

Cover Page

Order ID : Q2928

Project ID : Residential Soil Testing

Client : Hero Construction

Lab Sample Number

Q2928-01
Q2928-02

Client Sample Number

27-BELL
27-BELL

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

Signature : _____

Date: 8/28/2025

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 #: Q2928

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 08/28/2025

LAB CHRONICLE

OrderID:	Q2928	OrderDate:	8/21/2025 12:10:14 PM
Client:	Hero Construction	Project:	Residential Soil Testing
Contact:	Khadija Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-01	27-BELL	SOIL	PCB	8082A	08/21/25	08/22/25	08/22/25	08/21/25
			Pesticide-TCL	8081B		08/22/25	08/22/25	

Hit Summary Sheet
SW-846

SDG No.: Q2928

Order ID: Q2928

Client: Hero Construction

Project ID: Residential Soil Testing

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 27-BELL								
Q2928-01	27-BELL	SOIL	4,4-DDE	0.75	JP	0.16	2.00	ug/kg
Q2928-01	27-BELL	SOIL	4,4-DDT	1.20	JP	0.16	2.00	ug/kg
Q2928-01	27-BELL	SOIL	alpha-Chlordane	27.7	P	0.14	2.00	ug/kg
Q2928-01	27-BELL	SOIL	gamma-Chlordane	19.6		0.18	2.00	ug/kg
Total Concentration:				49.250				



QC SUMMARY

Surrogate Summary

SDG No.: Q2928

Client: Hero Construction

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD089961.D	PIBLK-PD089961.D	Decachlorobiphen	1	20	19.3	96		57	171
		Tetrachloro-m-xyl	1	20	17.4	87		61	148
		Decachlorobiphen	2	20	18.3	91		57	171
		Tetrachloro-m-xyl	2	20	17.5	88		61	148
I.BLK-PD089983.D	PIBLK-PD089983.D	Decachlorobiphen	1	20	20.6	103		57	171
		Tetrachloro-m-xyl	1	20	18.7	94		61	148
		Decachlorobiphen	2	20	21.4	107		57	171
		Tetrachloro-m-xyl	2	20	20.2	101		61	148
I.BLK-PD090004.D	PIBLK-PD090004.D	Decachlorobiphen	1	20	23.6	118		57	171
		Tetrachloro-m-xyl	1	20	21.6	108		61	148
		Decachlorobiphen	2	20	25.0	125		57	171
		Tetrachloro-m-xyl	2	20	23.3	116		61	148
PB169360BL	PB169360BL	Decachlorobiphen	1	20	19.8	99		20	144
		Tetrachloro-m-xyl	1	20	17.8	89		19	148
		Decachlorobiphen	2	20	20.9	105		20	144
		Tetrachloro-m-xyl	2	20	19.1	95		19	148
PB169360BS	PB169360BS	Decachlorobiphen	1	20	21.4	107		20	144
		Tetrachloro-m-xyl	1	20	19.0	95		19	148
		Decachlorobiphen	2	20	22.6	113		20	144
		Tetrachloro-m-xyl	2	20	21.7	108		19	148
I.BLK-PD090013.D	PIBLK-PD090013.D	Decachlorobiphen	1	20	19.9	100		57	171
		Tetrachloro-m-xyl	1	20	20.9	105		61	148
		Decachlorobiphen	2	20	14.1	71		57	171
		Tetrachloro-m-xyl	2	20	22.4	112		61	148
Q2915-01MS	BRIDGE-WESTMS	Decachlorobiphen	1	20	12.0	60		20	144
		Tetrachloro-m-xyl	1	20	14.3	71		19	148
		Decachlorobiphen	2	20	9.47	47		20	144
		Tetrachloro-m-xyl	2	20	15.5	77		19	148
Q2915-01MSD	BRIDGE-WESTMSD	Decachlorobiphen	1	20	10.4	52		20	144
		Tetrachloro-m-xyl	1	20	14.9	75		19	148
		Decachlorobiphen	2	20	9.87	49		20	144
		Tetrachloro-m-xyl	2	20	15.6	78		19	148
Q2928-01	27-BELL	Decachlorobiphen	1	20	19.3	96		20	144
		Tetrachloro-m-xyl	1	20	17.2	86		19	148
		Decachlorobiphen	2	20	12.6	63		20	144
		Tetrachloro-m-xyl	2	20	17.7	88		19	148
I.BLK-PD090024.D	PIBLK-PD090024.D	Decachlorobiphen	1	20	22.6	113		57	171
		Tetrachloro-m-xyl	1	20	21.7	109		61	148
		Decachlorobiphen	2	20	18.9	95		57	171
		Tetrachloro-m-xyl	2	20	22.8	114		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2928</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Hero Construction</u>	DataFile :	<u>PD090020.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result								High	RPD
Lab Sample ID:	Q2915-01MS (Column 1)	Client Sample ID:		BRIDGE-WESTMS								
	alpha-BHC	18.87	0	17.1	ug/kg	91				60	144	
	beta-BHC	18.87	0	16.5	ug/kg	87				54	143	
	delta-BHC	18.87	0	15.0	ug/kg	79				29	151	
	gamma-BHC (Lindane)	18.87	0	16.4	ug/kg	87				61	140	
	Heptachlor	18.87	0	15.3	ug/kg	81				63	135	
	Aldrin	18.87	0	17.0	ug/kg	90				49	139	
	Heptachlor epoxide	18.87	0	16.5	ug/kg	87				41	156	
	Endosulfan I	18.87	0	16.2	ug/kg	86				56	142	
	Dieldrin	18.87	0	16.0	ug/kg	85				47	161	
	4,4'-DDE	18.87	0	16.4	ug/kg	87				55	136	
	Endrin	18.87	0	15.9	ug/kg	84				57	139	
	Endosulfan II	18.87	0	15.2	ug/kg	81				40	163	
	4,4'-DDD	18.87	0	16.2	ug/kg	86				47	163	
	Endosulfan sulfate	18.87	0	14.5	ug/kg	77				62	139	
	4,4'-DDT	18.87	0	13.7	ug/kg	73				51	146	
	Methoxychlor	18.87	0	13.7	ug/kg	73				54	136	
	Endrin ketone	18.87	0	14.4	ug/kg	76				60	129	
	Endrin aldehyde	18.87	0	17.6	ug/kg	93				59	132	
	alpha-Chlordane	18.87	0	16.1	ug/kg	85				39	166	
	gamma-Chlordane	18.87	0	16.4	ug/kg	87				44	175	
Lab Sample ID:	Q2915-01MS (Column 2)	Client Sample ID:		BRIDGE-WESTMS								
	alpha-BHC	18.87	0	17.0	ug/kg	90				60	144	
	beta-BHC	18.87	0	17.2	ug/kg	91				54	143	
	delta-BHC	18.87	0	14.2	ug/kg	75				29	151	
	gamma-BHC (Lindane)	18.87	0	16.6	ug/kg	88				61	140	
	Heptachlor	18.87	0	15.6	ug/kg	83				63	135	
	Aldrin	18.87	0	17.2	ug/kg	91				49	139	
	Heptachlor epoxide	18.87	0	16.9	ug/kg	90				41	156	
	Endosulfan I	18.87	0	16.8	ug/kg	89				56	142	
	Dieldrin	18.87	0	16.6	ug/kg	88				47	161	
	4,4'-DDE	18.87	0	16.9	ug/kg	90				55	136	
	Endrin	18.87	0	16.5	ug/kg	87				57	139	
	Endosulfan II	18.87	0	15.9	ug/kg	84				40	163	
	4,4'-DDD	18.87	0	15.7	ug/kg	83				47	163	
	Endosulfan sulfate	18.87	0	14.5	ug/kg	77				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2928</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Hero Construction</u>	DataFile :	<u>PD090020.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits	RPD
		Result	Result			Qual	RPD	Qual	Low	High
4,4'-DDT	18.87	0	14.0	ug/kg	74				51	146
Methoxychlor	18.87	0	13.3	ug/kg	70				54	136
Endrin ketone	18.87	0	14.0	ug/kg	74				60	129
Endrin aldehyde	18.87	0	17.1	ug/kg	91				59	132
alpha-Chlordane	18.87	0	16.9	ug/kg	90				39	166
gamma-Chlordane	18.87	0	17.1	ug/kg	91				44	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2928</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Hero Construction</u>	DataFile :	<u>PD090021.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits		
			Result				Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2915-01MSD (Column 1)	Client Sample ID:		BRIDGE-WESTMSD								
	alpha-BHC	18.88	0	17.7	ug/kg	94		3		60	144	20
	beta-BHC	18.88	0	17.1	ug/kg	91		4		54	143	20
	delta-BHC	18.88	0	15.5	ug/kg	82		4		29	151	20
	gamma-BHC (Lindane)	18.88	0	16.9	ug/kg	90		3		61	140	20
	Heptachlor	18.88	0	15.8	ug/kg	84		4		63	135	20
	Aldrin	18.88	0	17.6	ug/kg	93		3		49	139	20
	Heptachlor epoxide	18.88	0	17.1	ug/kg	91		4		41	156	20
	Endosulfan I	18.88	0	17.0	ug/kg	90		5		56	142	20
	Dieldrin	18.88	0	16.8	ug/kg	89		5		47	161	20
	4,4'-DDE	18.88	0	17.7	ug/kg	94		8		55	136	20
	Endrin	18.88	0	16.6	ug/kg	88		5		57	139	20
	Endosulfan II	18.88	0	16.0	ug/kg	85		5		40	163	20
	4,4'-DDD	18.88	0	17.1	ug/kg	91		6		47	163	20
	Endosulfan sulfate	18.88	0	14.8	ug/kg	78		1		62	139	20
	4,4'-DDT	18.88	0	13.1	ug/kg	69		6		51	146	20
	Methoxychlor	18.88	0	12.7	ug/kg	67		9		54	136	20
	Endrin ketone	18.88	0	14.9	ug/kg	79		4		60	129	20
	Endrin aldehyde	18.88	0	15.9	ug/kg	84		10		59	132	20
	alpha-Chlordane	18.88	0	16.9	ug/kg	90		6		39	166	20
	gamma-Chlordane	18.88	0	17.2	ug/kg	91		4		44	175	20
Lab Sample ID:	Q2915-01MSD (Column 2)	Client Sample ID:		BRIDGE-WESTMSD								
	alpha-BHC	18.88	0	17.3	ug/kg	92		2		60	144	20
	beta-BHC	18.88	0	17.6	ug/kg	93		2		54	143	20
	delta-BHC	18.88	0	14.5	ug/kg	77		3		29	151	20
	gamma-BHC (Lindane)	18.88	0	16.9	ug/kg	90		2		61	140	20
	Heptachlor	18.88	0	15.8	ug/kg	84		1		63	135	20
	Aldrin	18.88	0	17.7	ug/kg	94		3		49	139	20
	Heptachlor epoxide	18.88	0	17.4	ug/kg	92		2		41	156	20
	Endosulfan I	18.88	0	17.3	ug/kg	92		3		56	142	20
	Dieldrin	18.88	0	17.1	ug/kg	91		3		47	161	20
	4,4'-DDE	18.88	0	17.5	ug/kg	93		3		55	136	20
	Endrin	18.88	0	17.1	ug/kg	91		4		57	139	20
	Endosulfan II	18.88	0	16.4	ug/kg	87		4		40	163	20
	4,4'-DDD	18.88	0	16.3	ug/kg	86		4		47	163	20
	Endosulfan sulfate	18.88	0	14.9	ug/kg	79		3		62	139	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2928</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Hero Construction</u>	DataFile :	<u>PD090021.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	18.88	0	14.4	ug/kg	76		3		51	146	20
Methoxychlor	18.88	0	13.5	ug/kg	72		3		54	136	20
Endrin ketone	18.88	0	14.6	ug/kg	77		4		60	129	20
Endrin aldehyde	18.88	0	16.5	ug/kg	87		4		59	132	20
alpha-Chlordane	18.88	0	17.4	ug/kg	92		2		39	166	20
gamma-Chlordane	18.88	0	17.6	ug/kg	93		2		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2928	Analytical Method:	8081B
Client:	Hero Construction	Datafile :	PD090008.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169360BS (Column 1)	alpha-BHC	16.65	15.5	ug/kg	93				84	123	
	beta-BHC	16.65	14.9	ug/kg	89				82	123	
	delta-BHC	16.65	16.9	ug/kg	102				83	126	
	gamma-BHC (Lindane)	16.65	15.5	ug/kg	93				83	125	
	Heptachlor	16.65	15.8	ug/kg	95				83	122	
	Aldrin	16.65	15.6	ug/kg	94				82	124	
	Heptachlor epoxide	16.65	15.5	ug/kg	93				83	120	
	Endosulfan I	16.65	15.6	ug/kg	94				81	124	
	Dieldrin	16.65	15.7	ug/kg	94				85	121	
	4,4'-DDE	16.65	15.7	ug/kg	94				81	123	
	Endrin	16.65	15.5	ug/kg	93				76	130	
	Endosulfan II	16.65	14.8	ug/kg	89				80	125	
	4,4'-DDD	16.65	15.8	ug/kg	95				80	131	
	Endosulfan sulfate	16.65	15.5	ug/kg	93				81	122	
	4,4'-DDT	16.65	15.7	ug/kg	94				70	129	
	Methoxychlor	16.65	15.2	ug/kg	91				60	119	
	Endrin ketone	16.65	15.7	ug/kg	94				77	132	
	Endrin aldehyde	16.65	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.65	15.5	ug/kg	93				84	120	
	gamma-Chlordane	16.65	15.6	ug/kg	94				83	122	
PB169360BS (Column 2)	alpha-BHC	16.65	15.8	ug/kg	95				84	123	
	beta-BHC	16.65	15.8	ug/kg	95				82	123	
	delta-BHC	16.65	15.9	ug/kg	95				83	126	
	gamma-BHC (Lindane)	16.65	15.9	ug/kg	95				83	125	
	Heptachlor	16.65	15.8	ug/kg	95				83	122	
	Aldrin	16.65	16.0	ug/kg	96				82	124	
	Heptachlor epoxide	16.65	16.0	ug/kg	96				83	120	
	Endosulfan I	16.65	16.1	ug/kg	97				81	124	
	Dieldrin	16.65	15.9	ug/kg	95				85	121	
	4,4'-DDE	16.65	16.0	ug/kg	96				81	123	
	Endrin	16.65	16.2	ug/kg	97				76	130	
	Endosulfan II	16.65	16.0	ug/kg	96				80	125	
	4,4'-DDD	16.65	16.1	ug/kg	97				80	131	
	Endosulfan sulfate	16.65	16.0	ug/kg	96				81	122	
	4,4'-DDT	16.65	16.2	ug/kg	97				70	129	
	Methoxychlor	16.65	15.4	ug/kg	92				60	119	
	Endrin ketone	16.65	16.3	ug/kg	98				77	132	
	Endrin aldehyde	16.65	17.5	ug/kg	105				79	124	
	alpha-Chlordane	16.65	16.0	ug/kg	96				84	120	
	gamma-Chlordane	16.65	16.2	ug/kg	97				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169360BL

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab Sample ID: PB169360BL

Lab File ID: PD090007.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 08/22/2025

Date Analyzed (1): 08/22/2025

Date Analyzed (2): 08/22/2025

Time Analyzed (1): 14:34

Time Analyzed (2): 14:34

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB169360BS	PB169360BS	PD090008.D	08/22/2025	08/22/2025
BRIDGE-WESTMS	Q2915-01MS	PD090020.D	08/22/2025	08/22/2025
BRIDGE-WESTMSD	Q2915-01MSD	PD090021.D	08/22/2025	08/22/2025
27-BELL	Q2928-01	PD090023.D	08/22/2025	08/22/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090023.D	1	08/22/25 10:21	08/22/25 19:58	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.75	JP	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	1.20	JP	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	27.7	P	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.6		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		19 - 148	88%	SPK: 20

Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090023.D	1	08/22/25 10:21	08/22/25 19:58	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\PD082225\
 Data File : PD090023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 19:58
 Operator : AR\AJ
 Sample : Q2928-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 27-BELL

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/25/2025
 Supervised By : mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:56:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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	2.876	50396309	390.0E6	17.172	17.688m
28)	SA Decachlor...	9.070	8.064	83166186	325.6E6	19.270m	12.576m#
Target Compounds							
10)	B gamma-Chl...	5.944	5.121	245.3E6	998.6E6	50.157	33.725 #
11)	B alpha-Chl...	6.029	5.185	349.0E6	1105.0E6	70.900	38.719 #
12)	B 4,4'-DDE	6.196	5.370	4325475	55431414	0.986	1.923 #
17)	MA 4,4'-DDT	7.019	6.177	7356588	78887534	1.931	3.147 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 19:58
Operator : AR\AJ
Sample : Q2928-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

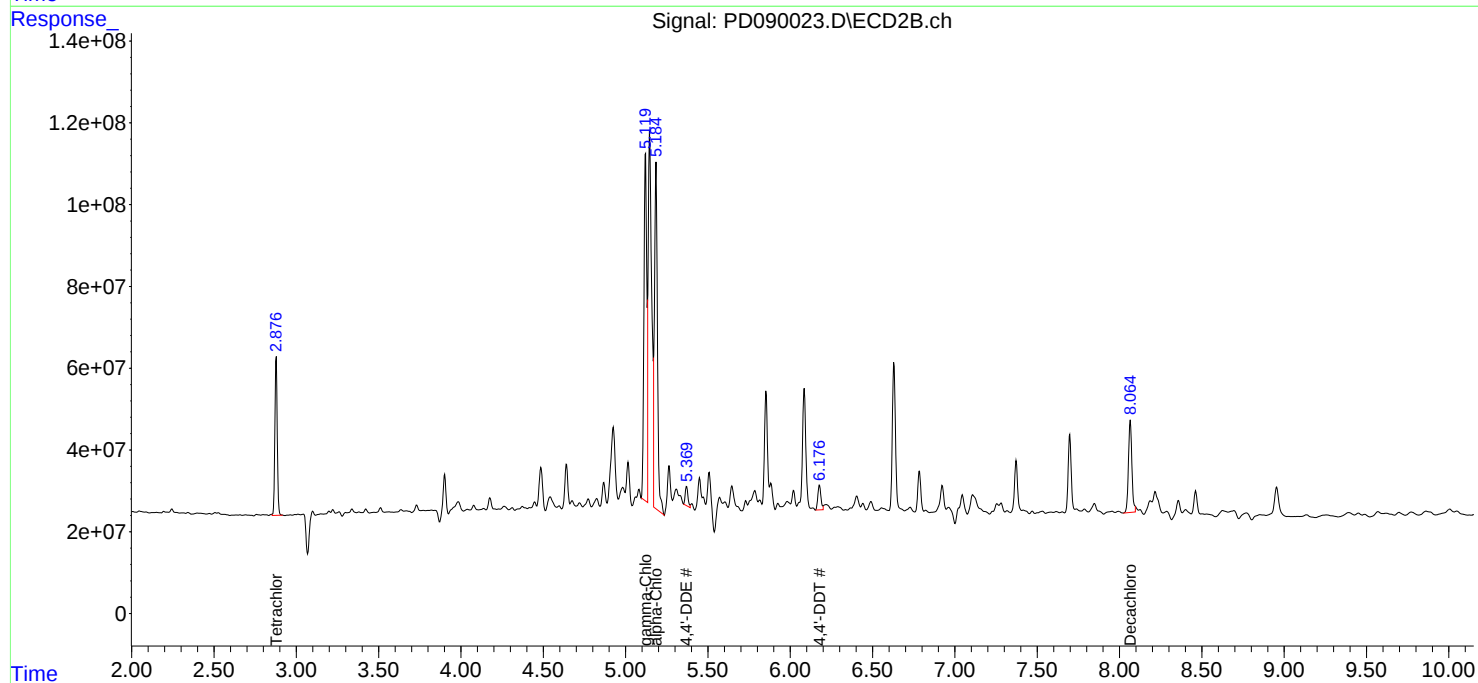
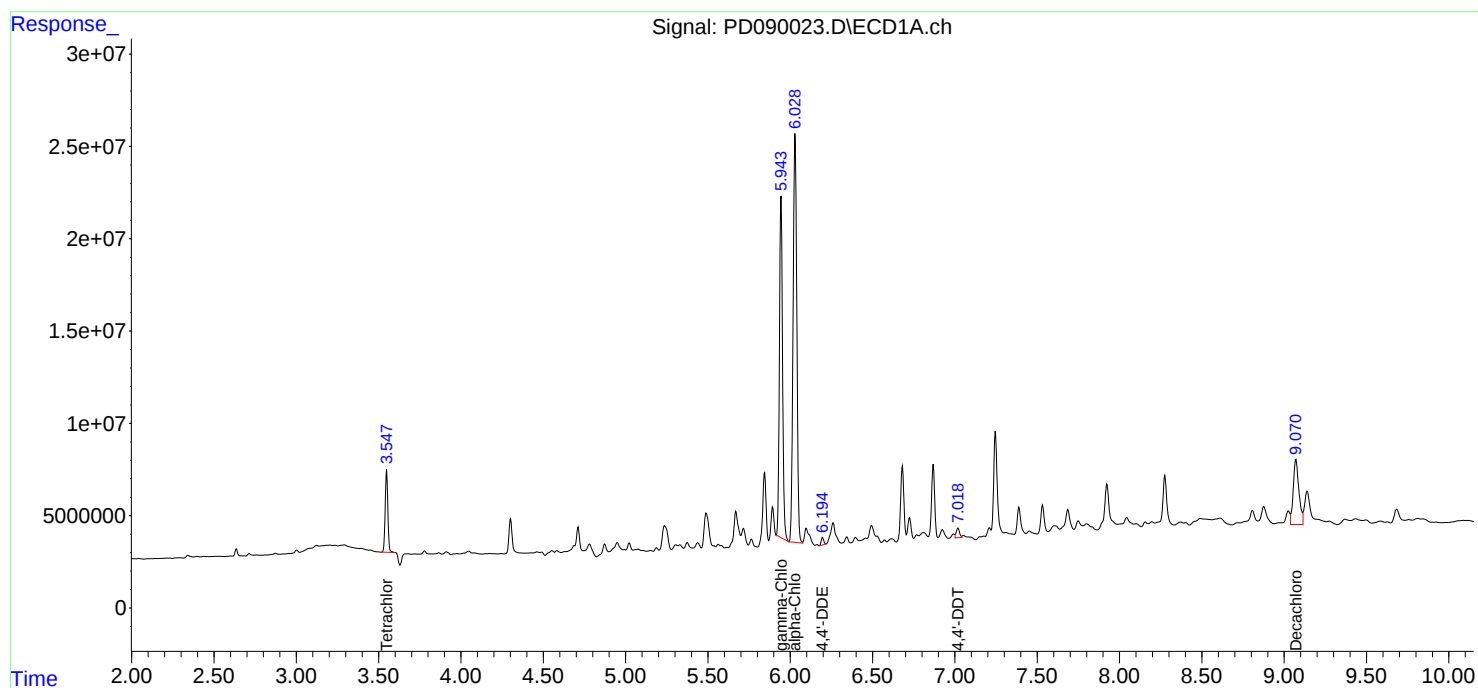
Instrument :
ECD_D
ClientSampleId :
27-BELL

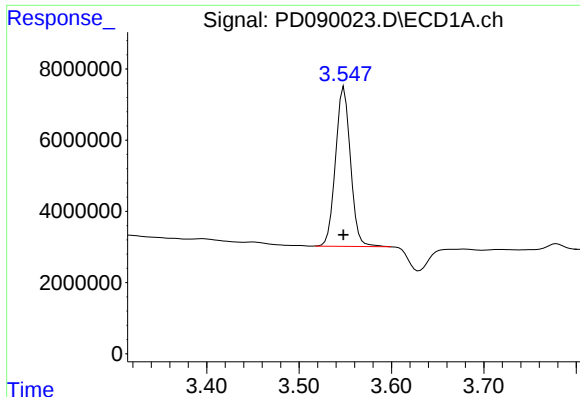
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/25/2025
Supervised By : mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:56:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





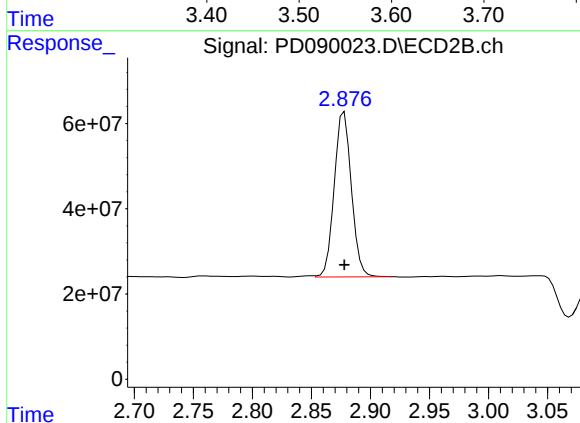
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
 Delta R.T.: 0.000 min
 Response: 50396309
 Conc: 17.17 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 27-BELL

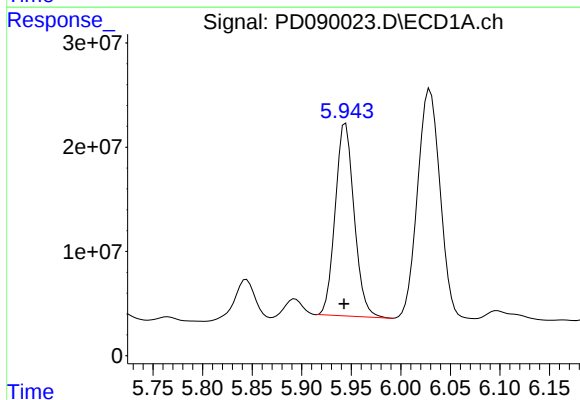
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/25/2025
 Supervised By :mohammad ahmed 08/26/2025



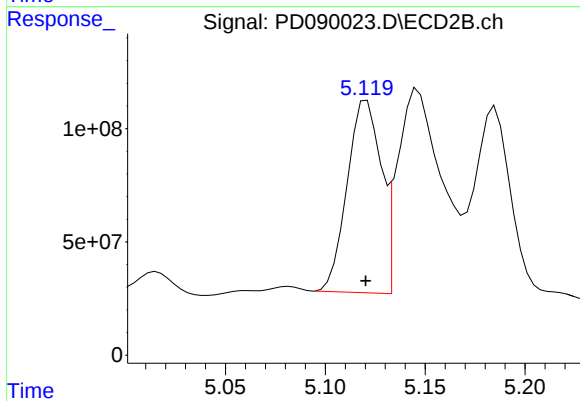
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
 Delta R.T.: -0.002 min
 Response: 390028958
 Conc: 17.69 ng/ml m



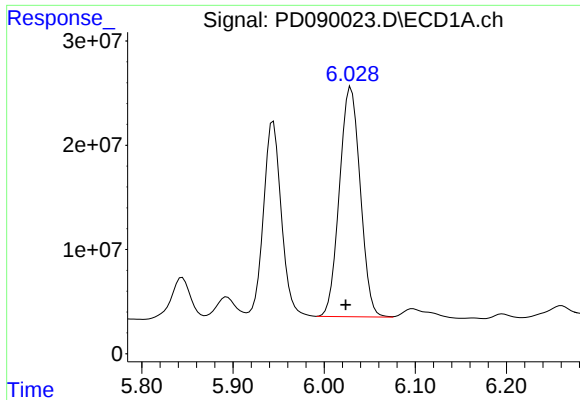
#10 gamma-Chlordane

R.T.: 5.944 min
 Delta R.T.: 0.001 min
 Response: 245317070
 Conc: 50.16 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
 Delta R.T.: 0.000 min
 Response: 998625205
 Conc: 33.72 ng/ml



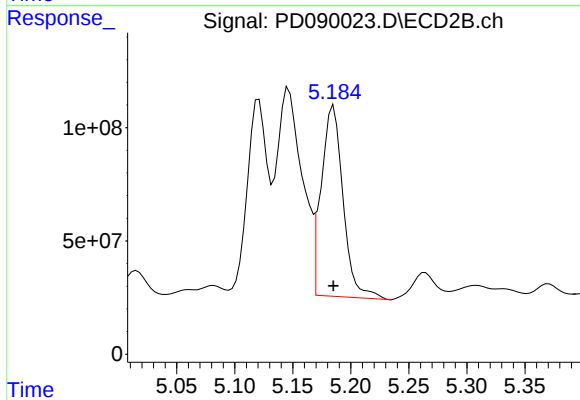
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.006 min
Response: 348997130
Conc: 70.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
27-BELL

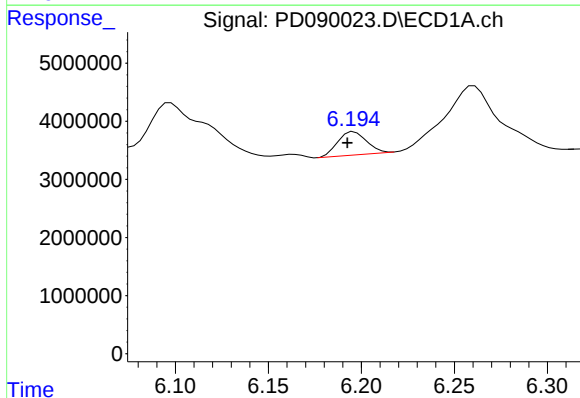
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/25/2025
Supervised By :mohammad ahmed 08/26/2025



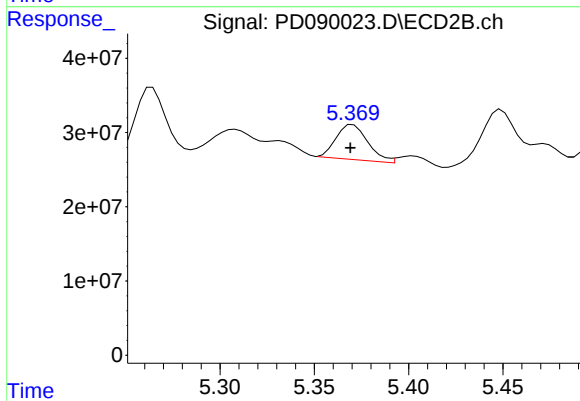
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1104963395
Conc: 38.72 ng/ml



