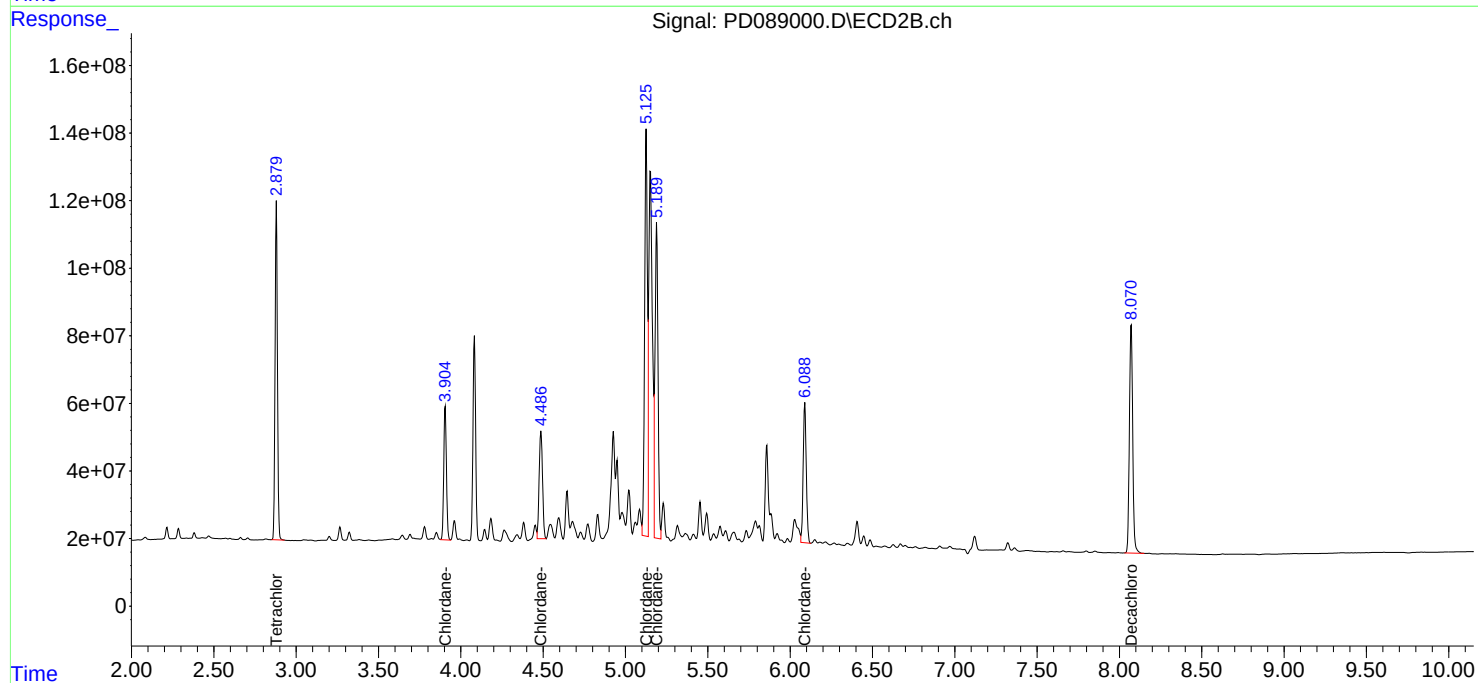
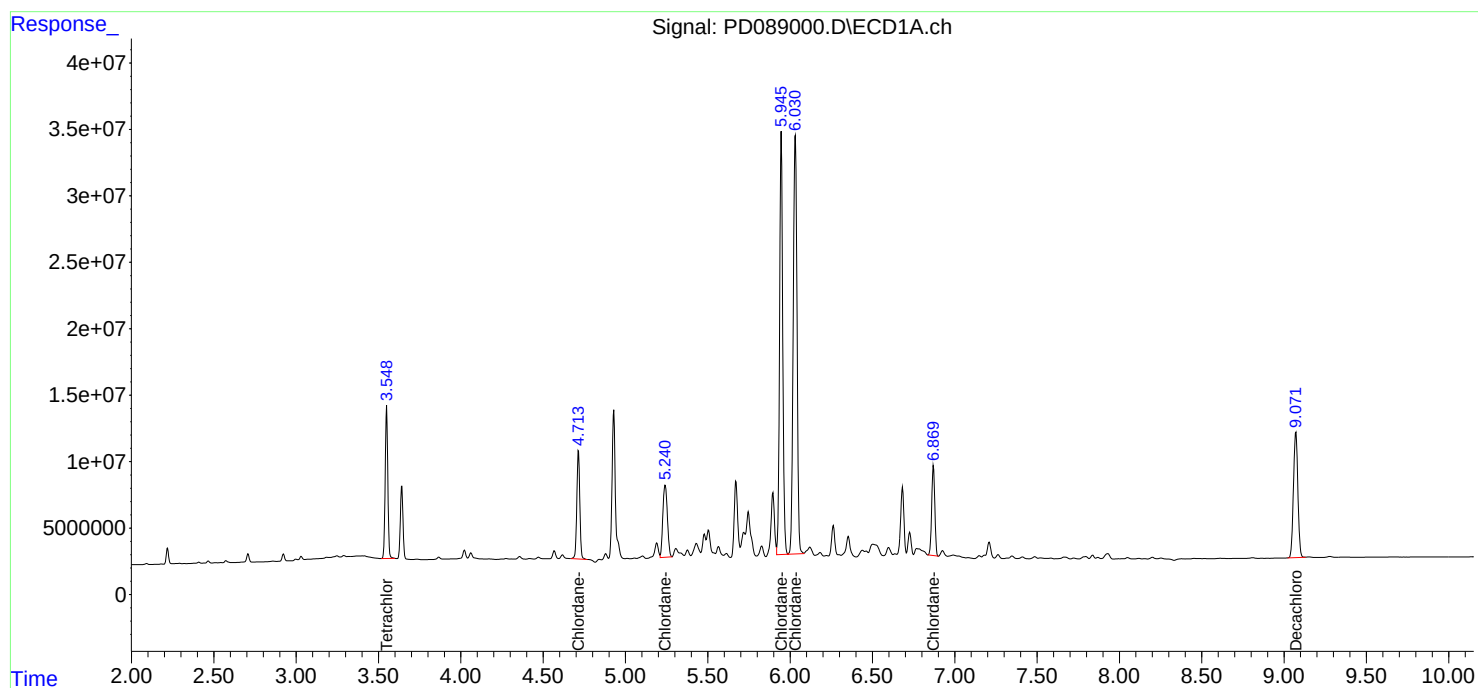
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
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: Jun 18 04:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:57:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD089005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 18:36
 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: Jun 18 04:30:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 04:29:28 2025
 Response via : Initial 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

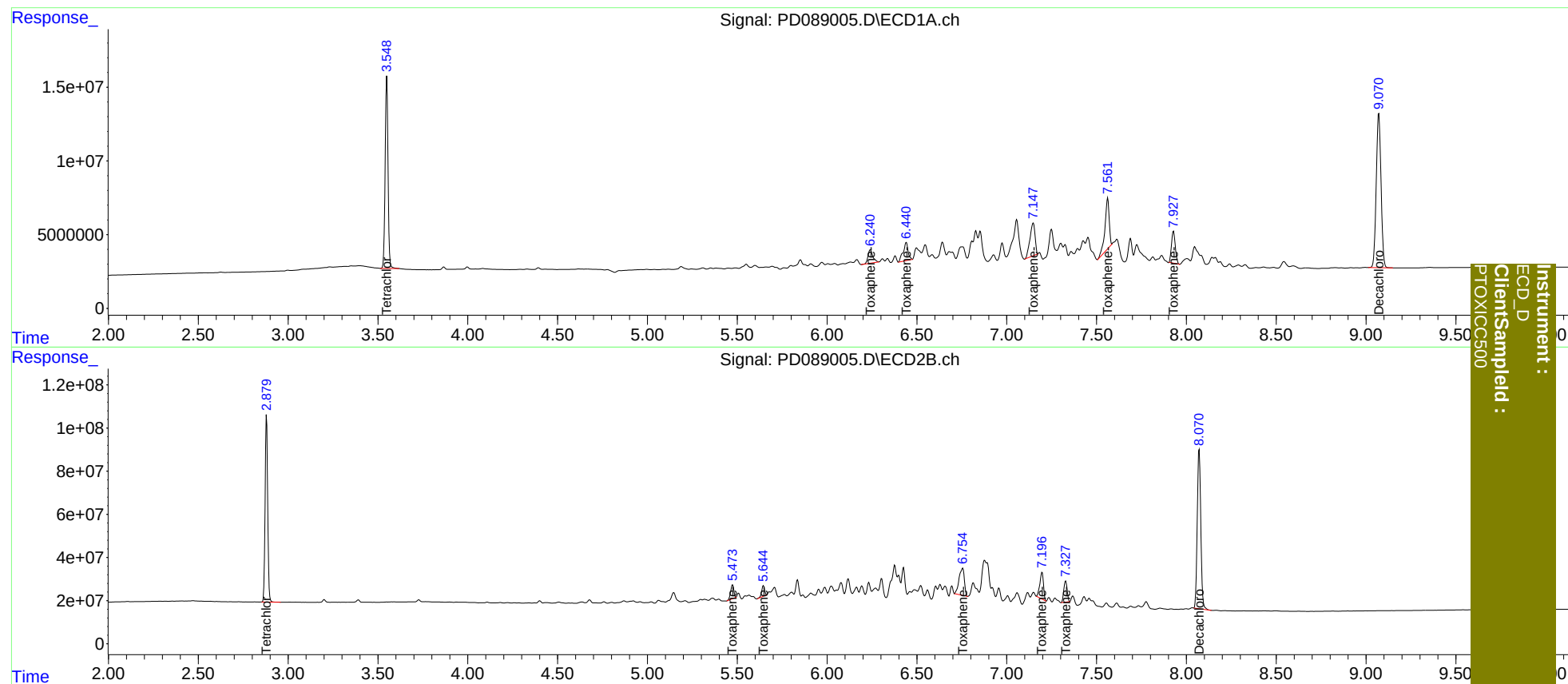
System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	143.6E6	868.2E6	50.000	50.000
7) SA Decachlor...	9.071	8.071	194.1E6	1009.6E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.241	5.474	16800895	79079940	500.000	500.000
3) Toxaphene-2	6.441	5.646	23764296	54409973	500.000	500.000
4) Toxaphene-3	7.148	6.755	43646368	255.9E6	500.000	500.000
5) Toxaphene-4	7.562	7.197	55678343	175.1E6	500.000	500.000
6) Toxaphene-5	7.928	7.328	31556310	127.0E6	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\PD061825\
Data File : PD089005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 18:36
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: Jun 18 04:30:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:29:28 2025
Response via : Initial 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\PD061825\
 Data File : PD089008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 19:17
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICPD061825

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:46:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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	2.880	139.5E6	848.9E6	48.909	50.072
28)	SA Decachlor...	9.072	8.073	188.5E6	996.5E6	47.986	50.403
Target Compounds							
2)	A alpha-BHC	3.999	3.393	295.8E6	1350.4E6	50.737	50.394
3)	MA gamma-BHC...	4.330	3.729	280.5E6	1249.3E6	50.254	50.462
4)	MA Heptachlor	4.929	4.082	270.9E6	1252.2E6	49.682	50.010
5)	MB Aldrin	5.271	4.368	265.0E6	1218.5E6	49.876	50.317
6)	B beta-BHC	4.515	4.025	107.7E6	537.8E6	48.800	50.043
7)	B delta-BHC	4.764	4.262	261.5E6	1252.0E6	50.946	50.333
8)	B Heptachlo...	5.691	4.872	235.4E6	1093.7E6	48.806	49.946
9)	A Endosulfan I	6.075	5.247	222.0E6	1045.8E6	49.252	50.175
10)	B gamma-Chl...	5.946	5.126	237.3E6	1184.2E6	49.570	49.500
11)	B alpha-Chl...	6.027	5.190	238.3E6	1135.5E6	49.257	49.590
12)	B 4,4'-DDE	6.195	5.375	217.6E6	1145.1E6	49.901	49.970
13)	MA Dieldrin	6.347	5.513	238.9E6	1159.0E6	49.793	49.940
14)	MA Endrin	6.574	5.790	203.1E6	1100.0E6	49.223	50.657
15)	B Endosulfa...	6.786	6.081	195.6E6	1002.6E6	48.453	49.643
16)	A 4,4'-DDD	6.705	5.930	170.0E6	955.9E6	49.526	49.972
17)	MA 4,4'-DDT	7.021	6.184	188.0E6	1027.1E6	49.627	50.650
18)	B Endrin al...	6.915	6.259	149.8E6	759.8E6	48.894	49.621
19)	B Endosulfa...	7.149	6.483	187.3E6	976.2E6	48.824	49.755
20)	A Methoxychlor	7.493	6.755	98271542	536.8E6	48.634	49.853
21)	B Endrin ke...	7.630	6.992	200.8E6	1076.8E6	49.300	49.848
22)	Mirex	8.114	7.186	147.3E6	825.2E6	48.452	49.481

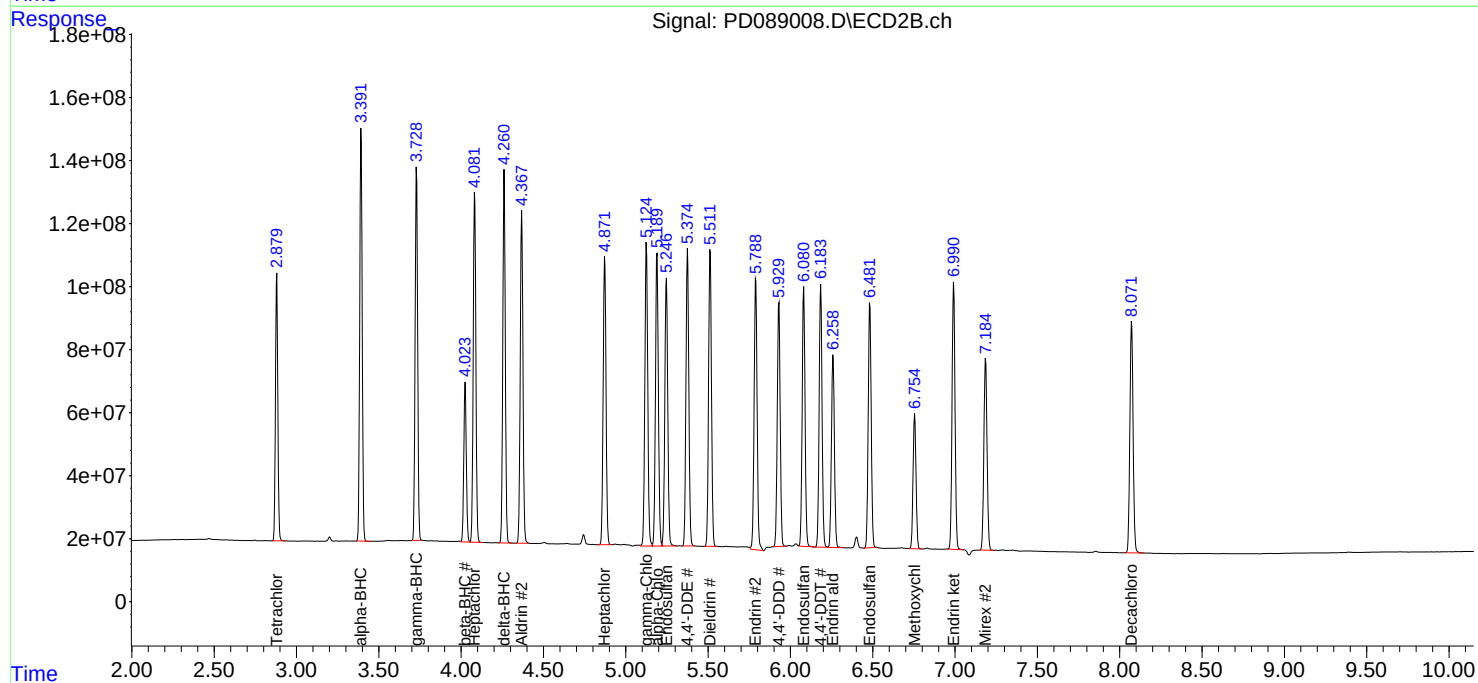
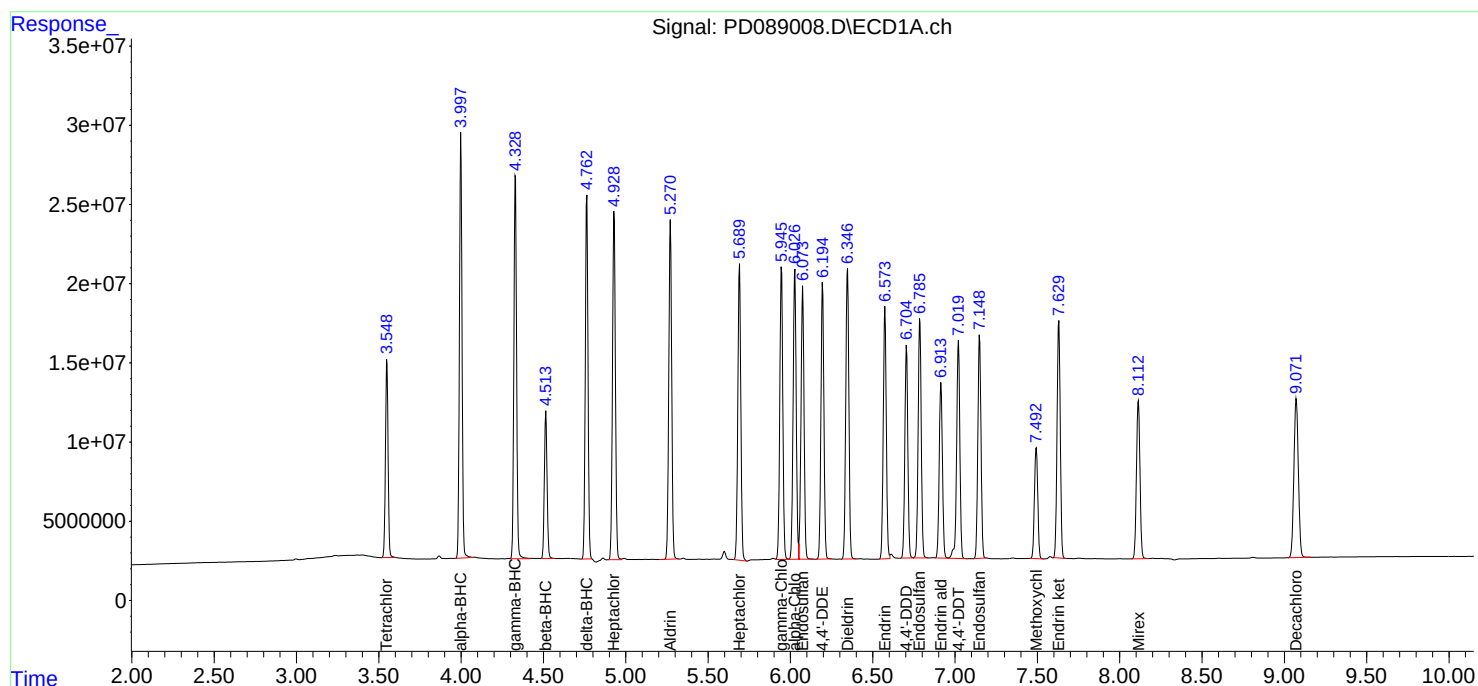
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD061825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD061825\
 Data File : PD089009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 19:31
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD061825CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:06:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:05:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	127.5E6	1002.8E6	48.435	48.165
28)	SA Decachlor...	9.072	8.072	176.1E6	945.9E6	47.752	47.396
Target Compounds							
23)	Chlordane-1	4.714	3.905	104.1E6	451.3E6	486.162	484.057
24)	Chlordane-2	5.241	4.487	104.8E6	451.6E6	480.042	474.511
25)	Chlordane-3	5.946	5.125	422.4E6	1412.7E6	489.742	475.621
26)	Chlordane-4	6.031	5.189	512.9E6	1195.8E6	488.156	477.027
27)	Chlordane-5	6.870	6.089	88790524	548.7E6	485.833	484.867