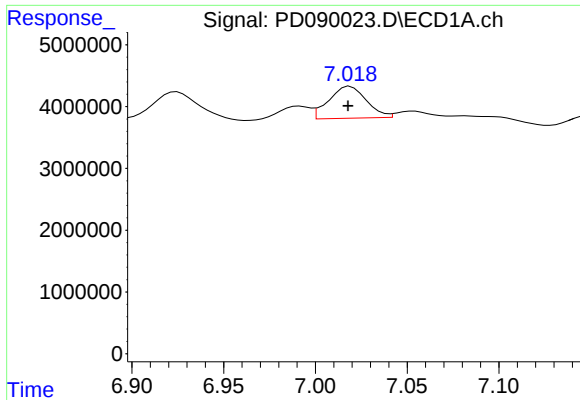
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.004 min
Response: 4325475
Conc: 0.99 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.001 min
Response: 55431414
Conc: 1.92 ng/ml



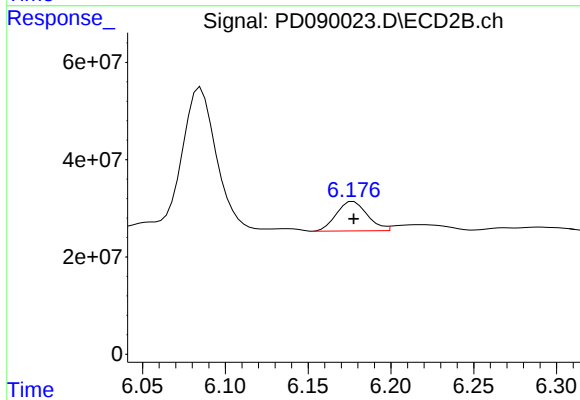
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 7356588
Conc: 1.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
27-BELL

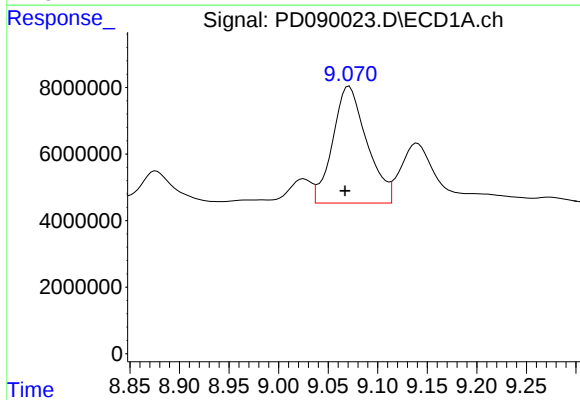
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/25/2025
Supervised By :mohammad ahmed 08/26/2025



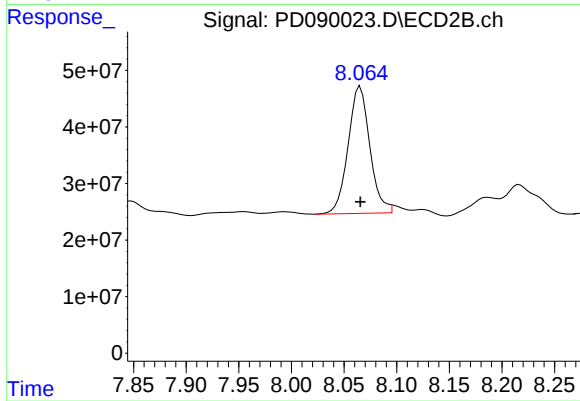
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 78887534
Conc: 3.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.003 min
Response: 83166186
Conc: 19.27 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 325552151
Conc: 12.58 ng/ml m



CALIBRATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>HERO01</u>	
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2928</u>	
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>08/18/2025</u>	<u>08/18/2025</u>
		Calibration Times:	<u>11:25</u>	<u>12:20</u>

[illegible]

Lab Name:	<u>Alliance</u>	Contract:	<u>HERO01</u>	
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2928</u>	
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>08/18/2025</u>	<u>08/18/2025</u>
		Calibration Times:	<u>11:25</u>	<u>12:20</u>

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: HERO01
SDG NO.: Q2928

Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 11:25 12:20

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

LAB FILE ID:		CF 100 =	<u>PD089964.D</u>	CF 075 =	<u>PD089965.D</u>		
CF 050 =		<u>PD089966.D</u>	CF 025 =	<u>PD089967.D</u>	CF 005 =	<u>PD089968.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3624120000	3462270000	3457660000	3265820000	3485670000	3459110000	4
4,4'-DDE	4626960000	4438390000	4404140000	4140750000	4331330000	4388310000	4
4,4'-DDT	3975570000	3816810000	3832620000	3619780000	3803930000	3809740000	3
Aldrin	5668260000	5424570000	5410420000	5143250000	5426150000	5414530000	3
alpha-BHC	6564570000	6222340000	6076620000	5609710000	5537900000	6002230000	7
alpha-Chlordane	5001030000	4849920000	4872480000	4705810000	5182860000	4922420000	4
beta-BHC	2190370000	2136080000	2186000000	2198420000	2504240000	2243020000	7
Decachlorobiphenyl	3986110000	3969720000	4147630000	4315890000	5160360000	4315940000	11
delta-BHC	5594230000	5259320000	5241270000	4866470000	4927250000	5177710000	6
Dieldrin	5101560000	4896810000	4892720000	4649520000	4938220000	4895770000	3
Endosulfan I	4658430000	4521140000	4563060000	4438270000	4893500000	4614880000	4
Endosulfan II	4207790000	4064330000	4140160000	4044550000	4641790000	4219720000	6
Endosulfan sulfate	3909960000	3792530000	3865770000	3781510000	4242700000	3918500000	5
Endrin	4304200000	4131030000	4163360000	3917830000	4201430000	4143570000	3
Endrin aldehyde	2808090000	2745580000	2790240000	2785520000	3206350000	2867160000	7
Endrin ketone	4165230000	4039380000	4100930000	4005880000	4411220000	4144530000	4
gamma-BHC (Lindane)	6124020000	5822650000	5736200000	5394590000	5556740000	5726840000	5
gamma-Chlordane	5032010000	4878750000	4857490000	4658710000	5027960000	4890980000	3
Heptachlor	5823490000	5610320000	5567440000	5314250000	5730360000	5609170000	3
Heptachlor epoxide	4903870000	4710630000	4793240000	4635070000	5491190000	4906800000	7
Methoxychlor	1937810000	1915290000	1982900000	1982920000	2209170000	2005620000	6
Tetrachloro-m-xylene	2917140000	2829280000	2874020000	2840660000	3213090000	2934840000	5



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: HERO01
SDG NO.: Q2928

Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 11:25 12:20

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

LAB FILE ID:		CF 100 =	<u>PD089964.D</u>	CF 075 =	<u>PD089965.D</u>		
CF 050 =		<u>PD089966.D</u>	CF 025 =	<u>PD089967.D</u>	CF 005 =	<u>PD089968.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	22516800000	22539900000	23346000000	24042100000	27773700000	24043700000	9
4,4'-DDE	27113000000	27019200000	27887400000	28678000000	33416200000	28822800000	9
4,4'-DDT	23990000000	24023200000	24827600000	25108600000	27399200000	25069700000	6
Aldrin	28837000000	28725400000	29547400000	30298100000	34870500000	30455700000	8
alpha-BHC	32680000000	32178400000	33006800000	33320200000	38508700000	33938800000	8
alpha-Chlordane	26752600000	26620200000	27532400000	28392200000	33393000000	28538100000	10
beta-BHC	12414000000	12365000000	12842100000	13315800000	15714100000	13330200000	10
Decachlorobiphenyl	23779200000	23963600000	24979900000	25602900000	31103700000	25885900000	12
delta-BHC	30159900000	29900600000	30631600000	31120600000	35936300000	31549800000	8
Dieldrin	27315200000	27373800000	28374700000	29249600000	34122500000	29287200000	10
Endosulfan I	24263100000	24395900000	25356800000	26391300000	30701900000	26221800000	10
Endosulfan II	23285800000	23417600000	24436800000	25378900000	29954000000	25294600000	11
Endosulfan sulfate	22430300000	22611400000	23494500000	24469500000	28892000000	24379500000	11
Endrin	24304500000	24536800000	25710300000	26502700000	32106800000	26632200000	12
Endrin aldehyde	15818300000	15996400000	16540900000	17378800000	20365300000	17219900000	11
Endrin ketone	24365300000	24756300000	25905100000	26991400000	31204600000	26644500000	10
gamma-BHC (Lindane)	30012600000	29626300000	30389800000	30823600000	35001200000	31170700000	7
gamma-Chlordane	27925200000	27737800000	28720300000	29587900000	34085100000	29611300000	9
Heptachlor	29303500000	29221000000	30284200000	31044900000	36104500000	31191600000	9
Heptachlor epoxide	25599400000	25694300000	26706500000	27640400000	32833500000	27694800000	11
Methoxychlor	11658500000	11925200000	12638700000	13125700000	15130800000	12895800000	11
Tetrachloro-m-xylene	20746800000	20549600000	21227800000	21856800000	25871800000	22050500000	10



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: HERO01

Lab Code: ACE SDG NO.: Q2928

Instrument ID: ECD_D Date(s) Analyzed: 08/18/2025 08/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	40562300
		2	6.44	6.34	6.54	53517200
		3	7.15	7.05	7.25	101826000
		4	7.56	7.46	7.66	130379000
		5	7.93	7.83	8.03	75181300



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** HERO01
Lab Code: ACE **SDG NO.:** Q2928
Instrument ID: ECD_D **Date(s) Analyzed:** 08/18/2025 08/18/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.47	5.37	5.57	218810000
		2	5.64	5.54	5.74	149373000
		3	6.75	6.65	6.85	724168000
		4	7.19	7.09	7.29	490399000
		5	7.32	7.22	7.42	361533000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089964.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:25
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 02:23:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:15:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	291.7E6	2074.7E6	101.500	97.734
28)	SA Decachlor...	9.066	8.066	398.6E6	2377.9E6	96.106	95.193
Target Compounds							
2)	A alpha-BHC	3.997	3.390	656.5E6	3268.0E6	108.030	99.010
3)	MA gamma-BHC...	4.328	3.726	612.4E6	3001.3E6	106.761	98.759
4)	MA Heptachlor	4.926	4.078	582.3E6	2930.4E6	104.599	96.762
5)	MB Aldrin	5.268	4.364	566.8E6	2883.7E6	104.766	97.596
6)	B beta-BHC	4.514	4.021	219.0E6	1241.4E6	100.200	96.667
7)	B delta-BHC	4.762	4.258	559.4E6	3016.0E6	106.734	98.460
8)	B Heptachlo...	5.687	4.867	490.4E6	2559.9E6	102.308	95.855
9)	A Endosulfan I	6.071	5.242	465.8E6	2426.3E6	102.090	95.687
10)	B gamma-Chl...	5.943	5.119	503.2E6	2792.5E6	103.593	97.232m
11)	B alpha-Chl...	6.023	5.185	500.1E6	2675.3E6	102.638	97.168
12)	B 4,4'-DDE	6.192	5.369	462.7E6	2711.3E6	105.059	97.223
13)	MA Dieldrin	6.343	5.507	510.2E6	2731.5E6	104.268	96.266
14)	MA Endrin	6.571	5.784	430.4E6	2430.4E6	103.383	94.532
15)	B Endosulfa...	6.783	6.075	420.8E6	2328.6E6	101.634	95.290
16)	A 4,4'-DDD	6.702	5.924	362.4E6	2251.7E6	104.814	96.449
17)	MA 4,4'-DDT	7.017	6.177	397.6E6	2399.0E6	103.730	96.626
18)	B Endrin al...	6.912	6.253	280.8E6	1581.8E6	100.640	95.631
19)	B Endosulfa...	7.146	6.476	391.0E6	2243.0E6	101.143	95.471
20)	A Methoxychlor	7.490	6.748	193.8E6	1165.8E6	97.726	92.244
21)	B Endrin ke...	7.627	6.985	416.5E6	2436.5E6	101.568	94.056
22)	Mirex	8.110	7.179	291.1E6	1863.0E6	96.098	95.047

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089964.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:25
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC100

Manual Integrations

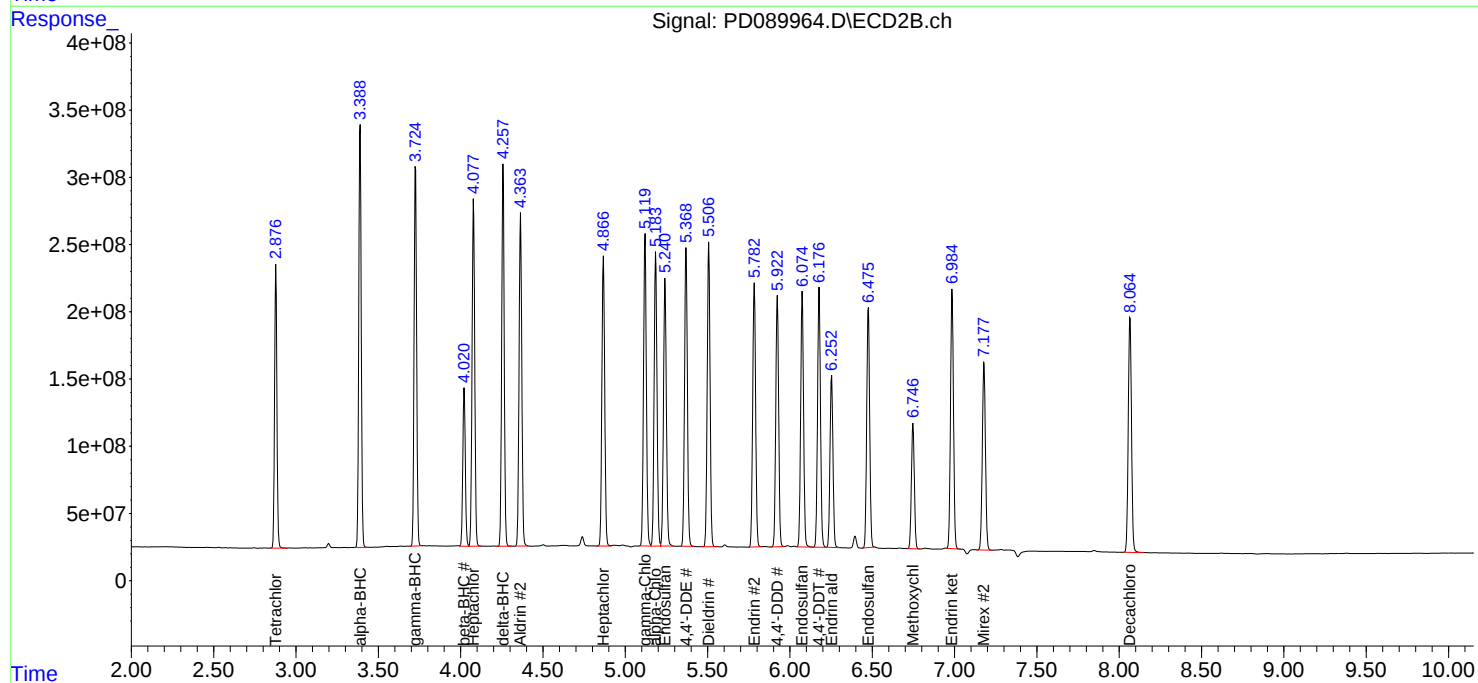
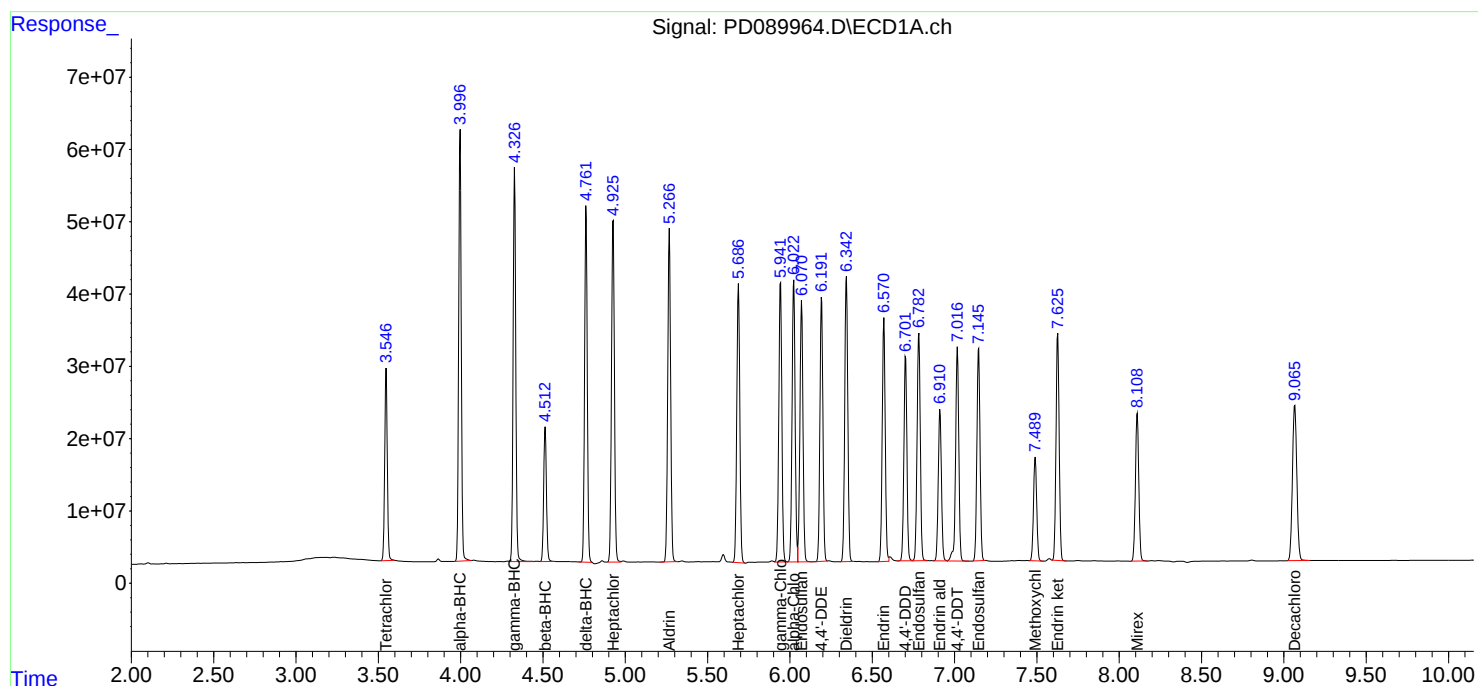
APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD081825\
 Data File : PD089965.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:39
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC075

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 02:23:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:15:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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	2.877	212.2E6	1541.2E6	73.832	72.604
28)	SA Decachlor...	9.069	8.066	297.7E6	1797.3E6	71.783	71.949
Target Compounds							
2)	A alpha-BHC	3.998	3.390	466.7E6	2413.4E6	76.799	73.118
3)	MA gamma-BHC...	4.329	3.726	436.7E6	2222.0E6	76.130	73.116
4)	MA Heptachlor	4.928	4.079	420.8E6	2191.6E6	75.578	72.367
5)	MB Aldrin	5.269	4.364	406.8E6	2154.4E6	75.196	72.914
6)	B beta-BHC	4.515	4.022	160.2E6	927.4E6	73.287	72.214
7)	B delta-BHC	4.764	4.258	394.4E6	2242.5E6	75.258	73.210
8)	B Heptachlo...	5.688	4.868	353.3E6	1927.1E6	73.707	72.157
9)	A Endosulfan I	6.072	5.242	339.1E6	1829.7E6	74.311	72.158
10)	B gamma-Chl...	5.944	5.119	365.9E6	2080.3E6	75.328	72.434m
11)	B alpha-Chl...	6.025	5.186	363.7E6	1996.5E6	74.653	72.515
12)	B 4,4'-DDE	6.194	5.370	332.9E6	2026.4E6	75.583	72.665
13)	MA Dieldrin	6.345	5.508	367.3E6	2053.0E6	75.063	72.355
14)	MA Endrin	6.572	5.785	309.8E6	1840.3E6	74.418	71.577
15)	B Endosulfa...	6.784	6.076	304.8E6	1756.3E6	73.626	71.872
16)	A 4,4'-DDD	6.703	5.924	259.7E6	1690.5E6	75.100	72.410
17)	MA 4,4'-DDT	7.019	6.178	286.3E6	1801.7E6	74.691	72.570
18)	B Endrin al...	6.914	6.254	205.9E6	1199.7E6	73.799	72.531
19)	B Endosulfa...	7.147	6.477	284.4E6	1695.9E6	73.579	72.181
20)	A Methoxychlor	7.491	6.748	143.6E6	894.4E6	72.443	70.766
21)	B Endrin ke...	7.628	6.986	303.0E6	1856.7E6	73.874	71.674
22)	Mirex	8.111	7.180	216.8E6	1413.2E6	71.574	72.101

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089965.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:39
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC075

Manual Integrations

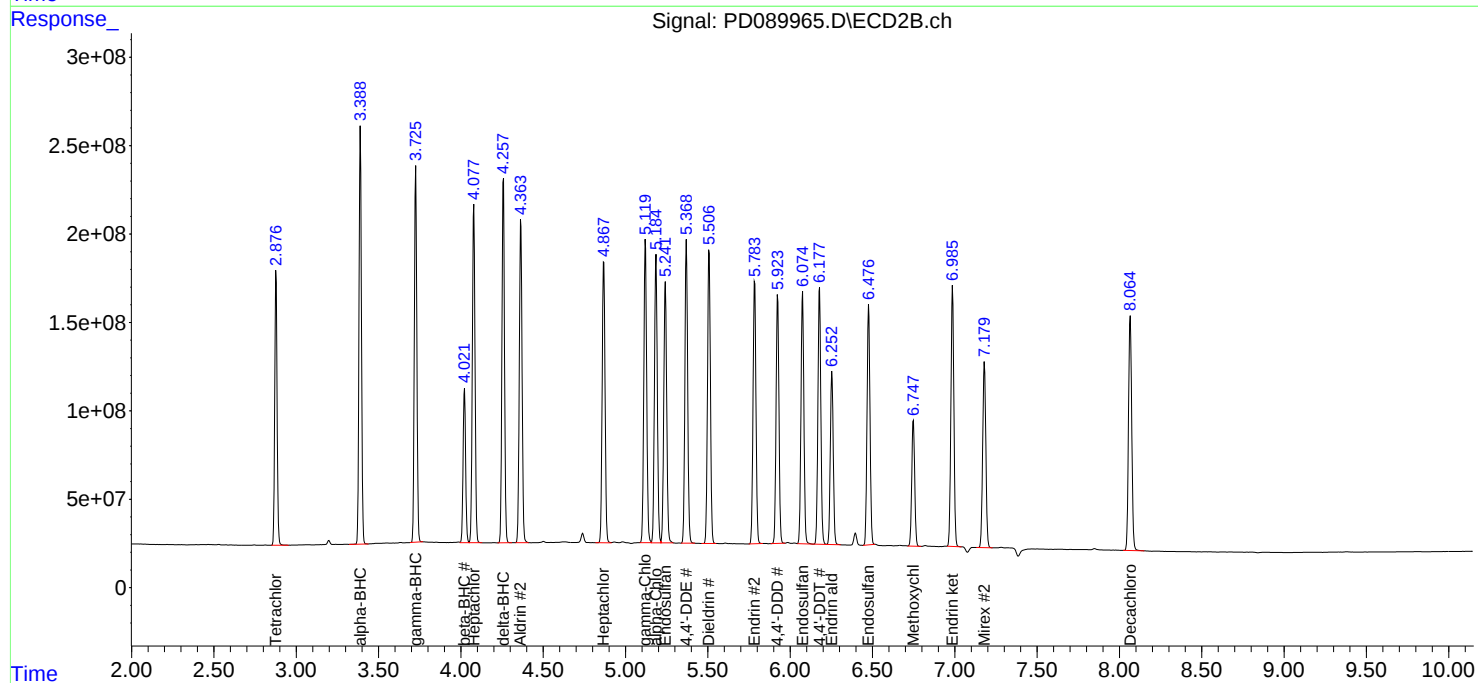
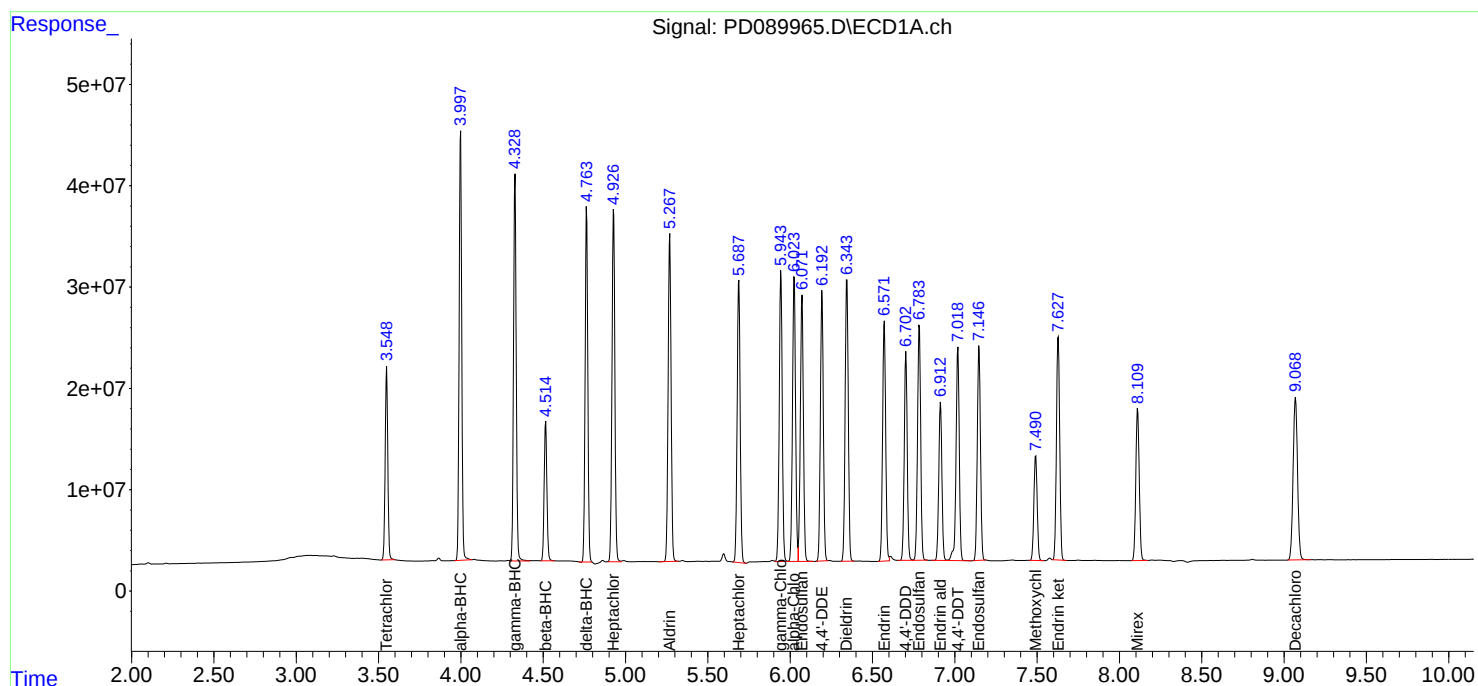
APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD081825\
 Data File : PD089966.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:53
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 02:23:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:15:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	143.7E6	1061.4E6	50.000	50.000
28)	SA Decachlor...	9.067	8.065	207.4E6	1249.0E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.997	3.390	303.8E6	1650.3E6	50.000	50.000
3)	MA gamma-BHC...	4.328	3.726	286.8E6	1519.5E6	50.000	50.000
4)	MA Heptachlor	4.926	4.078	278.4E6	1514.2E6	50.000	50.000
5)	MB Aldrin	5.267	4.364	270.5E6	1477.4E6	50.000	50.000
6)	B beta-BHC	4.514	4.021	109.3E6	642.1E6	50.000	50.000
7)	B delta-BHC	4.762	4.258	262.1E6	1531.6E6	50.000	50.000
8)	B Heptachlo...	5.687	4.867	239.7E6	1335.3E6	50.000	50.000
9)	A Endosulfan I	6.071	5.242	228.2E6	1267.8E6	50.000	50.000
10)	B gamma-Chl...	5.943	5.120	242.9E6	1436.0E6	50.000	50.000
11)	B alpha-Chl...	6.024	5.185	243.6E6	1376.6E6	50.000	50.000
12)	B 4,4'-DDE	6.192	5.369	220.2E6	1394.4E6	50.000	50.000
13)	MA Dieldrin	6.344	5.507	244.6E6	1418.7E6	50.000	50.000
14)	MA Endrin	6.571	5.784	208.2E6	1285.5E6	50.000	50.000
15)	B Endosulfa...	6.783	6.075	207.0E6	1221.8E6	50.000	50.000
16)	A 4,4'-DDD	6.702	5.924	172.9E6	1167.3E6	50.000	50.000
17)	MA 4,4'-DDT	7.018	6.178	191.6E6	1241.4E6	50.000	50.000
18)	B Endrin al...	6.912	6.253	139.5E6	827.0E6	50.000	50.000
19)	B Endosulfa...	7.147	6.477	193.3E6	1174.7E6	50.000	50.000
20)	A Methoxychlor	7.490	6.749	99144906	631.9E6	50.000	50.000
21)	B Endrin ke...	7.627	6.986	205.0E6	1295.3E6	50.000	50.000
22)	Mirex	8.110	7.179	151.5E6	980.0E6	50.000	50.000

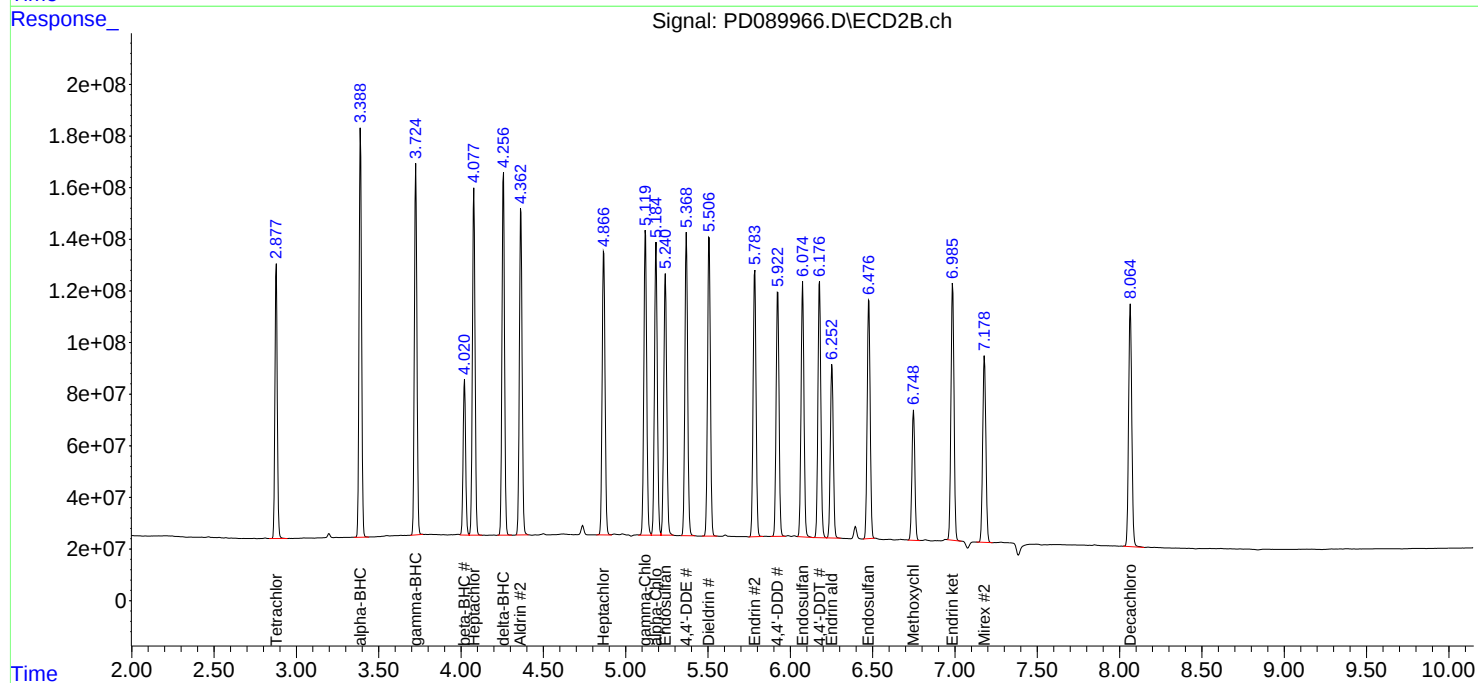
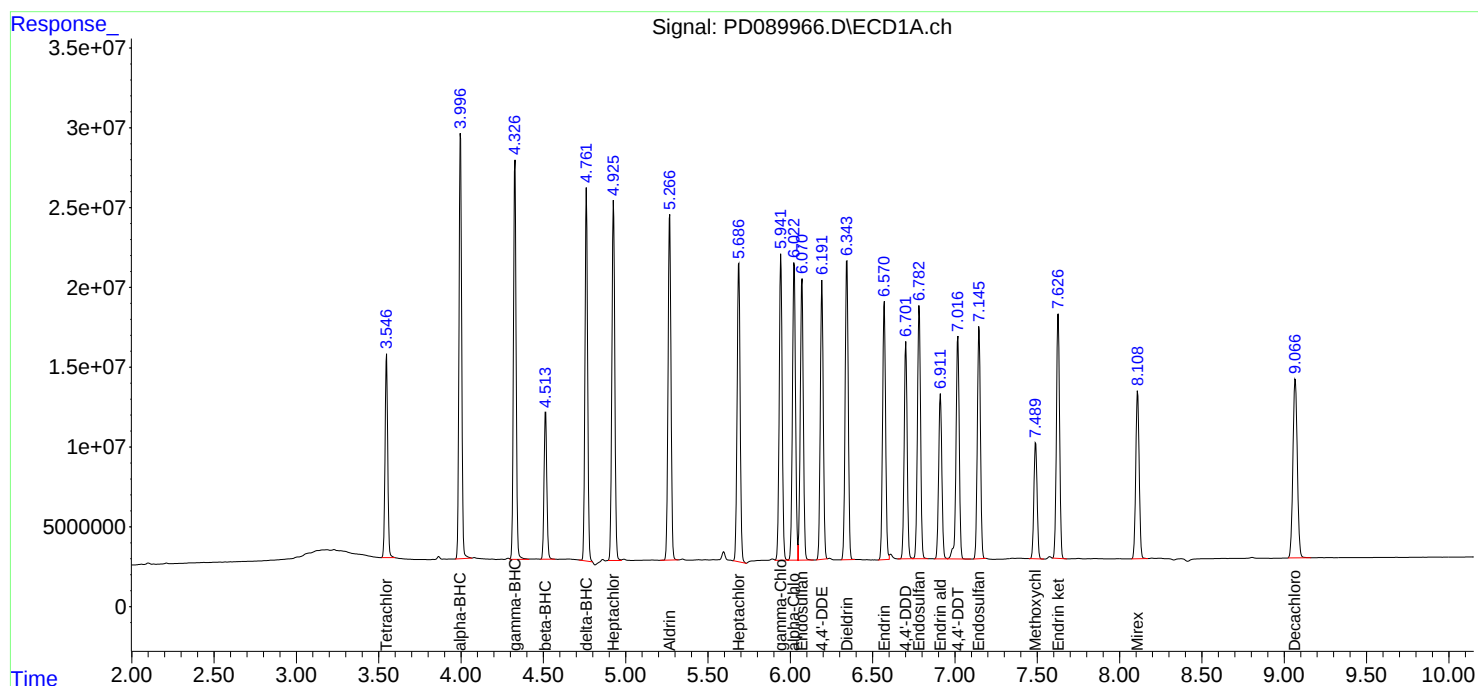
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089966.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:53
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD081825\
 Data File : PD089967.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:06
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 02:23:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:15:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	71016587	546.4E6	24.710	25.741
2)	SA Decachlor...	9.067	8.064	107.9E6	640.1E6	26.014	25.623
Target Compounds							
2)	A alpha-BHC	3.997	3.390	140.2E6	833.0E6	23.079	25.237
3)	MA gamma-BHC...	4.327	3.726	134.9E6	770.6E6	23.511	25.357
4)	MA Heptachlor	4.925	4.079	132.9E6	776.1E6	23.863	25.628
5)	MB Aldrin	5.267	4.364	128.6E6	757.5E6	23.765	25.635
6)	B beta-BHC	4.513	4.021	54960603	332.9E6	25.142	25.922
7)	B delta-BHC	4.761	4.258	121.7E6	778.0E6	23.212	25.399
8)	B Heptachlo...	5.687	4.867	115.9E6	691.0E6	24.175	25.874
9)	A Endosulfan I	6.071	5.242	111.0E6	659.8E6	24.316	26.020
10)	B gamma-Chl...	5.942	5.120	116.5E6	739.7E6	23.977	25.755
11)	B alpha-Chl...	6.023	5.185	117.6E6	709.8E6	24.145	25.781
12)	B 4,4'-DDE	6.192	5.370	103.5E6	716.9E6	23.505	25.709
13)	MA Dieldrin	6.343	5.507	116.2E6	731.2E6	23.757	25.771
14)	MA Endrin	6.570	5.783	97945789	662.6E6	23.526	25.771
15)	B Endosulfa...	6.782	6.075	101.1E6	634.5E6	24.423	25.964
16)	A 4,4'-DDD	6.701	5.924	81645553	601.1E6	23.613	25.746
17)	MA 4,4'-DDT	7.017	6.178	90494404	627.7E6	23.612	25.283
18)	B Endrin al...	6.911	6.253	69637886	434.5E6	24.958	26.266
19)	B Endosulfa...	7.145	6.477	94537771	611.7E6	24.455	26.037
20)	A Methoxychlor	7.489	6.748	49573124	328.1E6	25.000	25.963
21)	B Endrin ke...	7.626	6.986	100.1E6	674.8E6	24.421	26.048
22)	Mirex	8.108	7.178	78134392	518.7E6	25.791	26.465

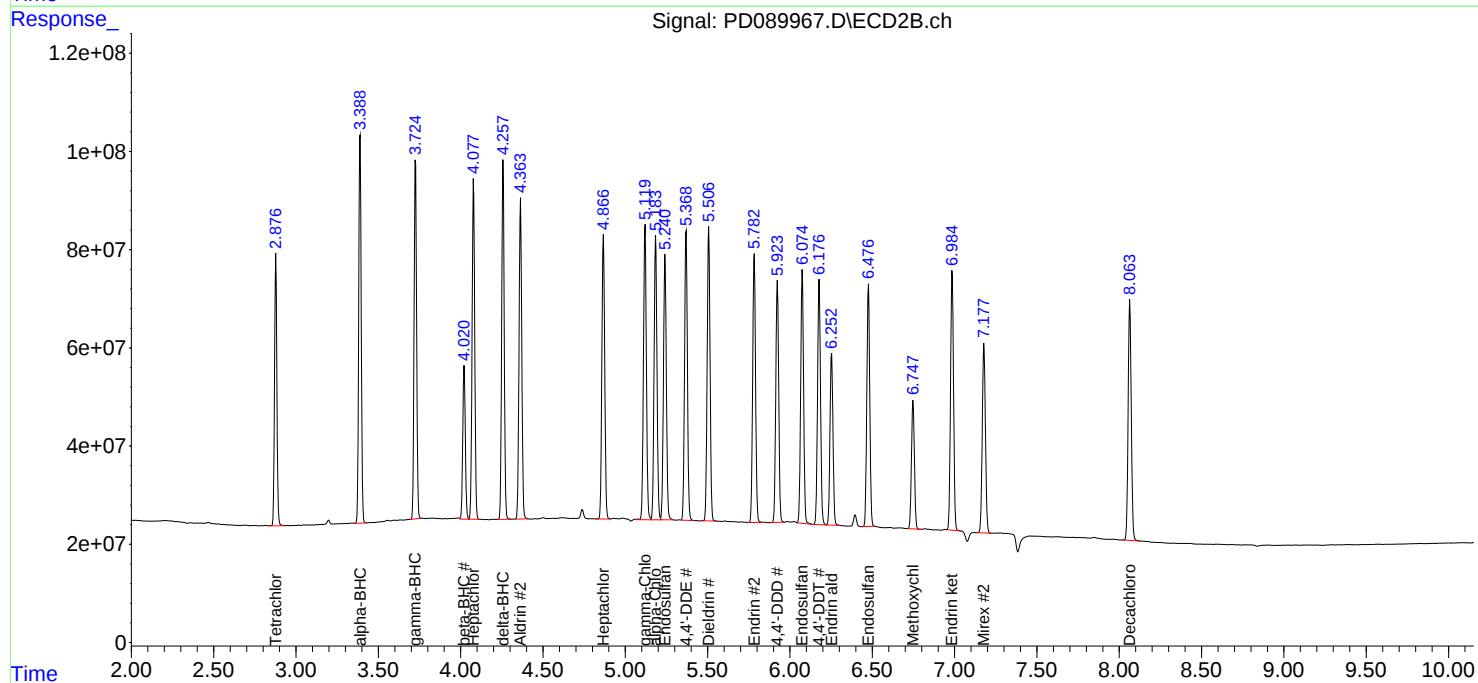
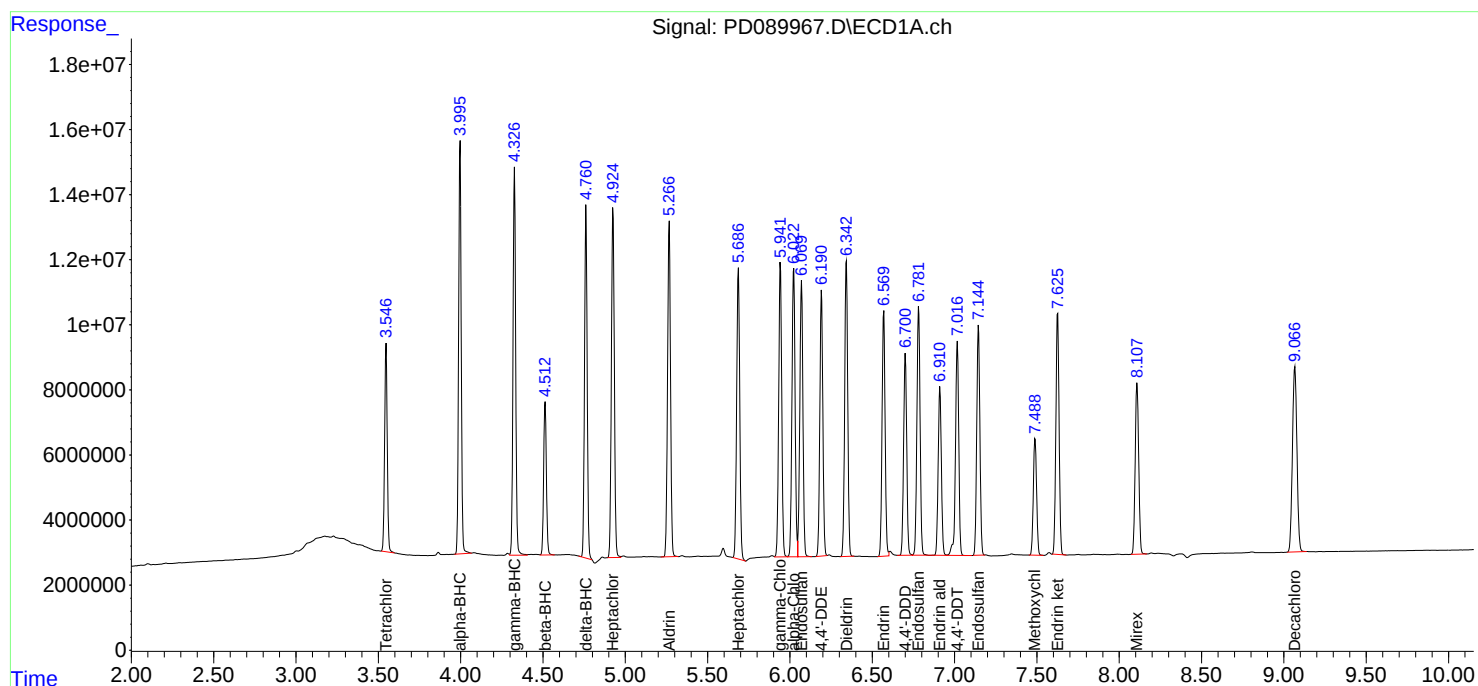
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089967.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:06
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD081825\
 Data File : PD089968.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:20
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 02:23:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:15:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.878	16065440	129.4E6	5.590	6.094
28) SA Decachlor...	9.067	8.065	25801787	155.5E6	6.221	6.226
Target Compounds						
2) A alpha-BHC	3.997	3.390	27689483	192.5E6	4.557	5.833 #
3) MA gamma-BHC...	4.327	3.726	27783687	175.0E6	4.844	5.759
4) MA Heptachlor	4.926	4.079	28651817	180.5E6	5.146	5.961
5) MB Aldrin	5.267	4.364	27130728	174.4E6	5.015	5.901
6) B beta-BHC	4.514	4.022	12521184	78570415	5.728	6.118
7) B delta-BHC	4.762	4.258	24636234	179.7E6	4.700	5.866
8) B Heptachlo...	5.687	4.868	27455928	164.2E6	5.728	6.147
9) A Endosulfan I	6.070	5.242	24467519	153.5E6	5.362	6.054
10) B gamma-Chl...	5.942	5.119	25139793	170.4E6	5.175	5.934m
11) B alpha-Chl...	6.023	5.186	25914299	167.0E6	5.319	6.064
12) B 4,4'-DDE	6.192	5.370	21656627	167.1E6	4.917	5.991
13) MA Dieldrin	6.343	5.508	24691118	170.6E6	5.047	6.013
14) MA Endrin	6.570	5.784	21007159	160.5E6	5.046	6.244
15) B Endosulfa...	6.783	6.075	23208965	149.8E6	5.606	6.129
16) A 4,4'-DDD	6.701	5.924	17428370	138.9E6	5.041	5.948
17) MA 4,4'-DDT	7.017	6.178	19019653	137.0E6	4.963	5.518
18) B Endrin al...	6.912	6.254	16031744	101.8E6	5.746	6.156
19) B Endosulfa...	7.146	6.477	21213506	144.5E6	5.488	6.149
20) A Methoxychlor	7.490	6.749	11045859	75653976	5.571	5.986
21) B Endrin ke...	7.627	6.986	22056097	156.0E6	5.378	6.023
22) Mirex	8.110	7.179	19074932	127.3E6	6.296	6.493

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089968.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:20
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

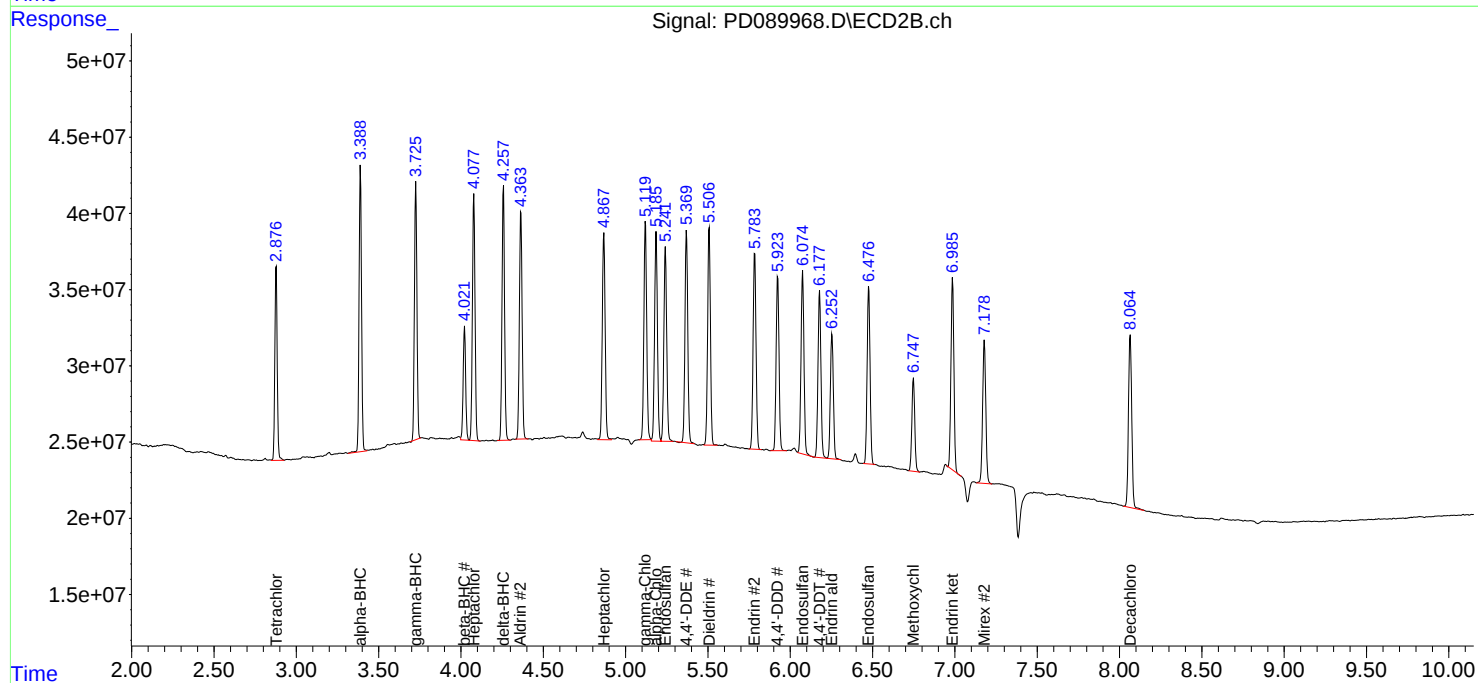
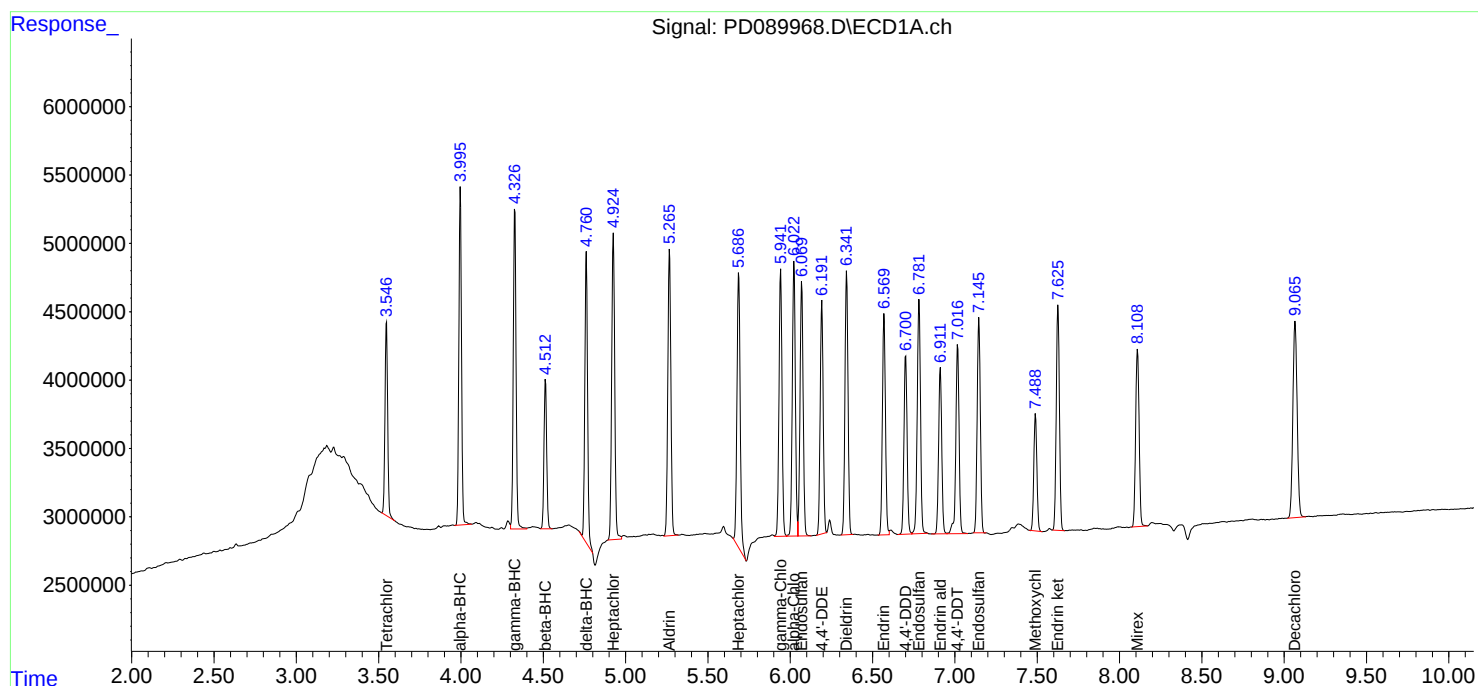
APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 02:23:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:15:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD081825\
 Data File : PD089971.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 14:19
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 03:15:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 02:57:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	106.5E6	1017.9E6	50.000	50.000
28)	SA Decachlor...	9.067	8.065	156.8E6	977.6E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.711	3.900	89372586	455.0E6	500.000	500.000
24)	Chlordane-2	5.238	4.482	89261369	472.4E6	500.000	500.000
25)	Chlordane-3	5.944	5.120	351.4E6	1396.2E6	500.000	500.000
26)	Chlordane-4	6.029	5.184	429.7E6	1196.4E6	500.000	500.000
27)	Chlordane-5	6.868	6.084	72788754	565.0E6	500.000	500.000

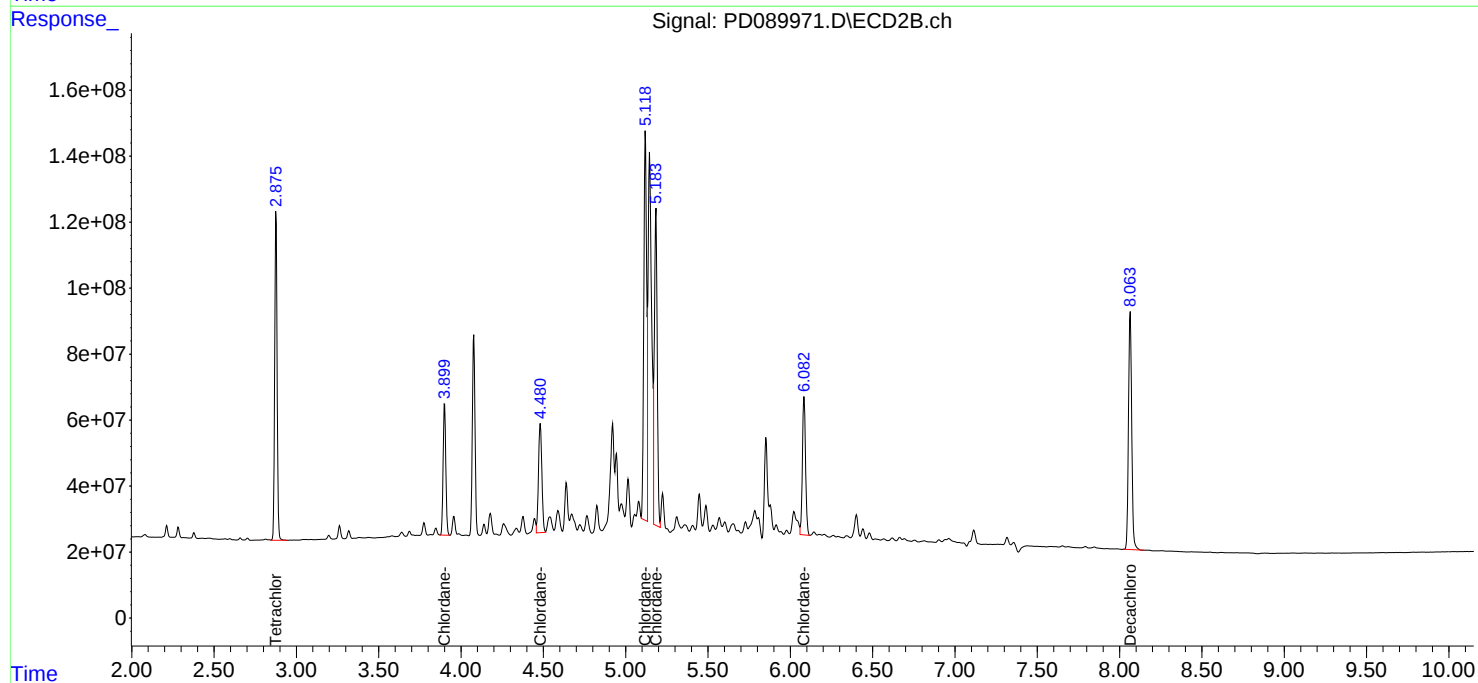
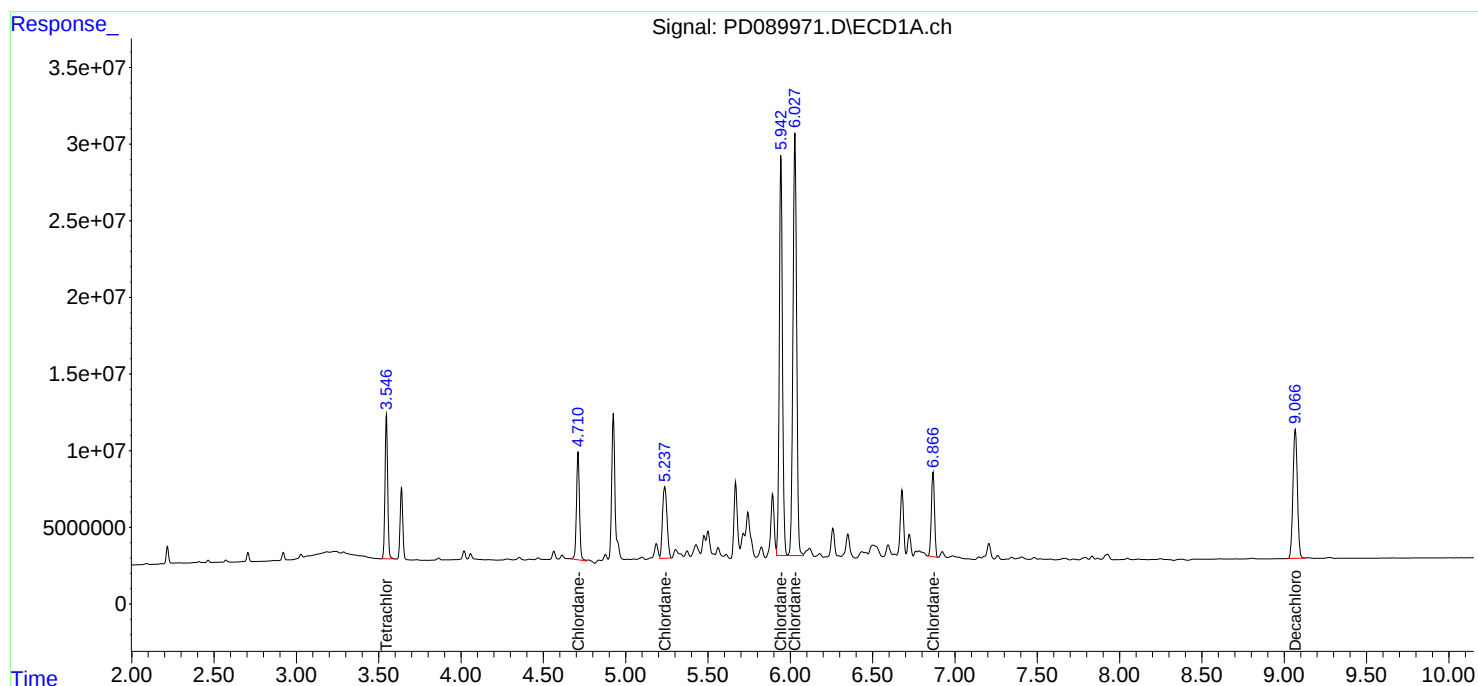
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 14:19
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 03:15:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 02:57:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD081825\
 Data File : PD089976.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 15:31
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:12:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 05:08:50 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