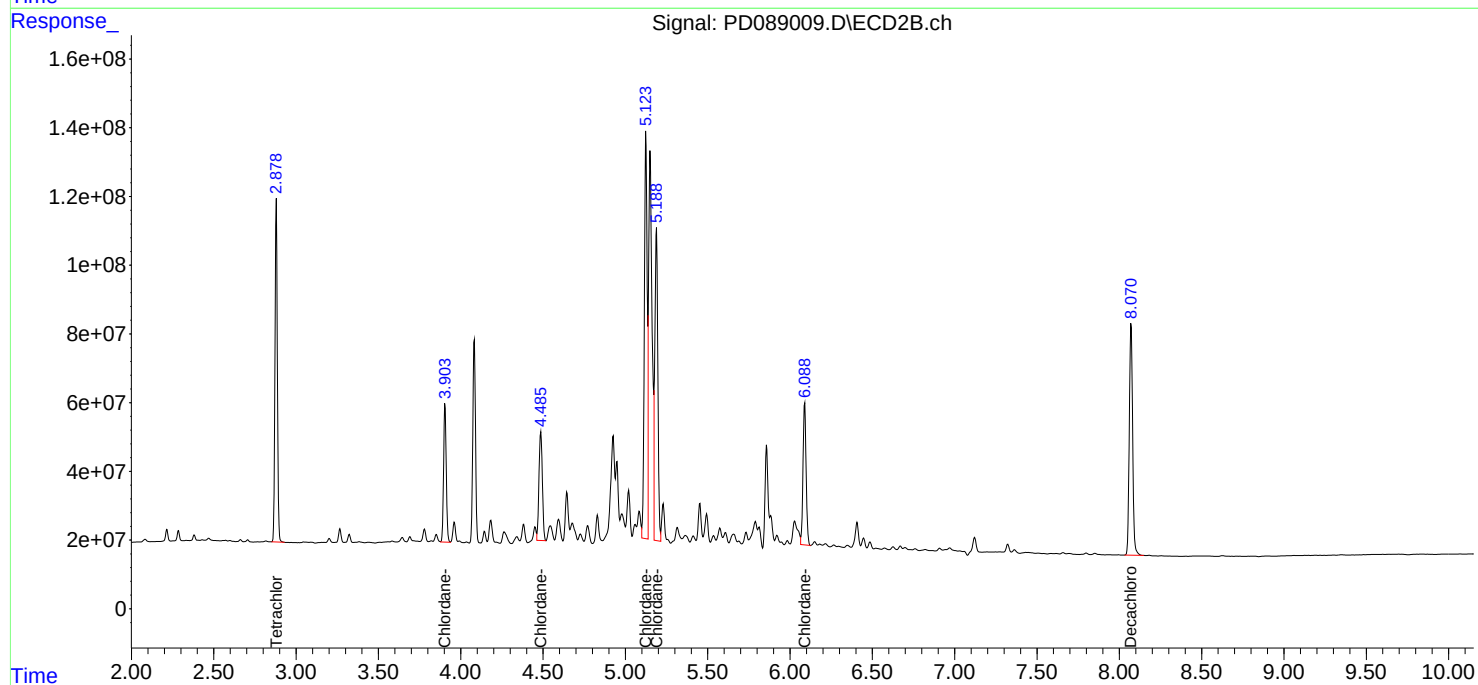
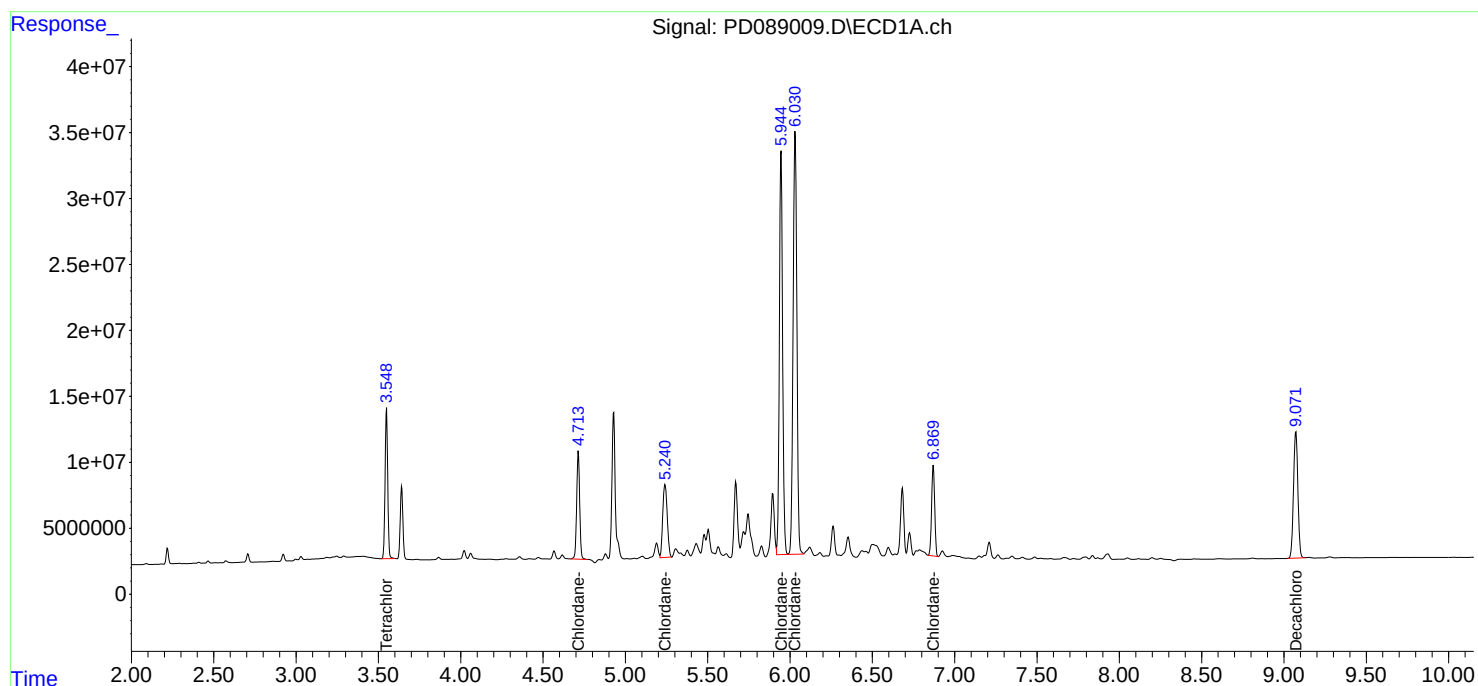
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:31
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD061825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:06:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:05:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD089010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 19:44
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD061825TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 04:37:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 04:35:42 2025
 Response via : Initial 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

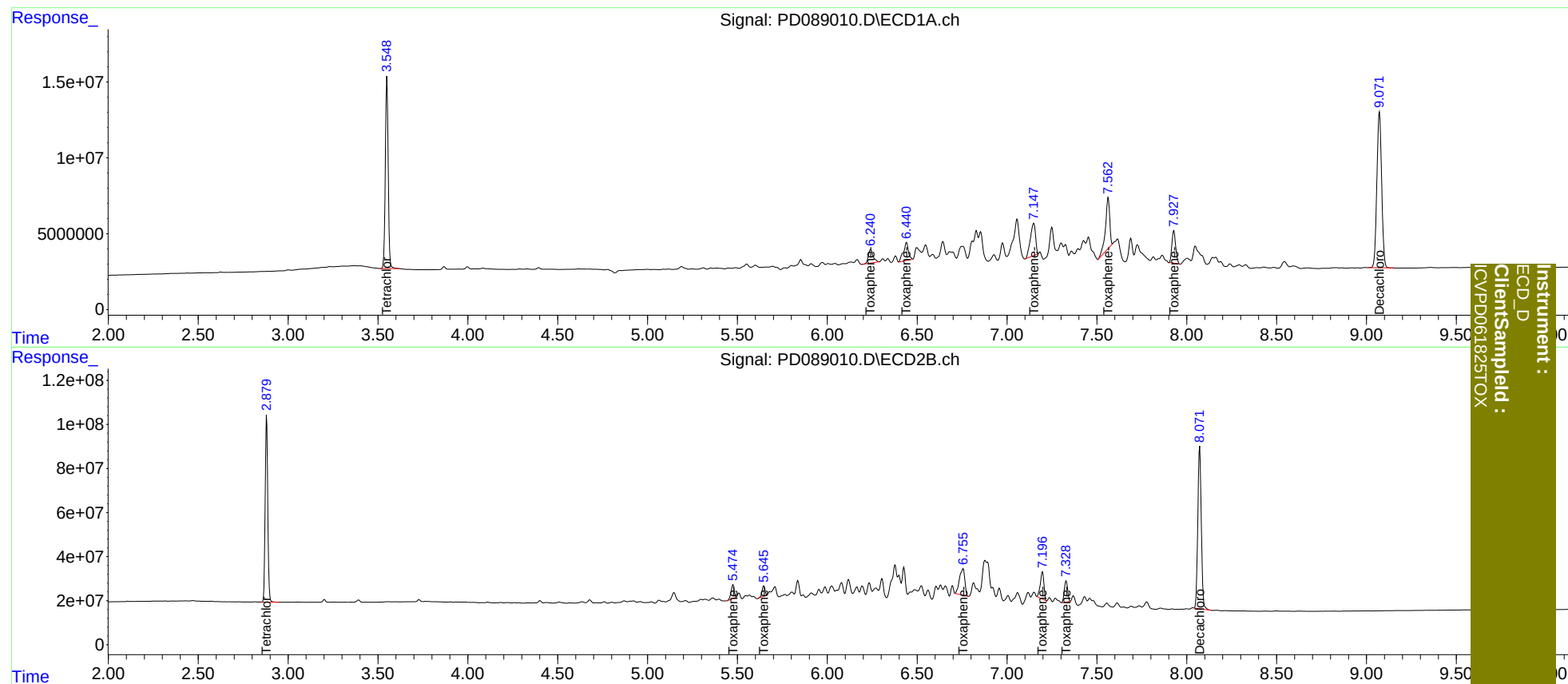
System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	140.5E6	849.8E6	49.126	48.618
7) SA Decachlor...	9.072	8.072	190.0E6	991.7E6	48.552	48.009
Target Compounds						
2) Toxaphene-1	6.241	5.475	16556024	76482668	496.105	468.012
3) Toxaphene-2	6.441	5.647	23088671	52728004	503.218	488.483
4) Toxaphene-3	7.149	6.756	42578482	247.9E6	493.980	497.712
5) Toxaphene-4	7.563	7.198	54552672	171.5E6	492.551	493.627
6) Toxaphene-5	7.928	7.329	31161300	123.5E6	501.825	508.354

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:44
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: Jun 18 04:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:35:42 2025
Response via : Initial 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

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Continuing Calib Date: 07/01/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 16:50 Initial Calibration Time(s): 15:52 16:47

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	6.58	6.48	6.68	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Continuing Calib Date: 07/01/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 16:50 Initial Calibration Time(s): 15:52 16:47

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	6.76	6.66	6.86	0.01



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CALIBRATION VERIFICATION SUMMARY

 Contract: COPP02

 Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

 GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

 Client Sample No.: CCAL01 Date Analyzed: 07/01/2025

 Lab Sample No.: PSTDCCC050 Data File : PD089277.D Time Analyzed: 16:50

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.972	9.172	48.690	50.000	-2.6
Endrin	6.574	6.475	6.675	47.220	50.000	-5.6
gamma-BHC (Lindane)	4.331	4.230	4.430	51.800	50.000	3.6
Heptachlor	4.930	4.829	5.029	50.200	50.000	0.4
Heptachlor epoxide	5.691	5.591	5.791	49.950	50.000	-0.1
Methoxychlor	7.493	7.393	7.593	50.180	50.000	0.4
Tetrachloro-m-xylene	3.550	3.450	3.650	51.880	50.000	3.8



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CALIBRATION VERIFICATION SUMMARY

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL01 Date Analyzed: 07/01/2025

Lab Sample No.: PSTDCCC050 Data File : PD089277.D Time Analyzed: 16:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.072	7.972	8.172	47.700	50.000	-4.6
Endrin	5.789	5.689	5.889	50.440	50.000	0.9
gamma-BHC (Lindane)	3.728	3.630	3.830	51.080	50.000	2.2
Heptachlor	4.083	3.983	4.183	49.000	50.000	-2.0
Heptachlor epoxide	4.871	4.773	4.973	50.730	50.000	1.5
Methoxychlor	6.754	6.655	6.855	51.030	50.000	2.1
Tetrachloro-m-xylene	2.881	2.780	2.980	53.140	50.000	6.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089277.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 16:50
 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: Jul 02 01:48:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.550	2.881	148.0E6	901.0E6	51.883	53.144
2)	SA Decachlor...	9.073	8.072	191.2E6	943.0E6	48.693	47.701
Target Compounds							
2)	A alpha-BHC	4.000	3.394	304.7E6	1380.2E6	52.275	51.505
3)	MA gamma-BHC...	4.331	3.728	289.1E6	1264.7E6	51.802	51.083m
4)	MA Heptachlor	4.930	4.083	273.7E6	1226.8E6	50.196	48.995
5)	MB Aldrin	5.272	4.369	274.6E6	1238.1E6	51.685	51.126
6)	B beta-BHC	4.516	4.026	110.1E6	531.8E6	49.903	49.491
7)	B delta-BHC	4.765	4.263	277.1E6	1259.5E6	53.989	50.637
8)	B Heptachlo...	5.691	4.871	241.0E6	1111.0E6	49.950	50.733m
9)	A Endosulfan I	6.075	5.245	228.0E6	1038.3E6	50.576	49.818m
10)	B gamma-Chl...	5.947	5.124	244.0E6	1182.2E6	50.961	49.416m
11)	B alpha-Chl...	6.028	5.189	243.1E6	1139.0E6	50.237	49.746m
12)	B 4,4'-DDE	6.196	5.375	214.7E6	1151.6E6	49.239	50.252
13)	MA Dieldrin	6.348	5.511	240.8E6	1162.8E6	50.194	50.101m
14)	MA Endrin	6.574	5.789	194.8E6	1095.3E6	47.216	50.441
15)	B Endosulfa...	6.787	6.080	199.6E6	994.4E6	49.447	49.234
16)	A 4,4'-DDD	6.706	5.930	177.8E6	919.2E6	51.810	48.050
17)	MA 4,4'-DDT	7.021	6.183	167.3E6	894.8E6	44.174	44.124
18)	B Endrin al...	6.916	6.258	148.1E6	730.8E6	48.353	47.728
19)	B Endosulfa...	7.150	6.482	185.4E6	953.6E6	48.310	48.600
20)	A Methoxychlor	7.493	6.754	101.4E6	549.5E6	50.180	51.028
21)	B Endrin ke...	7.630	6.991	200.1E6	1063.0E6	49.127	49.211
22)	Mirex	8.114	7.184	144.8E6	791.1E6	47.644	47.430

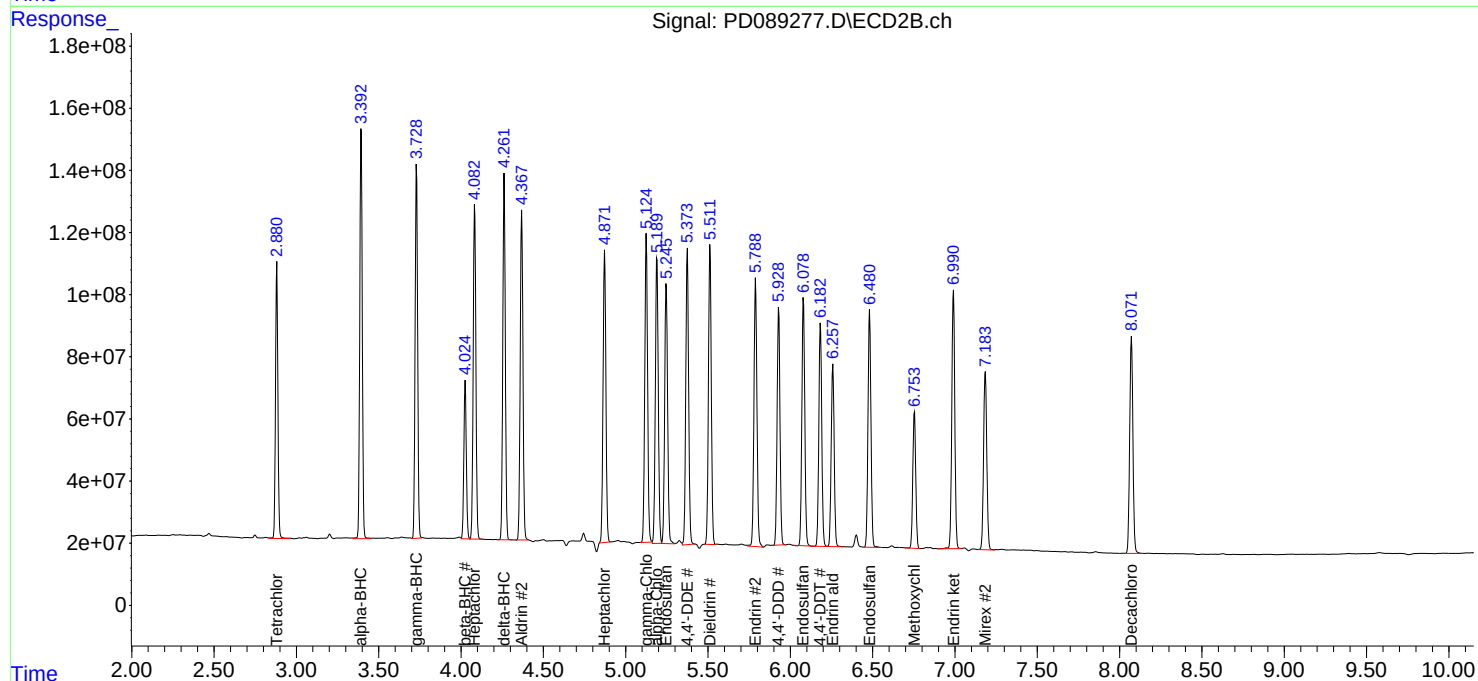
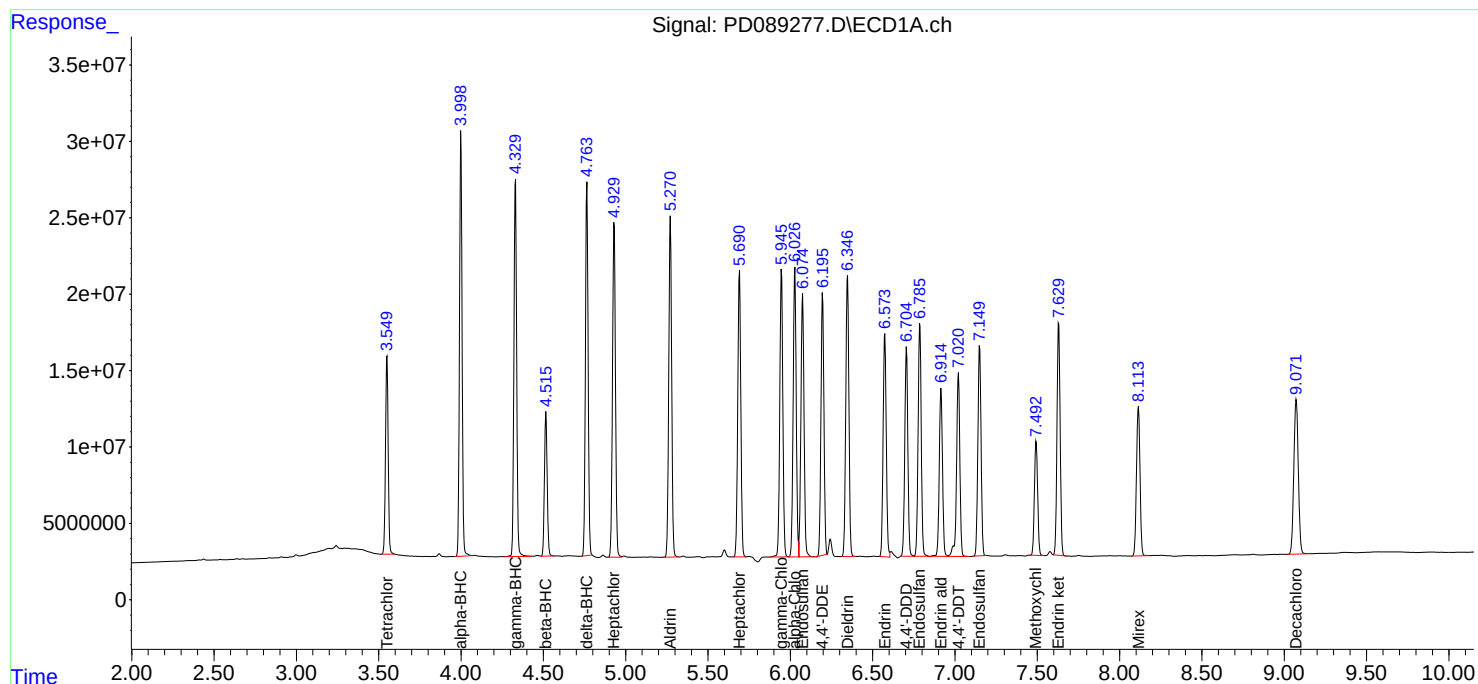
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 16:50
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: Jul 02 01:48:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Continuing Calib Date: 07/01/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 19:34 Initial Calibration Time(s): 15:52 16:47

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	6.58	6.58	6.48	6.68	0.01
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Continuing Calib Date: 07/01/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 19:34 Initial Calibration Time(s): 15:52 16:47

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	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL02 Date Analyzed: 07/01/2025

Lab Sample No.: PSTDCCC050 Data File : PD089289.D Time Analyzed: 19:34

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.072	8.972	9.172	46.970	50.000	-6.1
Endrin	6.575	6.475	6.675	46.290	50.000	-7.4
gamma-BHC (Lindane)	4.331	4.230	4.430	51.280	50.000	2.6
Heptachlor	4.930	4.829	5.029	49.310	50.000	-1.4
Heptachlor epoxide	5.692	5.591	5.791	48.920	50.000	-2.2
Methoxychlor	7.493	7.393	7.593	48.080	50.000	-3.8
Tetrachloro-m-xylene	3.550	3.450	3.650	51.730	50.000	3.5



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CALIBRATION VERIFICATION SUMMARY

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL02 Date Analyzed: 07/01/2025

Lab Sample No.: PSTDCCC050 Data File : PD089289.D Time Analyzed: 19:34

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.972	8.172	44.010	50.000	-12.0
Endrin	5.789	5.689	5.889	48.800	50.000	-2.4
gamma-BHC (Lindane)	3.730	3.630	3.830	49.230	50.000	-1.5
Heptachlor	4.083	3.983	4.183	47.790	50.000	-4.4
Heptachlor epoxide	4.871	4.773	4.973	49.490	50.000	-1.0
Methoxychlor	6.753	6.655	6.855	48.100	50.000	-3.8
Tetrachloro-m-xylene	2.881	2.780	2.980	52.340	50.000	4.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089289.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 19:34
 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: Jul 02 01:50:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.550	2.881	147.6E6	887.4E6	51.727	52.342
28)	SA Decachlor...	9.072	8.072	184.5E6	870.1E6	46.969	44.012
Target Compounds							
2)	A alpha-BHC	3.999	3.393	302.8E6	1363.9E6	51.945	50.897
3)	MA gamma-BHC...	4.331	3.730	286.3E6	1218.8E6	51.284	49.229
4)	MA Heptachlor	4.930	4.083	268.8E6	1196.6E6	49.306	47.792
5)	MB Aldrin	5.271	4.369	270.8E6	1207.8E6	50.962	49.874
6)	B beta-BHC	4.516	4.026	108.9E6	524.2E6	49.361	48.777
7)	B delta-BHC	4.764	4.262	274.4E6	1229.9E6	53.464	49.447
8)	B Heptachlo...	5.692	4.871	236.0E6	1083.7E6	48.922	49.488m
9)	A Endosulfan I	6.075	5.247	223.4E6	1042.5E6	49.554	50.018
10)	B gamma-Chl...	5.946	5.124	239.4E6	1158.0E6	49.988	48.405m
11)	B alpha-Chl...	6.027	5.190	238.4E6	1146.7E6	49.274	50.080
12)	B 4,4'-DDE	6.196	5.375	209.5E6	1118.1E6	48.037	48.792
13)	MA Dieldrin	6.347	5.511	236.1E6	1127.4E6	49.220	48.577m
14)	MA Endrin	6.575	5.789	191.0E6	1059.5E6	46.291	48.795
15)	B Endosulfa...	6.786	6.080	192.8E6	954.4E6	47.772	47.253
16)	A 4,4'-DDD	6.705	5.930	173.0E6	889.3E6	50.409	46.487
17)	MA 4,4'-DDT	7.021	6.183	159.5E6	847.5E6	42.105	41.791
18)	B Endrin al...	6.915	6.259	144.7E6	698.9E6	47.211	45.644
19)	B Endosulfa...	7.149	6.482	178.6E6	908.8E6	46.536	46.315
20)	A Methoxychlor	7.493	6.753	97144839	518.0E6	48.077	48.105
21)	B Endrin ke...	7.630	6.991	194.2E6	1005.1E6	47.688	46.528
22)	Mirex	8.113	7.185	137.8E6	767.5E6	45.326	46.019