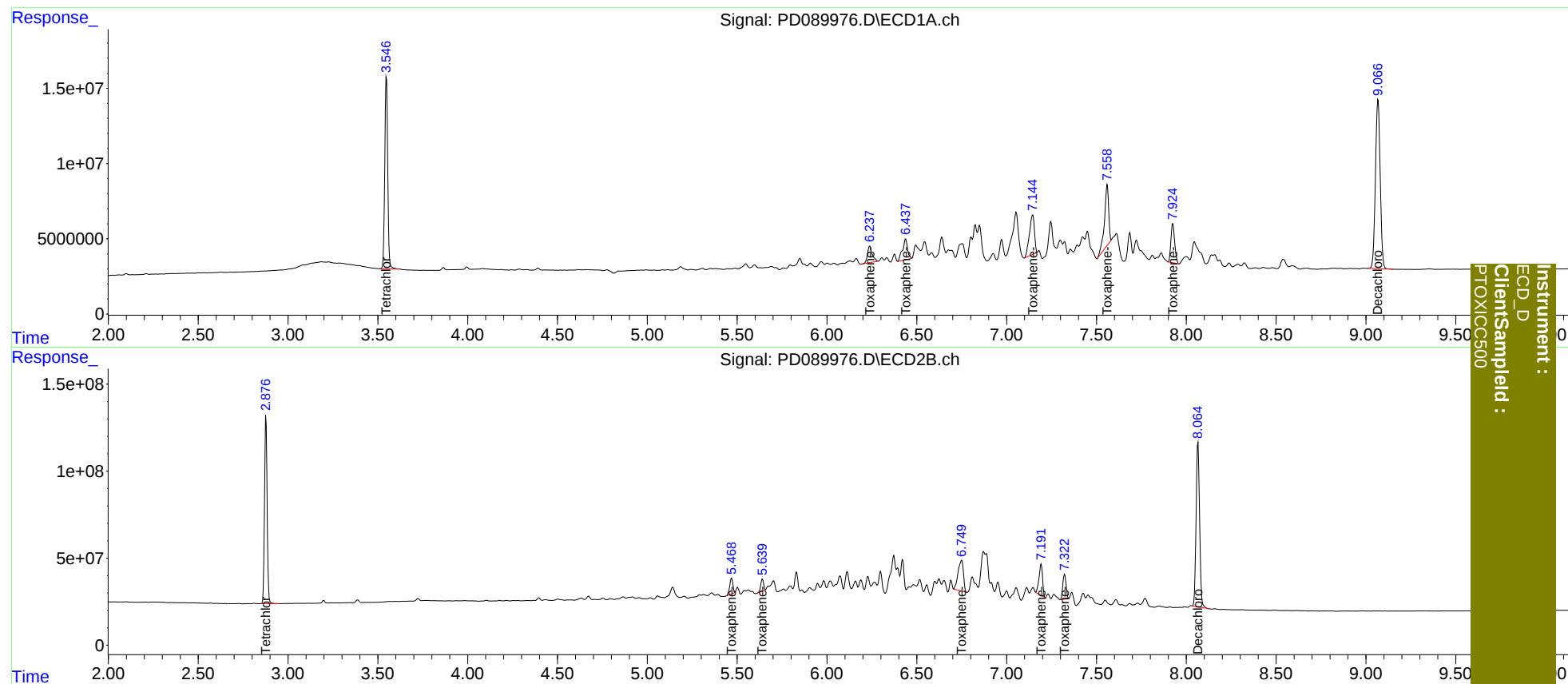
System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.877	145.7E6	1084.7E6	50.000	50.000
7)	SA Decachlor...	9.068	8.065	207.8E6	1279.0E6	50.000	50.000
Target Compounds							
2)	Toxaphene-1	6.238	5.469	20281150	109.4E6	500.000	500.000
3)	Toxaphene-2	6.438	5.641	26758594	74686445	500.000	500.000
4)	Toxaphene-3	7.145	6.750	50912911	362.1E6	500.000	500.000
5)	Toxaphene-4	7.560	7.192	65189512	245.2E6	500.000	500.000
6)	Toxaphene-5	7.925	7.323	37590653	180.8E6	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\PD081825\
Data File : PD089976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 15:31
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:12:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:08:50 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089979.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 16:12
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD081825

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:09:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 05:46:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	148.0E6	1104.8E6	50.425	50.101
2)	SA Decachlor...	9.066	8.065	215.0E6	1328.8E6	49.825	51.334
Target Compounds							
2)	A alpha-BHC	3.997	3.389	316.1E6	1719.4E6	52.658	50.663
3)	MA gamma-BHC...	4.327	3.725	299.8E6	1587.7E6	52.344	50.935
4)	MA Heptachlor	4.926	4.078	290.6E6	1584.9E6	51.814	50.812
5)	MB Aldrin	5.267	4.364	282.1E6	1549.9E6	52.098	50.892
6)	B beta-BHC	4.513	4.021	112.7E6	671.4E6	50.263	50.366
7)	B delta-BHC	4.762	4.258	282.2E6	1602.1E6	54.508	50.779
8)	B Heptachlo...	5.687	4.867	251.1E6	1398.4E6	51.180	50.493
9)	A Endosulfan I	6.071	5.242	235.3E6	1312.8E6	50.997	50.066
10)	B gamma-Chl...	5.942	5.120	251.4E6	1509.6E6	51.410	50.979
11)	B alpha-Chl...	6.023	5.185	251.3E6	1444.7E6	51.044	50.623
12)	B 4,4'-DDE	6.192	5.369	226.2E6	1468.4E6	51.553	50.945
13)	MA Dieldrin	6.343	5.507	252.2E6	1492.2E6	51.509	50.951
14)	MA Endrin	6.570	5.784	213.6E6	1370.2E6	51.548	51.448
15)	B Endosulfa...	6.782	6.075	213.5E6	1291.3E6	50.599	51.049
16)	A 4,4'-DDD	6.702	5.923	180.2E6	1235.1E6	52.097	51.367
17)	MA 4,4'-DDT	7.017	6.177	196.8E6	1313.1E6	51.657	52.376
18)	B Endrin al...	6.911	6.253	147.5E6	901.7E6	51.457	52.362
19)	B Endosulfa...	7.146	6.476	198.4E6	1242.6E6	50.637	50.967
20)	A Methoxychlor	7.489	6.748	101.2E6	670.7E6	50.479	52.013
21)	B Endrin ke...	7.626	6.985	211.8E6	1352.9E6	51.109	50.777
22)	Mirex	8.109	7.179	155.8E6	1047.3E6	49.396	50.704

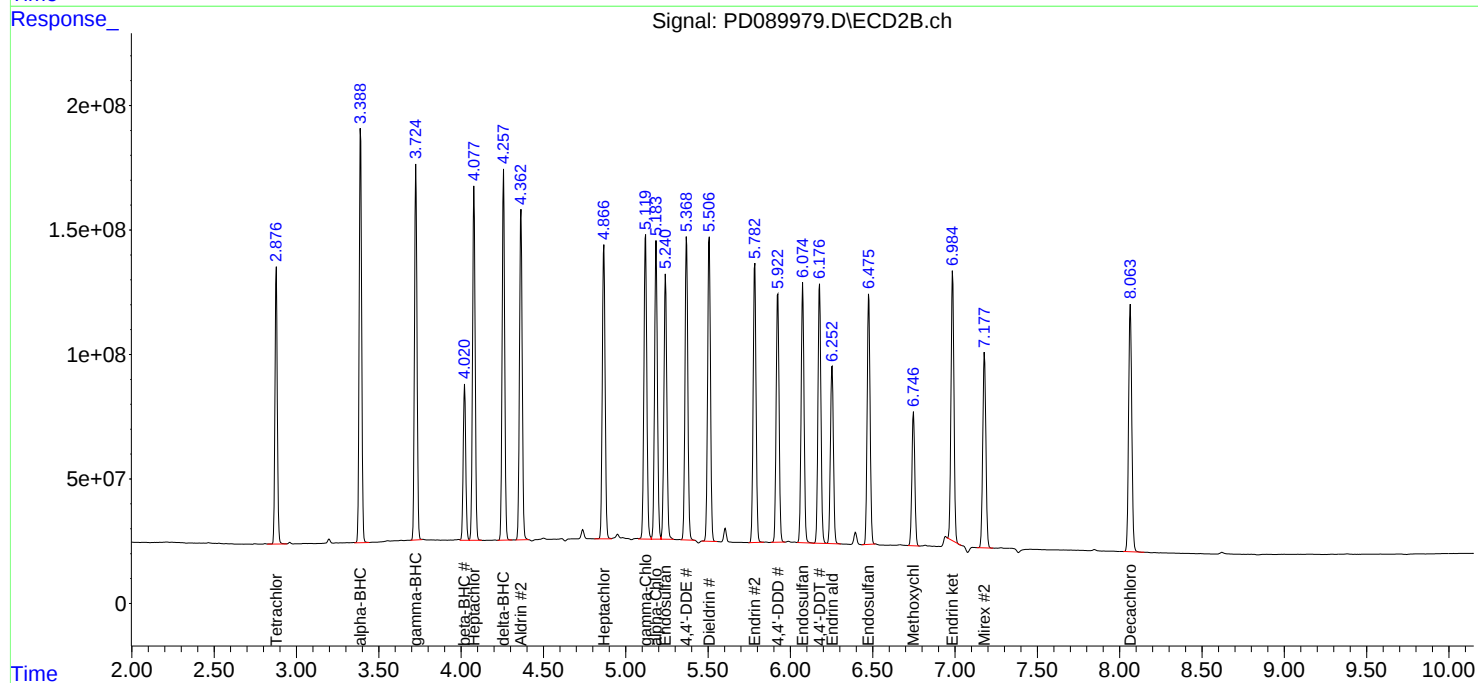
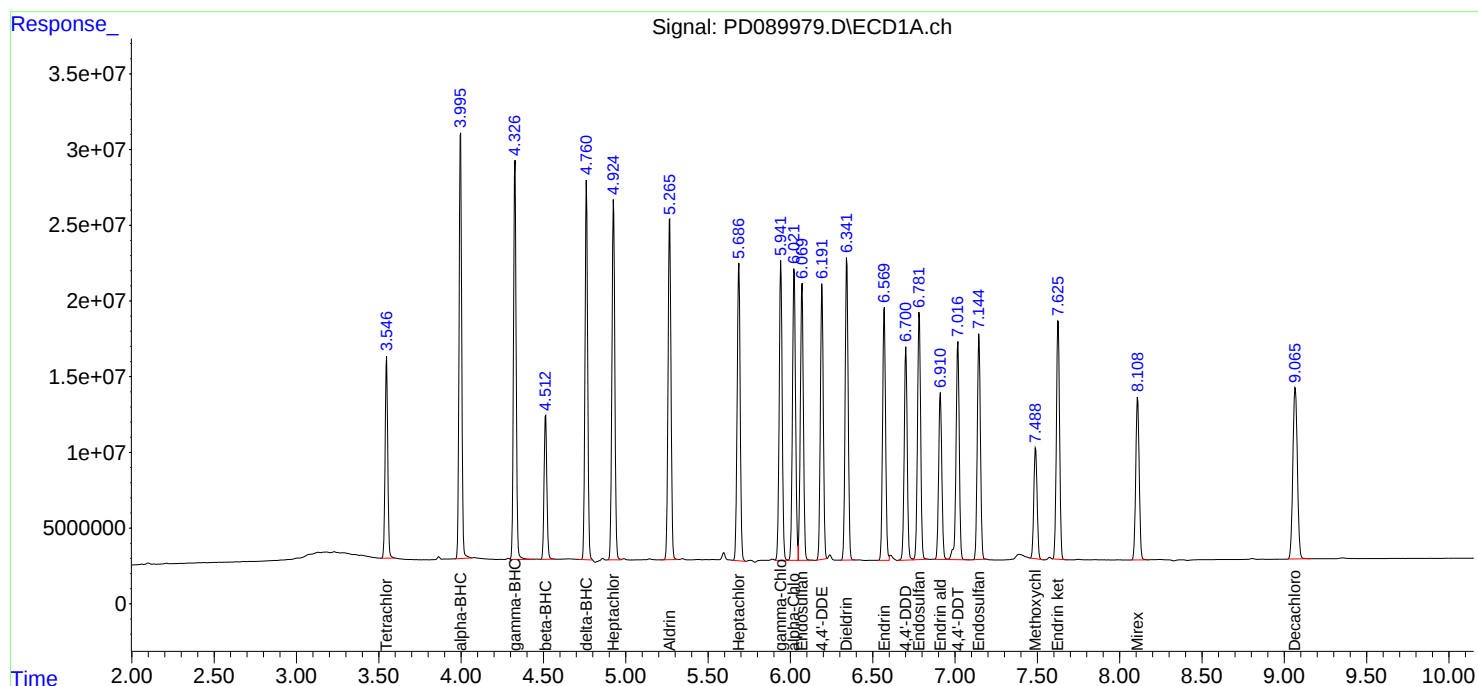
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089979.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:12
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD081825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:09:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:46:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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\PD081825\
 Data File : PD089980.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 16:25
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD081825CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:05:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 03:46:26 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...	3.547	2.877	105.2E6	1009.9E6	47.724	48.214
28)	SA Decachlor...	9.067	8.065	156.5E6	982.1E6	45.517	45.545
Target Compounds							
23)	Chlordane-1	4.711	3.901	88163651	447.4E6	489.158	478.122
24)	Chlordane-2	5.238	4.482	87662486	462.8E6	473.296	475.602
25)	Chlordane-3	5.942	5.120	344.8E6	1382.8E6	484.372	478.925
26)	Chlordane-4	6.028	5.184	421.7E6	1188.7E6	480.947	478.047
27)	Chlordane-5	6.867	6.084	71655081	555.0E6	481.570	479.176

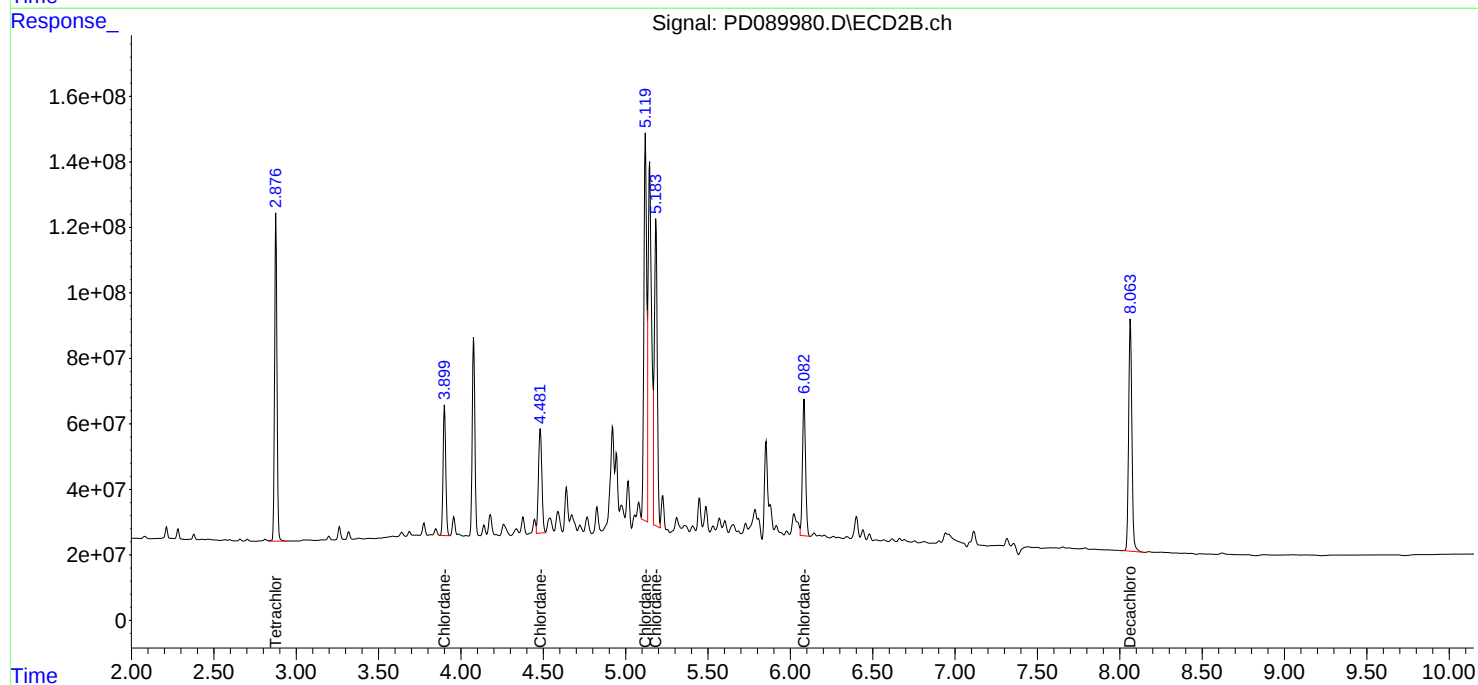
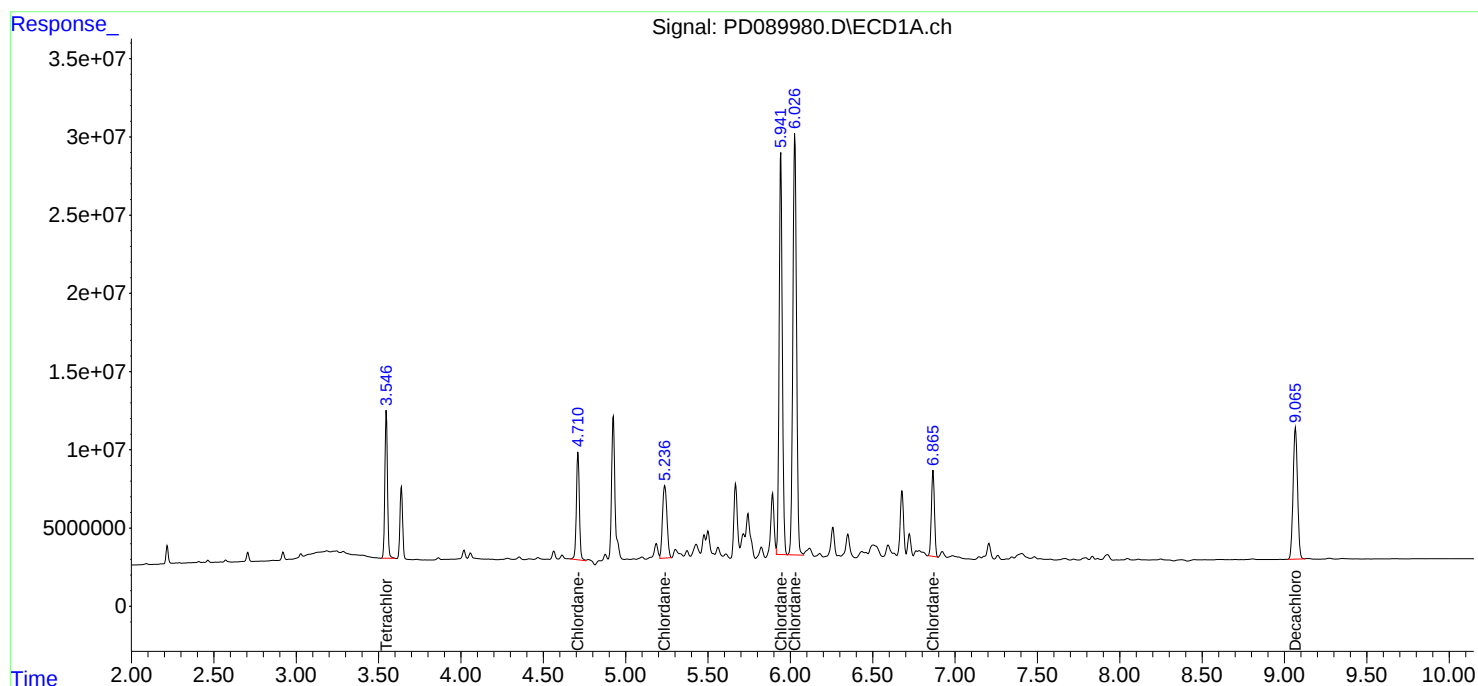
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:25
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD081825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:05:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 03:46:26 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\PD081825\
 Data File : PD089981.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 16:39
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD081825TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:42:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 05:29:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

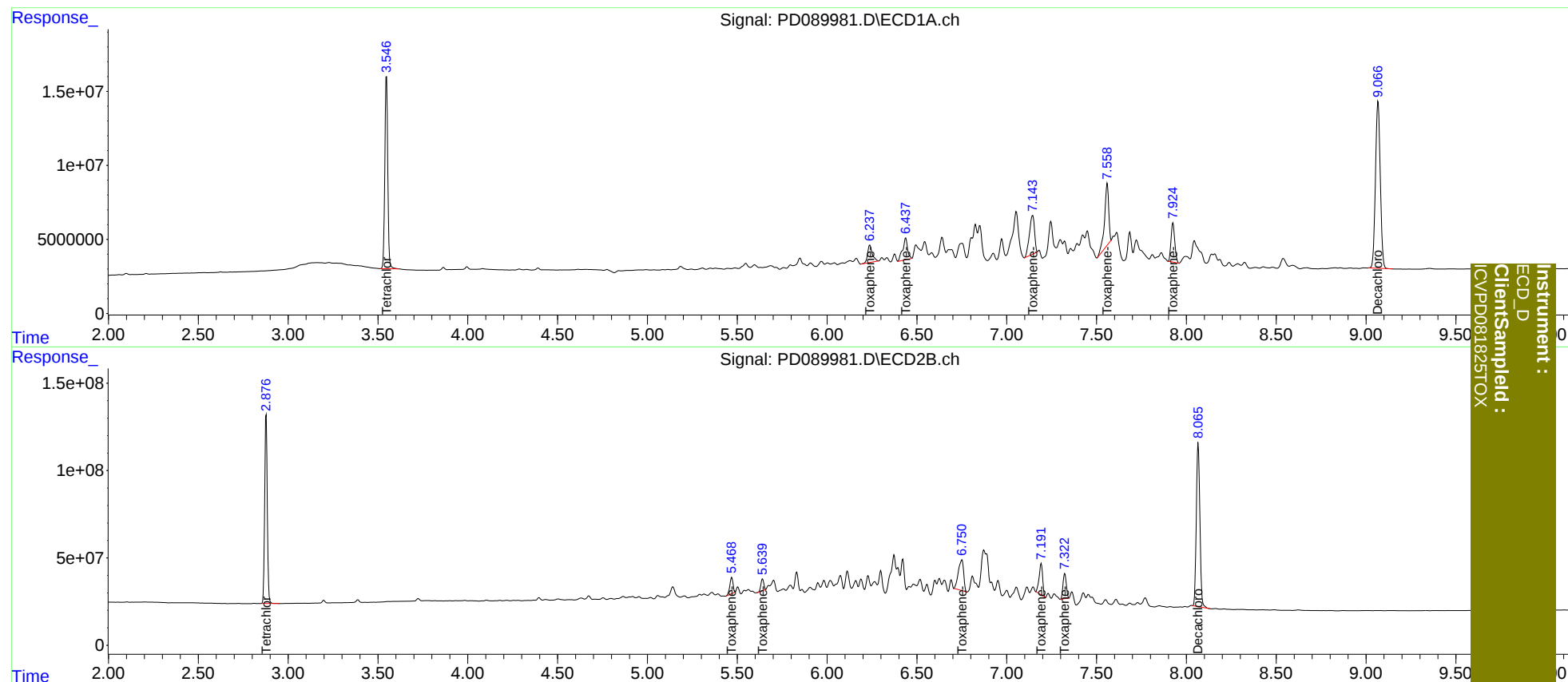
System Monitoring Compounds						
1) SA Tetrachlo...	3.547	2.878	147.4E6	1090.9E6	49.435	48.864
7) SA Decachlor...	9.067	8.066	210.4E6	1287.6E6	48.582	48.517
Target Compounds						
2) Toxaphene-1	6.238	5.470	21450919	113.5E6	495.376	495.411
3) Toxaphene-2	6.438	5.641	27421972	73778939	493.518	480.874
4) Toxaphene-3	7.144	6.751	51705419	359.6E6	490.391	495.621
5) Toxaphene-4	7.560	7.192	67201792	244.5E6	498.414	493.052
6) Toxaphene-5	7.925	7.323	37867351	181.2E6	492.416	504.674

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:39
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:29:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
ECD_D
ClientSample :
IC\PD081825TOX



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Continuing Calib Date: 08/22/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 09:22

Initial Calibration Time(s): 11:25

12:20

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
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	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
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Continuing Calib Date: 08/22/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 09:22

Initial Calibration Time(s): 11:25

12:20

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
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	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
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01
Lab Code: ACE **SDG NO.:** Q2928
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090006.D **Time Analyzed:** 09:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.703	6.602	6.802	49.920	50.000	-0.2
4,4'-DDE	6.193	6.092	6.292	49.250	50.000	-1.5
4,4'-DDT	7.019	6.918	7.118	49.290	50.000	-1.4
Aldrin	5.269	5.167	5.367	49.830	50.000	-0.3
alpha-BHC	3.998	3.897	4.097	50.330	50.000	0.7
alpha-Chlordane	6.024	5.924	6.124	49.060	50.000	-1.9
beta-BHC	4.515	4.414	4.614	48.340	50.000	-3.3
Decachlorobiphenyl	9.069	8.967	9.167	47.120	50.000	-5.8
delta-BHC	4.763	4.662	4.862	53.770	50.000	7.5
Dieldrin	6.345	6.244	6.444	49.490	50.000	-1.0
Endosulfan I	6.072	5.971	6.171	49.090	50.000	-1.8
Endosulfan II	6.784	6.683	6.883	48.460	50.000	-3.1
Endosulfan sulfate	7.147	7.047	7.247	48.380	50.000	-3.2
Endrin	6.572	6.471	6.671	49.210	50.000	-1.6
Endrin aldehyde	6.913	6.812	7.012	50.000	50.000	0.0
Endrin ketone	7.629	7.527	7.727	48.870	50.000	-2.3
gamma-BHC (Lindane)	4.329	4.228	4.428	50.000	50.000	0.0
gamma-Chlordane	5.944	5.843	6.043	49.520	50.000	-1.0
Heptachlor	4.927	4.826	5.026	50.710	50.000	1.4
Heptachlor epoxide	5.689	5.587	5.787	49.700	50.000	-0.6
Methoxychlor	7.492	7.390	7.590	47.300	50.000	-5.4
Tetrachloro-m-xylene	3.549	3.448	3.648	48.550	50.000	-2.9



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01
Lab Code: ACE **SDG NO.:** Q2928
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090006.D **Time Analyzed:** 09:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.924	5.824	6.024	49.510	50.000	-1.0
4,4'-DDE	5.369	5.269	5.469	49.610	50.000	-0.8
4,4'-DDT	6.178	6.078	6.278	50.720	50.000	1.4
Aldrin	4.364	4.264	4.464	49.840	50.000	-0.3
alpha-BHC	3.389	3.290	3.490	49.540	50.000	-0.9
alpha-Chlordane	5.185	5.085	5.285	49.510	50.000	-1.0
beta-BHC	4.021	3.921	4.121	49.090	50.000	-1.8
Decachlorobiphenyl	8.066	7.965	8.165	50.390	50.000	0.8
delta-BHC	4.257	4.158	4.358	49.410	50.000	-1.2
Dieldrin	5.507	5.407	5.607	49.690	50.000	-0.6
Endosulfan I	5.242	5.142	5.342	48.510	50.000	-3.0
Endosulfan II	6.075	5.975	6.175	49.630	50.000	-0.7
Endosulfan sulfate	6.477	6.377	6.577	49.480	50.000	-1.0
Endrin	5.784	5.684	5.884	48.870	50.000	-2.3
Endrin aldehyde	6.253	6.153	6.353	51.580	50.000	3.2
Endrin ketone	6.986	6.886	7.086	49.320	50.000	-1.4
gamma-BHC (Lindane)	3.726	3.626	3.826	49.930	50.000	-0.1
gamma-Chlordane	5.120	5.020	5.220	50.130	50.000	0.3
Heptachlor	4.078	3.978	4.178	49.260	50.000	-1.5
Heptachlor epoxide	4.867	4.767	4.967	49.410	50.000	-1.2
Methoxychlor	6.748	6.649	6.849	47.710	50.000	-4.6
Tetrachloro-m-xylene	2.878	2.778	2.978	48.900	50.000	-2.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
 Data File : PD090006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 09:22
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:52:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.878	142.5E6	1078.2E6	48.553	48.899
28)	SA Decachlor...	9.069	8.066	203.4E6	1304.5E6	47.119	50.395
Target Compounds							
2)	A alpha-BHC	3.998	3.389	302.1E6	1681.5E6	50.331	49.545
3)	MA gamma-BHC...	4.329	3.726	286.4E6	1556.2E6	50.002	49.926
4)	MA Heptachlor	4.927	4.078	284.5E6	1536.4E6	50.713	49.256
5)	MB Aldrin	5.269	4.364	269.8E6	1517.8E6	49.831	49.836
6)	B beta-BHC	4.515	4.021	108.4E6	654.4E6	48.342	49.089
7)	B delta-BHC	4.763	4.257	278.4E6	1559.0E6	53.769	49.413
8)	B Heptachlo...	5.689	4.867	243.9E6	1368.4E6	49.701	49.409
9)	A Endosulfan I	6.072	5.242	226.6E6	1272.1E6	49.092	48.514
10)	B gamma-Chl...	5.944	5.120	242.2E6	1484.5E6	49.522	50.133
11)	B alpha-Chl...	6.024	5.185	241.5E6	1412.9E6	49.057	49.508
12)	B 4,4'-DDE	6.193	5.369	216.1E6	1429.8E6	49.249	49.606
13)	MA Dieldrin	6.345	5.507	242.3E6	1455.4E6	49.494	49.695
14)	MA Endrin	6.572	5.784	203.9E6	1301.5E6	49.208	48.870
15)	B Endosulfa...	6.784	6.075	204.5E6	1255.5E6	48.455	49.634
16)	A 4,4'-DDD	6.703	5.924	172.7E6	1190.5E6	49.920	49.515
17)	MA 4,4'-DDT	7.019	6.178	187.8E6	1271.6E6	49.291	50.724
18)	B Endrin al...	6.913	6.253	143.4E6	888.2E6	50.001	51.578
19)	B Endosulfa...	7.147	6.477	189.6E6	1206.3E6	48.376	49.479
20)	A Methoxychlor	7.492	6.748	94859277	615.3E6	47.297	47.714
21)	B Endrin ke...	7.629	6.986	202.6E6	1314.0E6	48.875	49.316
22)	Mirex	8.111	7.179	149.1E6	1028.6E6	47.280	49.795