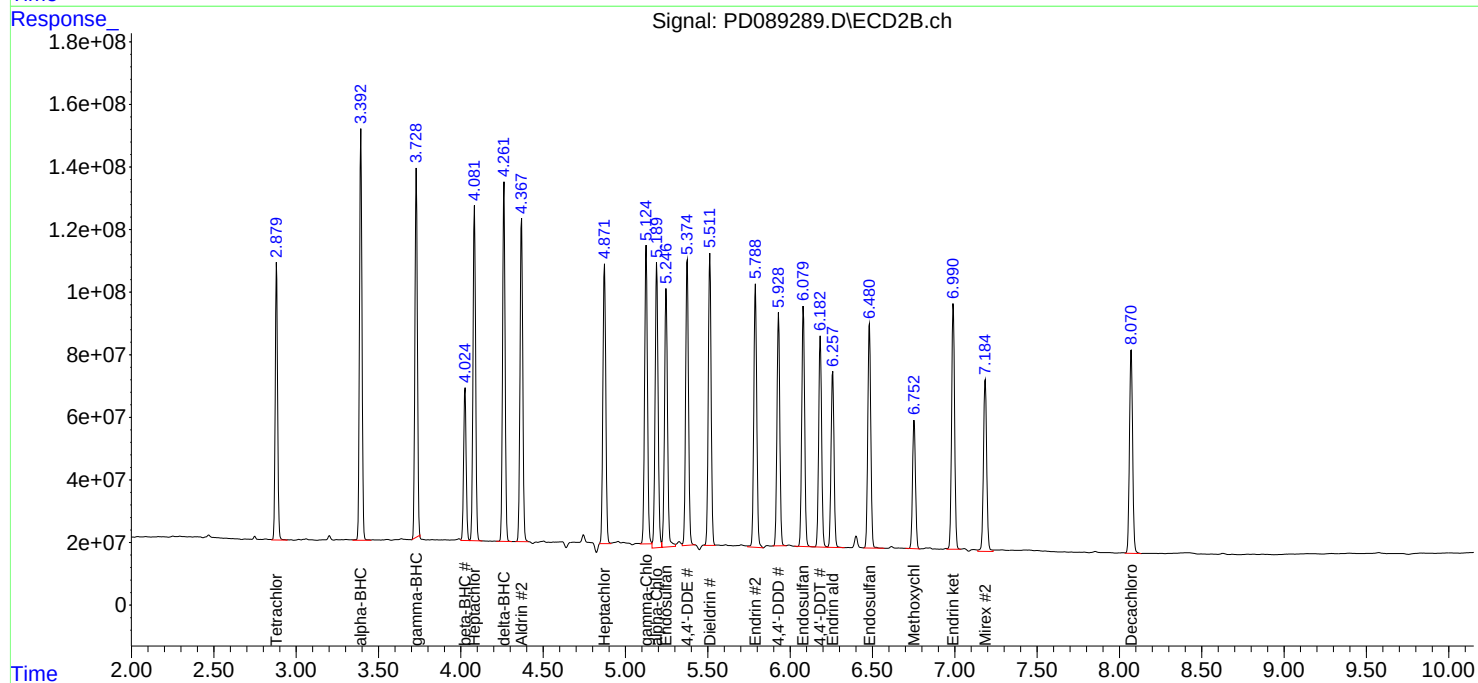
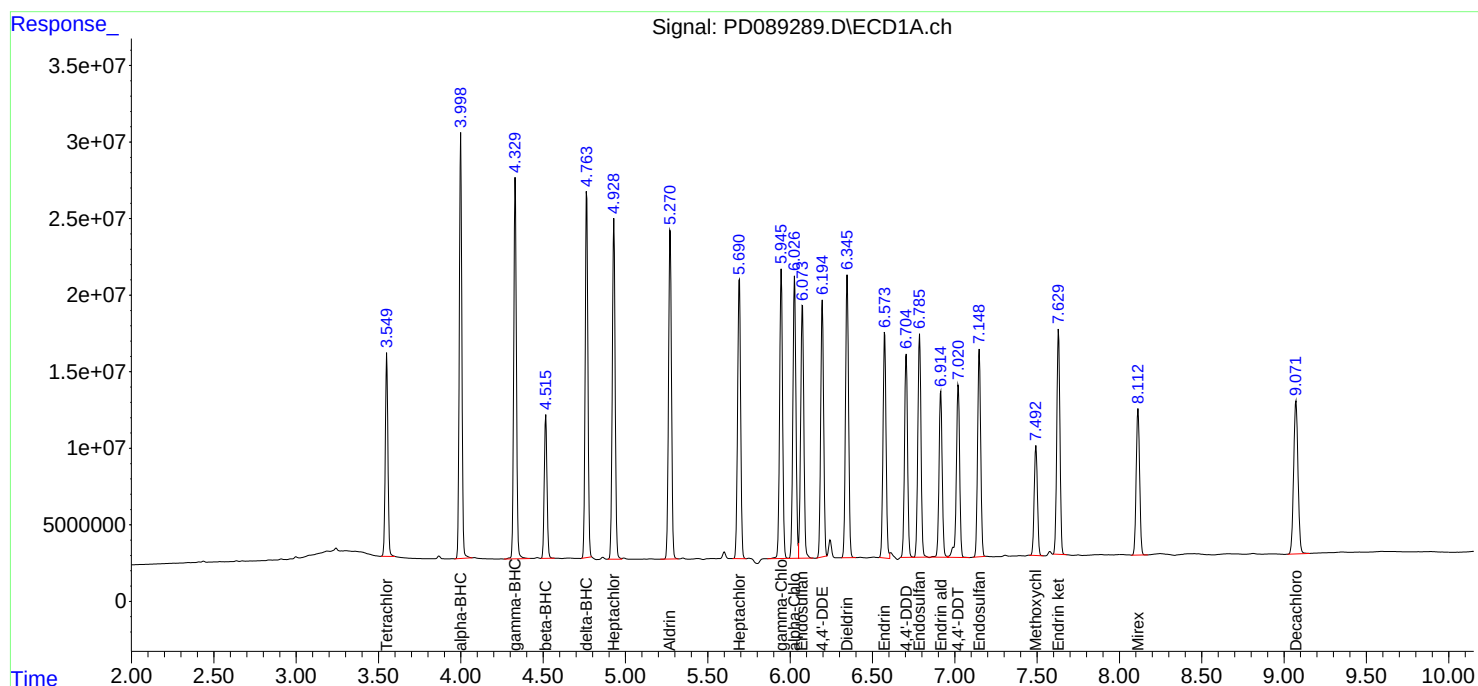
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 19:34
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: Jul 02 01:50:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D Date Analyzed: 06/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 15:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.071	8.970	9.170	21.440	20.000	7.2
Tetrachloro-m-xylene	3.550	3.500	3.600	19.860	20.000	-0.7
alpha-BHC	3.999	3.950	4.050	8.970	10.000	-10.3
beta-BHC	4.514	4.460	4.560	9.720	10.000	-2.8
gamma-BHC (Lindane)	4.330	4.280	4.380	9.320	10.000	-6.8
Endrin	6.574	6.500	6.640	50.260	50.000	0.5
4,4'-DDT	7.020	6.950	7.090	100.820	100.000	0.8
Methoxychlor	7.493	7.420	7.560	229.880	250.000	-8.0

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D Date Analyzed: 06/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 15:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.072	7.970	8.170	21.290	20.000	6.5
Tetrachloro-m-xylene	2.880	2.830	2.930	20.440	20.000	2.2
alpha-BHC	3.393	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.025	3.970	4.080	10.750	10.000	7.5
gamma-BHC (Lindane)	3.729	3.680	3.780	10.580	10.000	5.8
Endrin	5.789	5.720	5.860	50.490	50.000	1.0
4,4'-DDT	6.183	6.110	6.250	96.080	100.000	-3.9
Methoxychlor	6.754	6.680	6.820	198.860	250.000	-20.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
 Data File : PD088991.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 15:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 05:45:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.550	2.880	56676201	346.6E6	19.865	20.443
28)	SA Decachlor...	9.071	8.072	84217746	421.0E6	21.442	21.293
Target Compounds							
2)	A alpha-BHC	3.999	3.393	52304160	283.3E6	8.973	10.573
3)	MA gamma-BHC...	4.330	3.729	52036875	261.9E6	9.323	10.578
6)	B beta-BHC	4.514	4.025	21456971	115.6E6	9.722m	10.754
14)	MA Endrin	6.574	5.789	207.3E6	1096.4E6	50.256	50.492
16)	A 4,4'-DDD	6.701	5.931	603821	5602244	0.176m	0.293m#
17)	MA 4,4'-DDT	7.020	6.183	381.9E6	1948.4E6	100.821	96.080
18)	B Endrin al...	6.918	6.256	451112	9421924	0.147m	0.615m#
20)	A Methoxychlor	7.493	6.754	464.5E6	2141.4E6	229.876	198.863
21)	B Endrin ke...	7.627	6.989	1470511	10658868	0.361m	0.493m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

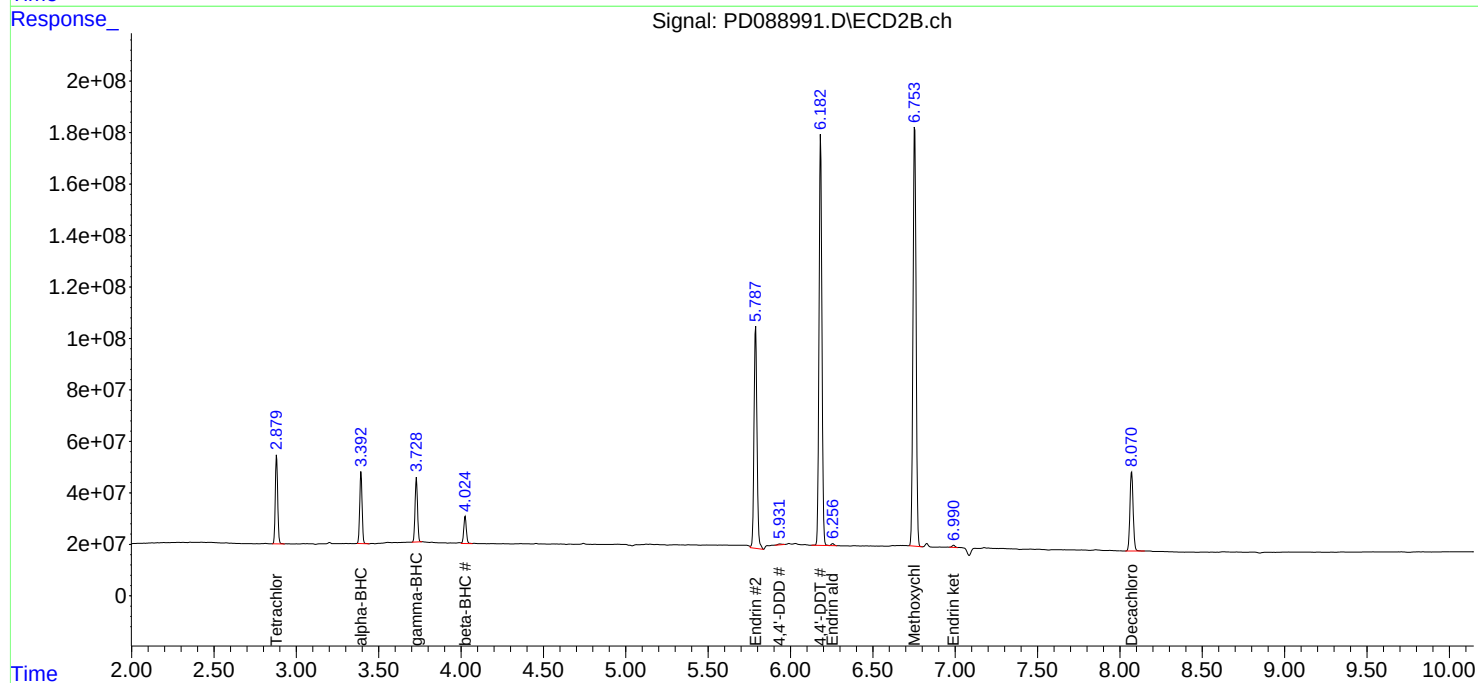
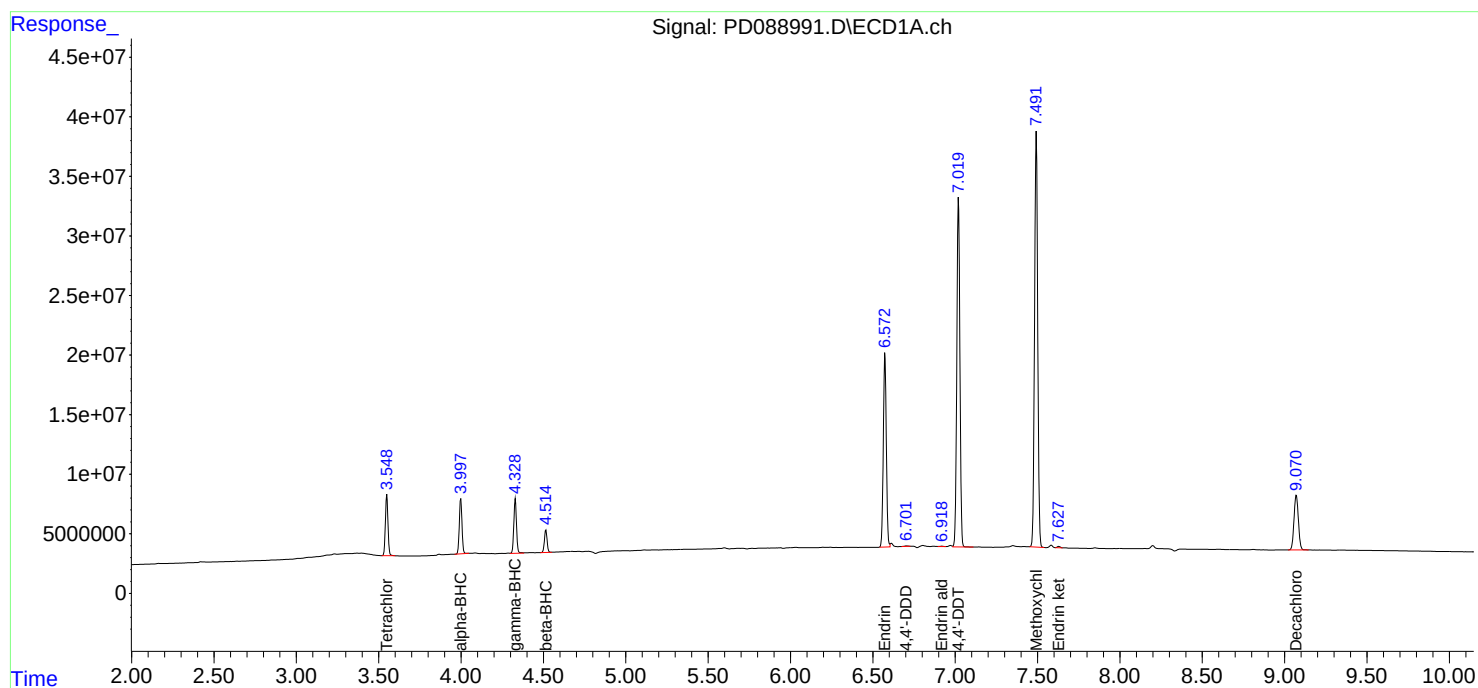
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/18/2025
Supervised By : mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial 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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089265.D Date Analyzed: 07/01/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:13

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.074	8.970	9.170	19.270	20.000	-3.7
Tetrachloro-m-xylene	3.550	3.500	3.600	18.530	20.000	-7.4
alpha-BHC	4.000	3.950	4.050	8.560	10.000	-14.4
beta-BHC	4.516	4.470	4.570	9.530	10.000	-4.7
gamma-BHC (Lindane)	4.329	4.280	4.380	8.840	10.000	-11.6
Endrin	6.573	6.500	6.640	43.050	50.000	-13.9
4,4'-DDT	7.022	6.950	7.090	78.670	100.000	-21.3
Methoxychlor	7.493	7.420	7.560	176.900	250.000	-29.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089265.D Date Analyzed: 07/01/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:13

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.072	7.970	8.170	19.650	20.000	-1.8
Tetrachloro-m-xylene	2.881	2.830	2.930	19.970	20.000	-0.2
alpha-BHC	3.392	3.340	3.440	10.130	10.000	1.3
beta-BHC	4.025	3.970	4.080	9.890	10.000	-1.1
gamma-BHC (Lindane)	3.730	3.680	3.780	9.870	10.000	-1.3
Endrin	5.789	5.720	5.860	45.160	50.000	-9.7
4,4'-DDT	6.183	6.110	6.250	78.010	100.000	-22.0
Methoxychlor	6.754	6.680	6.820	158.950	250.000	-36.4

Data File: PEM
 PD089265.D **Date Acquired** 7/1/2025 12:13
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	177602871.5	188682387.7	11079516.2	Down 5.87
Endrin aldehyde	6.92	3048057.244			
Endrin ketone	7.63	8031458.925			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	980555114.1	1082275727	101720613	9.40
Endrin aldehyde #2	6.26	27499938.02			
Endrin ketone #2	6.99	74220675.1			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	298004872.3	317256503	19251630.6	6.07
4,4'-DDE	6.19	938270.216			
4,4'-DDD	6.70	18313360.43			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1581914044	1693486508	111572464	6.59
4,4'-DDE #2	5.37	5646016.685			
4,4'-DDD #2	5.93	105926447.1			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089265.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 12:13
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:44:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.550	2.881	52857529	338.6E6	18.526	19.975
28)	SA Decachlor...	9.074	8.072	75689745	388.5E6	19.271	19.651
Target Compounds							
2)	A alpha-BHC	4.000	3.392	49881725	271.5E6	8.557	10.133m
3)	MA gamma-BHC...	4.329	3.730	49349393	244.4E6	8.841m	9.871
6)	B beta-BHC	4.516	4.025	21028261	106.2E6	9.527	9.887
12)	B 4,4'-DDE	6.194	5.374	938270	5646017	0.215m	0.246m
14)	MA Endrin	6.573	5.789	177.6E6	980.6E6	43.049m	45.158
16)	A 4,4'-DDD	6.704	5.929	18313360	105.9E6	5.336m	5.537
17)	MA 4,4'-DDT	7.022	6.183	298.0E6	1581.9E6	78.667	78.006
18)	B Endrin al...	6.915	6.258	3048057	27499938	0.995	1.796 #
20)	A Methoxychlor	7.493	6.754	357.5E6	1711.6E6	176.903	158.950
21)	B Endrin ke...	7.630	6.990	8031459	74220675	1.972	3.436 #