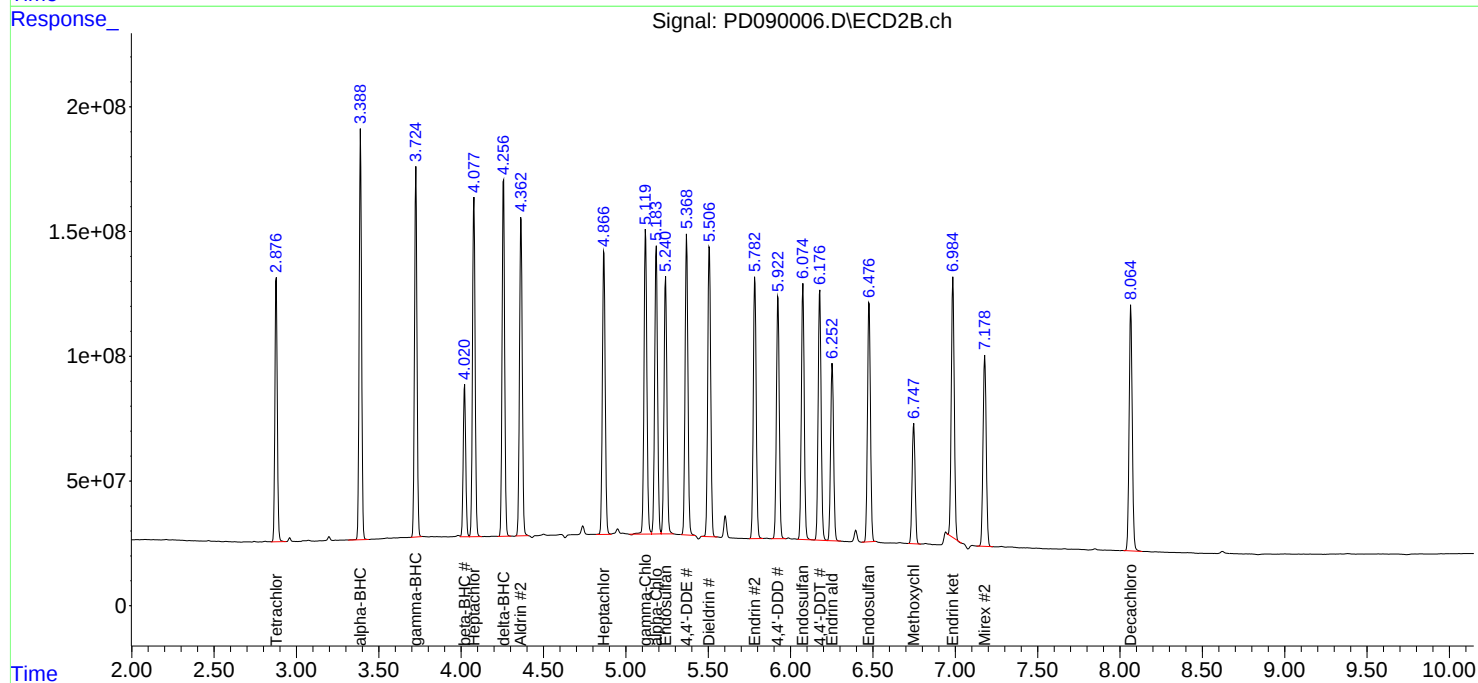
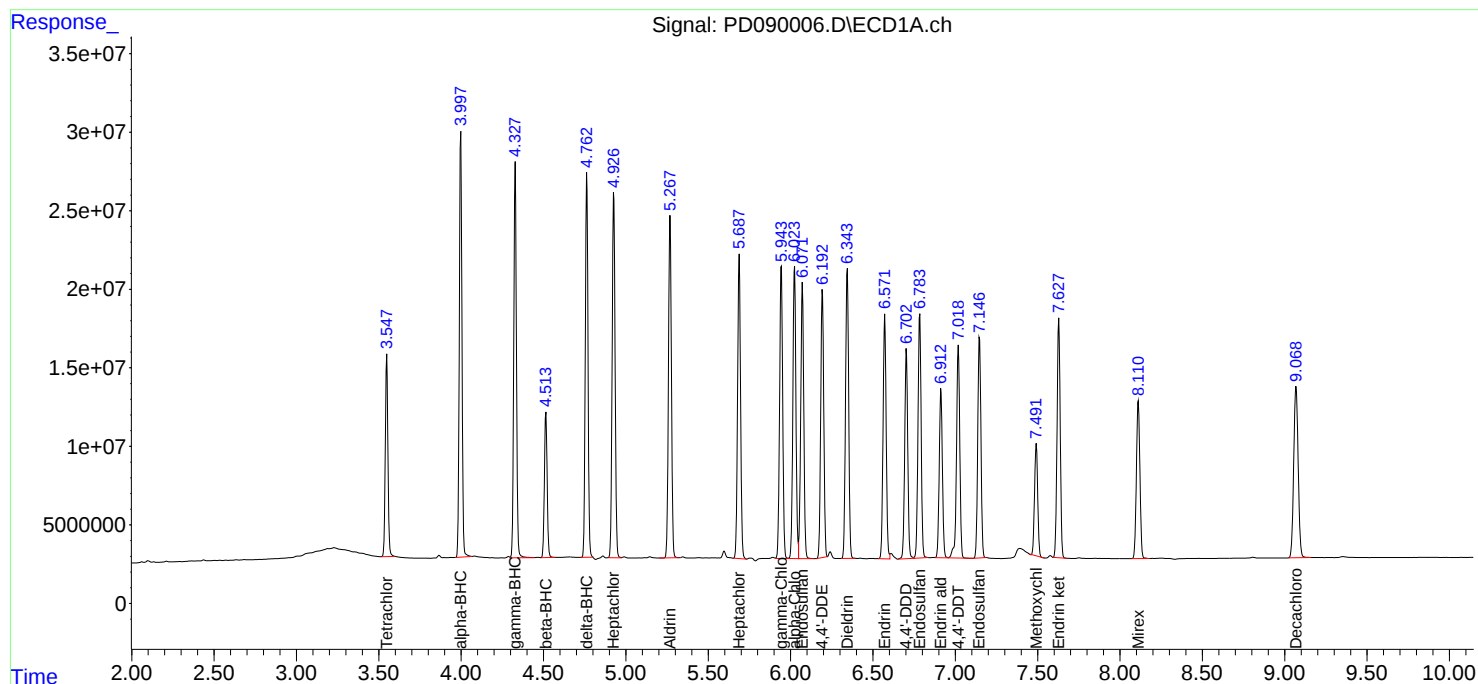
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 09:22
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:52:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Continuing Calib Date: 08/22/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 17:27

Initial Calibration Time(s): 11:25

12:20

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Continuing Calib Date: 08/22/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 17:27

Initial Calibration Time(s): 11:25

12:20

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
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	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
Aldrin	4.37	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.78	5.68	5.88	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.92	5.82	6.02	-0.01
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.25	6.15	6.35	-0.01
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01
Lab Code: ACE **SDG NO.:** Q2928
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090015.D **Time Analyzed:** 17:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.710	6.602	6.802	53.540	50.000	7.1
4,4'-DDE	6.200	6.092	6.292	54.260	50.000	8.5
4,4'-DDT	7.024	6.918	7.118	50.820	50.000	1.6
Aldrin	5.275	5.167	5.367	56.290	50.000	12.6
alpha-BHC	4.004	3.897	4.097	58.750	50.000	17.5
alpha-Chlordane	6.031	5.924	6.124	54.360	50.000	8.7
beta-BHC	4.521	4.414	4.614	56.040	50.000	12.1
Decachlorobiphenyl	9.076	8.967	9.167	52.290	50.000	4.6
delta-BHC	4.770	4.662	4.862	61.760	50.000	23.5
Dieldrin	6.352	6.244	6.444	54.040	50.000	8.1
Endosulfan I	6.079	5.971	6.171	54.090	50.000	8.2
Endosulfan II	6.791	6.683	6.883	51.500	50.000	3.0
Endosulfan sulfate	7.154	7.047	7.247	51.450	50.000	2.9
Endrin	6.579	6.471	6.671	53.140	50.000	6.3
Endrin aldehyde	6.920	6.812	7.012	53.040	50.000	6.1
Endrin ketone	7.634	7.527	7.727	50.810	50.000	1.6
gamma-BHC (Lindane)	4.335	4.228	4.428	58.450	50.000	16.9
gamma-Chlordane	5.950	5.843	6.043	55.230	50.000	10.5
Heptachlor	4.934	4.826	5.026	57.940	50.000	15.9
Heptachlor epoxide	5.695	5.587	5.787	55.350	50.000	10.7
Methoxychlor	7.498	7.390	7.590	49.570	50.000	-0.9
Tetrachloro-m-xylene	3.554	3.448	3.648	54.750	50.000	9.5



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01
Lab Code: ACE **SDG NO.:** Q2928
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090015.D **Time Analyzed:** 17:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.925	5.824	6.024	52.830	50.000	5.7
4,4'-DDE	5.371	5.269	5.469	53.680	50.000	7.4
4,4'-DDT	6.179	6.078	6.278	52.310	50.000	4.6
Aldrin	4.365	4.264	4.464	55.710	50.000	11.4
alpha-BHC	3.390	3.290	3.490	55.820	50.000	11.6
alpha-Chlordane	5.186	5.085	5.285	53.880	50.000	7.8
beta-BHC	4.022	3.921	4.121	55.220	50.000	10.4
Decachlorobiphenyl	8.068	7.965	8.165	45.320	50.000	-9.4
delta-BHC	4.258	4.158	4.358	55.970	50.000	11.9
Dieldrin	5.508	5.407	5.607	53.520	50.000	7.0
Endosulfan I	5.243	5.142	5.342	52.910	50.000	5.8
Endosulfan II	6.077	5.975	6.175	51.540	50.000	3.1
Endosulfan sulfate	6.478	6.377	6.577	50.260	50.000	0.5
Endrin	5.785	5.684	5.884	52.860	50.000	5.7
Endrin aldehyde	6.255	6.153	6.353	53.600	50.000	7.2
Endrin ketone	6.988	6.886	7.086	47.670	50.000	-4.7
gamma-BHC (Lindane)	3.726	3.626	3.826	56.150	50.000	12.3
gamma-Chlordane	5.122	5.020	5.220	54.550	50.000	9.1
Heptachlor	4.079	3.978	4.178	55.660	50.000	11.3
Heptachlor epoxide	4.868	4.767	4.967	54.580	50.000	9.2
Methoxychlor	6.750	6.649	6.849	48.600	50.000	-2.8
Tetrachloro-m-xylene	2.877	2.778	2.978	54.120	50.000	8.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
 Data File : PD090015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 17:27
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/25/2025
 Supervised By : mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:53:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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...	3.554	2.877	160.7E6	1193.4E6	54.749	54.122
28)	SA Decachlor...	9.076	8.068	225.7E6	1173.1E6	52.293	45.317
Target Compounds							
2)	A alpha-BHC	4.004	3.390	352.7E6	1894.3E6	58.754	55.816
3)	MA gamma-BHC...	4.335	3.726	334.7E6	1750.3E6	58.449	56.152
4)	MA Heptachlor	4.934	4.079	325.0E6	1736.2E6	57.940	55.664
5)	MB Aldrin	5.275	4.365	304.8E6	1696.5E6	56.289	55.705
6)	B beta-BHC	4.521	4.022	125.7E6	736.2E6	56.043	55.225
7)	B delta-BHC	4.770	4.258	319.8E6	1765.7E6	61.760	55.966
8)	B Heptachlo...	5.695	4.868	271.6E6	1511.7E6	55.348	54.585
9)	A Endosulfan I	6.079	5.243	249.6E6	1387.5E6	54.093	52.913
10)	B gamma-Chl...	5.950	5.122	270.1E6	1615.2E6	55.229	54.548
11)	B alpha-Chl...	6.031	5.186	267.6E6	1537.7E6	54.357	53.883
12)	B 4,4'-DDE	6.200	5.371	238.1E6	1547.3E6	54.256	53.684
13)	MA Dieldrin	6.352	5.508	264.6E6	1567.5E6	54.044	53.521
14)	MA Endrin	6.579	5.785	220.2E6	1407.6E6	53.136	52.855
15)	B Endosulfa...	6.791	6.077	217.3E6	1303.6E6	51.504	51.538
16)	A 4,4'-DDD	6.710	5.925	185.2E6	1270.2E6	53.540	52.828
17)	MA 4,4'-DDT	7.024	6.179	193.6E6	1311.3E6	50.822m	52.307
18)	B Endrin al...	6.920	6.255	152.1E6	922.9E6	53.044	53.596
19)	B Endosulfa...	7.154	6.478	201.6E6	1225.2E6	51.449	50.256
20)	A Methoxychlor	7.498	6.750	99423785	626.8E6	49.573	48.603
21)	B Endrin ke...	7.634	6.988	210.6E6	1270.2E6	50.811	47.672
22)	Mirex	8.117	7.181	153.9E6	938.8E6	48.790	45.450

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 17:27
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

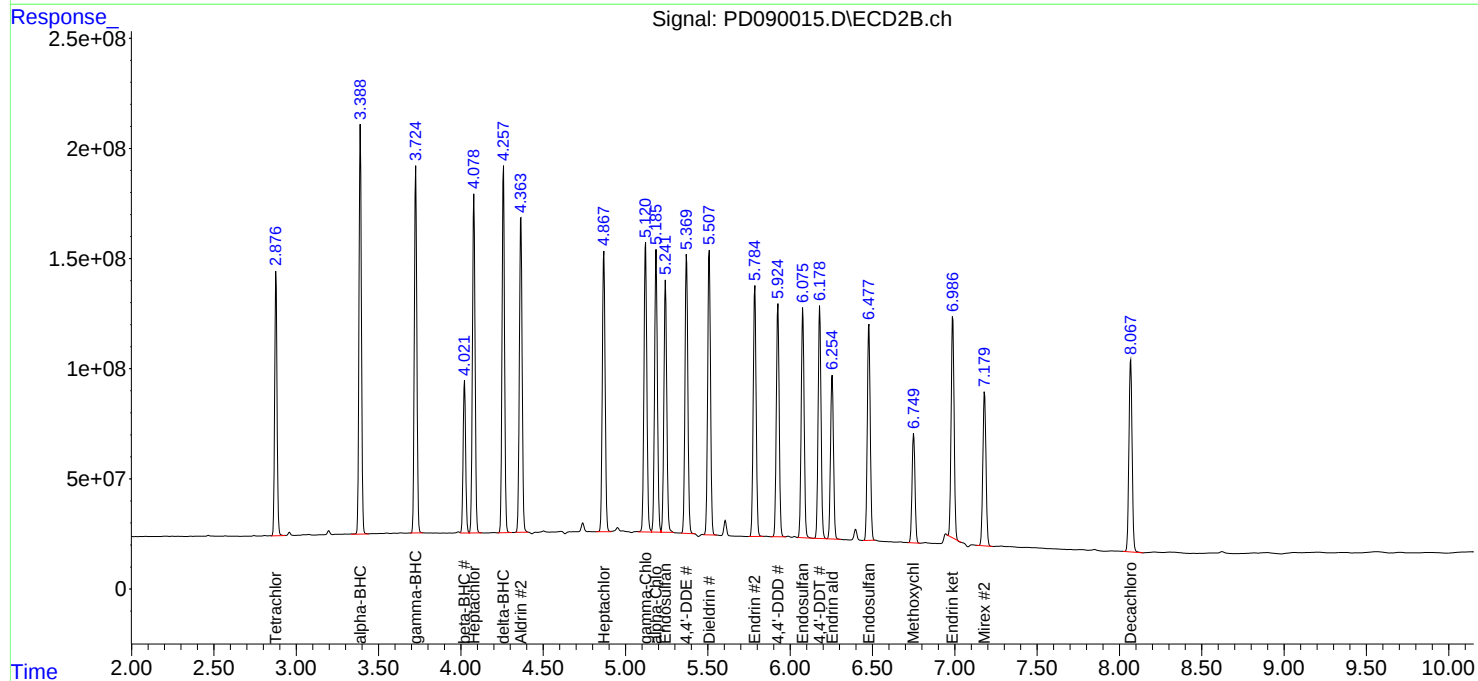
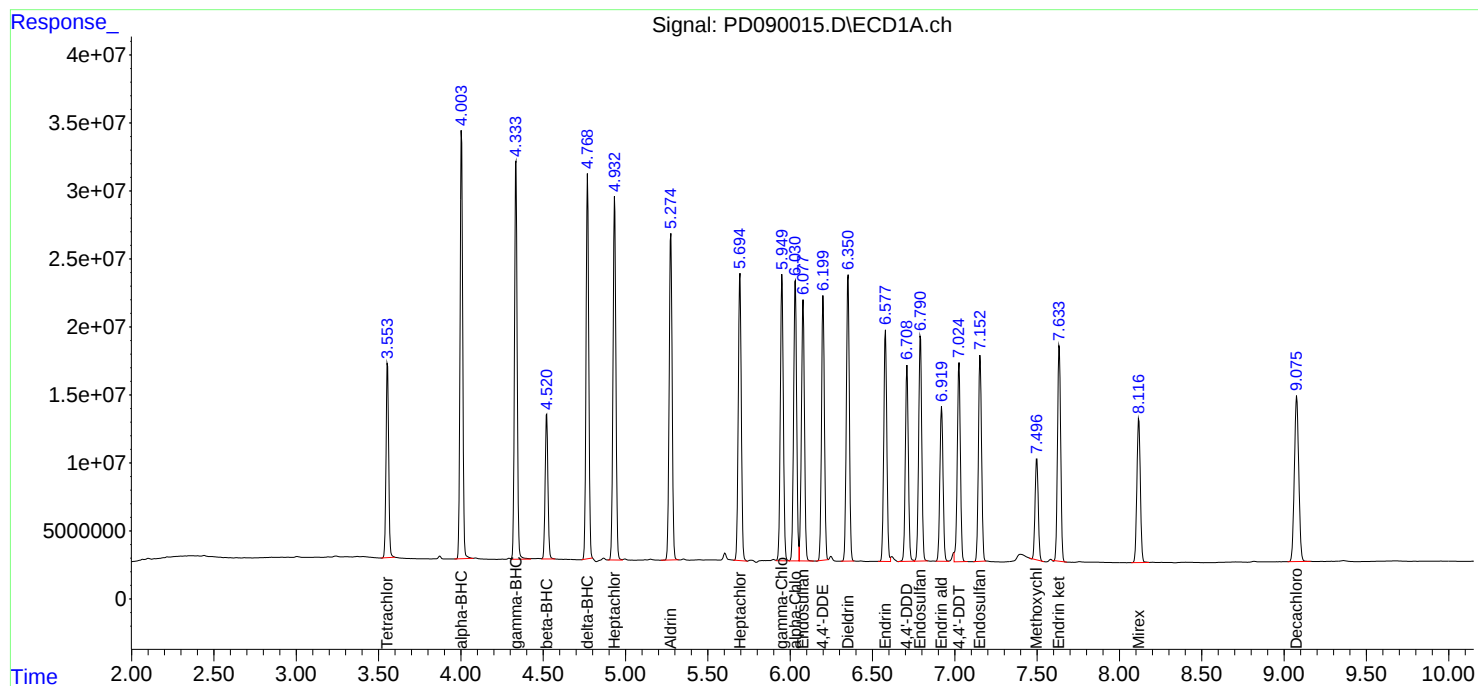
APPROVED

Reviewed By :Abdul Mirza 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:53:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Continuing Calib Date: 08/22/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 20:25

Initial Calibration Time(s): 11:25

12:20

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
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	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
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Continuing Calib Date: 08/22/2025

Initial Calibration Date(s): 08/18/2025

08/18/2025

Continuing Calib Time: 20:25

Initial Calibration Time(s): 11:25

12:20

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	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	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
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.01
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** HERO01
Lab Code: ACE **SDG NO.:** Q2928
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090025.D **Time Analyzed:** 20:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.602	6.802	54.650	50.000	9.3
4,4'-DDE	6.194	6.092	6.292	54.590	50.000	9.2
4,4'-DDT	7.020	6.918	7.118	46.250	50.000	-7.5
Aldrin	5.269	5.167	5.367	56.420	50.000	12.8
alpha-BHC	3.998	3.897	4.097	57.250	50.000	14.5
alpha-Chlordane	6.024	5.924	6.124	54.280	50.000	8.6
beta-BHC	4.515	4.414	4.614	54.540	50.000	9.1
Decachlorobiphenyl	9.070	8.967	9.167	49.980	50.000	0.0
delta-BHC	4.762	4.662	4.862	61.400	50.000	22.8
Dieldrin	6.344	6.244	6.444	54.410	50.000	8.8
Endosulfan I	6.072	5.971	6.171	54.250	50.000	8.5
Endosulfan II	6.785	6.683	6.883	51.940	50.000	3.9
Endosulfan sulfate	7.148	7.047	7.247	50.690	50.000	1.4
Endrin	6.572	6.471	6.671	53.260	50.000	6.5
Endrin aldehyde	6.913	6.812	7.012	52.140	50.000	4.3
Endrin ketone	7.629	7.527	7.727	48.800	50.000	-2.4
gamma-BHC (Lindane)	4.329	4.228	4.428	55.950	50.000	11.9
gamma-Chlordane	5.944	5.843	6.043	55.660	50.000	11.3
Heptachlor	4.927	4.826	5.026	52.990	50.000	6.0
Heptachlor epoxide	5.688	5.587	5.787	54.400	50.000	8.8
Methoxychlor	7.491	7.390	7.590	42.630	50.000	-14.7
Tetrachloro-m-xylene	3.549	3.448	3.648	54.190	50.000	8.4



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: HERO01

Lab Code: ACE SDG NO.: Q2928

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No.: CCAL03 Date Analyzed: 08/22/2025

Lab Sample No.: PSTDCCC050 Data File : PD090025.D Time Analyzed: 20:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.924	5.824	6.024	54.290	50.000	8.6
4,4'-DDE	5.370	5.269	5.469	54.180	50.000	8.4
4,4'-DDT	6.177	6.078	6.278	47.480	50.000	-5.0
Aldrin	4.364	4.264	4.464	55.160	50.000	10.3
alpha-BHC	3.390	3.290	3.490	55.020	50.000	10.0
alpha-Chlordane	5.185	5.085	5.285	54.030	50.000	8.1
beta-BHC	4.021	3.921	4.121	54.650	50.000	9.3
Decachlorobiphenyl	8.065	7.965	8.165	47.320	50.000	-5.4
delta-BHC	4.257	4.158	4.358	54.990	50.000	10.0
Dieldrin	5.507	5.407	5.607	54.230	50.000	8.5
Endosulfan I	5.242	5.142	5.342	52.870	50.000	5.7
Endosulfan II	6.075	5.975	6.175	52.530	50.000	5.1
Endosulfan sulfate	6.477	6.377	6.577	50.370	50.000	0.7
Endrin	5.784	5.684	5.884	55.430	50.000	10.9
Endrin aldehyde	6.253	6.153	6.353	53.510	50.000	7.0
Endrin ketone	6.986	6.886	7.086	47.670	50.000	-4.7
gamma-BHC (Lindane)	3.726	3.626	3.826	54.590	50.000	9.2
gamma-Chlordane	5.120	5.020	5.220	54.700	50.000	9.4
Heptachlor	4.078	3.978	4.178	51.800	50.000	3.6
Heptachlor epoxide	4.867	4.767	4.967	54.190	50.000	8.4
Methoxychlor	6.747	6.649	6.849	45.640	50.000	-8.7
Tetrachloro-m-xylene	2.878	2.778	2.978	53.630	50.000	7.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
 Data File : PD090025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 20:25
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/25/2025
 Supervised By : mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:56:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.878	159.0E6	1182.6E6	54.187	53.631
28)	SA Decachlor...	9.070	8.065	215.7E6	1224.8E6	49.975	47.316
Target Compounds							
2)	A alpha-BHC	3.998	3.390	343.6E6	1867.4E6	57.246	55.024
3)	MA gamma-BHC...	4.329	3.726	320.4E6	1701.5E6	55.947	54.586
4)	MA Heptachlor	4.927	4.078	297.2E6	1615.9E6	52.993	51.805
5)	MB Aldrin	5.269	4.364	305.5E6	1679.8E6	56.425	55.155
6)	B beta-BHC	4.515	4.021	122.3E6	728.6E6	54.539	54.654
7)	B delta-BHC	4.762	4.257	317.9E6	1734.9E6	61.397m	54.990
8)	B Heptachlo...	5.688	4.867	266.9E6	1500.8E6	54.401	54.190
9)	A Endosulfan I	6.072	5.242	250.3E6	1386.3E6	54.246	52.868
10)	B gamma-Chl...	5.944	5.120	272.2E6	1619.8E6	55.661	54.703
11)	B alpha-Chl...	6.024	5.185	267.2E6	1541.9E6	54.279	54.030
12)	B 4,4'-DDE	6.194	5.370	239.6E6	1561.6E6	54.593	54.178
13)	MA Dieldrin	6.344	5.507	266.4E6	1588.1E6	54.409	54.226
14)	MA Endrin	6.572	5.784	220.7E6	1476.2E6	53.264	55.428
15)	B Endosulfa...	6.785	6.075	219.2E6	1328.7E6	51.936	52.527
16)	A 4,4'-DDD	6.704	5.924	189.0E6	1305.3E6	54.651	54.287
17)	MA 4,4'-DDT	7.020	6.177	176.2E6	1190.3E6	46.249	47.481
18)	B Endrin al...	6.913	6.253	149.5E6	921.5E6	52.138	53.515
19)	B Endosulfa...	7.148	6.477	198.6E6	1227.9E6	50.686	50.366
20)	A Methoxychlor	7.491	6.747	85493217	588.5E6	42.627	45.638m
21)	B Endrin ke...	7.629	6.986	202.3E6	1270.1E6	48.800	47.667
22)	Mirex	8.111	7.179	149.6E6	988.2E6	47.434	47.839

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 20:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

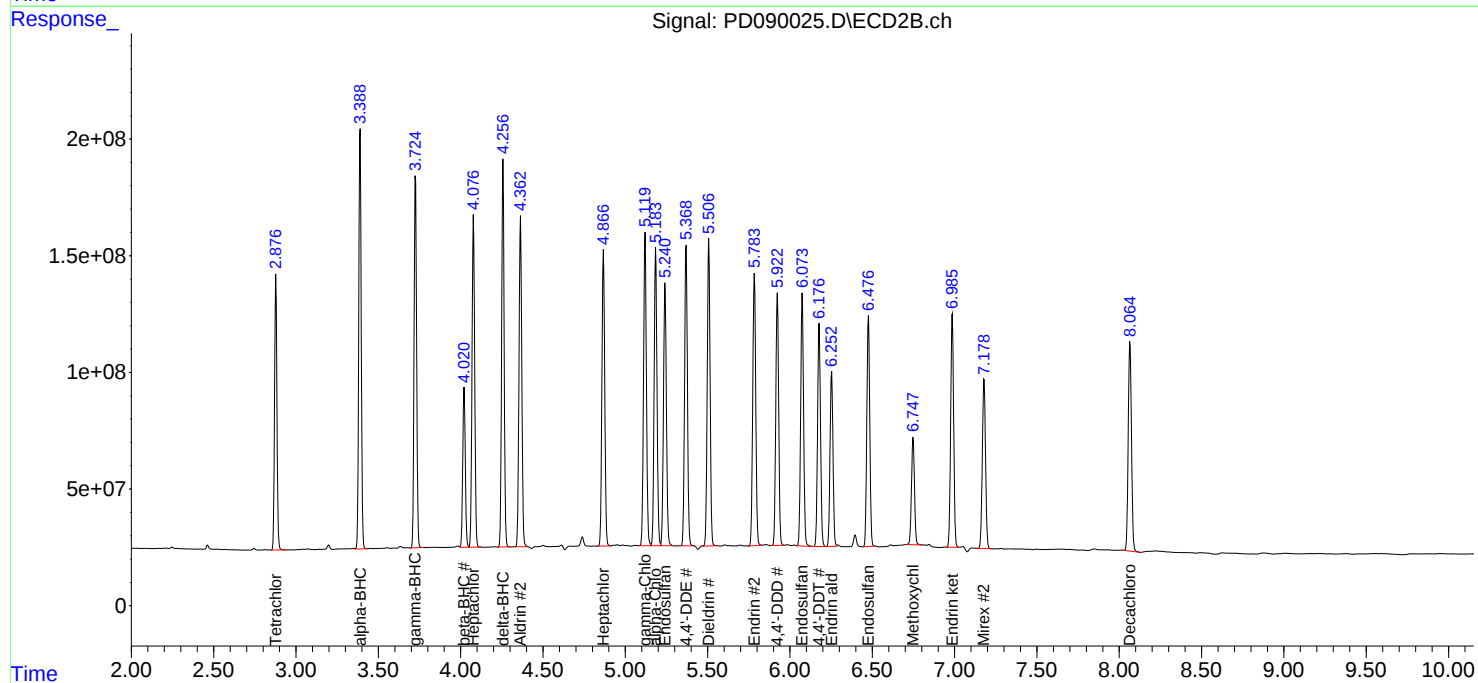
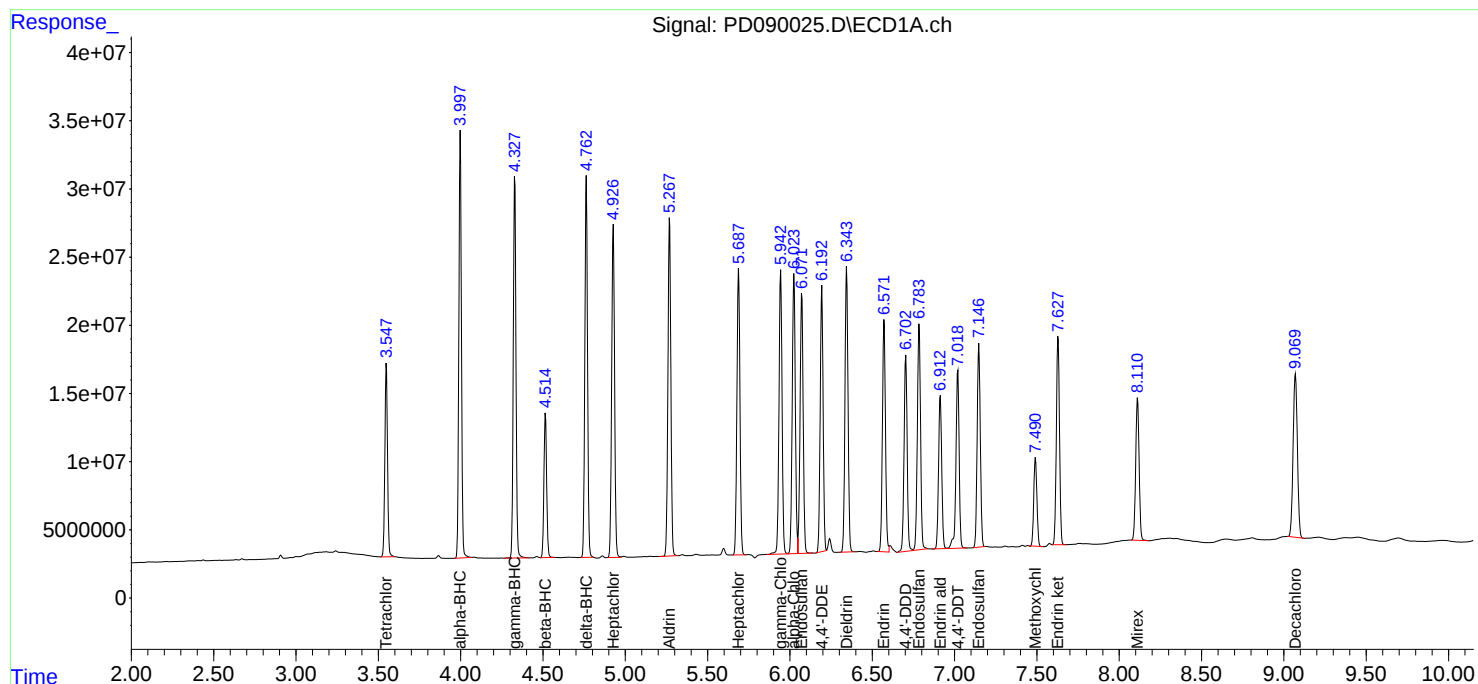
APPROVED