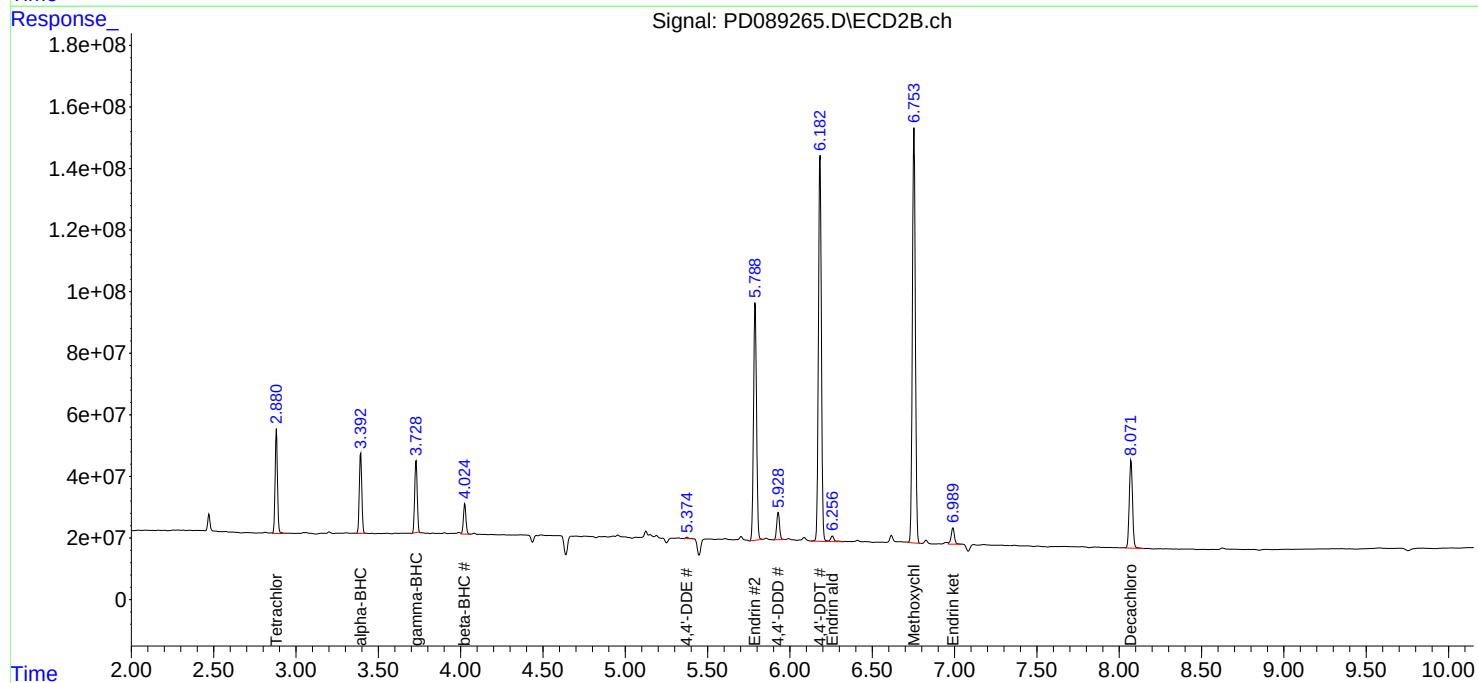
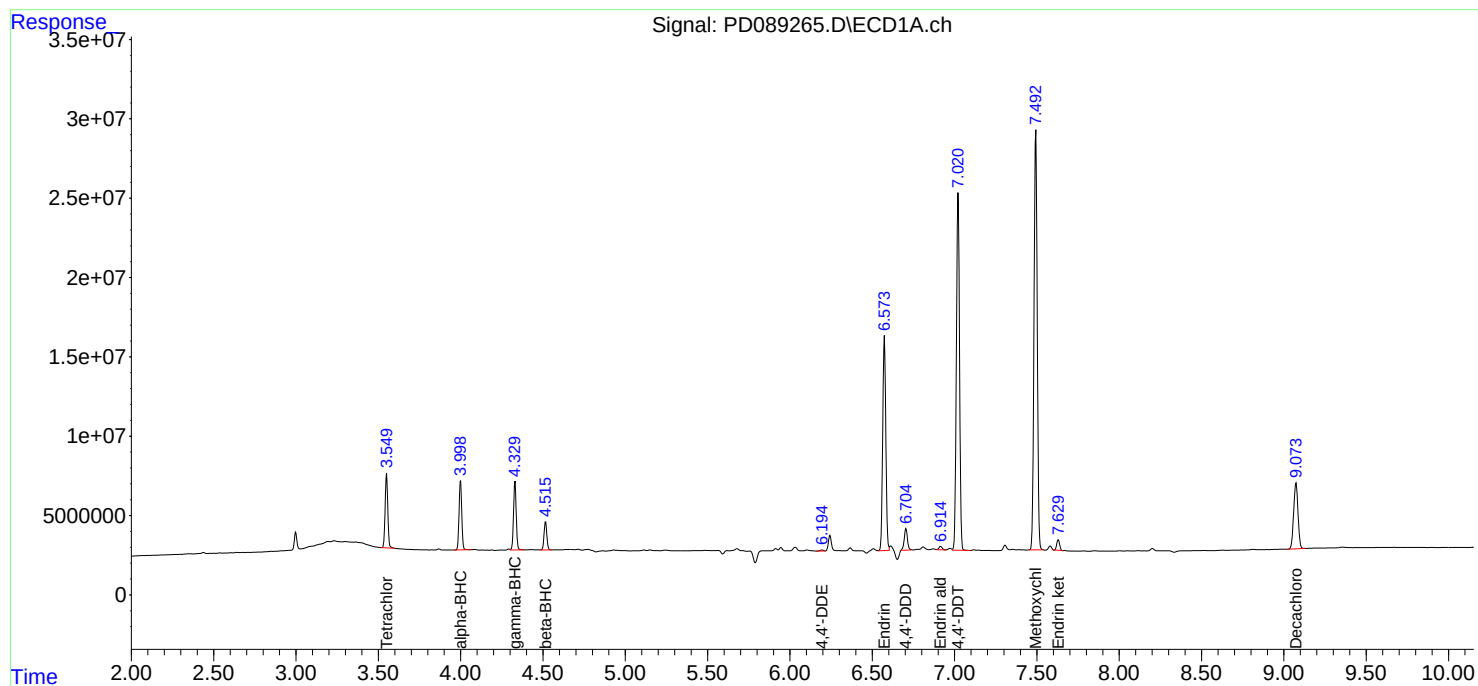
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 12:13
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:44:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial 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



Analytical Sequence

Client: Coppola Services	SDG No.: Q2409
Project: Millville Sewage Treatment Plant - Field San	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 06/17/2025 06/17/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	06/17/2025	15:11	PD088990.D	9.07	3.55
PEM	PEM	06/17/2025	15:25	PD088991.D	9.07	3.55
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	9.07	3.55
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	9.07	3.55
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	9.07	3.55
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	9.07	3.55
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	9.07	3.55
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	9.07	3.55
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	9.07	3.55
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	9.07	3.55
PEM	PEM	07/01/2025	12:13	PD089265.D	9.07	3.55
IBLK	IBLK	07/01/2025	16:37	PD089276.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/01/2025	16:50	PD089277.D	9.07	3.55
PB168676BL	PB168676BL	07/01/2025	17:04	PD089278.D	9.07	3.55
PB168676BS	PB168676BS	07/01/2025	17:18	PD089279.D	9.07	3.55
PB168571TB	PB168571TB	07/01/2025	17:32	PD089280.D	9.07	3.55
COP-SOIL-PILE	Q2409-02	07/01/2025	17:45	PD089281.D	9.07	3.55
COP-SOIL-PILEMS	Q2409-02MS	07/01/2025	17:59	PD089282.D	9.07	3.55
COP-SOIL-PILEMSD	Q2409-02MSD	07/01/2025	18:13	PD089283.D	9.07	3.55
IBLK	IBLK	07/01/2025	19:07	PD089287.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/01/2025	19:34	PD089289.D	9.07	3.55

Analytical Sequence

Client: Coppola Services	SDG No.: Q2409
Project: Millville Sewage Treatment Plant - Field San	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 06/17/2025 06/17/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	06/17/2025	15:11	PD088990.D	8.07	2.88
PEM	PEM	06/17/2025	15:25	PD088991.D	8.07	2.88
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	8.07	2.88
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	8.07	2.88
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	8.07	2.88
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	8.07	2.88
PEM	PEM	07/01/2025	12:13	PD089265.D	8.07	2.88
IBLK	IBLK	07/01/2025	16:37	PD089276.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/01/2025	16:50	PD089277.D	8.07	2.88
PB168676BL	PB168676BL	07/01/2025	17:04	PD089278.D	8.07	2.88
PB168676BS	PB168676BS	07/01/2025	17:18	PD089279.D	8.07	2.88
PB168571TB	PB168571TB	07/01/2025	17:32	PD089280.D	8.07	2.88
COP-SOIL-PILE	Q2409-02	07/01/2025	17:45	PD089281.D	8.07	2.88
COP-SOIL-PILEMS	Q2409-02MS	07/01/2025	17:59	PD089282.D	8.07	2.88
COP-SOIL-PILEMSD	Q2409-02MSD	07/01/2025	18:13	PD089283.D	8.07	2.88
IBLK	IBLK	07/01/2025	19:07	PD089287.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/01/2025	19:34	PD089289.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COP-SOIL-PILEMS

Contract: COPP02

Lab Code: CHEM Case No.: Q2409

SAS No.: Q2409 SDG NO.: Q2409

Lab Sample ID: Q2409-02MS

Date(s) Analyzed: 07/01/2025 07/01/2025

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	4.10	0
	2	6.75	6.70	6.80	4.10	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.80	2.1
	2	3.73	3.68	3.78	4.70	
Heptachlor	1	4.93	4.88	4.98	4.20	2.4
	2	4.08	4.03	4.13	4.10	
Heptachlor epoxide	1	5.69	5.64	5.74	4.70	0
	2	4.87	4.82	4.92	4.70	
Endrin	1	6.58	6.53	6.63	4.60	2.2
	2	5.79	5.74	5.84	4.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COP-SOIL-PILEMSD

Contract: COPP02

Lab Code: CHEM Case No.: Q2409

SAS No.: Q2409

SDG NO.: Q2409

Lab Sample ID: Q2409-02MSD

Date(s) Analyzed: 07/01/2025 07/01/2025

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		
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.80	2.1
	2	3.73	3.68	3.78	4.70	
Heptachlor	1	4.93	4.88	4.98	4.10	0
	2	4.08	4.03	4.13	4.10	
Heptachlor epoxide	1	5.69	5.64	5.74	4.70	0
	2	4.87	4.82	4.92	4.70	
Endrin	1	6.57	6.52	6.62	4.60	2.2
	2	5.79	5.74	5.84	4.50	
Methoxychlor	1	7.49	7.44	7.54	4.10	0
	2	6.75	6.70	6.80	4.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168676BS

Contract: COPP02

Lab Code: CHEM Case No.: Q2409

SAS No.: Q2409 SDG NO.: Q2409

Lab Sample ID: PB168676BS

Date(s) Analyzed: 07/01/2025 07/01/2025

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		
Endrin	1	6.58	6.53	6.63	0.52	1.3
	2	5.79	5.74	5.84	0.51	
Methoxychlor	1	7.49	7.44	7.54	0.51	2
	2	6.75	6.70	6.80	0.53	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.57	1
	2	3.73	3.68	3.78	0.56	
Heptachlor	1	4.93	4.88	4.98	0.56	2.8
	2	4.08	4.03	4.13	0.54	
Heptachlor epoxide	1	5.69	5.64	5.74	0.56	1.7
	2	4.87	4.82	4.92	0.56	



QC SAMPLE DATA

Report of Analysis

Client:	Coppola Services	Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	
Client Sample ID:	PB168676BL	SDG No.:	Q2409
Lab Sample ID:	PB168676BL	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP PesticideGroup1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089278.D	1	07/01/25 09:19	07/01/25 17:04	PB168676

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		30 (57) - 150 (171)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		30 (61) - 150 (148)	104%	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\PD070225\
 Data File : PD089278.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 17:04
 Operator : AR\AJ
 Sample : PB168676BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168676BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:48:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.550	2.881	51756929	351.1E6	18.140	20.712
28)	SA Decachlor...	9.073	8.072	77155969	384.1E6	19.644	19.427

Target Compounds

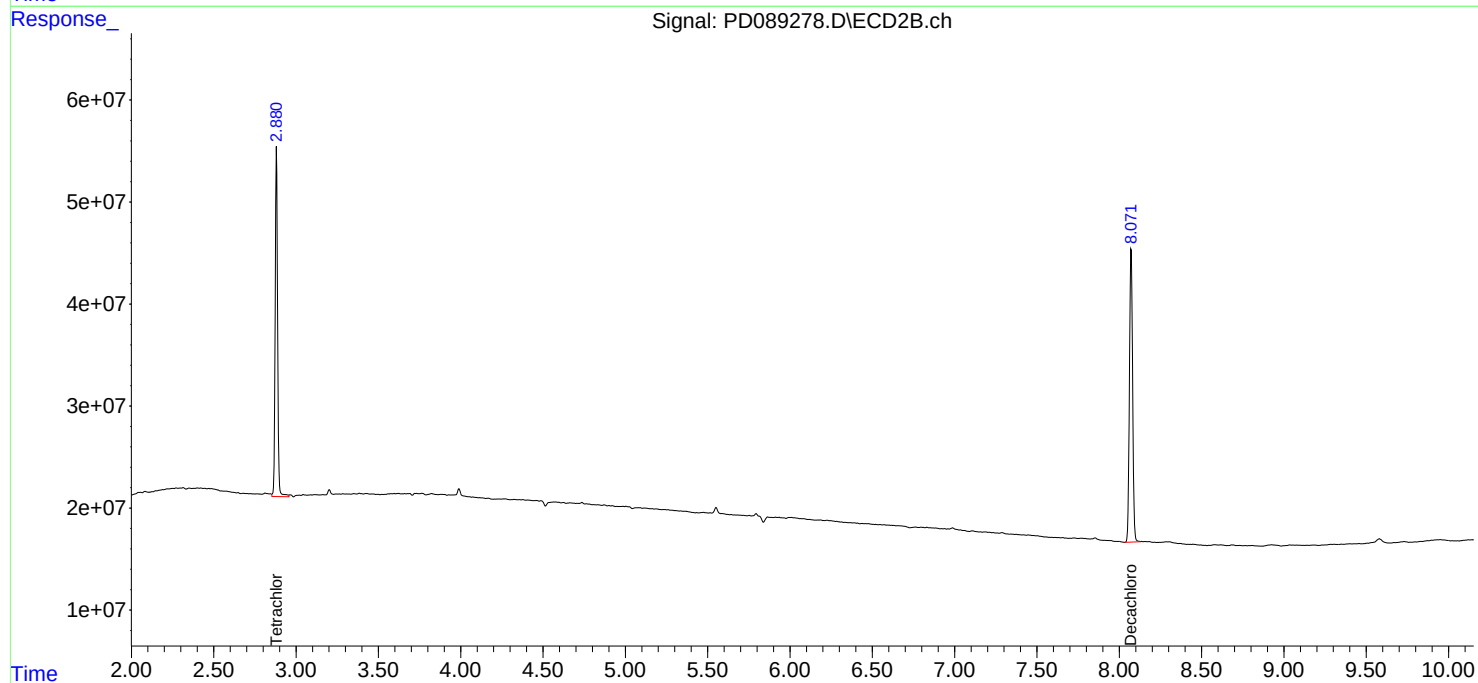
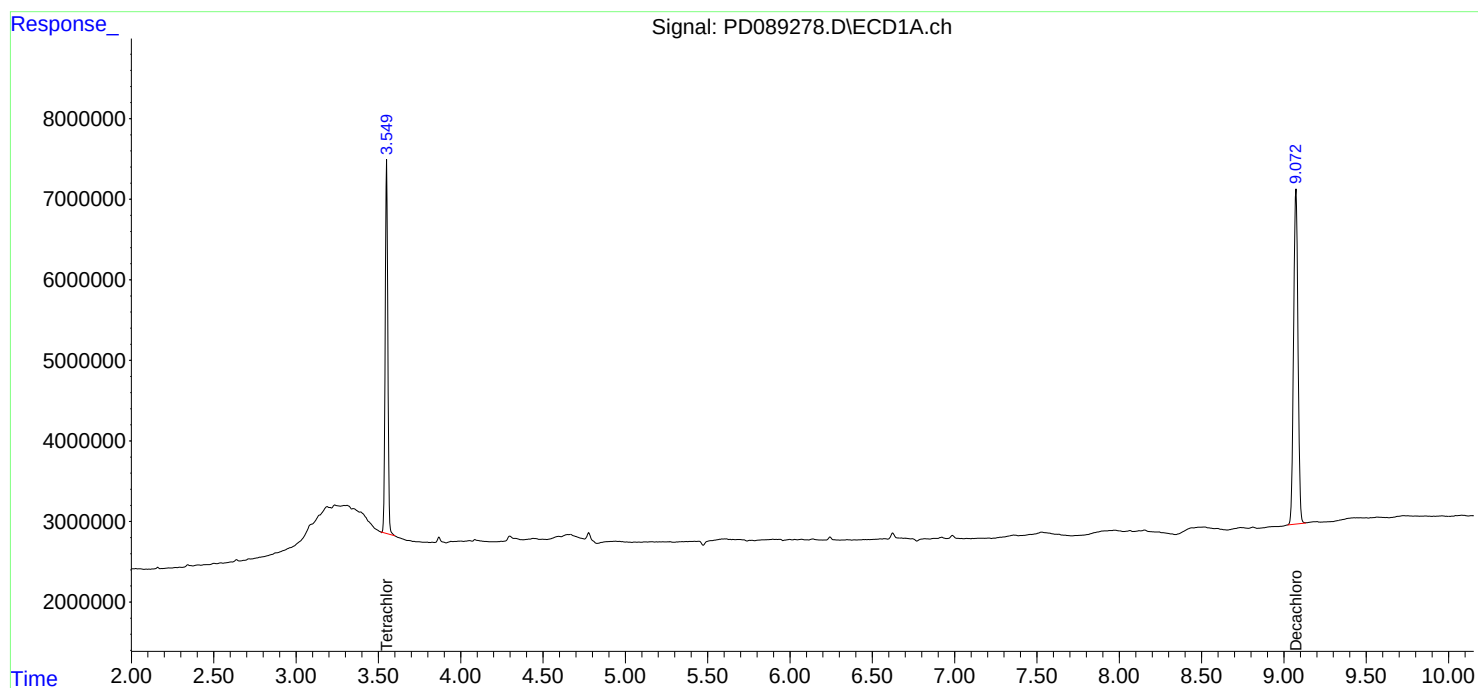
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

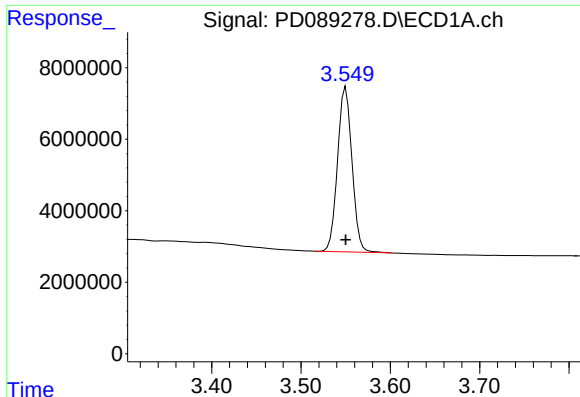
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 17:04
Operator : AR\AJ
Sample : PB168676BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168676BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:48:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

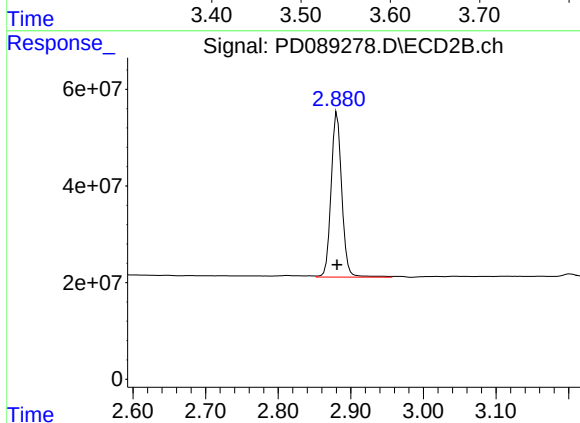




#1 Tetrachloro-m-xylene

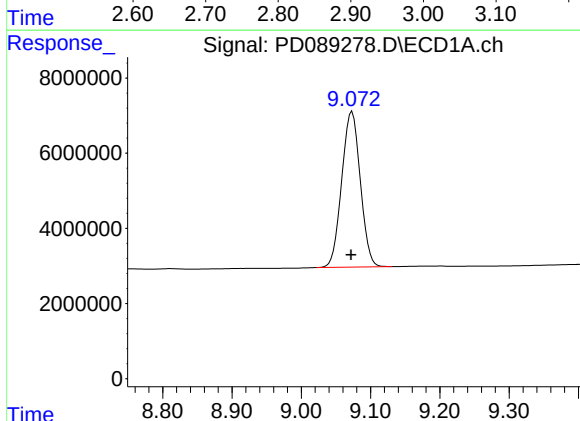
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 51756929
Conc: 18.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168676BL



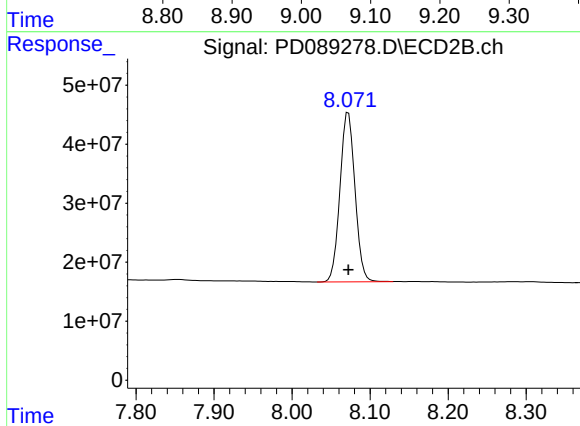
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 351132731
Conc: 20.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 77155969
Conc: 19.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 384061503
Conc: 19.43 ng/ml

Report of Analysis

Client:	Coppola Services	Date Collected:	06/17/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2409
Lab Sample ID:	I.BLK-PD088990.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 PesticideGroup1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		30 (57) - 150 (171)	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		30 (61) - 150 (148)	88%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
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: Jun 18 05:45:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.881	45828945	299.5E6	16.063	17.668
28)	SA Decachlor...	9.072	8.072	71428242	368.1E6	18.186	18.617