Reviewed By :Abdul Mirza 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:56:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD089962.D Date Analyzed: 08/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:57

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.067	8.970	9.170	19.240	20.000	-3.8
Tetrachloro-m-xylene	3.547	3.500	3.600	18.000	20.000	-10.0
alpha-BHC	3.996	3.950	4.050	8.460	10.000	-15.4
beta-BHC	4.514	4.460	4.560	9.550	10.000	-4.5
gamma-BHC (Lindane)	4.327	4.280	4.380	8.800	10.000	-12.0
Endrin	6.571	6.500	6.640	46.440	50.000	-7.1
4,4'-DDT	7.017	6.950	7.090	92.340	100.000	-7.7
Methoxychlor	7.490	7.420	7.560	216.780	250.000	-13.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD089962.D Date Analyzed: 08/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:57

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.065	7.960	8.170	18.090	20.000	-9.6
Tetrachloro-m-xylene	2.878	2.830	2.930	18.480	20.000	-7.6
alpha-BHC	3.390	3.340	3.440	9.940	10.000	-0.6
beta-BHC	4.022	3.970	4.070	10.050	10.000	0.5
gamma-BHC (Lindane)	3.726	3.680	3.780	9.780	10.000	-2.2
Endrin	5.784	5.710	5.850	44.880	50.000	-10.2
4,4'-DDT	6.177	6.110	6.250	86.730	100.000	-13.3
Methoxychlor	6.748	6.680	6.820	185.620	250.000	-25.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
 Data File : PD089962.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 10:57
 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: Aug 19 05:50:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 05:46:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	52822124	407.5E6	17.998	18.482
28)	SA Decachlor...	9.067	8.065	83019356	468.1E6	19.236	18.085
Target Compounds							
2)	A alpha-BHC	3.996	3.390	50768567	337.3E6	8.458	9.937
3)	MA gamma-BHC...	4.327	3.726	50414597	304.8E6	8.803	9.777
6)	B beta-BHC	4.514	4.022	21427253	134.0E6	9.553	10.050
14)	MA Endrin	6.571	5.784	192.4E6	1195.1E6	46.444	44.876
16)	A 4,4'-DDD	6.702	5.925	2470686	19040432	0.714	0.792
17)	MA 4,4'-DDT	7.017	6.177	351.8E6	2174.2E6	92.342	86.726
18)	B Endrin al...	6.914	6.252	879623	12473710	0.307	0.724 #
20)	A Methoxychlor	7.490	6.748	434.8E6	2393.7E6	216.778	185.618
21)	B Endrin ke...	7.626	6.985	1872381	21266333	0.452	0.798 #

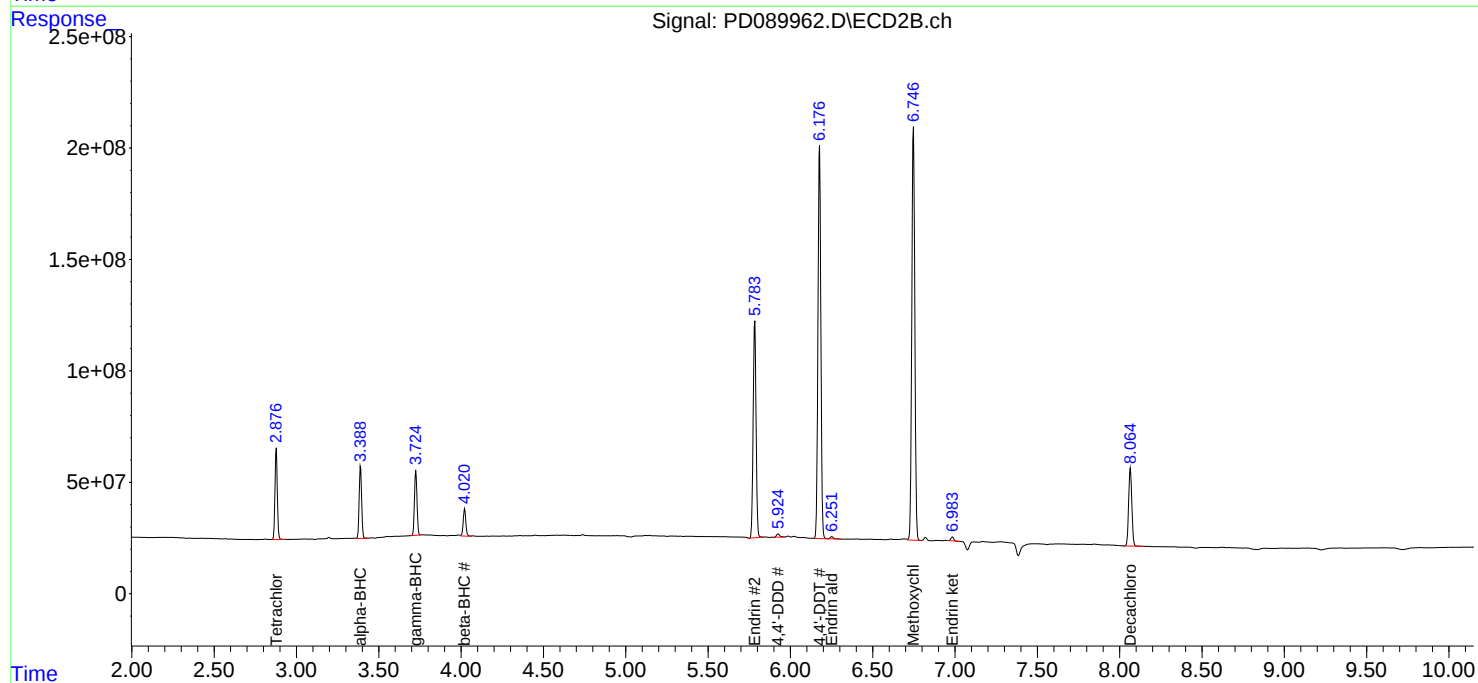
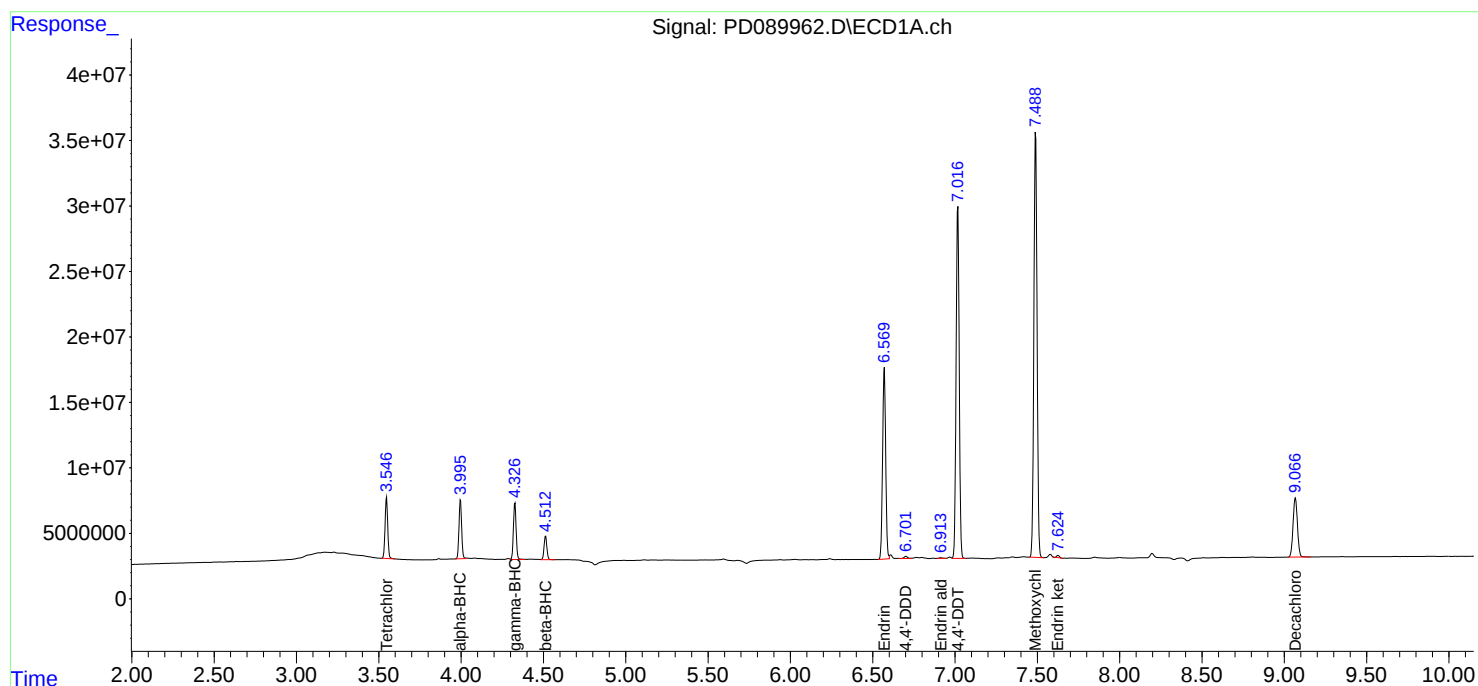
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089962.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:57
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: Aug 19 05:50:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:46:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD089984.D Date Analyzed: 08/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.068	8.970	9.170	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.548	3.500	3.600	19.190	20.000	-4.1
alpha-BHC	3.997	3.950	4.050	9.130	10.000	-8.7
beta-BHC	4.514	4.460	4.560	10.180	10.000	1.8
gamma-BHC (Lindane)	4.328	4.280	4.380	9.590	10.000	-4.1
Endrin	6.571	6.500	6.640	49.490	50.000	-1.0
4,4'-DDT	7.018	6.950	7.090	98.070	100.000	-1.9
Methoxychlor	7.490	7.420	7.560	227.100	250.000	-9.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD089984.D Date Analyzed: 08/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.064	7.960	8.160	20.880	20.000	4.4
Tetrachloro-m-xylene	2.877	2.830	2.930	20.120	20.000	0.6
alpha-BHC	3.389	3.340	3.440	10.970	10.000	9.7
beta-BHC	4.021	3.970	4.070	11.020	10.000	10.2
gamma-BHC (Lindane)	3.725	3.670	3.780	10.890	10.000	8.9
Endrin	5.783	5.710	5.850	49.400	50.000	-1.2
4,4'-DDT	6.176	6.110	6.250	98.140	100.000	-1.9
Methoxychlor	6.746	6.680	6.820	199.400	250.000	-20.2

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090005.D Date Analyzed: 08/22/2025

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

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.070	8.970	9.170	21.530	20.000	7.7
Tetrachloro-m-xylene	3.549	3.500	3.600	20.780	20.000	3.9
alpha-BHC	3.998	3.950	4.050	9.970	10.000	-0.3
beta-BHC	4.515	4.460	4.570	11.000	10.000	10.0
gamma-BHC (Lindane)	4.329	4.280	4.380	10.370	10.000	3.7
Endrin	6.573	6.500	6.640	53.910	50.000	7.8
4,4'-DDT	7.020	6.950	7.090	106.940	100.000	6.9
Methoxychlor	7.492	7.420	7.560	244.580	250.000	-2.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090005.D Date Analyzed: 08/22/2025

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

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.066	7.970	8.170	22.850	20.000	14.3
Tetrachloro-m-xylene	2.877	2.830	2.930	21.800	20.000	9.0
alpha-BHC	3.389	3.340	3.440	11.980	10.000	19.8
beta-BHC	4.021	3.970	4.070	11.620	10.000	16.2
gamma-BHC (Lindane)	3.726	3.680	3.780	11.800	10.000	18.0
Endrin	5.784	5.710	5.850	52.900	50.000	5.8
4,4'-DDT	6.178	6.110	6.250	106.660	100.000	6.7
Methoxychlor	6.748	6.680	6.820	207.350	250.000	-17.1

PEM
 Data File: PD090005.D Date Acquired 8/22/2025 9:09
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	223398931.2	228404809.4	5005878.15	2.19
Endrin aldehyde	6.92	1146080.959			
Endrin ketone	7.63	3859797.194			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1408913915	1471744621	62830706	4.27
Endrin aldehyde #2	6.25	15505194.93			
Endrin ketone #2	6.98	47325511.12			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	407430406.9	412959547	5529140.03	1.34
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	5529140.026			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2673843847	2704758639	30914791.3	1.14
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	30914791.28			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
 Data File : PD090005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 09:09
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/25/2025
 Supervised By :mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:52:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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	2.877	60979560	480.6E6	20.778	21.798
28)	SA Decachlor...	9.070	8.066	92909771	591.5E6	21.527	22.851
Target Compounds							
2)	A alpha-BHC	3.998	3.389	59835965	406.5E6	9.969	11.978
3)	MA gamma-BHC...	4.329	3.726	59379851	367.7E6	10.369	11.798
6)	B beta-BHC	4.515	4.021	24682619	154.9E6	11.004	11.624
14)	MA Endrin	6.573	5.784	223.4E6	1408.9E6	53.915	52.903
16)	A 4,4'-DDD	6.704	5.925	5529140	30914791	1.598	1.286
17)	MA 4,4'-DDT	7.020	6.178	407.4E6	2673.8E6	106.944	106.656
18)	B Endrin al...	6.915	6.252	1146081	15505195	0.400	0.900 #
20)	A Methoxychlor	7.492	6.748	490.5E6	2673.9E6	244.577	207.349
21)	B Endrin ke...	7.628	6.984	3859797	47325511	0.931m	1.776m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 09:09
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

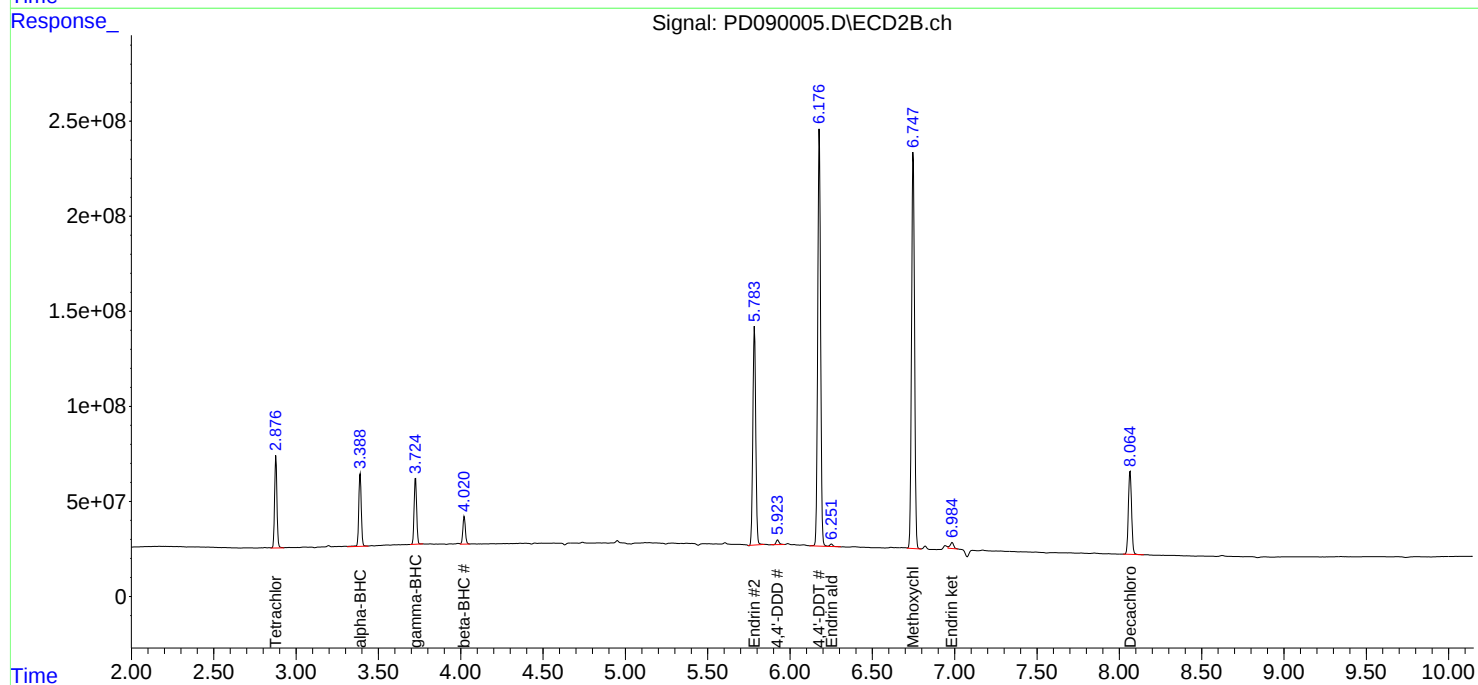
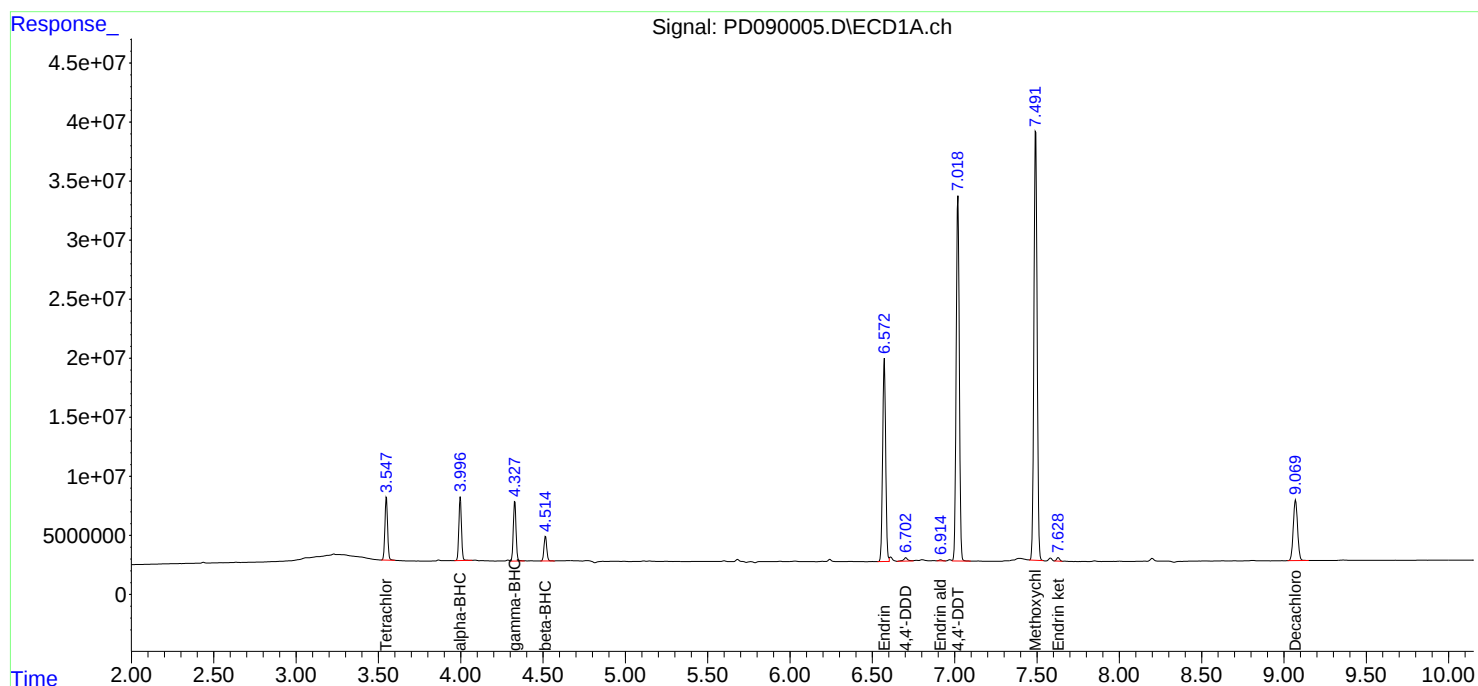
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:52:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090014.D Date Analyzed: 08/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:09

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.070	8.970	9.170	18.830	20.000	-5.9
Tetrachloro-m-xylene	3.549	3.500	3.600	20.270	20.000	1.4
alpha-BHC	3.998	3.950	4.050	9.650	10.000	-3.5
beta-BHC	4.515	4.460	4.570	10.400	10.000	4.0
gamma-BHC (Lindane)	4.329	4.280	4.380	9.880	10.000	-1.2
Endrin	6.573	6.500	6.640	46.210	50.000	-7.6
4,4'-DDT	7.019	6.950	7.090	88.350	100.000	-11.7
Methoxychlor	7.492	7.420	7.560	207.990	250.000	-16.8

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 08/18/2025 08/18/2025

Client Sample No. (PEM): PEM - PD090014.D Date Analyzed: 08/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:09

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.066	7.970	8.170	14.060	20.000	-29.7
Tetrachloro-m-xylene	2.878	2.830	2.930	21.450	20.000	7.3
alpha-BHC	3.388	3.340	3.440	11.280	10.000	12.8
beta-BHC	4.022	3.970	4.070	11.230	10.000	12.3
gamma-BHC (Lindane)	3.726	3.680	3.780	11.310	10.000	13.1
Endrin	5.784	5.710	5.850	44.400	50.000	-11.2
4,4'-DDT	6.178	6.110	6.250	80.980	100.000	-19.0
Methoxychlor	6.749	6.680	6.820	164.910	250.000	-34.0

PEM
 Data File: PD090014.D Date Acquired 8/22/2025 16:09
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	191494223.7	196370666.7	4876443.08	2.48
Endrin aldehyde	6.91	1029457.883			
Endrin ketone	7.63	3846985.195			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1182423197	1231966199	49543001.9	4.02
Endrin aldehyde #2	6.25	10287099.77			
Endrin ketone #2	6.98	39255902.13			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	336575866.9	339912527.8	3336660.87	0.98
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3336660.866			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2030240743	2059368895	29128152.5	1.41
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	29128152.48			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
 Data File : PD090014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 16:09
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/25/2025
 Supervised By : mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:53:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.878	59482804	473.0E6	20.268	21.452
28)	SA Decachlor...	9.070	8.066	81254731	363.8E6	18.827	14.055 #
Target Compounds							
2)	A alpha-BHC	3.998	3.388	57914115	382.9E6	9.649	11.283m
3)	MA gamma-BHC...	4.329	3.726	56561252	352.7E6	9.877	11.315
6)	B beta-BHC	4.515	4.022	23330801	149.7E6	10.402	11.227
14)	MA Endrin	6.573	5.784	191.5E6	1182.4E6	46.215	44.398
16)	A 4,4'-DDD	6.702	5.925	3336661	29128152	0.965m	1.211 #
17)	MA 4,4'-DDT	7.019	6.178	336.6E6	2030.2E6	88.346	80.984
18)	B Endrin al...	6.915	6.253	1029458	10287100	0.359	0.597 #
20)	A Methoxychlor	7.492	6.749	417.2E6	2126.6E6	207.992	164.909
21)	B Endrin ke...	7.627	6.984	3846985	39255902	0.928m	1.473m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 16:09
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

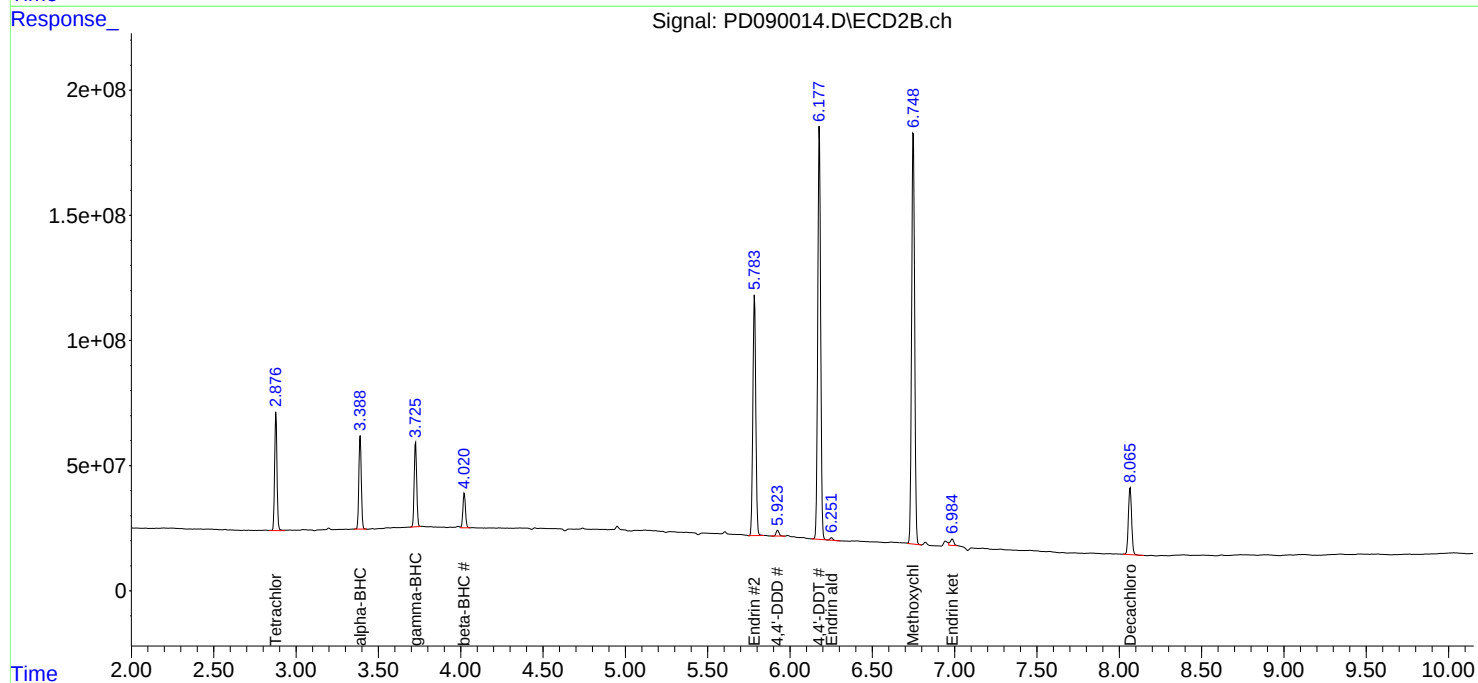
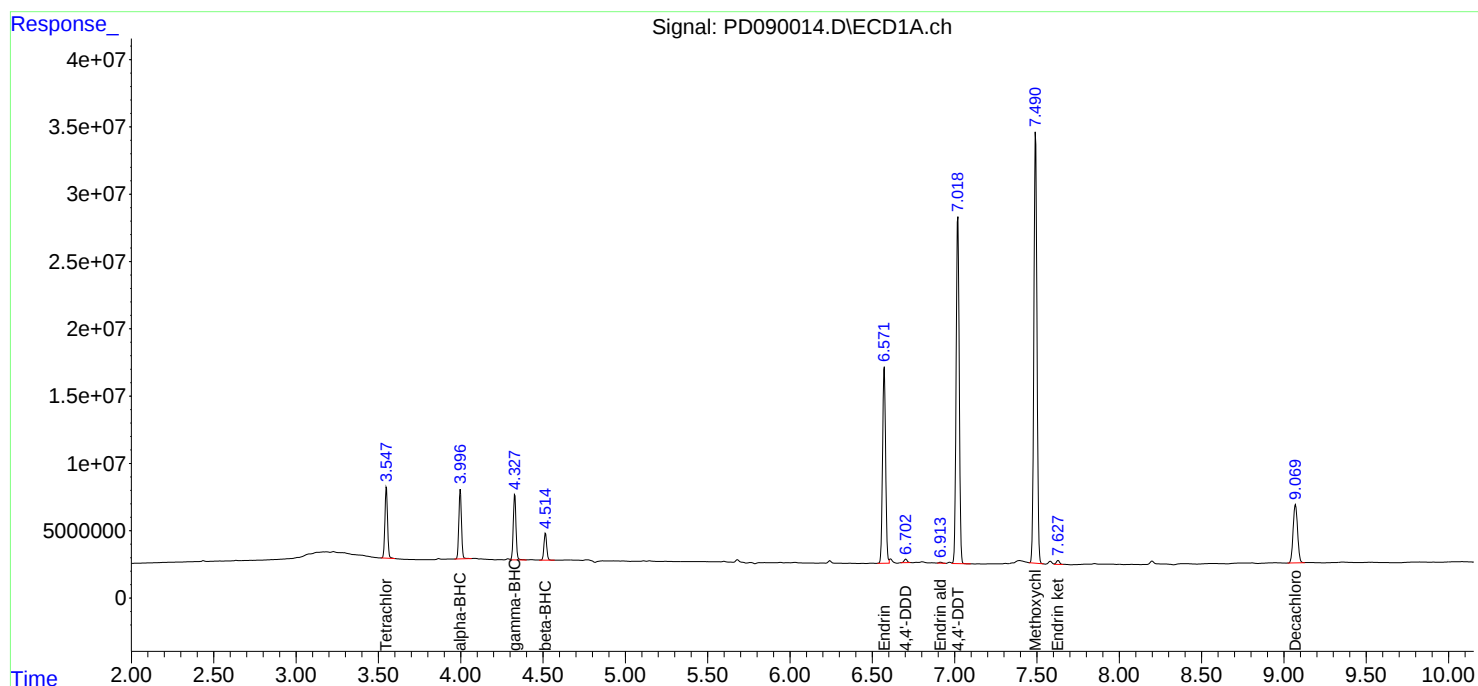
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/25/2025
Supervised By : mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:53:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Hero Construction	SDG No.: Q2928
Project: Residential Soil Testing	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 08/18/2025 08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
LBLK	LBLK	08/18/2025	10:44	PD089961.D	9.07	3.55
PEM	PEM	08/18/2025	10:57	PD089962.D	9.07	3.55
RESCHK	RESCHK	08/18/2025	11:11	PD089963.D	9.07	3.55
PSTDICC100	PSTDICC100	08/18/2025	11:25	PD089964.D	9.07	3.55
PSTDICC075	PSTDICC075	08/18/2025	11:39	PD089965.D	9.07	3.55
PSTDICC050	PSTDICC050	08/18/2025	11:53	PD089966.D	9.07	3.55
PSTDICC025	PSTDICC025	08/18/2025	12:06	PD089967.D	9.07	3.55
PSTDICC005	PSTDICC005	08/18/2025	12:20	PD089968.D	9.07	3.55
PTOXICC500	PTOXICC500	08/18/2025	15:31	PD089976.D	9.07	3.55
LBLK	LBLK	08/19/2025	09:50	PD089983.D	9.07	3.55
PEM	PEM	08/19/2025	10:03	PD089984.D	9.07	3.55
RESCHK	RESCHK	08/19/2025	10:17	PD089985.D	9.07	3.55
PCHLORICC500	PCHLORICC500	08/19/2025	11:24	PD089988.D	9.07	3.55
LBLK	LBLK	08/22/2025	08:55	PD090004.D	9.07	3.55
PEM	PEM	08/22/2025	09:09	PD090005.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/22/2025	09:22	PD090006.D	9.07	3.55
PB169360BL	PB169360BL	08/22/2025	14:34	PD090007.D	9.08	3.56
PB169360BS	PB169360BS	08/22/2025	14:47	PD090008.D	9.07	3.55
LBLK	LBLK	08/22/2025	15:56	PD090013.D	9.07	3.55
PEM	PEM	08/22/2025	16:09	PD090014.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/22/2025	17:27	PD090015.D	9.08	3.55
BRIDGE-WESTMS	Q2915-01MS	08/22/2025	19:17	PD090020.D	9.07	3.55
BRIDGE-WESTMSD	Q2915-01MSD	08/22/2025	19:31	PD090021.D	9.07	3.55
27-BELL	Q2928-01	08/22/2025	19:58	PD090023.D	9.07	3.55
LBLK	LBLK	08/22/2025	20:12	PD090024.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/22/2025	20:25	PD090025.D	9.07	3.55

Analytical Sequence

Client: Hero Construction

SDG No.: Q2928

Project: Residential Soil Testing

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 08/18/2025

08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	08/18/2025	10:44	PD089961.D	8.06	2.88
PEM	PEM	08/18/2025	10:57	PD089962.D	8.07	2.88
RESCHK	RESCHK	08/18/2025	11:11	PD089963.D	8.07	2.88
PSTDICC100	PSTDICC100	08/18/2025	11:25	PD089964.D	8.07	2.88
PSTDICC075	PSTDICC075	08/18/2025	11:39	PD089965.D	8.07	2.88
PSTDICC050	PSTDICC050	08/18/2025	11:53	PD089966.D	8.07	2.88
PSTDICC025	PSTDICC025	08/18/2025	12:06	PD089967.D	8.06	2.88
PSTDICC005	PSTDICC005	08/18/2025	12:20	PD089968.D	8.07	2.88
PTOXICC500	PTOXICC500	08/18/2025	15:31	PD089976.D	8.07	2.88
IBLK	IBLK	08/19/2025	09:50	PD089983.D	8.06	2.88
PEM	PEM	08/19/2025	10:03	PD089984.D	8.06	2.88
RESCHK	RESCHK	08/19/2025	10:17	PD089985.D	8.07	2.88
PCHLORICC500	PCHLORICC500	08/19/2025	11:24	PD089988.D	8.06	2.88
IBLK	IBLK	08/22/2025	08:55	PD090004.D	8.07	2.88
PEM	PEM	08/22/2025	09:09	PD090005.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/22/2025	09:22	PD090006.D	8.07	2.88
PB169360BL	PB169360BL	08/22/2025	14:34	PD090007.D	8.07	2.88
PB169360BS	PB169360BS	08/22/2025	14:47	PD090008.D	8.07	2.88
IBLK	IBLK	08/22/2025	15:56	PD090013.D	8.07	2.88
PEM	PEM	08/22/2025	16:09	PD090014.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/22/2025	17:27	PD090015.D	8.07	2.88
BRIDGE-WESTMS	Q2915-01MS	08/22/2025	19:17	PD090020.D	8.07	2.88
BRIDGE-WESTMSD	Q2915-01MSD	08/22/2025	19:31	PD090021.D	8.07	2.88
27-BELL	Q2928-01	08/22/2025	19:58	PD090023.D	8.06	2.88
IBLK	IBLK	08/22/2025	20:12	PD090024.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/22/2025	20:25	PD090025.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

27-BELL

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab Sample ID: Q2928-01

Date(s) Analyzed: 08/22/2025 08/22/2025

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		
4,4'-DDT	1	7.02	6.97	7.07	0.75	45.8
	2	6.18	6.13	6.23	1.20	
gamma-Chlordane	1	5.94	5.89	5.99	19.6	39
	2	5.12	5.07	5.17	13.2	
alpha-Chlordane	1	6.03	5.98	6.08	27.7	58.9
	2	5.19	5.14	5.24	15.1	
4,4'-DDE	1	6.20	6.15	6.25	0.39	63.9
	2	5.37	5.32	5.42	0.75	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BRIDGE-WESTMS

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab Sample ID: Q2915-01MS

Date(s) Analyzed: 08/22/2025 08/22/2025

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		
4,4'-DDD	1	6.70	6.65	6.75	16.2	3.1
	2	5.92	5.87	5.97	15.7	
4,4'-DDT	1	7.02	6.97	7.07	13.7	2.2
	2	6.18	6.13	6.23	14.0	
Aldrin	1	5.27	5.22	5.32	17.0	1.2
	2	4.36	4.31	4.41	17.2	
4,4'-DDE	1	6.19	6.14	6.24	16.4	3
	2	5.37	5.32	5.42	16.9	
Endosulfan II	1	6.78	6.73	6.83	15.2	4.5
	2	6.08	6.03	6.13	15.9	
Endrin aldehyde	1	6.91	6.86	6.96	17.6	2.9
	2	6.25	6.20	6.30	17.1	
Endosulfan sulfate	1	7.15	7.10	7.20	14.5	0
	2	6.48	6.43	6.53	14.5	
Methoxychlor	1	7.49	7.44	7.54	13.7	3
	2	6.75	6.70	6.80	13.3	
Endrin ketone	1	7.63	7.58	7.68	14.4	2.8
	2	6.99	6.94	7.04	14.0	
alpha-BHC	1	4.00	3.95	4.05	17.1	0.6
	2	3.39	3.34	3.44	17.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.4	1.2
	2	3.73	3.68	3.78	16.6	
Heptachlor	1	4.93	4.88	4.98	15.3	1.9
	2	4.08	4.03	4.13	15.6	
beta-BHC	1	4.52	4.47	4.57	16.5	4.2
	2	4.02	3.97	4.07	17.2	
delta-BHC	1	4.76	4.71	4.81	15.0	5.5
	2	4.26	4.21	4.31	14.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BRIDGE-WESTMS

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab Sample ID: Q2915-01MS

Date(s) Analyzed: 08/22/2025 08/22/2025

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		
Heptachlor epoxide	1	5.69	5.64	5.74	16.5	2.4
	2	4.87	4.82	4.92	16.9	
Endosulfan I	1	6.07	6.02	6.12	16.2	3.6
	2	5.24	5.19	5.29	16.8	
gamma-Chlordane	1	5.94	5.89	5.99	16.4	4.2
	2	5.12	5.07	5.17	17.1	
alpha-Chlordane	1	6.02	5.97	6.07	16.1	4.8
	2	5.19	5.14	5.24	16.9	
Dieldrin	1	6.35	6.30	6.40	16.0	3.7
	2	5.51	5.46	5.56	16.6	
Endrin	1	6.57	6.52	6.62	15.9	3.7
	2	5.78	5.73	5.83	16.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BRIDGE-WESTMSD

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab Sample ID: Q2915-01MSD

Date(s) Analyzed: 08/22/2025 08/22/2025

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		
Endosulfan II	1	6.78	6.73	6.83	16.0	2.5
	2	6.08	6.03	6.13	16.4	
4,4'-DDD	1	6.70	6.65	6.75	17.1	4.8
	2	5.92	5.87	5.97	16.3	
4,4'-DDT	1	7.02	6.97	7.07	13.1	9.5
	2	6.18	6.13	6.23	14.4	
alpha-BHC	1	4.00	3.95	4.05	17.7	2.3
	2	3.39	3.34	3.44	17.3	
Aldrin	1	5.27	5.22	5.32	17.6	0.6
	2	4.36	4.31	4.41	17.7	
beta-BHC	1	4.51	4.46	4.56	17.1	2.9
	2	4.02	3.97	4.07	17.6	
delta-BHC	1	4.76	4.71	4.81	15.5	6.7
	2	4.26	4.21	4.31	14.5	
Endosulfan I	1	6.07	6.02	6.12	17.0	1.7
	2	5.24	5.19	5.29	17.3	
alpha-Chlordane	1	6.02	5.97	6.07	16.9	2.9
	2	5.19	5.14	5.24	17.4	
4,4'-DDE	1	6.19	6.14	6.24	17.7	1.1
	2	5.37	5.32	5.42	17.5	
Dieldrin	1	6.34	6.29	6.39	16.8	1.8
	2	5.51	5.46	5.56	17.1	
Endrin aldehyde	1	6.91	6.86	6.96	15.9	3.7
	2	6.25	6.20	6.30	16.5	
Endosulfan sulfate	1	7.15	7.10	7.20	14.8	0.7
	2	6.48	6.43	6.53	14.9	
Methoxychlor	1	7.49	7.44	7.54	12.7	6.1
	2	6.75	6.70	6.80	13.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BRIDGE-WESTMSD

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab Sample ID: Q2915-01MSD

Date(s) Analyzed: 08/22/2025 08/22/2025

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 ketone	1	7.63	7.58	7.68	14.9	2
	2	6.99	6.94	7.04	14.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.9	0
	2	3.73	3.68	3.78	16.9	
Heptachlor	1	4.93	4.88	4.98	15.8	0
	2	4.08	4.03	4.13	15.8	
Heptachlor epoxide	1	5.69	5.64	5.74	17.1	1.7
	2	4.87	4.82	4.92	17.4	
gamma-Chlordane	1	5.94	5.89	5.99	17.2	2.3
	2	5.12	5.07	5.17	17.6	
Endrin	1	6.57	6.52	6.62	16.6	3
	2	5.78	5.73	5.83	17.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169360BS

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab Sample ID: PB169360BS

Date(s) Analyzed: 08/22/2025 08/22/2025

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		
4,4'-DDD	1	6.70	6.65	6.75	15.8	1.9
	2	5.92	5.87	5.97	16.1	
4,4'-DDE	1	6.19	6.14	6.24	15.7	1.9
	2	5.37	5.32	5.42	16.0	
4,4'-DDT	1	7.02	6.97	7.07	15.7	3.1
	2	6.18	6.13	6.23	16.2	
alpha-BHC	1	4.00	3.95	4.05	15.5	1.9
	2	3.39	3.34	3.44	15.8	
Aldrin	1	5.27	5.22	5.32	15.6	2.5
	2	4.36	4.31	4.41	16.0	
alpha-Chlordane	1	6.03	5.98	6.08	15.5	3.2
	2	5.18	5.13	5.23	16.0	
Endosulfan II	1	6.79	6.74	6.84	14.8	7.8
	2	6.08	6.03	6.13	16.0	
Endosulfan sulfate	1	7.15	7.10	7.20	15.5	3.2
	2	6.48	6.43	6.53	16.0	
beta-BHC	1	4.52	4.47	4.57	14.9	5.9
	2	4.02	3.97	4.07	15.8	
delta-BHC	1	4.76	4.71	4.81	16.9	6.1
	2	4.26	4.21	4.31	15.9	
Endosulfan I	1	6.07	6.02	6.12	15.6	3.2
	2	5.24	5.19	5.29	16.1	
Dieldrin	1	6.35	6.30	6.40	15.7	1.3
	2	5.51	5.46	5.56	15.9	
Endrin aldehyde	1	6.91	6.86	6.96	16.6	5.3
	2	6.25	6.20	6.30	17.5	
Methoxychlor	1	7.49	7.44	7.54	15.2	1.3
	2	6.75	6.70	6.80	15.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169360BS

Lab Name: Alliance

Contract: HERO01

Lab Code: ACE

SDG NO.: Q2928

Lab Sample ID: PB169360BS

Date(s) Analyzed: 08/22/2025 08/22/2025

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 ketone	1	7.63	7.58	7.68	15.7	3.8
	2	6.99	6.94	7.04	16.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.5	2.5
	2	3.73	3.68	3.78	15.9	
Heptachlor	1	4.93	4.88	4.98	15.8	0
	2	4.08	4.03	4.13	15.8	
Heptachlor epoxide	1	5.69	5.64	5.74	15.5	3.2
	2	4.87	4.82	4.92	16.0	
gamma-Chlordane	1	5.94	5.89	5.99	15.6	3.8
	2	5.12	5.07	5.17	16.2	
Endrin	1	6.57	6.52	6.62	15.5	4.4
	2	5.78	5.73	5.83	16.2	



QC SAMPLE DATA

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	PB169360BL	SDG No.:	Q2928
Lab Sample ID:	PB169360BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090007.D	1	08/22/25 10:21	08/22/25 14:34	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		20 - 144	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		19 - 148	95%	SPK: 20

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	PB169360BL	SDG No.:	Q2928
Lab Sample ID:	PB169360BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090007.D	1	08/22/25 10:21	08/22/25 14:34	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PD082225\
Data File : PD090007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 14:34
Operator : AR\AJ
Sample : PB169360BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169360BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:52:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.556	2.876	52191018	420.1E6	17.783	19.053
28)	SA Decachlor...	9.082	8.068	85585522	541.5E6	19.830	20.919

Target Compounds

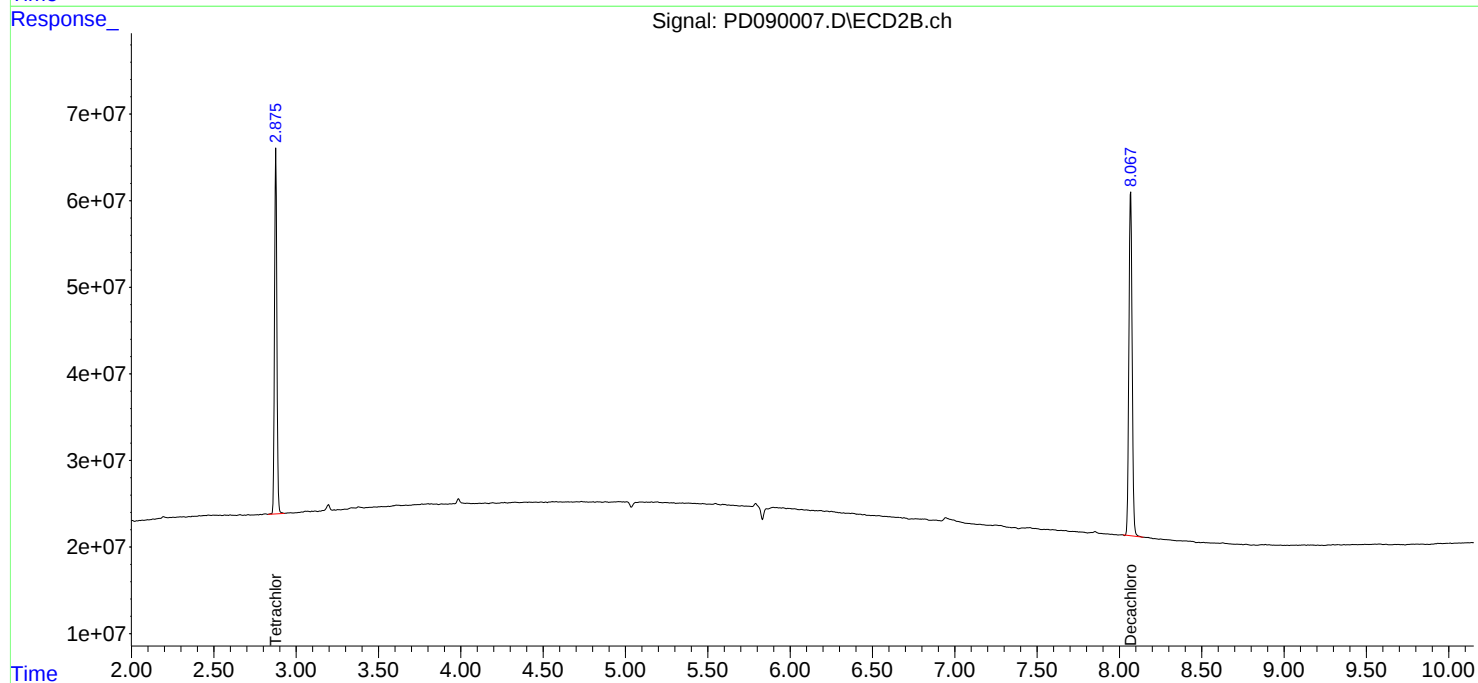
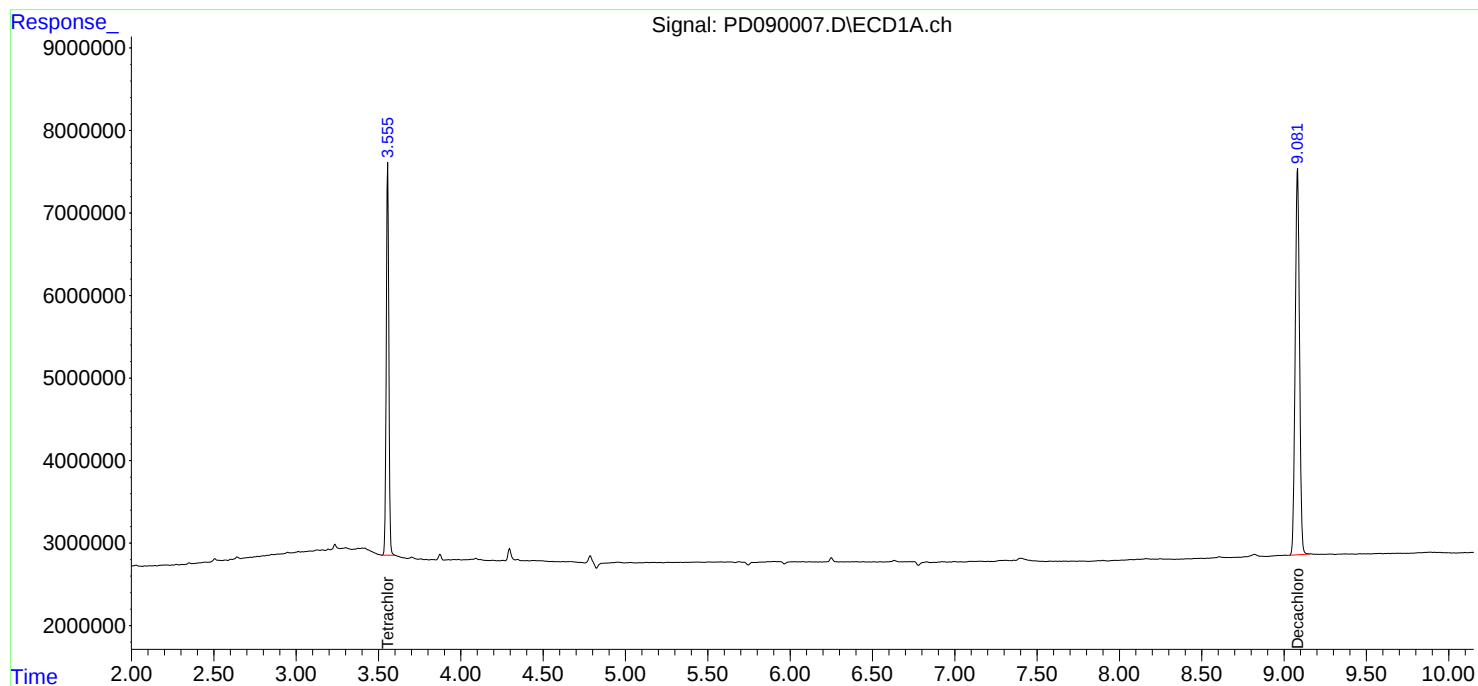
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

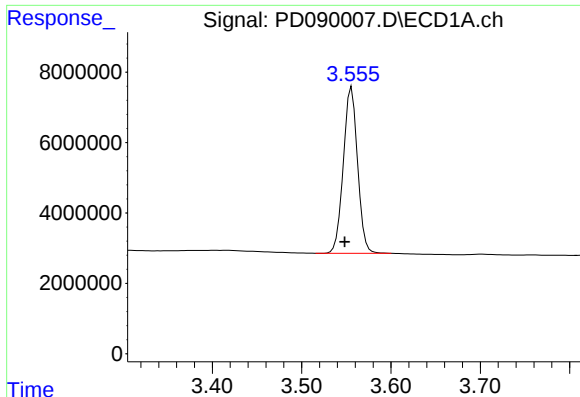
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 14:34
Operator : AR\AJ
Sample : PB169360BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169360BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:52:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

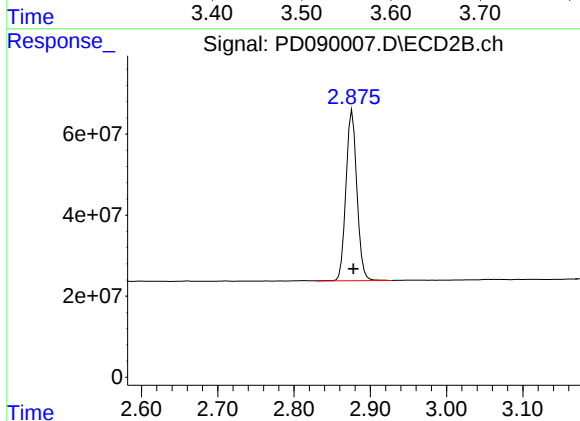




#1 Tetrachloro-m-xylene

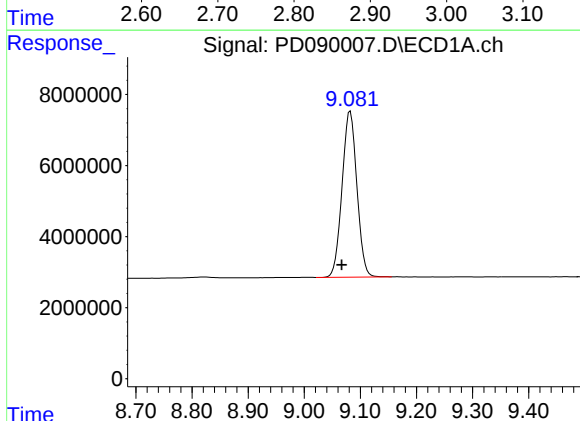
R.T.: 3.556 min
Delta R.T.: 0.008 min
Response: 52191018
Conc: 17.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169360BL



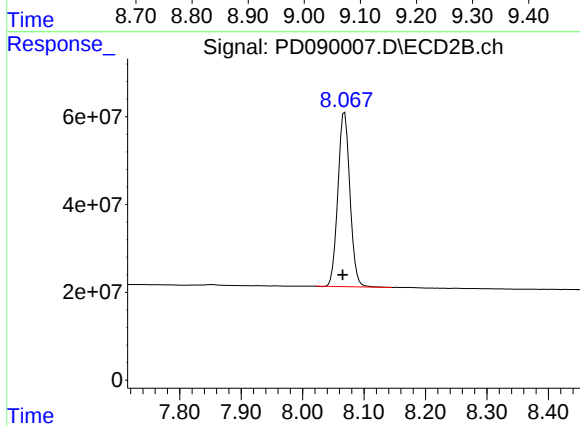
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 420133912
Conc: 19.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.082 min
Delta R.T.: 0.015 min
Response: 85585522
Conc: 19.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.003 min
Response: 541497036
Conc: 20.92 ng/ml

Report of Analysis

Client:	Hero Construction		Date Collected:	08/18/25	
Project:	Residential Soil Testing		Date Received:	08/18/25	
Client Sample ID:	PIBLK-PD089961.D		SDG No.:	Q2928	
Lab Sample ID:	I.BLK-PD089961.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089961.D	1		08/18/25	pd081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
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
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		57 - 171	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		61 - 148	88%	SPK: 20

Report of Analysis

Client:	Hero Construction	Date Collected:	08/18/25
Project:	Residential Soil Testing	Date Received:	08/18/25
Client Sample ID:	PIBLK-PD089961.D	SDG No.:	Q2928
Lab Sample ID:	I.BLK-PD089961.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089961.D	1		08/18/25	pd081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PD081825\
 Data File : PD089961.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 10:44
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 05:50:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 05:46:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.876	51222346	386.0E6	17.453	17.507m
28)	SA Decachlor...	9.068	8.064	83150013	472.4E6	19.266	18.248m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081825\
Data File : PD089961.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

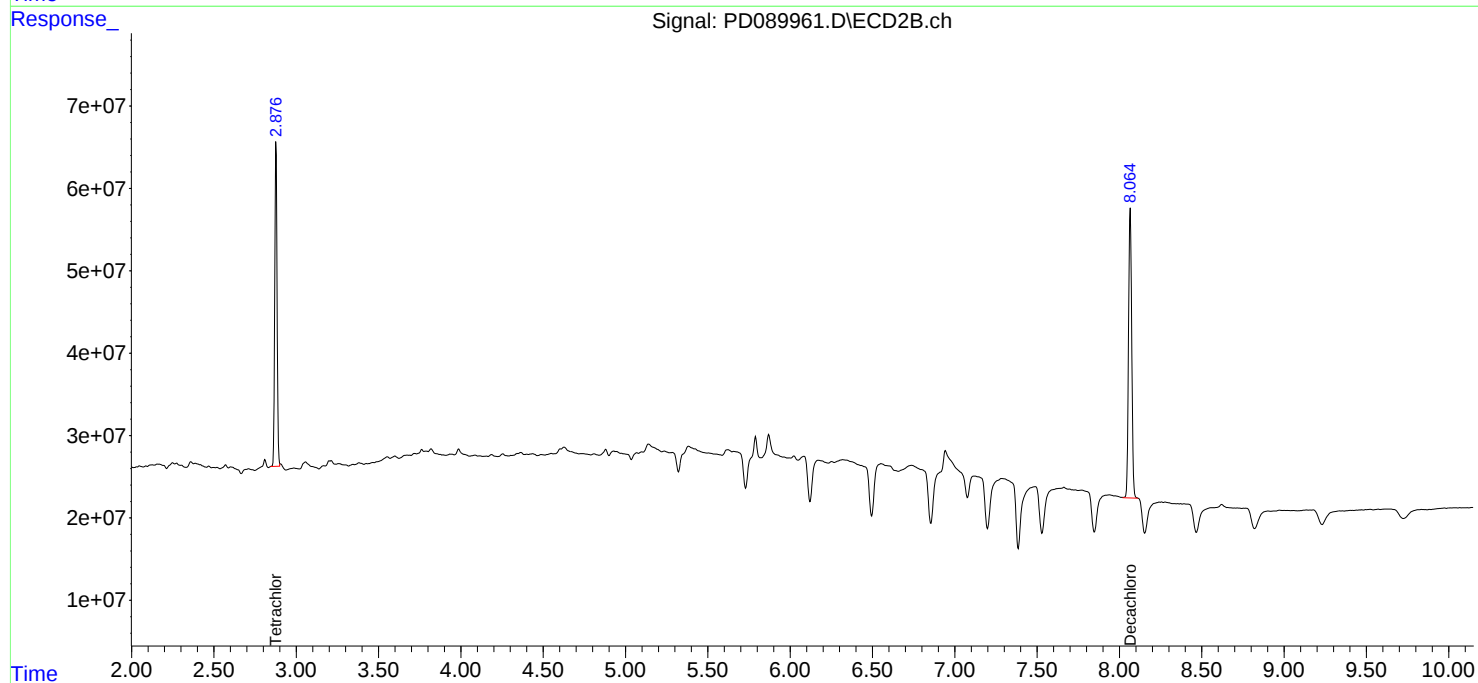
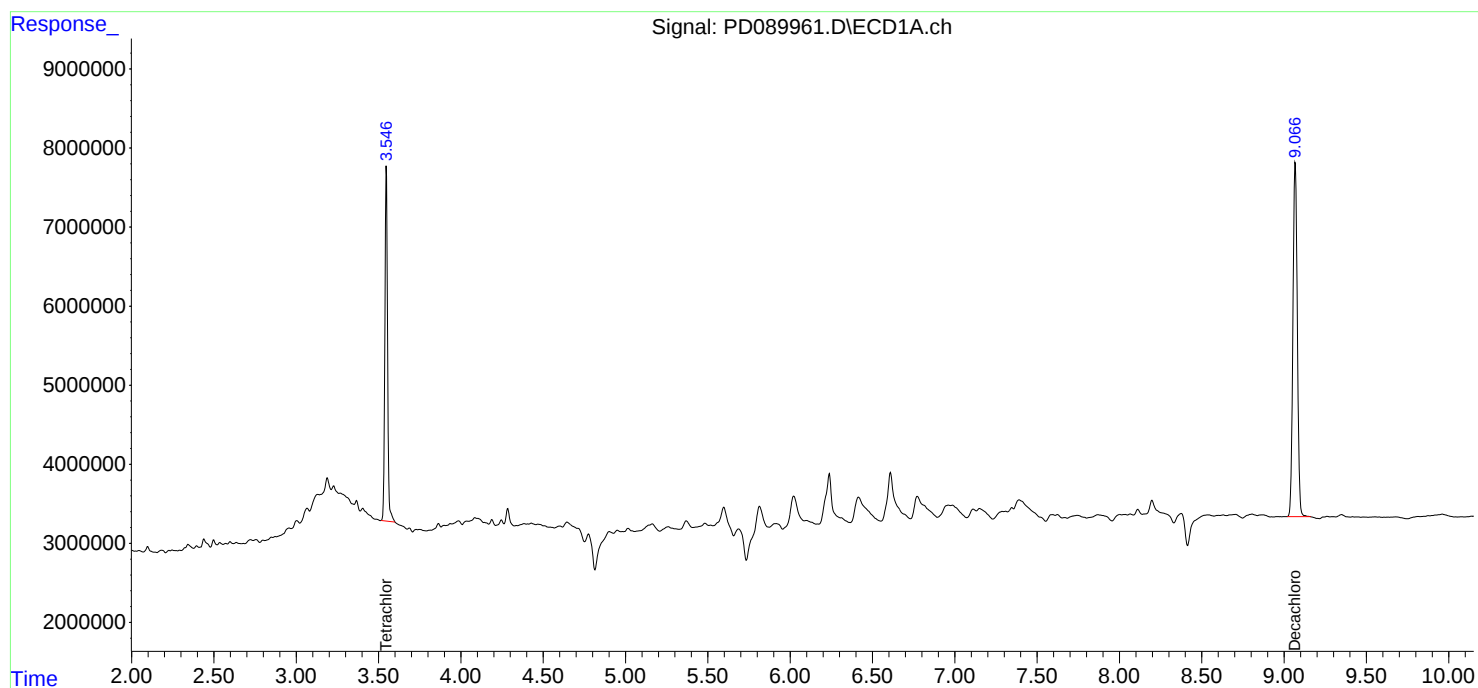
Instrument :
ECD_D
ClientSampleId :
I.BLK