Target Compounds

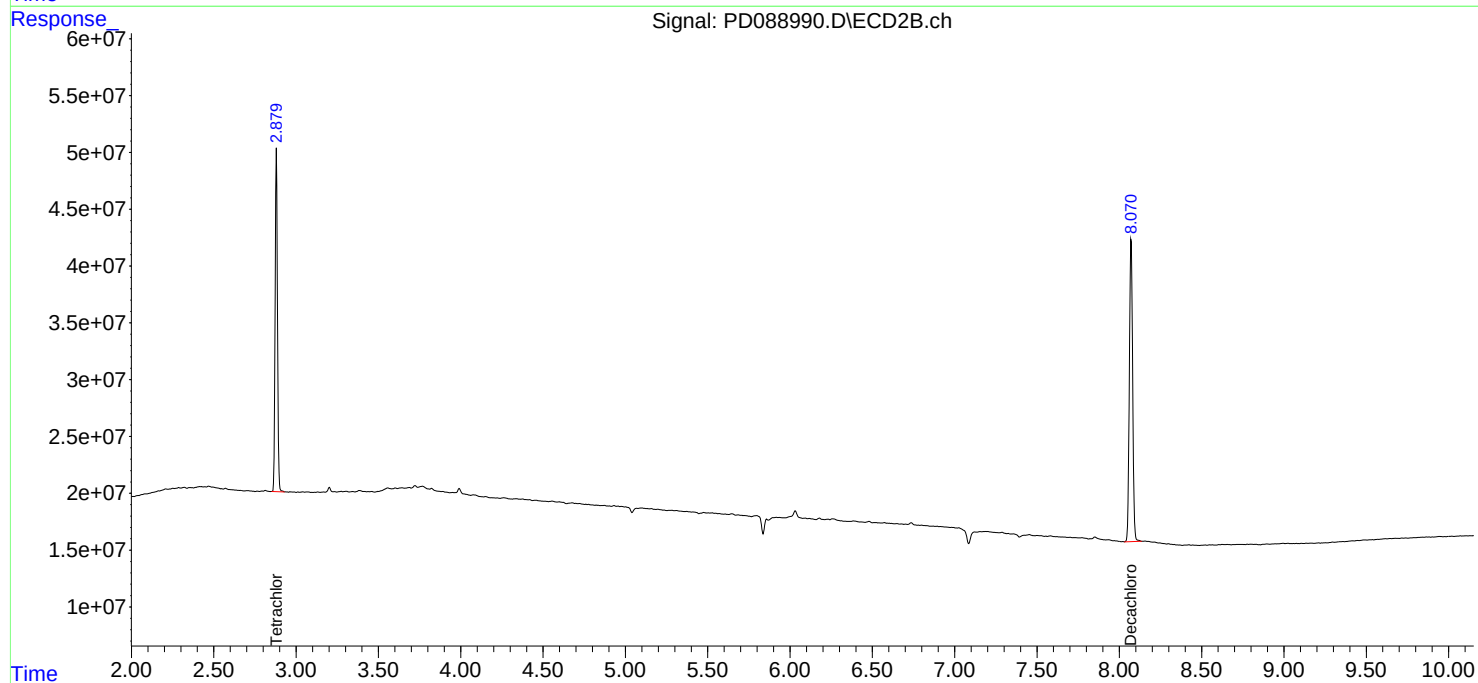
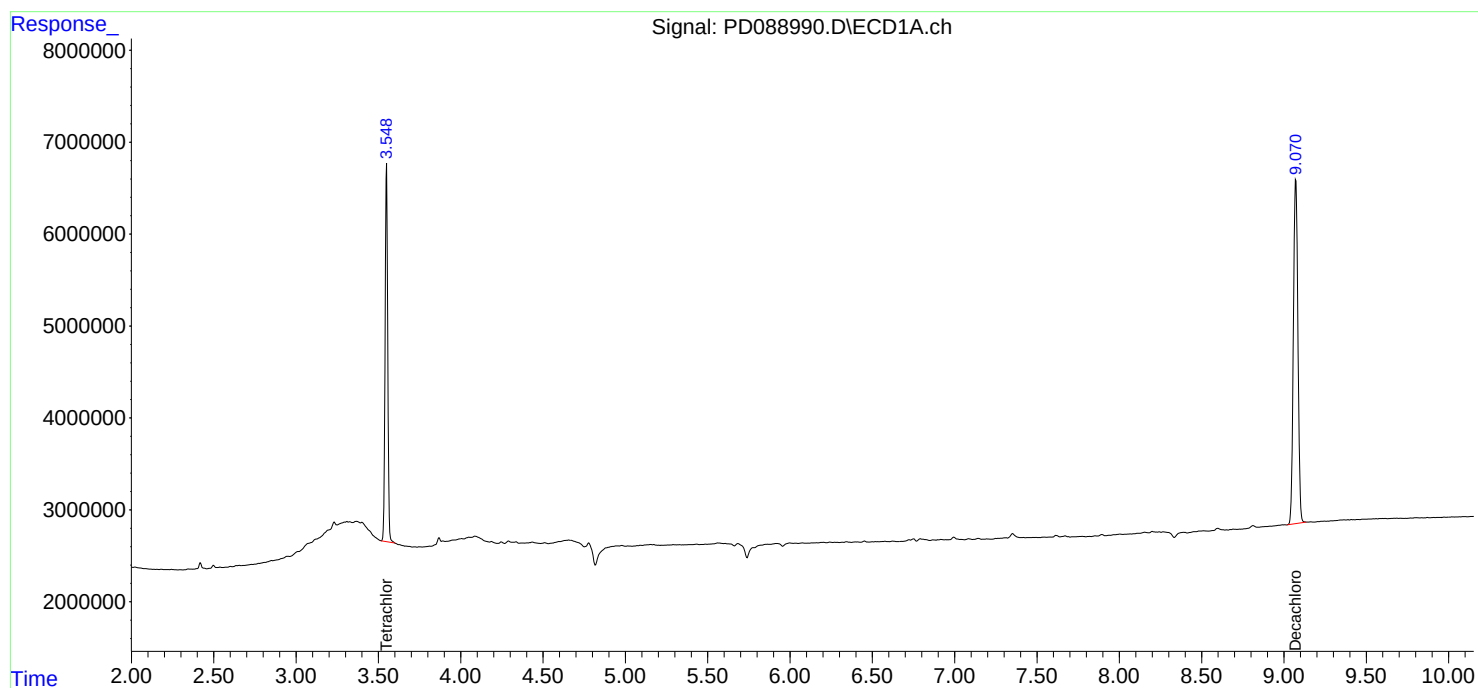
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

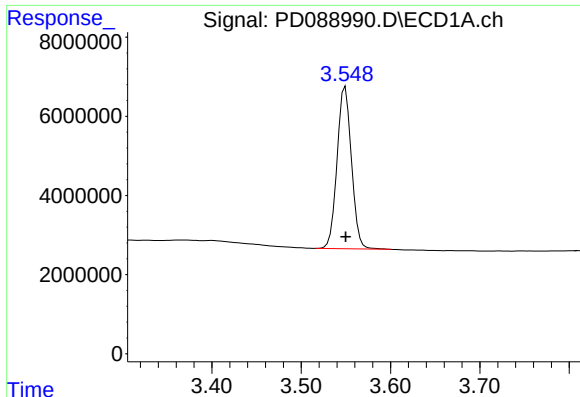
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:45:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

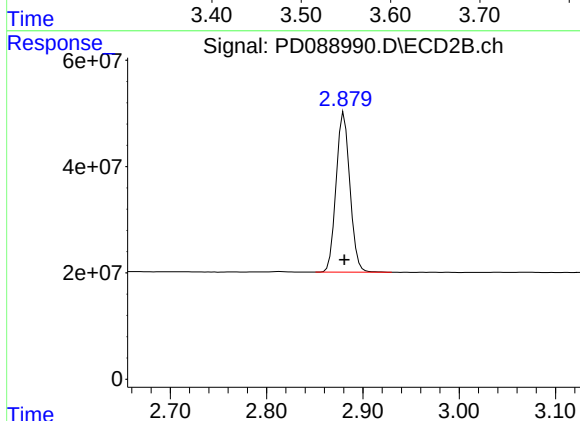




#1 Tetrachloro-m-xylene

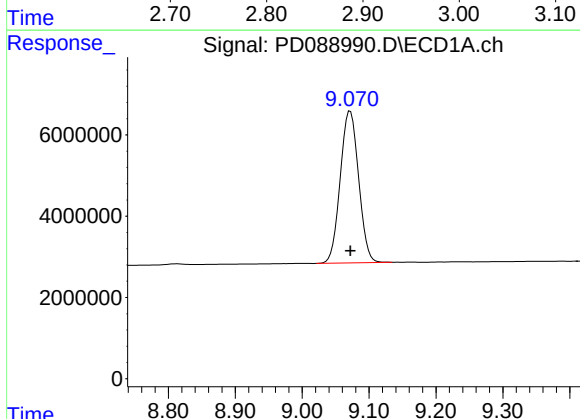
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45828945
Conc: 16.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



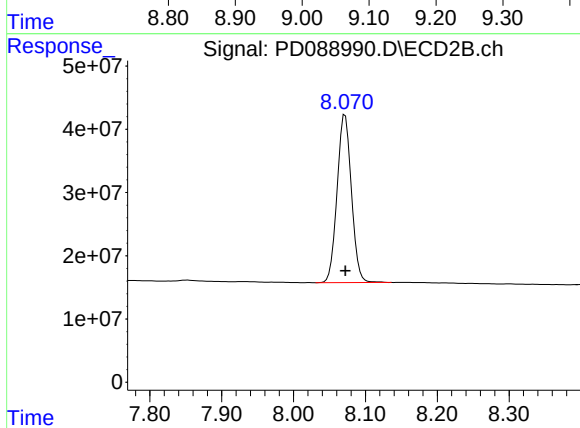
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 299529104
Conc: 17.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 71428242
Conc: 18.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 368061815
Conc: 18.62 ng/ml

Report of Analysis

Client:	Coppola Services	Date Collected:	07/01/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	07/01/25
Client Sample ID:	PIBLK-PD089276.D	SDG No.:	Q2409
Lab Sample ID:	I.BLK-PD089276.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP PesticideGroup1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089276.D	1		07/01/25	pd070225

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	23.0		30 (57) - 150 (171)	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		30 (61) - 150 (148)	116%	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\PD070225\
Data File : PD089276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 16:37
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: Jul 02 01:47:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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...	3.550	2.881	59714817	392.7E6	20.930	23.165
28)	SA Decachlor...	9.074	8.072	90269419	443.3E6	22.983	22.421

Target Compounds

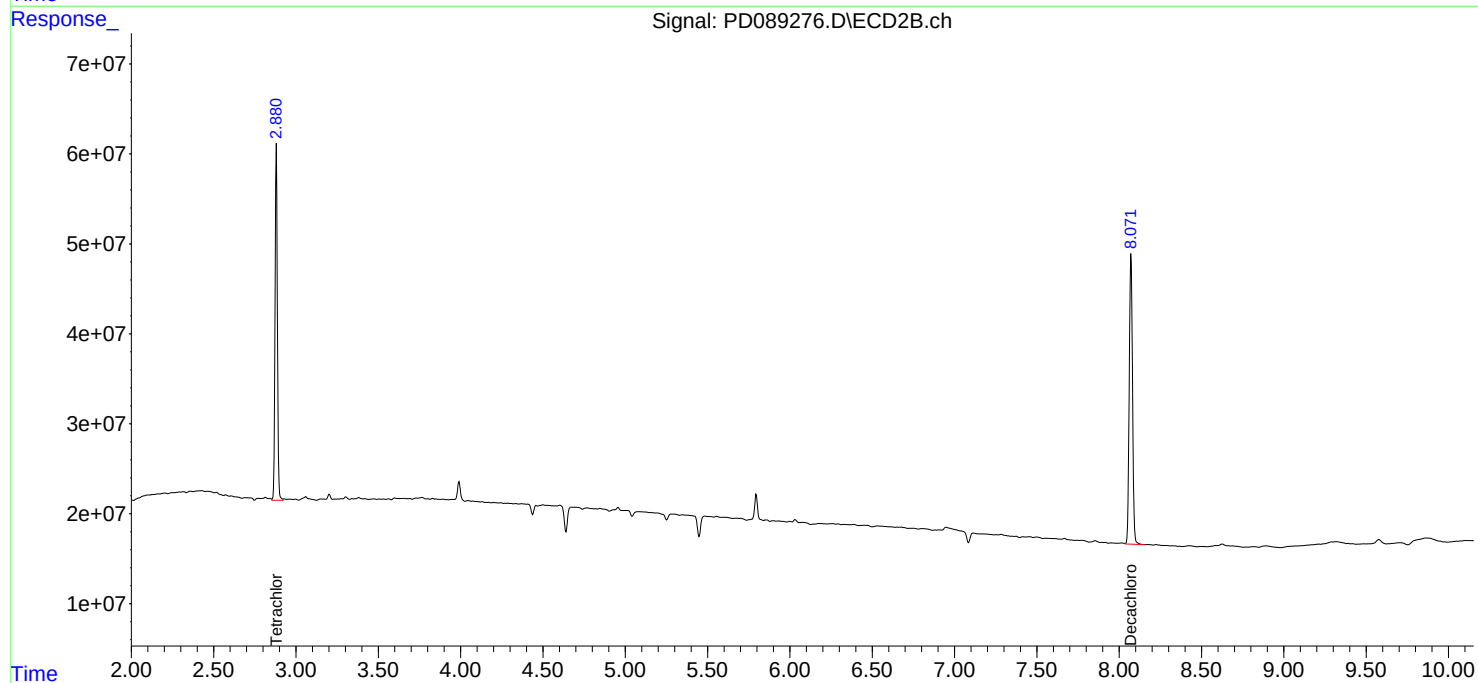
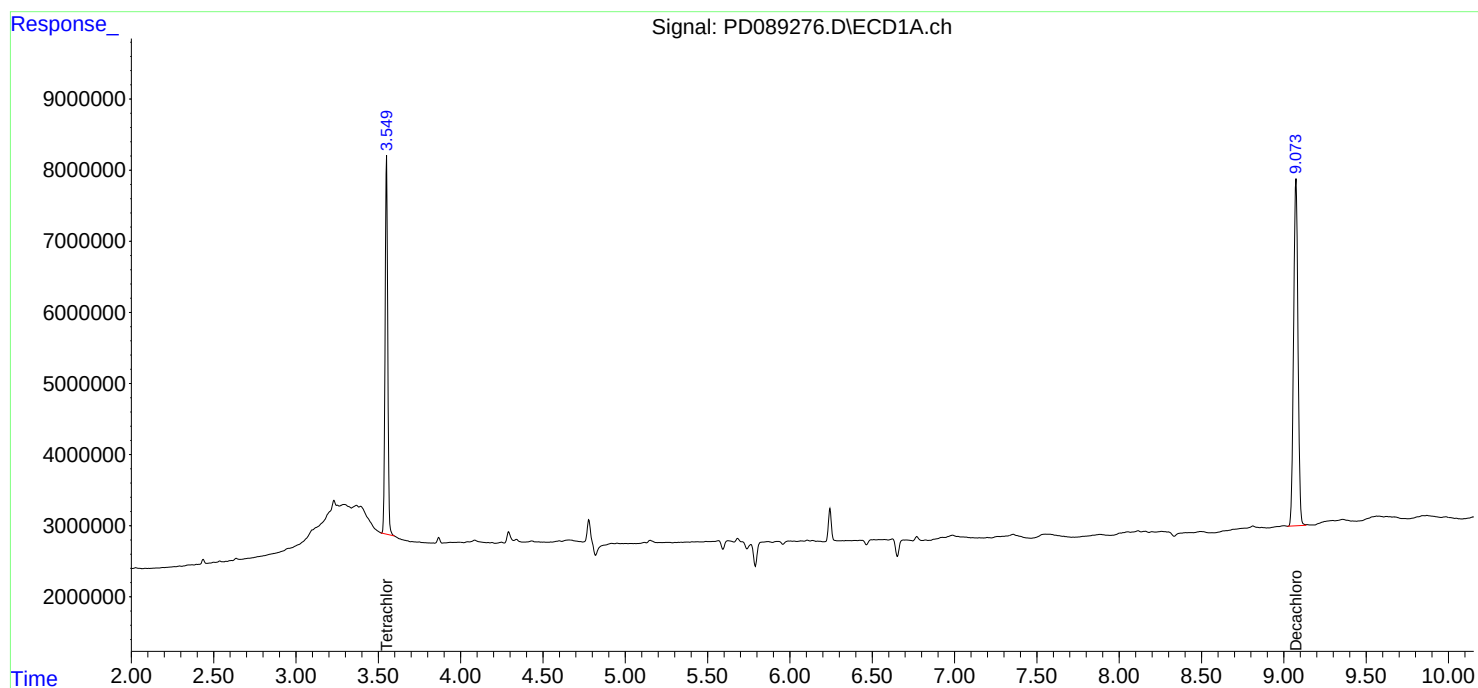
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

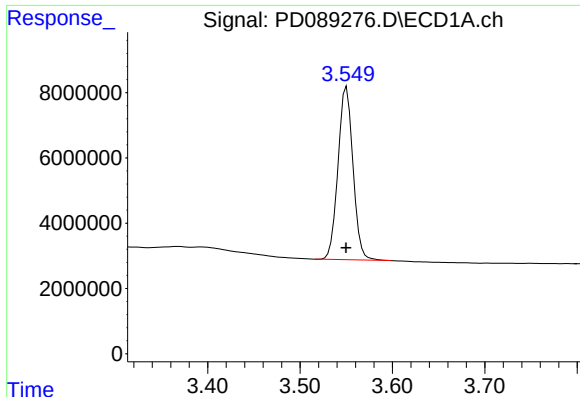
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 16:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:47:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

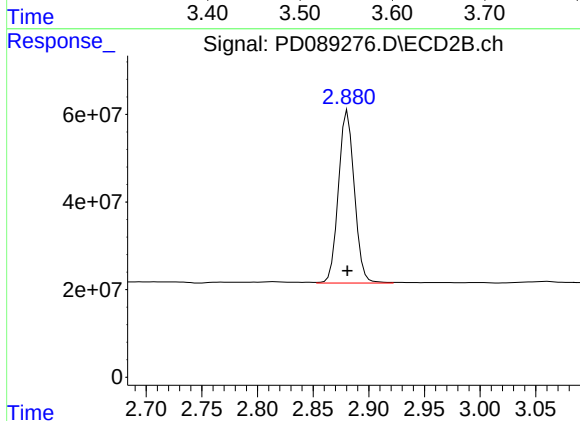




#1 Tetrachloro-m-xylene

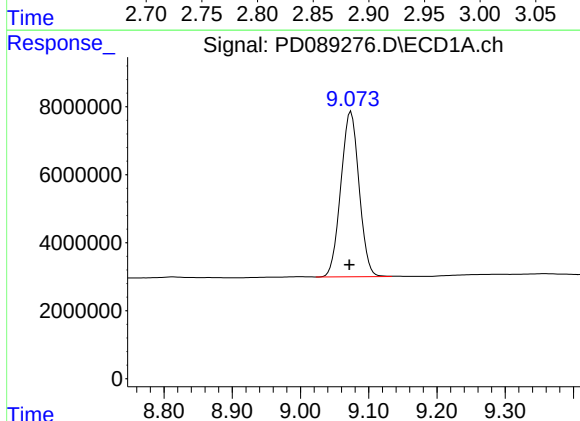
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 59714817
Conc: 20.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



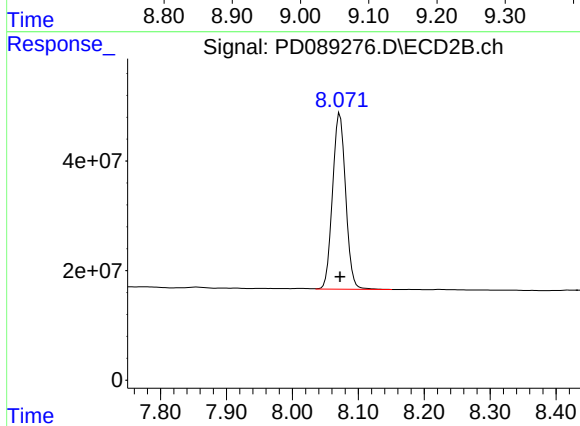
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 392715775
Conc: 23.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 90269419
Conc: 22.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 443269881
Conc: 22.42 ng/ml

Report of Analysis

Client:	Coppola Services		Date Collected:	07/01/25	
Project:	Millville Sewage Treatment Plant - Field Sampling		Date Received:	07/01/25	
Client Sample ID:	PIBLK-PD089287.D		SDG No.:	Q2409	
Lab Sample ID:	I.BLK-PD089287.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 PesticideGroup1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089287.D	1		07/01/25	pd070225

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	22.1		30 (57) - 150 (171)	110%	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\PD070225\
Data File : PD089287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 19:07
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: Jul 02 01:50:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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...	3.550	2.881	59834557	396.9E6	20.972	23.413
28)	SA Decachlor...	9.072	8.071	86680293	396.6E6	22.069	20.060

Target Compounds

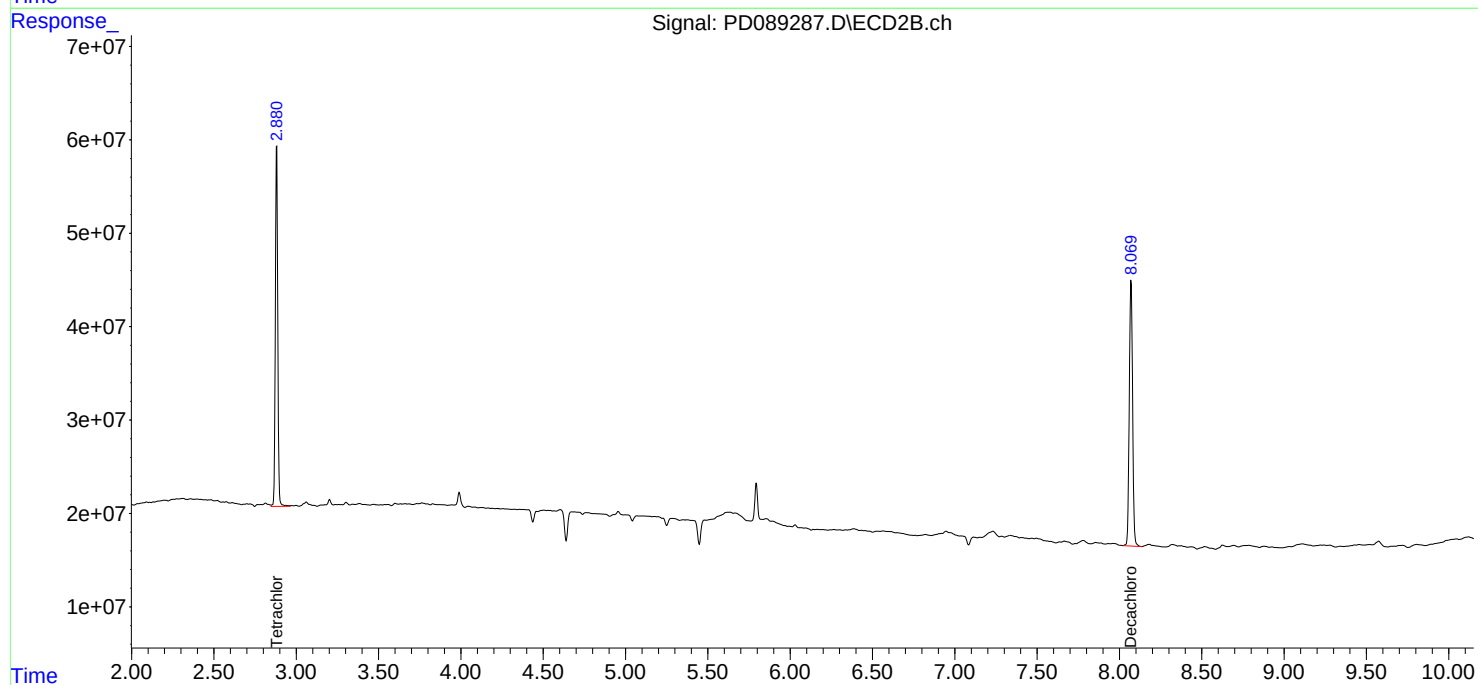
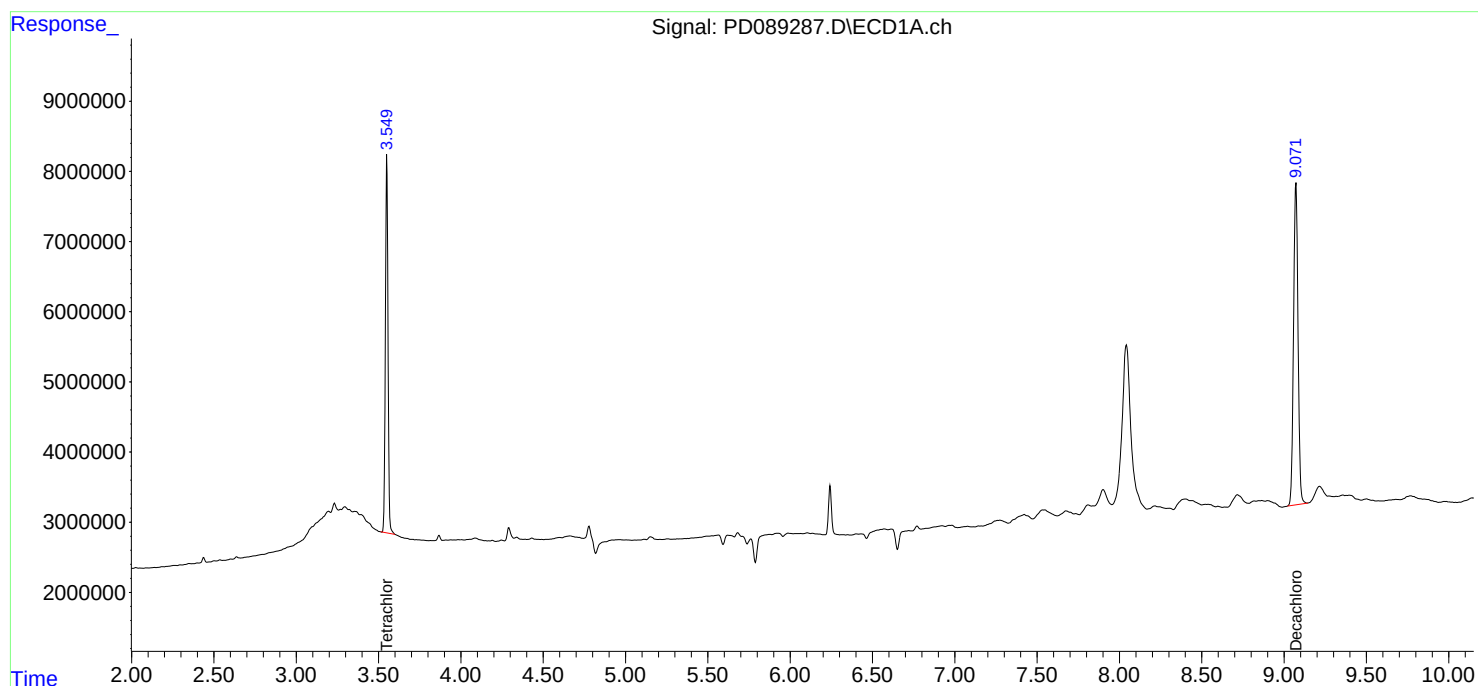
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

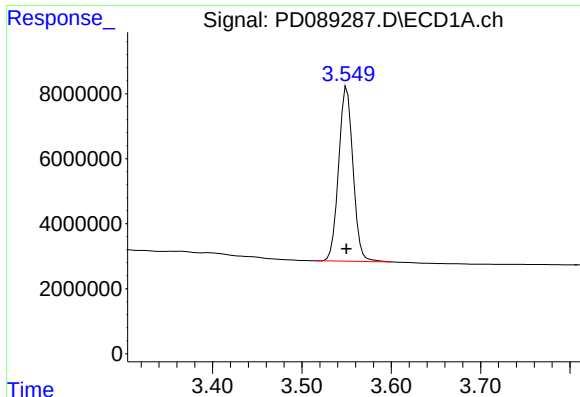
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 19:07
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:50:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

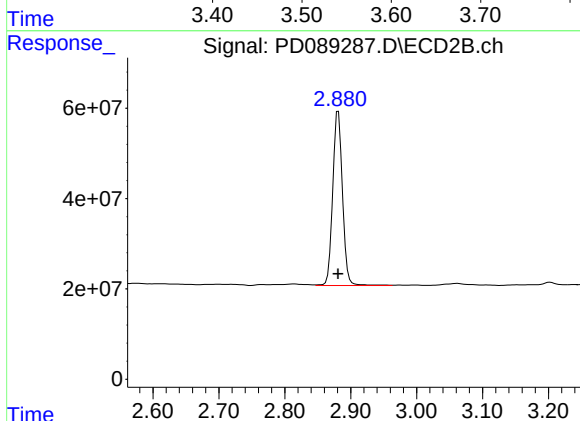




#1 Tetrachloro-m-xylene

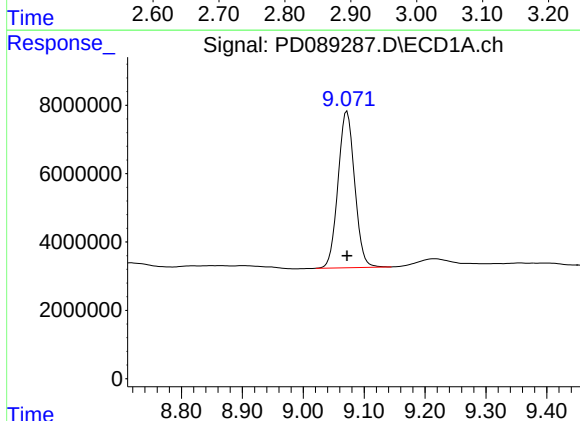
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 59834557
Conc: 20.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



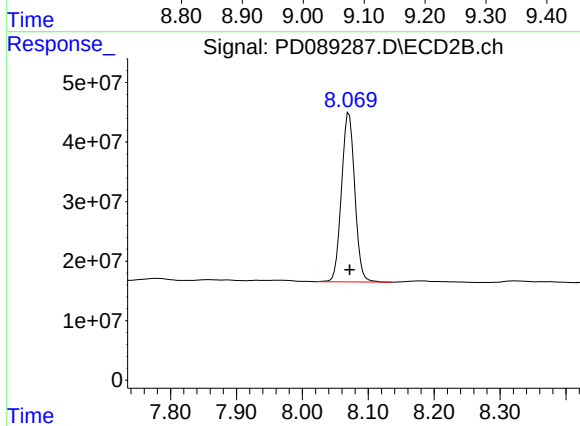
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 396926169
Conc: 23.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 86680293
Conc: 22.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 396587260
Conc: 20.06 ng/ml

Report of Analysis

Client:	Coppola Services	Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	
Client Sample ID:	PB168676BS	SDG No.:	Q2409
Lab Sample ID:	PB168676BS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP PesticideGroup1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089279.D	1	07/01/25 09:19	07/01/25 17:18	PB168676

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.57		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.56		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.56		0.0096	0.050	ug/L
72-20-8	Endrin	0.52		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.53		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	20.6		30 (57) - 150 (171)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		30 (61) - 150 (148)	105%	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\PD070225\
 Data File : PD089279.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 17:18
 Operator : AR\AJ
 Sample : PB168676BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168676BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:48:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.551	2.881	52730812	355.0E6	18.482	20.943
28)	SA Decachlor...	9.074	8.072	80793534	402.8E6	20.571	20.373
Target Compounds							
2)	A alpha-BHC	4.000	3.393	331.9E6	1512.2E6	56.937	56.431
3)	MA gamma-BHC...	4.331	3.729	316.7E6	1390.4E6	56.739	56.162m
4)	MA Heptachlor	4.930	4.083	303.2E6	1354.4E6	55.604	54.095
5)	MB Aldrin	5.272	4.369	302.5E6	1365.9E6	56.937	56.402
6)	B beta-BHC	4.516	4.026	118.7E6	594.1E6	53.783	55.283
7)	B delta-BHC	4.765	4.262	305.8E6	1391.6E6	59.574	55.947
8)	B Heptachlo...	5.691	4.871	267.7E6	1236.5E6	55.495	56.468m
9)	A Endosulfan I	6.075	5.246	253.9E6	1159.0E6	56.339	55.608m
10)	B gamma-Chl...	5.947	5.124	268.1E6	1315.1E6	55.994	54.971m
11)	B alpha-Chl...	6.027	5.190	269.6E6	1300.8E6	55.727	56.810
12)	B 4,4'-DDE	6.196	5.375	245.5E6	1280.9E6	56.288	55.897
13)	MA Dieldrin	6.348	5.512	271.1E6	1290.5E6	56.501	55.603m
14)	MA Endrin	6.575	5.788	215.2E6	1117.8E6	52.154	51.480m
15)	B Endosulfa...	6.787	6.081	217.5E6	1113.1E6	53.888	55.114
16)	A 4,4'-DDD	6.705	5.930	198.7E6	1032.3E6	57.897	53.963
17)	MA 4,4'-DDT	7.021	6.183	192.4E6	1016.8E6	50.786	50.141
18)	B Endrin al...	6.915	6.259	169.2E6	841.9E6	55.210	54.983
19)	B Endosulfa...	7.150	6.482	210.8E6	1073.4E6	54.939	54.707
20)	A Methoxychlor	7.493	6.754	104.0E6	565.5E6	51.445	52.514
21)	B Endrin ke...	7.631	6.991	230.0E6	1200.6E6	56.469	55.581
22)	Mirex	8.114	7.184	131.2E6	711.8E6	43.142	42.680m

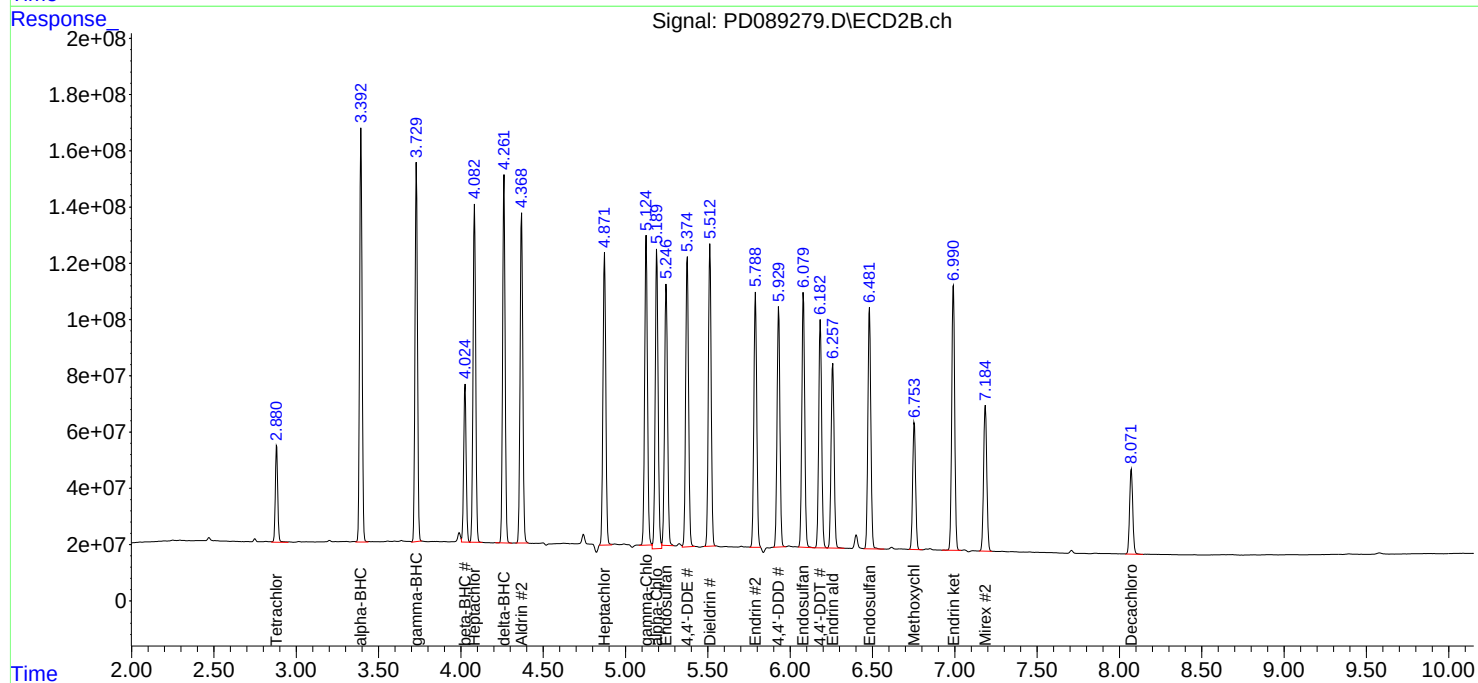
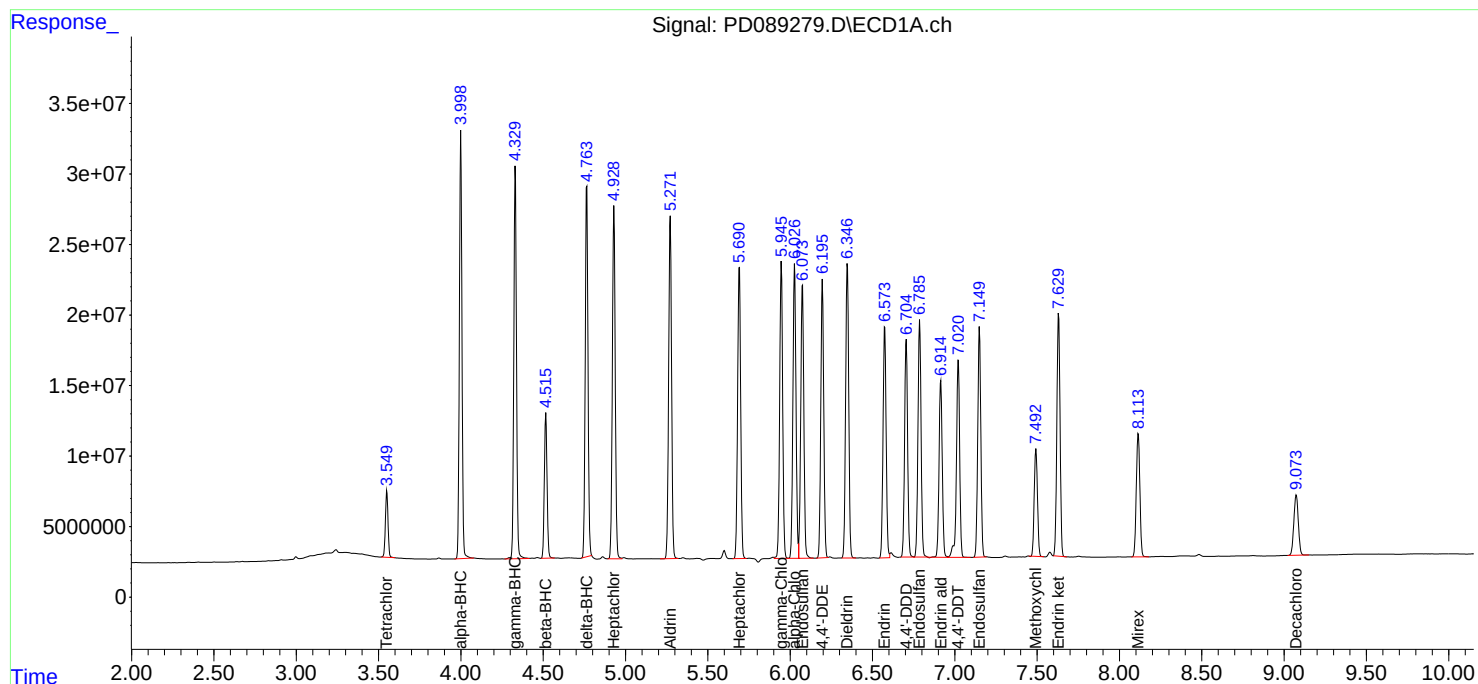
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 17:18
Operator : AR\AJ
Sample : PB168676BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168676BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:48:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILEMS	SDG No.:	Q2409
Lab Sample ID:	Q2409-02MS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP PesticideGroup1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089282.D	1	07/01/25 09:19	07/01/25 17:59	PB168676

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.80		0.037	0.50	ug/L
76-44-8	Heptachlor	4.20		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	4.70		0.096	0.50	ug/L
72-20-8	Endrin	4.60		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.10		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	19.8		30 (57) - 150 (171)	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		30 (61) - 150 (148)	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089282.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 17:59
 Operator : AR\AJ
 Sample : Q2409-02MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COP-SOIL-PILEMS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:49:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.551	2.880	48423083	303.3E6	16.972	17.890m
2)	SA Decachlor...	9.073	8.072	77896242	389.5E6	19.833	19.701
Target Compounds							
2)	A alpha-BHC	4.000	3.392	275.5E6	1237.9E6	47.267	46.196m
3)	MA gamma-BHC...	4.329	3.728	267.7E6	1153.8E6	47.958m	46.604m
4)	MA Heptachlor	4.930	4.083	226.7E6	1016.0E6	41.575	40.579
5)	MB Aldrin	5.271	4.369	214.5E6	969.9E6	40.364	40.051
6)	B beta-BHC	4.516	4.026	102.2E6	499.3E6	46.310	46.462
7)	B delta-BHC	4.763	4.262	277.1E6	1176.4E6	53.990m	47.297
8)	B Heptachlo...	5.691	4.872	226.1E6	1038.6E6	46.880	47.427
9)	A Endosulfan I	6.075	5.246	213.0E6	984.6E6	47.253	47.238
10)	B gamma-Chl...	5.946	5.125	224.5E6	1098.2E6	46.885	45.905
11)	B alpha-Chl...	6.027	5.190	224.6E6	1053.5E6	46.424	46.010
12)	B 4,4'-DDE	6.196	5.375	204.4E6	1054.8E6	46.865	46.027
13)	MA Dieldrin	6.347	5.512	230.1E6	1106.0E6	47.954	47.654
14)	MA Endrin	6.575	5.789	189.8E6	978.2E6	45.998	45.049
15)	B Endosulfa...	6.786	6.080	195.3E6	951.1E6	48.376	47.091
16)	A 4,4'-DDD	6.705	5.929	166.9E6	912.0E6	48.634	47.676
17)	MA 4,4'-DDT	7.021	6.183	165.5E6	848.8E6	43.682	41.853
18)	B Endrin al...	6.915	6.258	144.6E6	714.5E6	47.206	46.663
19)	B Endosulfa...	7.149	6.482	182.0E6	914.3E6	47.423	46.600
20)	A Methoxychlor	7.493	6.753	83086683	439.2E6	41.119	40.784
21)	B Endrin ke...	7.630	6.991	195.1E6	1008.4E6	47.908	46.682
22)	Mirex	8.114	7.185	140.7E6	738.6E6	46.267	44.285

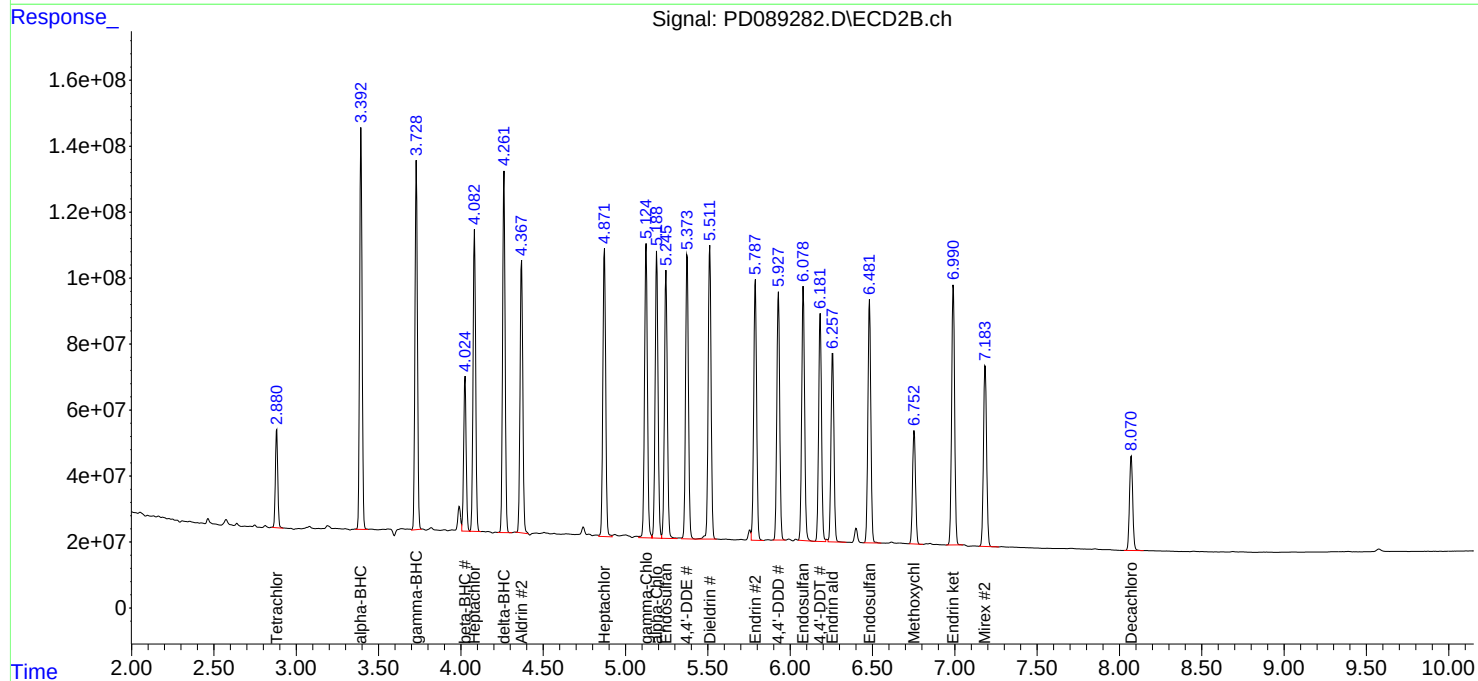
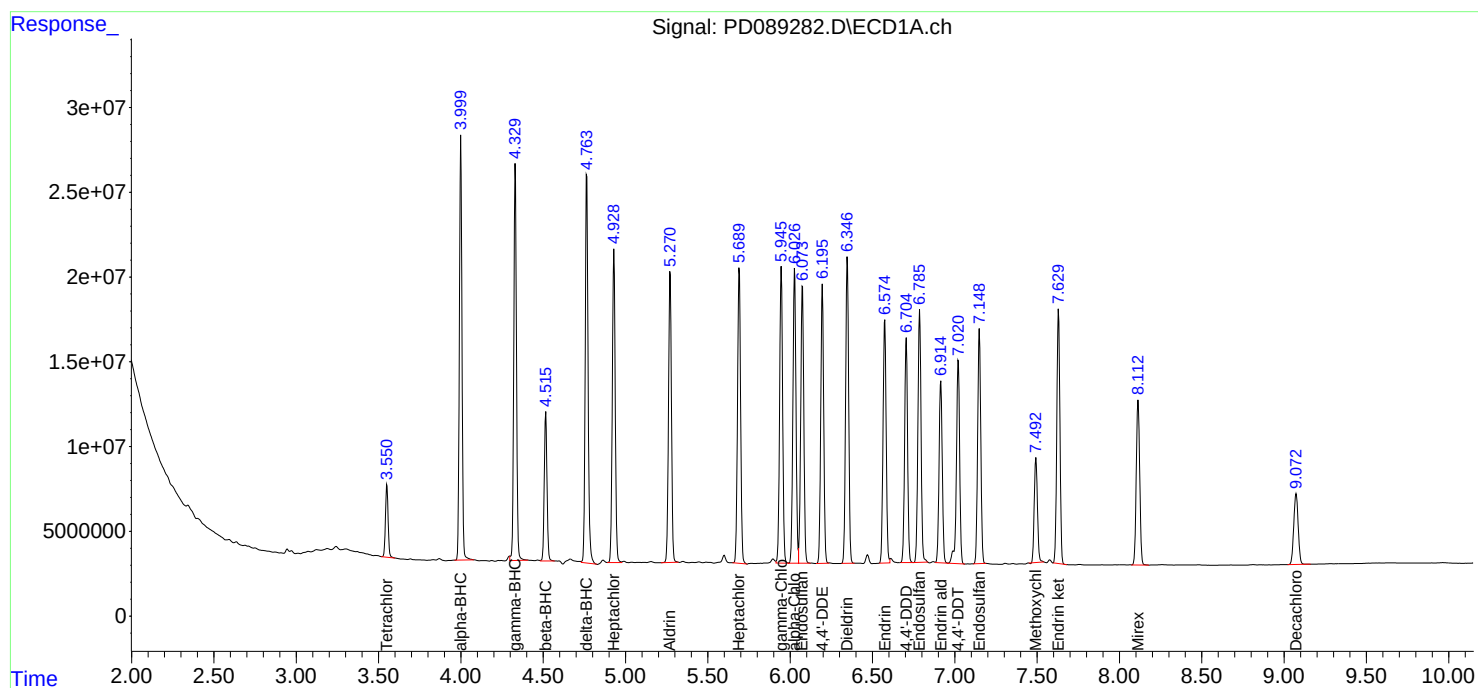
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 17:59
Operator : AR\AJ
Sample : Q2409-02MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:49:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILEMSD	SDG No.:	Q2409
Lab Sample ID:	Q2409-02MSD	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP PesticideGroup1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089283.D	1	07/01/25 09:19	07/01/25 18:13	PB168676

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.80		0.037	0.50	ug/L
76-44-8	Heptachlor	4.10		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	4.70		0.096	0.50	ug/L
72-20-8	Endrin	4.60		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.10		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	19.8		30 (57) - 150 (171)	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		30 (61) - 150 (148)	90%	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\PD070225\
 Data File : PD089283.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 18:13
 Operator : AR\AJ
 Sample : Q2409-02MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COP-SOIL-PILEMSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:49:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.551	2.880	48435694	306.0E6	16.976	18.050m
28)	SA Decachlor...	9.072	8.071	77920899	388.2E6	19.839	19.635
Target Compounds							
2)	A alpha-BHC	4.000	3.392	275.0E6	1241.7E6	47.176	46.337m
3)	MA gamma-BHC...	4.331	3.728	269.8E6	1154.9E6	48.342	46.651m
4)	MA Heptachlor	4.930	4.083	226.2E6	1016.4E6	41.482	40.594
5)	MB Aldrin	5.271	4.369	214.5E6	968.7E6	40.369	40.002
6)	B beta-BHC	4.516	4.026	102.1E6	501.6E6	46.243	46.680
7)	B delta-BHC	4.763	4.262	280.9E6	1172.7E6	54.723m	47.148
8)	B Heptachlo...	5.691	4.873	226.2E6	1038.7E6	46.888	47.433
9)	A Endosulfan I	6.074	5.247	212.8E6	986.8E6	47.210	47.348
10)	B gamma-Chl...	5.946	5.126	224.5E6	1095.1E6	46.893	45.775
11)	B alpha-Chl...	6.027	5.190	224.7E6	1054.3E6	46.437	46.044
12)	B 4,4'-DDE	6.196	5.375	203.6E6	1056.1E6	46.682	46.087
13)	MA Dieldrin	6.347	5.512	229.4E6	1102.7E6	47.813	47.513
14)	MA Endrin	6.574	5.789	189.3E6	984.8E6	45.875	45.354
15)	B Endosulfa...	6.786	6.080	194.3E6	953.9E6	48.144	47.230
16)	A 4,4'-DDD	6.705	5.929	166.8E6	910.9E6	48.610	47.620
17)	MA 4,4'-DDT	7.021	6.183	164.8E6	849.4E6	43.502	41.884
18)	B Endrin al...	6.915	6.259	144.6E6	716.2E6	47.190	46.776
19)	B Endosulfa...	7.150	6.482	181.6E6	913.6E6	47.314	46.562
20)	A Methoxychlor	7.493	6.754	82257602	439.8E6	40.709	40.846
21)	B Endrin ke...	7.631	6.990	195.5E6	1006.8E6	47.986	46.606
22)	Mirex	8.114	7.185	140.3E6	743.1E6	46.147	44.555

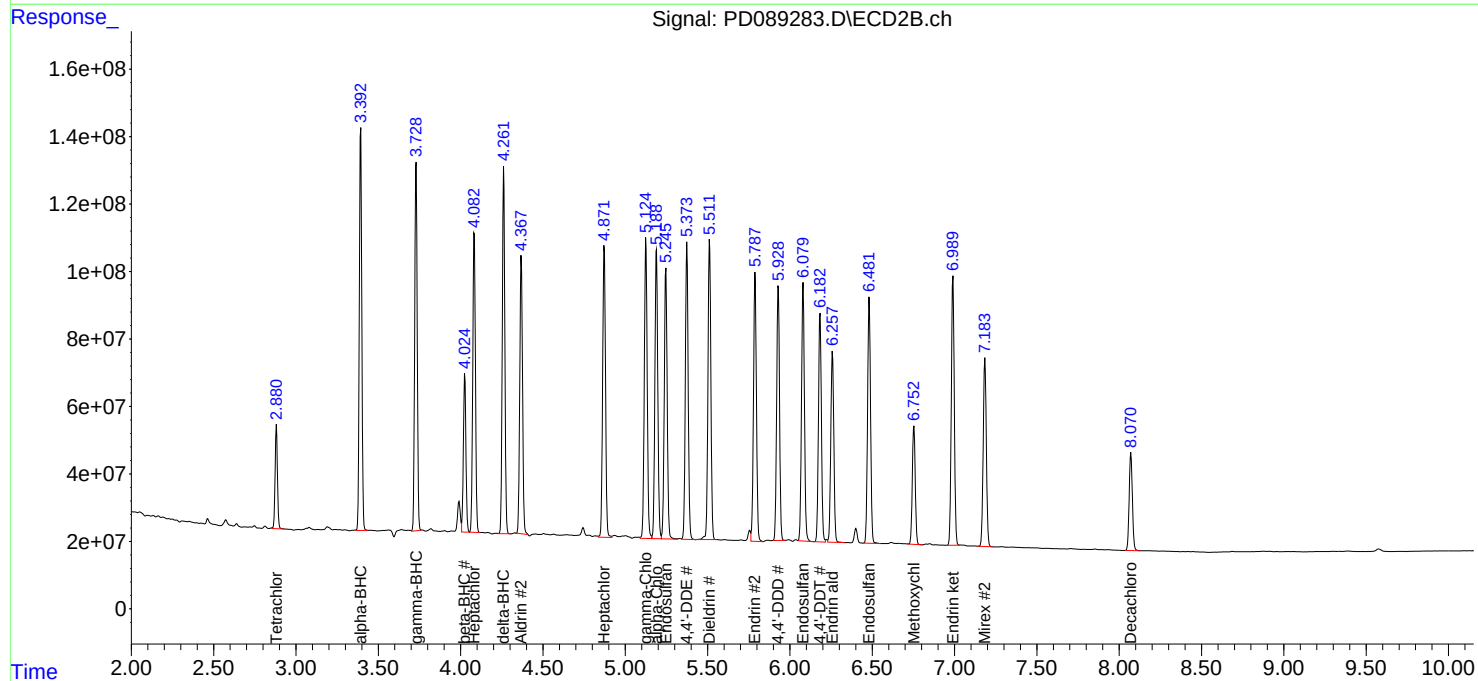
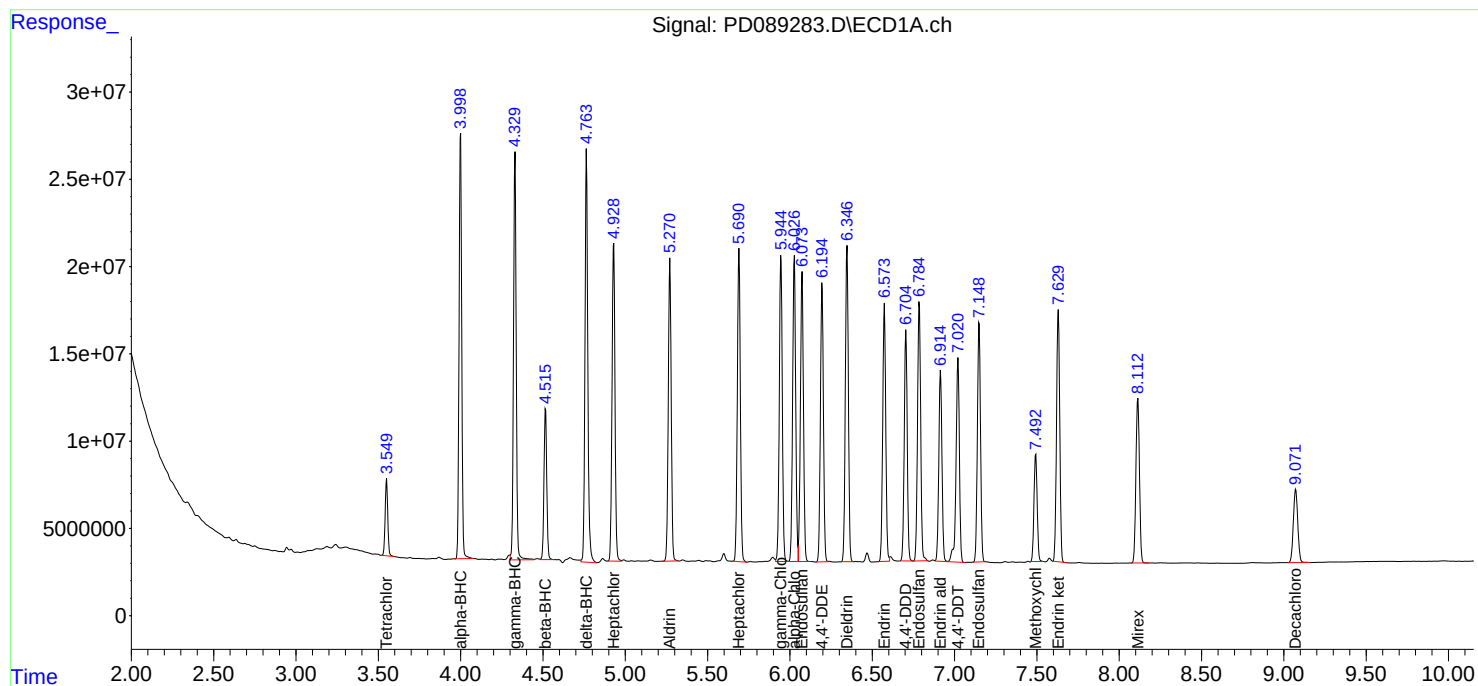
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
Data File : PD089283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2025 18:13
Operator : AR\AJ
Sample : Q2409-02MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:49:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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:	PD061825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088991.D	4,4"-DDD	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	4,4"-DDD #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	beta-BHC	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin aldehyde	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin aldehyde #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin ketone	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PEM	PD088991.D	Endrin ketone #2	Abdul	6/18/2025 8:40:15 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC025	PD088996.D	Endrin #2	Abdul	6/18/2025 8:40:24 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC005	PD088997.D	Endrin #2	Abdul	6/18/2025 8:40:30 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software
PSTDICC005	PD088997.D	Endrin ketone #2	Abdul	6/18/2025 8:40:30 AM	mohammad	6/19/2025 2:43:55	Peak Integrated by Software

Manual Integration Report

Sequence:	pd070225	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089265.D	4,4"-DDD	Abdul	7/2/2025 8:57:50 AM	 	 	Peak Integrated by Software
PEM	PD089265.D	4,4"-DDE	Abdul	7/2/2025 8:57:50 AM	 	 	Peak Integrated by Software
PEM	PD089265.D	4,4"-DDE #2	Abdul	7/2/2025 8:57:50 AM	 	 	Peak Integrated by Software
PEM	PD089265.D	alpha-BHC #2	Abdul	7/2/2025 8:57:50 AM	 	 	Peak Integrated by Software
PEM	PD089265.D	Endrin	Abdul	7/2/2025 8:57:50 AM	 	 	Peak Integrated by Software
PEM	PD089265.D	gamma-BHC (Lindane)	Abdul	7/2/2025 8:57:50 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089266.D	delta-BHC	Abdul	7/2/2025 8:57:53 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089266.D	Dieldrin #2	Abdul	7/2/2025 8:57:53 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089266.D	Endrin aldehyde	Abdul	7/2/2025 8:57:53 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089266.D	gamma-BHC (Lindane) #2	Abdul	7/2/2025 8:57:53 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089266.D	gamma-Chlordane #2	Abdul	7/2/2025 8:57:53 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089266.D	Heptachlor epoxide #2	Abdul	7/2/2025 8:57:53 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089266.D	Mirex #2	Abdul	7/2/2025 8:57:53 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	pd070225	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD089277.D	alpha-Chlordane #2	Abdul	7/2/2025 8:58:19 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089277.D	Dieldrin #2	Abdul	7/2/2025 8:58:19 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089277.D	Endosulfan I #2	Abdul	7/2/2025 8:58:19 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089277.D	gamma-BHC (Lindane) #2	Abdul	7/2/2025 8:58:19 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089277.D	gamma-Chlordane #2	Abdul	7/2/2025 8:58:19 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089277.D	Heptachlor epoxide #2	Abdul	7/2/2025 8:58:19 AM	 	 	Peak Integrated by Software
PB168676BS	PD089279.D	Dieldrin #2	Abdul	7/2/2025 8:58:23 AM	 	 	Peak Integrated by Software
PB168676BS	PD089279.D	Endosulfan I #2	Abdul	7/2/2025 8:58:23 AM	 	 	Peak Integrated by Software
PB168676BS	PD089279.D	Endrin #2	Abdul	7/2/2025 8:58:23 AM	 	 	Peak Integrated by Software
PB168676BS	PD089279.D	gamma-BHC (Lindane) #2	Abdul	7/2/2025 8:58:23 AM	 	 	Peak Integrated by Software
PB168676BS	PD089279.D	gamma-Chlordane #2	Abdul	7/2/2025 8:58:23 AM	 	 	Peak Integrated by Software
PB168676BS	PD089279.D	Heptachlor epoxide #2	Abdul	7/2/2025 8:58:23 AM	 	 	Peak Integrated by Software
PB168676BS	PD089279.D	Mirex #2	Abdul	7/2/2025 8:58:23 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	pd070225	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2409-02MS	PD089282.D	alpha-BHC #2	Abdul	7/2/2025 8:58:26 AM	 	 	Peak Integrated by Software
Q2409-02MS	PD089282.D	delta-BHC	Abdul	7/2/2025 8:58:26 AM	 	 	Peak Integrated by Software
Q2409-02MS	PD089282.D	gamma-BHC (Lindane)	Abdul	7/2/2025 8:58:26 AM	 	 	Peak Integrated by Software
Q2409-02MS	PD089282.D	gamma-BHC (Lindane) #2	Abdul	7/2/2025 8:58:26 AM	 	 	Peak Integrated by Software
Q2409-02MS	PD089282.D	Tetrachloro-m-xylene #2	Abdul	7/2/2025 8:58:26 AM	 	 	Peak Integrated by Software
Q2409-02MSD	PD089283.D	alpha-BHC #2	Abdul	7/2/2025 8:58:30 AM	 	 	Peak Integrated by Software
Q2409-02MSD	PD089283.D	delta-BHC	Abdul	7/2/2025 8:58:30 AM	 	 	Peak Integrated by Software
Q2409-02MSD	PD089283.D	gamma-BHC (Lindane) #2	Abdul	7/2/2025 8:58:30 AM	 	 	Peak Integrated by Software
Q2409-02MSD	PD089283.D	Tetrachloro-m-xylene #2	Abdul	7/2/2025 8:58:30 AM	 	 	Peak Integrated by Software
PEM	PD089288.D	4,4"-DDE #2	Abdul	7/2/2025 8:58:39 AM	 	 	Peak Integrated by Software
PEM	PD089288.D	Endrin	Abdul	7/2/2025 8:58:39 AM	 	 	Peak Integrated by Software
PEM	PD089288.D	gamma-BHC (Lindane) #2	Abdul	7/2/2025 8:58:39 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089289.D	Dieldrin #2	Abdul	7/2/2025 8:58:43 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

pd070225

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD089289.D	gamma-Chlordane #2	Abdul	7/2/2025 8:58:43 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089289.D	Heptachlor epoxide #2	Abdul	7/2/2025 8:58:43 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089299.D	Dieldrin #2	Abdul	7/2/2025 8:59:24 AM	 	 	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM
SubDirectory	PD061825	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088989.D	17 Jun 2025 14:58	AR\AJ	Ok
2	I.BLK	PD088990.D	17 Jun 2025 15:11	AR\AJ	Ok
3	PEM	PD088991.D	17 Jun 2025 15:25	AR\AJ	Ok,M
4	RESCHK	PD088992.D	17 Jun 2025 15:39	AR\AJ	Ok
5	PSTDICC100	PD088993.D	17 Jun 2025 15:52	AR\AJ	Ok
6	PSTDICC075	PD088994.D	17 Jun 2025 16:06	AR\AJ	Ok
7	PSTDICC050	PD088995.D	17 Jun 2025 16:20	AR\AJ	Ok
8	PSTDICC025	PD088996.D	17 Jun 2025 16:33	AR\AJ	Ok,M
9	PSTDICC005	PD088997.D	17 Jun 2025 16:47	AR\AJ	Ok,M
10	PCHLORICC1000	PD088998.D	17 Jun 2025 17:00	AR\AJ	Ok
11	PCHLORICC750	PD088999.D	17 Jun 2025 17:14	AR\AJ	Ok
12	PCHLORICC500	PD089000.D	17 Jun 2025 17:28	AR\AJ	Ok
13	PCHLORICC250	PD089001.D	17 Jun 2025 17:41	AR\AJ	Ok
14	PCHLORICC050	PD089002.D	17 Jun 2025 17:55	AR\AJ	Ok
15	PTOXICC1000	PD089003.D	17 Jun 2025 18:09	AR\AJ	Ok
16	PTOXICC750	PD089004.D	17 Jun 2025 18:22	AR\AJ	Ok
17	PTOXICC500	PD089005.D	17 Jun 2025 18:36	AR\AJ	Ok
18	PTOXICC250	PD089006.D	17 Jun 2025 18:50	AR\AJ	Ok
19	PTOXICC100	PD089007.D	17 Jun 2025 19:03	AR\AJ	Ok,M
20	PSTDICV050	PD089008.D	17 Jun 2025 19:17	AR\AJ	Ok
21	PCHLORICV500	PD089009.D	17 Jun 2025 19:31	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM
SubDirectory	PD061825	HP Acquire Method	HP Processing Method pd061825 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	PD089010.D	17 Jun 2025 19:44	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070225

Review By	Abdul	Review On	7/2/2025 9:00:09 AM
Supervise By		Supervise On	
SubDirectory	PD070225	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089263.D	01 Jul 2025 11:46	AR\AJ	Ok
2	I.BLK	PD089264.D	01 Jul 2025 11:59	AR\AJ	Ok
3	PEM	PD089265.D	01 Jul 2025 12:13	AR\AJ	Ok,NS
4	PSTDCCC050	PD089266.D	01 Jul 2025 13:35	AR\AJ	Ok,NS
5	Q2447-04	PD089267.D	01 Jul 2025 13:52	AR\AJ	Ok,NS
6	Q2447-06	PD089268.D	01 Jul 2025 14:06	AR\AJ	Ok
7	PB168655BL	PD089269.D	01 Jul 2025 14:19	AR\AJ	Ok,NS
8	PB168672BL	PD089270.D	01 Jul 2025 14:33	AR\AJ	Ok
9	PB168672BS	PD089271.D	01 Jul 2025 14:47	AR\AJ	Not Ok
10	Q2464-01	PD089272.D	01 Jul 2025 15:00	AR\AJ	Ok,NS
11	Q2459-01	PD089273.D	01 Jul 2025 15:14	AR\AJ	Ok,NS
12	Q2469-01	PD089274.D	01 Jul 2025 15:28	AR\AJ	Ok,NS
13	PB168672BS	PD089275.D	01 Jul 2025 16:23	AR\AJ	Ok,NS
14	I.BLK	PD089276.D	01 Jul 2025 16:37	AR\AJ	Ok
15	PSTDCCC050	PD089277.D	01 Jul 2025 16:50	AR\AJ	Ok,NS
16	PB168676BL	PD089278.D	01 Jul 2025 17:04	AR\AJ	Ok
17	PB168676BS	PD089279.D	01 Jul 2025 17:18	AR\AJ	Ok,NS
18	PB168571TB	PD089280.D	01 Jul 2025 17:32	AR\AJ	Ok
19	Q2409-02	PD089281.D	01 Jul 2025 17:45	AR\AJ	Ok
20	Q2409-02MS	PD089282.D	01 Jul 2025 17:59	AR\AJ	Ok,NS
21	Q2409-02MSD	PD089283.D	01 Jul 2025 18:13	AR\AJ	Ok,NS

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070225

Review By	Abdul	Review On	7/2/2025 9:00:09 AM
Supervise By		Supervise On	
SubDirectory	PD070225	HP Acquire Method	HP Processing Method pd061825 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	Q2458-01	PD089284.D	01 Jul 2025 18:26	AR\AJ	Ok,NS
23	Q2458-02	PD089285.D	01 Jul 2025 18:40	AR\AJ	Ok
24	Q2458-03	PD089286.D	01 Jul 2025 18:53	AR\AJ	Ok,NS
25	I.BLK	PD089287.D	01 Jul 2025 19:07	AR\AJ	Ok
26	PEM	PD089288.D	01 Jul 2025 19:21	AR\AJ	Ok,NS
27	PSTDCCC050	PD089289.D	01 Jul 2025 19:34	AR\AJ	Ok,NS
28	Q2458-04	PD089290.D	01 Jul 2025 20:15	AR\AJ	Ok,NS
29	Q2458-04MS	PD089291.D	01 Jul 2025 20:29	AR\AJ	Ok,NS
30	Q2458-04MSD	PD089292.D	01 Jul 2025 20:43	AR\AJ	Ok,NS
31	Q2458-05	PD089293.D	01 Jul 2025 20:57	AR\AJ	Ok,NS
32	Q2458-06	PD089294.D	01 Jul 2025 21:10	AR\AJ	Ok,NS
33	Q2458-07	PD089295.D	01 Jul 2025 21:24	AR\AJ	Ok,NS
34	Q2458-08	PD089296.D	01 Jul 2025 21:37	AR\AJ	Ok,NS
35	Q2458-09	PD089297.D	01 Jul 2025 21:51	AR\AJ	Ok,NS
36	I.BLK	PD089298.D	01 Jul 2025 22:05	AR\AJ	Ok
37	PSTDCCC050	PD089299.D	01 Jul 2025 22:59	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM
SubDirectory	PD061825	HP Acquire Method	HP Processing Method pd061825 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	PD088989.D	17 Jun 2025 14:58		AR\AJ	Ok
2	I.BLK	I.BLK	PD088990.D	17 Jun 2025 15:11		AR\AJ	Ok
3	PEM	PEM	PD088991.D	17 Jun 2025 15:25		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088992.D	17 Jun 2025 15:39		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088993.D	17 Jun 2025 15:52		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD088994.D	17 Jun 2025 16:06		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088995.D	17 Jun 2025 16:20		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088996.D	17 Jun 2025 16:33		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PD088997.D	17 Jun 2025 16:47		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088998.D	17 Jun 2025 17:00		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088999.D	17 Jun 2025 17:14		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089000.D	17 Jun 2025 17:28		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089001.D	17 Jun 2025 17:41		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089002.D	17 Jun 2025 17:55		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089003.D	17 Jun 2025 18:09		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089004.D	17 Jun 2025 18:22		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089005.D	17 Jun 2025 18:36		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089006.D	17 Jun 2025 18:50		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM
SubDirectory	PD061825	HP Acquire Method	HP Processing Method
			pd061825 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	PD089007.D	17 Jun 2025 19:03		AR\AJ	Ok,M
20	PSTDICV050	ICVPD061825	PD089008.D	17 Jun 2025 19:17		AR\AJ	Ok
21	PCHLORICV500	ICVPD061825CHLOR	PD089009.D	17 Jun 2025 19:31		AR\AJ	Ok
22	PTOXICV500	ICVPD061825TOX	PD089010.D	17 Jun 2025 19:44		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070225

Review By	Abdul	Review On	7/2/2025 9:00:09 AM
Supervise By		Supervise On	
SubDirectory	PD070225	HP Acquire Method	HP Processing Method pd061825 8081

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089263.D	01 Jul 2025 11:46		AR\AJ	Ok
2	I.BLK	I.BLK	PD089264.D	01 Jul 2025 11:59		AR\AJ	Ok
3	PEM	PEM	PD089265.D	01 Jul 2025 12:13		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PD089266.D	01 Jul 2025 13:35		AR\AJ	Ok,NS
5	Q2447-04	COMP-2	PD089267.D	01 Jul 2025 13:52	check cleanup	AR\AJ	Ok,NS
6	Q2447-06	LAW-25-0100	PD089268.D	01 Jul 2025 14:06	check cleanup	AR\AJ	Ok
7	PB168655BL	PB168655BL	PD089269.D	01 Jul 2025 14:19		AR\AJ	Ok,NS
8	PB168672BL	PB168672BL	PD089270.D	01 Jul 2025 14:33		AR\AJ	Ok
9	PB168672BS	PB168672BS	PD089271.D	01 Jul 2025 14:47	Surrogate and some compounds recovery fail	AR\AJ	Not Ok
10	Q2464-01	OR-3-063025	PD089272.D	01 Jul 2025 15:00		AR\AJ	Ok,NS
11	Q2459-01	TP-1	PD089273.D	01 Jul 2025 15:14		AR\AJ	Ok,NS
12	Q2469-01	WC-1	PD089274.D	01 Jul 2025 15:28		AR\AJ	Ok,NS
13	PB168672BS	PB168672BS	PD089275.D	01 Jul 2025 16:23		AR\AJ	Ok,NS
14	I.BLK	I.BLK	PD089276.D	01 Jul 2025 16:37		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PD089277.D	01 Jul 2025 16:50		AR\AJ	Ok,NS
16	PB168676BL	PB168676BL	PD089278.D	01 Jul 2025 17:04		AR\AJ	Ok
17	PB168676BS	PB168676BS	PD089279.D	01 Jul 2025 17:18		AR\AJ	Ok,NS

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070225

Review By	Abdul	Review On	7/2/2025 9:00:09 AM
Supervise By		Supervise On	
SubDirectory	PD070225	HP Acquire Method	HP Processing Method pd061825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PB168571TB	PB168571TB	PD089280.D	01 Jul 2025 17:32		AR\AJ	Ok
19	Q2409-02	COP-SOIL-PILE	PD089281.D	01 Jul 2025 17:45		AR\AJ	Ok
20	Q2409-02MS	COP-SOIL-PILEMS	PD089282.D	01 Jul 2025 17:59		AR\AJ	Ok,NS
21	Q2409-02MSD	COP-SOIL-PILEMSD	PD089283.D	01 Jul 2025 18:13		AR\AJ	Ok,NS
22	Q2458-01	TP-76	PD089284.D	01 Jul 2025 18:26		AR\AJ	Ok,NS
23	Q2458-02	TP-55	PD089285.D	01 Jul 2025 18:40		AR\AJ	Ok
24	Q2458-03	TP-68	PD089286.D	01 Jul 2025 18:53		AR\AJ	Ok,NS
25	I.BLK	I.BLK	PD089287.D	01 Jul 2025 19:07		AR\AJ	Ok
26	PEM	PEM	PD089288.D	01 Jul 2025 19:21		AR\AJ	Ok,NS
27	PSTDCCC050	PSTDCCC050	PD089289.D	01 Jul 2025 19:34		AR\AJ	Ok,NS
28	Q2458-04	TP-67	PD089290.D	01 Jul 2025 20:15		AR\AJ	Ok,NS
29	Q2458-04MS	TP-67MS	PD089291.D	01 Jul 2025 20:29		AR\AJ	Ok,NS
30	Q2458-04MSD	TP-67MSD	PD089292.D	01 Jul 2025 20:43		AR\AJ	Ok,NS
31	Q2458-05	TP-66	PD089293.D	01 Jul 2025 20:57		AR\AJ	Ok,NS
32	Q2458-06	TP-60	PD089294.D	01 Jul 2025 21:10		AR\AJ	Ok,NS
33	Q2458-07	TP-62	PD089295.D	01 Jul 2025 21:24		AR\AJ	Ok,NS
34	Q2458-08	TP-63	PD089296.D	01 Jul 2025 21:37		AR\AJ	Ok,NS
35	Q2458-09	TP-59	PD089297.D	01 Jul 2025 21:51		AR\AJ	Ok,NS
36	I.BLK	I.BLK	PD089298.D	01 Jul 2025 22:05		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070225

Review By	Abdul	Review On	7/2/2025 9:00:09 AM
Supervise By		Supervise On	
SubDirectory	PD070225	HP Acquire Method	HP Processing Method pd061825 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			

37	PSTDCCC050	PSTDCCC050	PD089299.D	01 Jul 2025 22:59		AR/AJ	Ok,NS
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M : Manual Integration

SOP ID :	M1311-TCLP-16	
SDG No :	N/A	Start Prep Date : 06/24/2025 Time : 15:30
Weigh By :	JP	End Prep Date : 06/25/2025 Time : 08:38
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : <u>78</u>
Extraction By :	JP	Initial Room Temperature: 23 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pippete ID :	WC	TCLP Technician Signature : <u>78</u>
Tumbler ID :	T-1	Supervisor By : <u>12</u>
TCLP Filter ID :	115525	

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	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:

Martrix spikes are added after filtration and before preservation. TUMBLER T-1 checked,30 rpm. Particle size reduction is not required. q2409-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/25/25 11:00	<u>78</u> <u>1CC-PH00m</u>	<u>SIS- RS</u> <u>1M4 D14</u>
	Preparation Group	Analysis Group <u>2EXT-00P</u>

TCLP EXTRACTION LOGPAGE

PB168571

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
PB168571TB	LEB571	10	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2386-02	SU-1-062025	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2388-04	TP-12	02	100.02	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q2389-04	MH-J-I	03	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2391-01	AUD-1623	04	100.01	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q2394-04	MH-K/L	05	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2399-04	TP-13	06	100.03	2000	N/A	N/A	N/A	6.8	1.5	T-1
Q2399-08	EP-13	07	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q2405-04	MH-M/N	08	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2409-02	COP-SOIL-PILE	09	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168571TB	LEB571	N/A	N/A	N/A	N/A	N/A	N/A
Q2386-02	SU-1-062025	N/A	N/A	N/A	N/A	100	N/A
Q2388-04	TP-12	N/A	N/A	N/A	N/A	100	N/A
Q2389-04	MH-J-I	N/A	N/A	N/A	N/A	100	N/A
Q2391-01	AUD-1623	N/A	N/A	N/A	N/A	100	N/A
Q2394-04	MH-K/L	N/A	N/A	N/A	N/A	100	N/A
Q2399-04	TP-13	N/A	N/A	N/A	N/A	100	N/A
Q2399-08	EP-13	N/A	N/A	N/A	N/A	100	N/A
Q2405-04	MH-M/N	N/A	N/A	N/A	N/A	100	N/A
Q2409-02	COP-SOIL-PILE	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
PB168571TB	LEB571	N/A	N/A	N/A	N/A	#1	4.93
Q2386-02	SU-1-062025	5.02	96.5	7.6	2.5	#1	4.93
Q2388-04	TP-12	5.01	96.5	8.2	3.0	#1	4.93
Q2389-04	MH-J-I	5.02	96.5	7.0	2.0	#1	4.93
Q2391-01	AUD-1623	5.03	96.5	9.1	4.0	#1	4.93
Q2394-04	MH-K/L	5.01	96.5	5.6	1.5	#1	4.93
Q2399-04	TP-13	5.02	96.5	8.4	3.0	#1	4.93
Q2399-08	EP-13	5.03	96.5	9.1	4.0	#1	4.93
Q2405-04	MH-M/N	5.02	96.5	5.5	1.5	#1	4.93
Q2409-02	COP-SOIL-PILE	5.02	96.5	8.0	2.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

uf

WorkList Name : tclp q2401

WorkList ID : 190354

Department : TCLP Extraction

Date : 06-24-2025 12:49:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2386-02	SU-1-062025	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311
Q2388-04	TP-12	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311
Q2389-04	MH-J-I	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311
Q2391-01	AUD-1623	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	06/20/2025	1311
Q2394-04	MH-K/L	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311
Q2399-04	TP-13	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	A41	06/23/2025	1311
Q2399-08	EP-13	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	A41	06/23/2025	1311
Q2405-04	MH-M/N	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	06/24/2025	1311
Q2409-02	COP-SOIL-PILE	Solid	TCLP Extraction	Cool 4 deg C	COPP02	D51	06/24/2025	1311

Date/Time 06/24/25 14:45

Raw Sample Received by: SB (WCC)

Raw Sample Relinquished by: [Signature]

Date/Time 06/24/25 18:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

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

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A **Extraction By:** RS

Balance check: N/A **Filter By:** RS

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3880 **Hood ID:** 4,6,7

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

Extraction Start Date : 07/01/2025

Extraction Start Time : 09:19

Extraction End Date : 07/01/2025

Extraction End Time : 13:55

Concentration By: EH

Supervisor By : RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3943
Baked Na2SO4	N/A	EP2624
Hexane	N/A	E3947
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

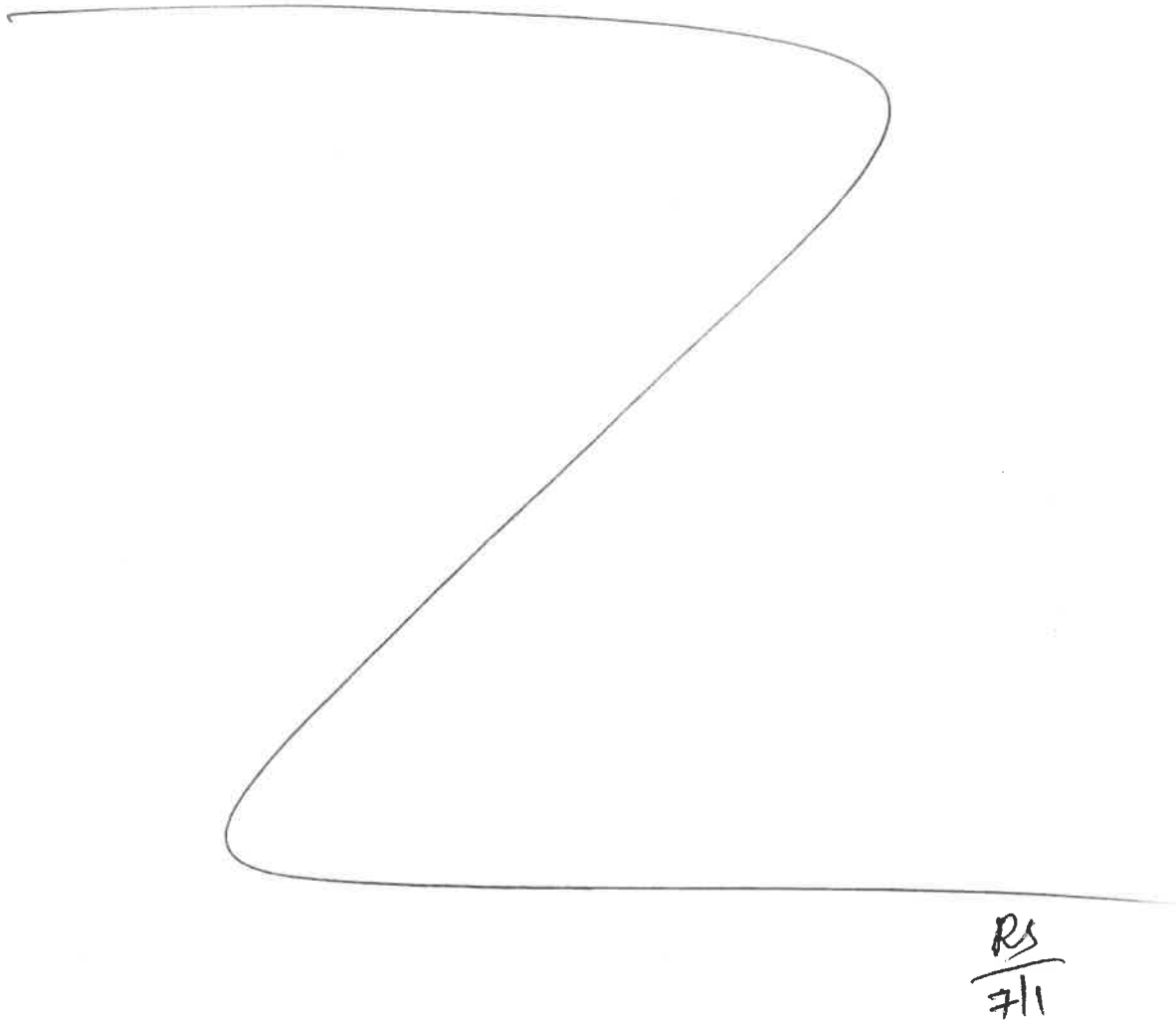
KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/1/25	RS (04-04)	RS (04-04)
14:00	Preparation Group	Analysis Group

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

Concentration Date: 07/01/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168571TB	PB168571TB	TCLP PesticideGroup1	100	6	RUPESH	ritesh	10			SEP-1
PB168676BL	PBLK676	TCLP PesticideGroup1	1000	6	RUPESH	ritesh	10			2
PB168676BS	PLCS676	TCLP PesticideGroup1	1000	6	RUPESH	ritesh	10			3
Q2409-02	COP-SOIL-PILE	TCLP PesticideGroup1	100	6	RUPESH	ritesh	10	A		4
Q2409-02MS	COP-SOIL-PILEMS	TCLP PesticideGroup1	100	6	RUPESH	ritesh	10	A		5
Q2409-02MS D	COP-SOIL-PILEMSD	TCLP PesticideGroup1	100	6	RUPESH	ritesh	10	A		6



RS
7/1

TCLP EXTRACTION LOGPAGE

PB168571

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
PB168571TB	LEB571	10	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2386-02	SU-1-062025	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2388-04	TP-12	02	100.02	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q2389-04	MH-J-I	03	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2391-01	AUD-1623	04	100.01	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q2394-04	MH-K/L	05	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2399-04	TP-13	06	100.03	2000	N/A	N/A	N/A	6.8	1.5	T-1
Q2399-08	EP-13	07	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q2405-04	MH-M/N	08	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2409-02	COP-SOIL-PILE	09	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1

06/25/25
11:00



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Coppola Services

ADDRESS: 355 Fowser Rd

CITY: Millville STATE: NJ ZIP:

ATTENTION: Jeffrey Simpkins

PHONE: FAX:

PROJECT NAME: Coppla Services

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

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

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. TCLP VOA
2. Corrosivity
3. Ignitability
4. Reactive CN
5. Reactive Sulfide
6. TCLP Metals + Cadmium
7. TCLP BNA / TVS
8. TCLP Residues (GCL)
9. TPH GC

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	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	Cop-Soil Pile	Soil		X	6-24-25	858	2	X									1.2 ppm	
2.	Cop-Soil Pile		X			904	6		X	X	X	X	X	X	X	X		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 9:25 6-24-25	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 1:43 6-24-25	RECEIVED BY: 3. [Signature]	Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO



Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Coppola Services

Chemtech Order ID: _____

Service Order #: _____

Sampler Name: JT

Work Order #: _____

Client Project Coordinator & Phone:
Jeffrey Simpkins

Labor WBS #: _____

Page #: 1 of 1

Facility/Site: Sewage Utility of Millville

Site Address: 355 Fowler Rd

Arrive Date: 6-24-25

Millville NJ

Arrive Time: 845

Depart Time: 925

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Soil / NAPL / Concrete / Wipe

Collection Depths: NA

Temp (range): 3.8 °C PID Readings (range): 1, 2 PPM Dimensions/CY: 14 x 11 x 5

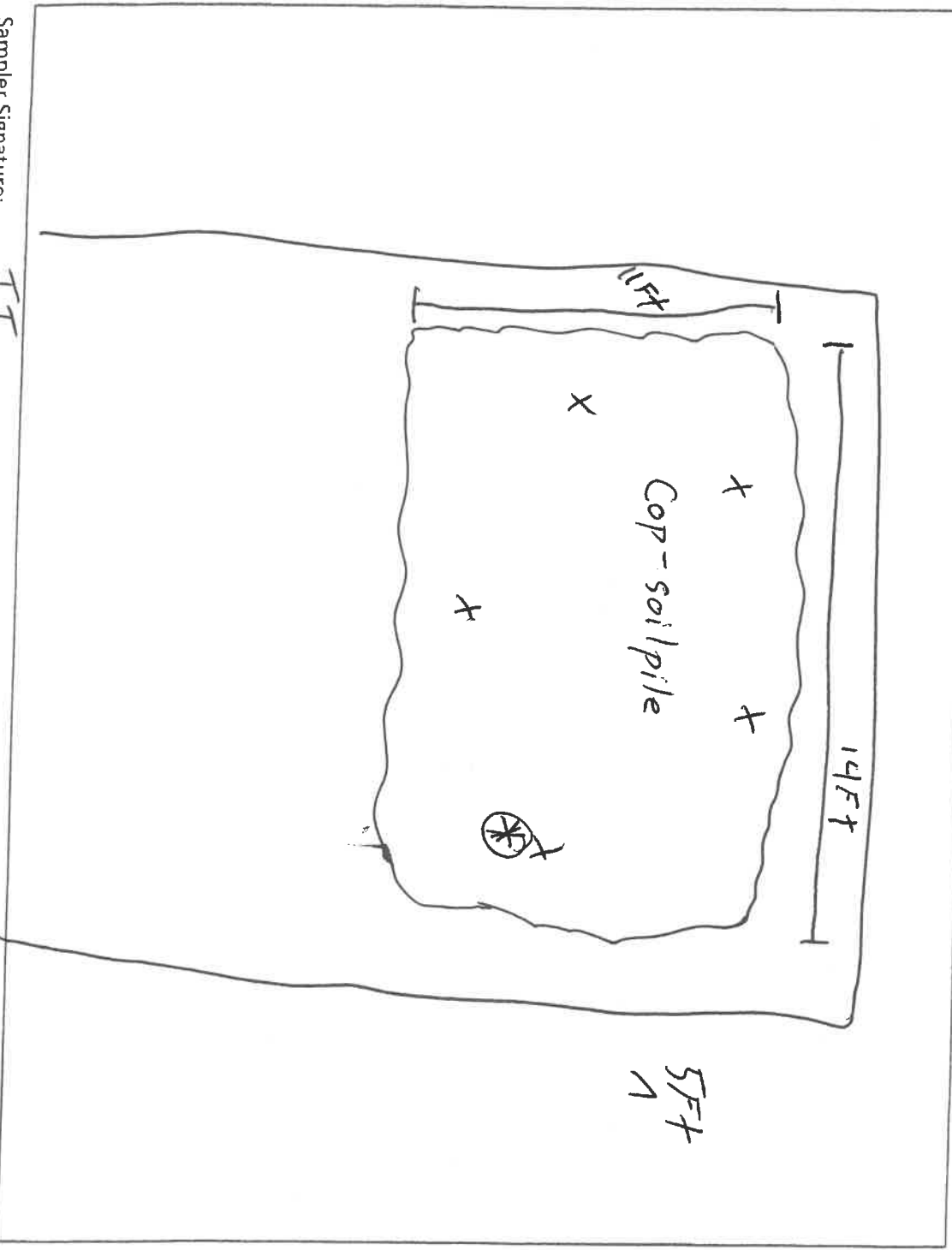
Sample Description: Dry grayish soil - some Rocks

Odor: Y / 0 Color: Y / 0

Field Observations: 1 small soil pile

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: JT

Supervisor Review/Date: _____

Client Signature: _____

Date/Time Arrived at Lab: _____

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