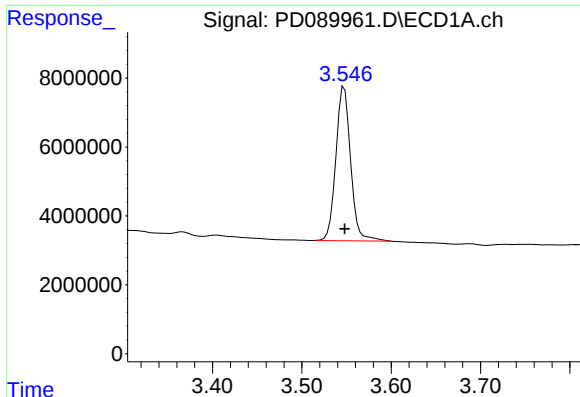
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 05:50:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 05:46:23 2025
Response via : Initial 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





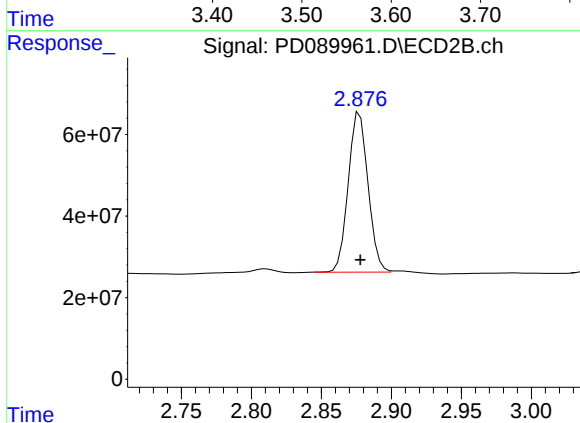
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 51222346
Conc: 17.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

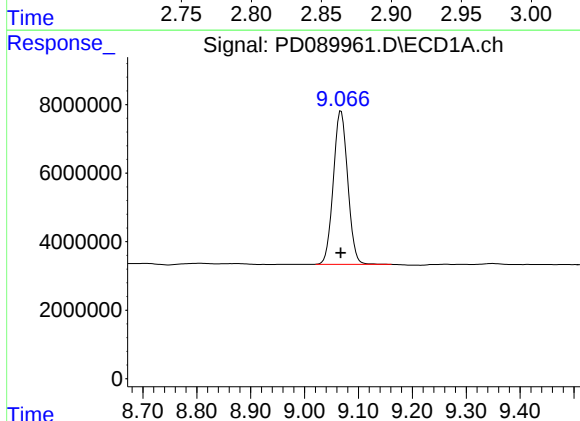
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



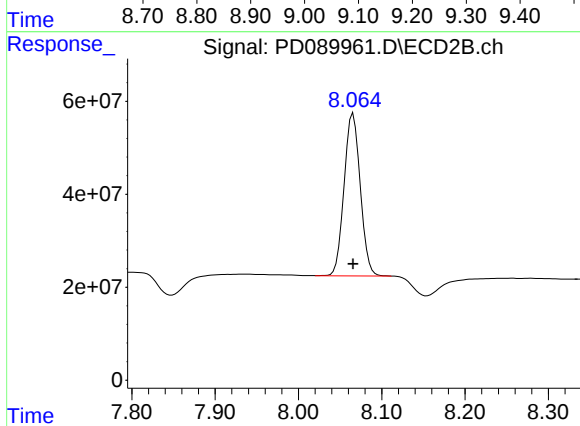
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 386030098
Conc: 17.51 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 83150013
Conc: 19.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 472376959
Conc: 18.25 ng/ml m

Report of Analysis

Client:	Hero Construction	Date Collected:	08/22/25
Project:	Residential Soil Testing	Date Received:	08/22/25
Client Sample ID:	PIBLK-PD090004.D	SDG No.:	Q2928
Lab Sample ID:	I.BLK-PD090004.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090004.D	1		08/22/25	pd082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
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
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.0		57 - 171	125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		61 - 148	116%	SPK: 20

Report of Analysis

Client:	Hero Construction		Date Collected:	08/22/25	
Project:	Residential Soil Testing		Date Received:	08/22/25	
Client Sample ID:	PIBLK-PD090004.D		SDG No.:	Q2928	
Lab Sample ID:	I.BLK-PD090004.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090004.D	1		08/22/25	pd082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PD082225\
 Data File : PD090004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 08:55
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:52:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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	2.877	63463555	513.0E6	21.624	23.263
28)	SA Decachlor...	9.071	8.065	101.6E6	646.9E6	23.551	24.991

Target Compounds

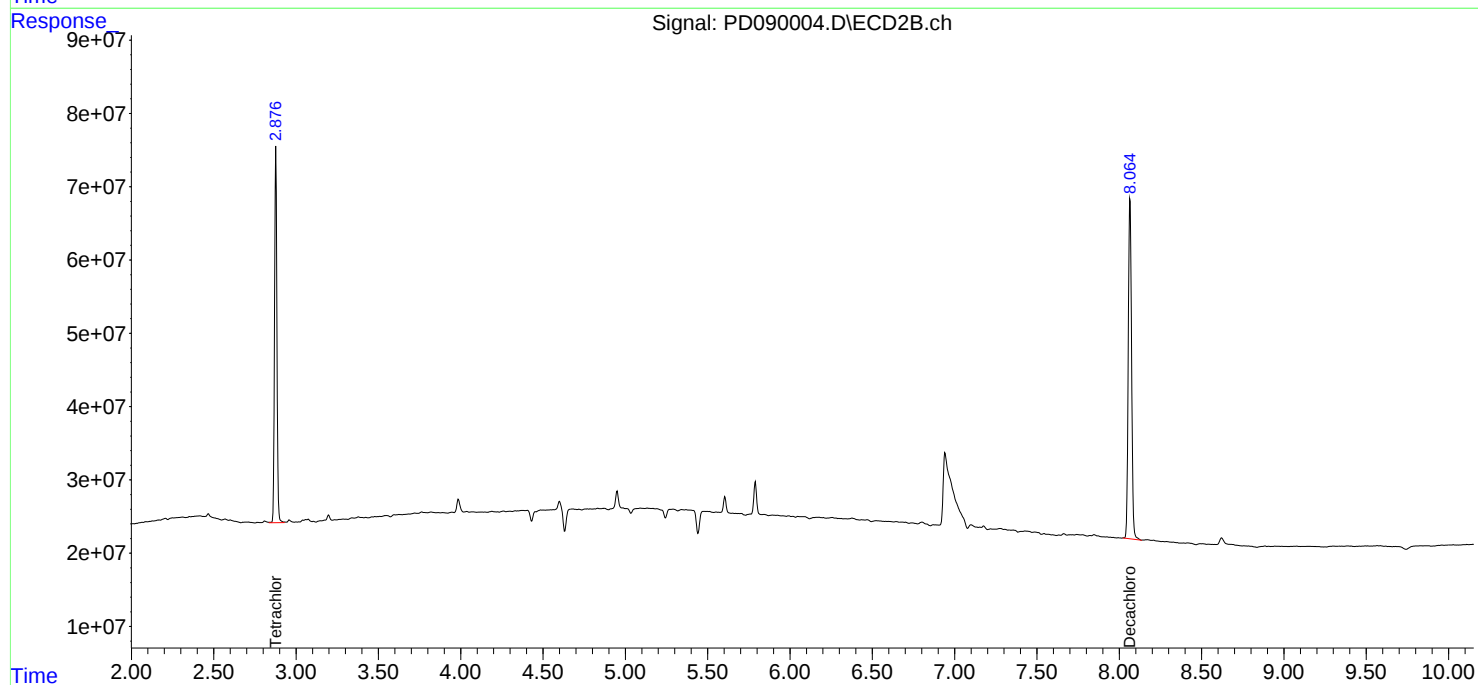
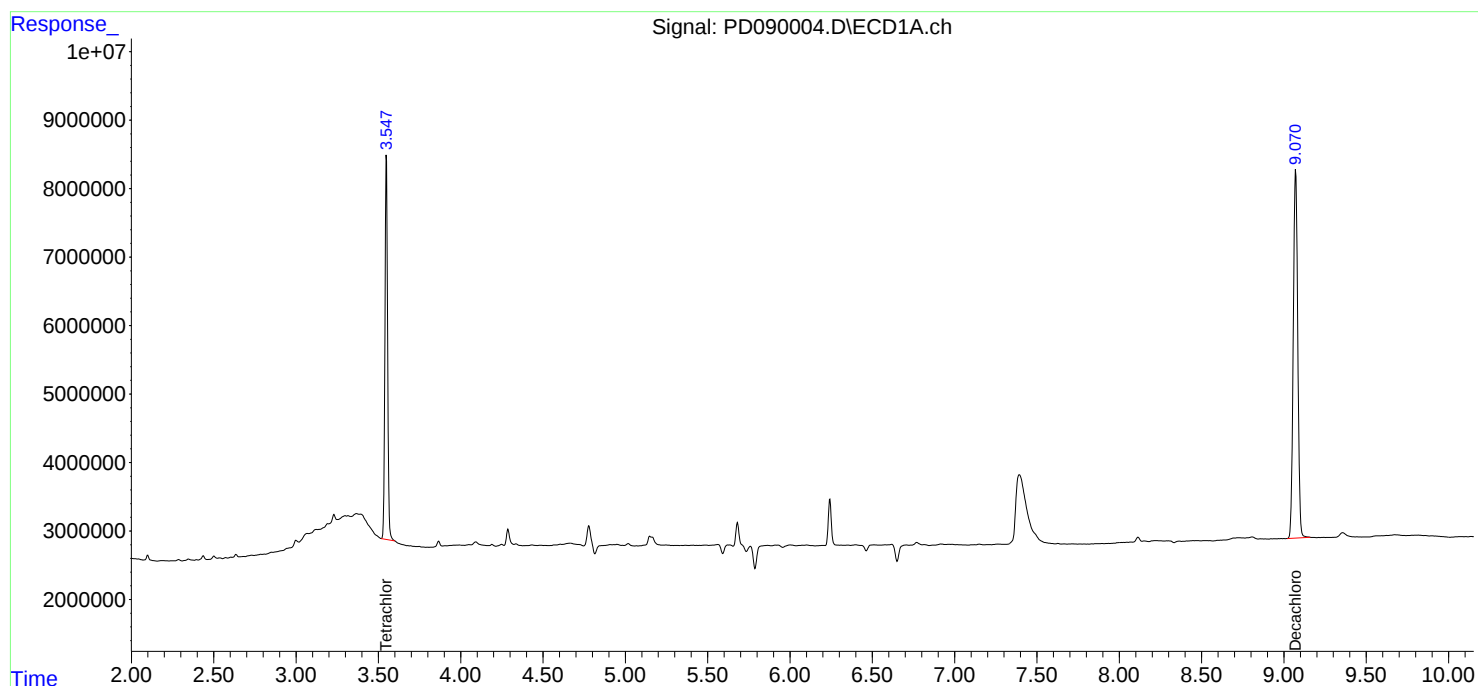
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

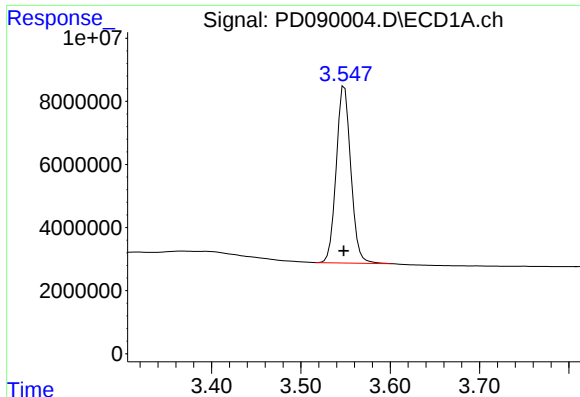
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 08:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:52:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial 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

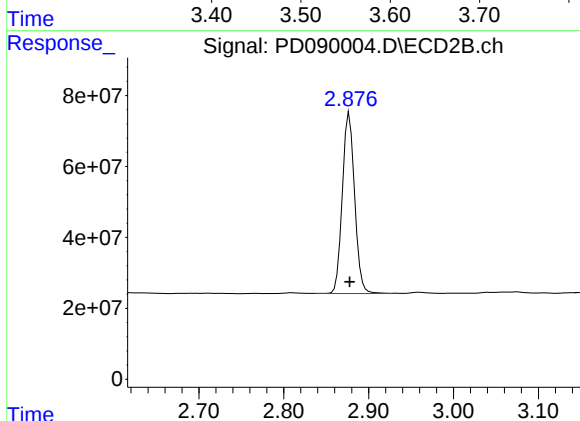




#1 Tetrachloro-m-xylene

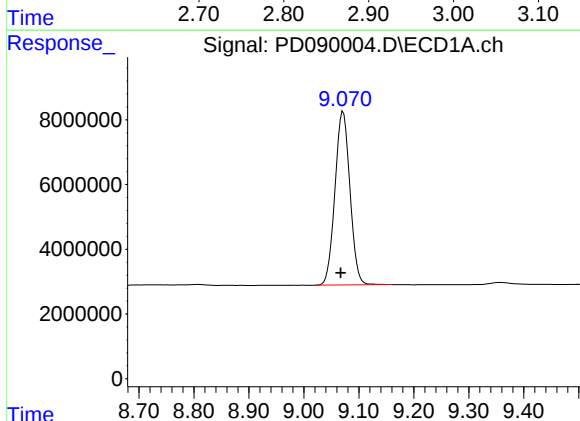
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 63463555
Conc: 21.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



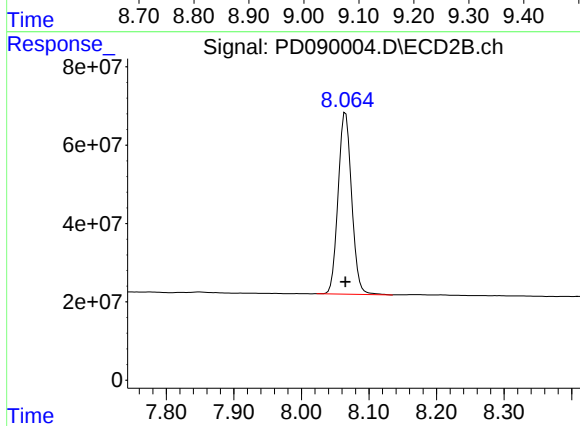
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 512961660
Conc: 23.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 101646067
Conc: 23.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 646903342
Conc: 24.99 ng/ml

Report of Analysis

Client:	Hero Construction	Date Collected:	08/22/25
Project:	Residential Soil Testing	Date Received:	08/22/25
Client Sample ID:	PIBLK-PD090013.D	SDG No.:	Q2928
Lab Sample ID:	I.BLK-PD090013.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090013.D	1		08/22/25	pd082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
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
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.9		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		61 - 148	112%	SPK: 20

Report of Analysis

Client:	Hero Construction		Date Collected:	08/22/25	
Project:	Residential Soil Testing		Date Received:	08/22/25	
Client Sample ID:	PIBLK-PD090013.D		SDG No.:	Q2928	
Lab Sample ID:	I.BLK-PD090013.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090013.D	1		08/22/25	pd082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PD082225\
 Data File : PD090013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 15:56
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:53:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	61445815	493.5E6	20.937	22.380
28)	SA Decachlor...	9.070	8.066	85875274	365.4E6	19.897	14.117 #

Target Compounds

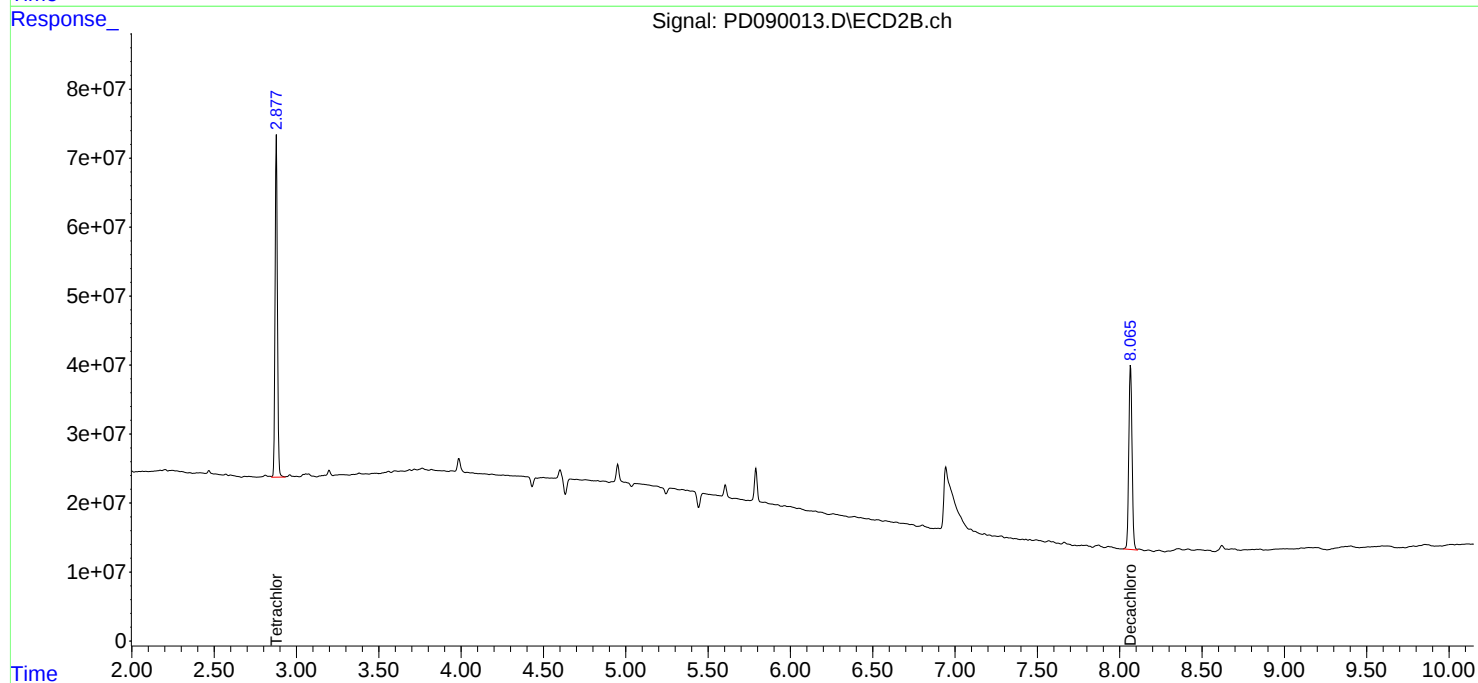
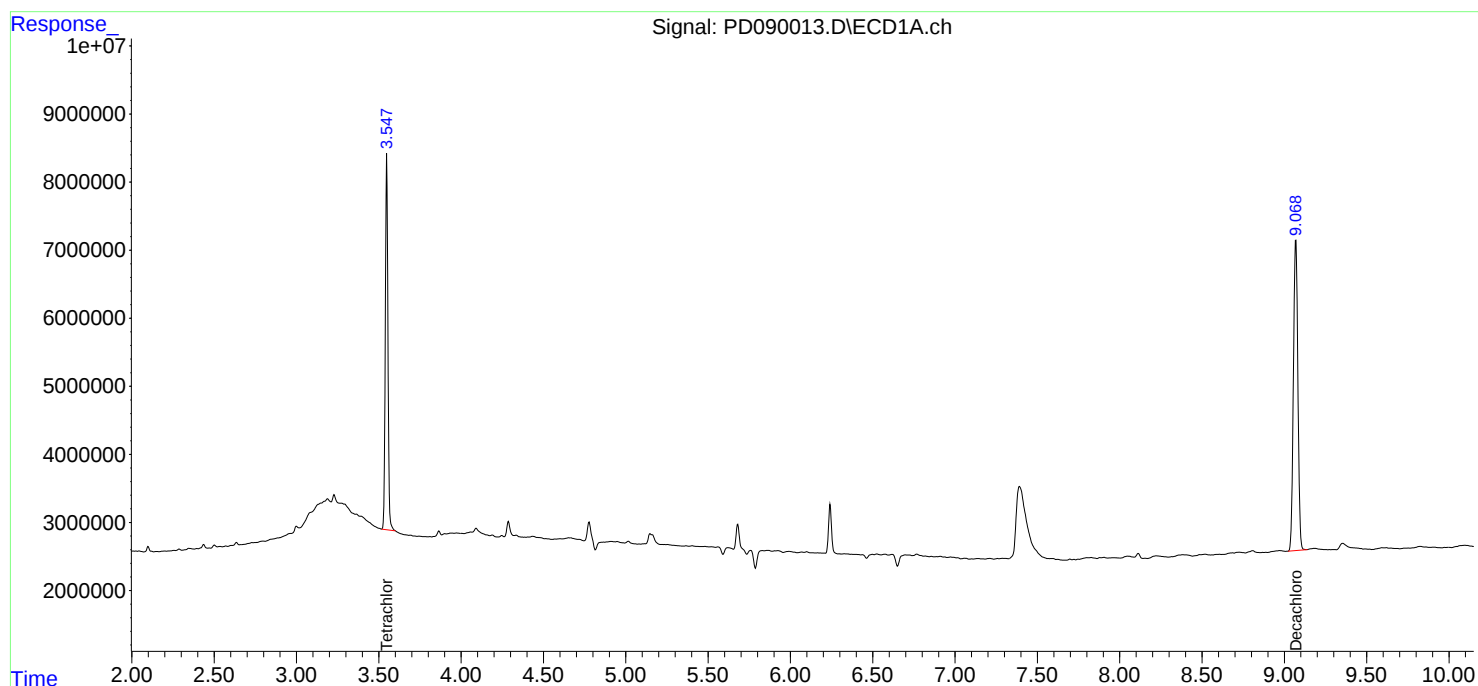
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

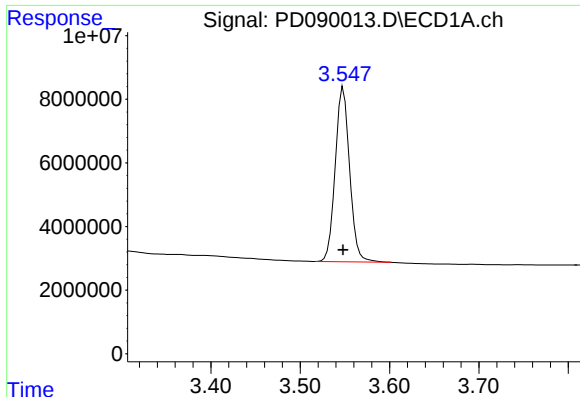
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 15:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:53:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial 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

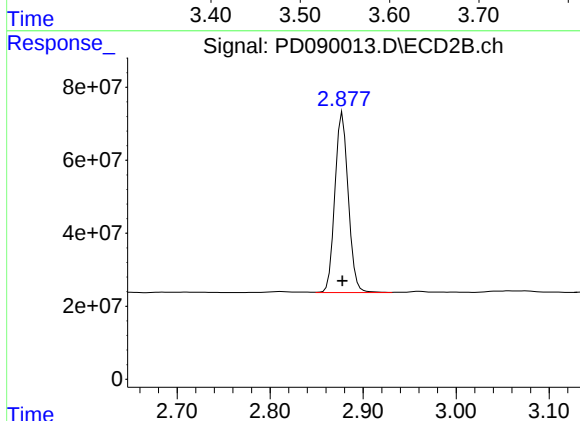




#1 Tetrachloro-m-xylene

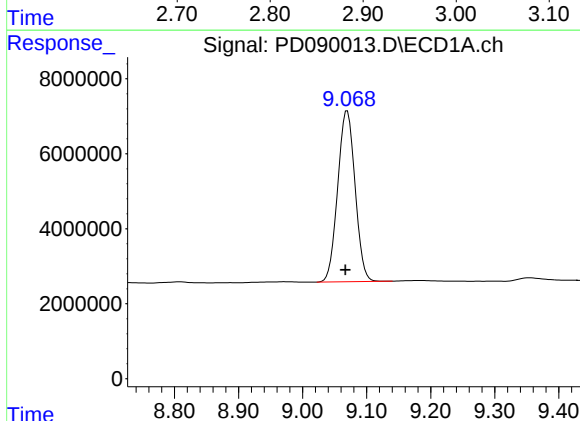
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 61445815
Conc: 20.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



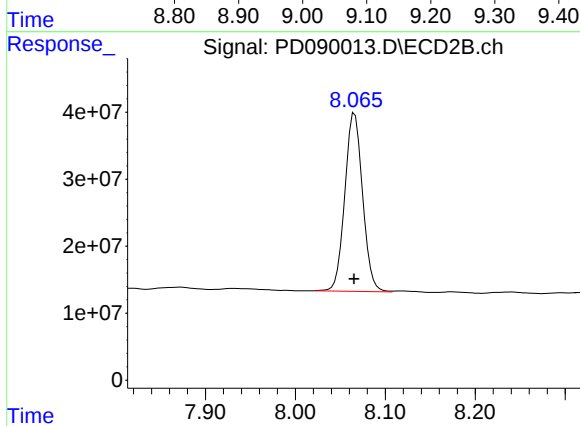
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 493500519
Conc: 22.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.003 min
Response: 85875274
Conc: 19.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 365433579
Conc: 14.12 ng/ml

Report of Analysis

Client:	Hero Construction	Date Collected:	08/22/25
Project:	Residential Soil Testing	Date Received:	08/22/25
Client Sample ID:	PIBLK-PD090024.D	SDG No.:	Q2928
Lab Sample ID:	I.BLK-PD090024.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090024.D	1		08/22/25	pd082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
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
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.6		57 - 171	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		61 - 148	114%	SPK: 20

Report of Analysis

Client:	Hero Construction		Date Collected:	08/22/25	
Project:	Residential Soil Testing		Date Received:	08/22/25	
Client Sample ID:	PIBLK-PD090024.D		SDG No.:	Q2928	
Lab Sample ID:	I.BLK-PD090024.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090024.D	1		08/22/25	pd082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PD082225\
 Data File : PD090024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 20:12
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/25/2025
 Supervised By :mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:56:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.878	63728456	501.8E6	21.714	22.755
28) SA Decachlor...	9.069	8.066	97697936	490.6E6	22.637m	18.952

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 20:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

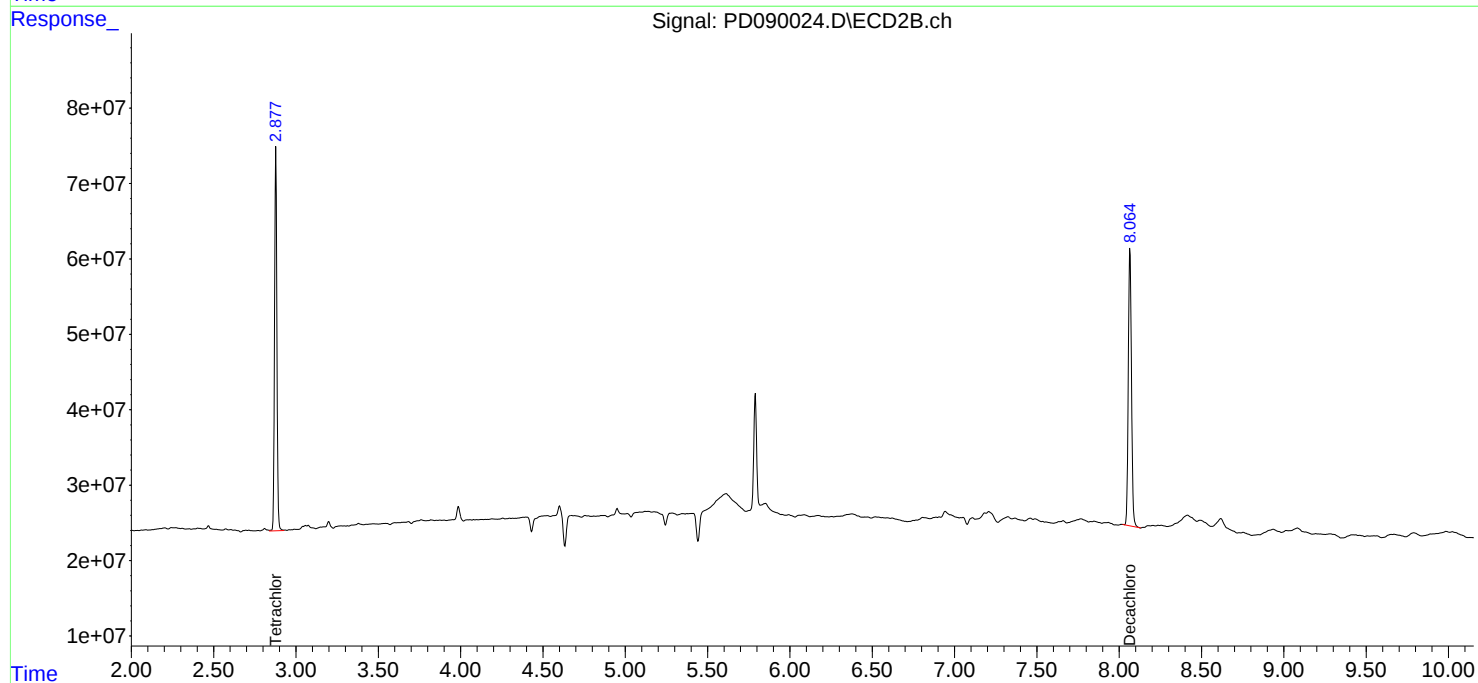
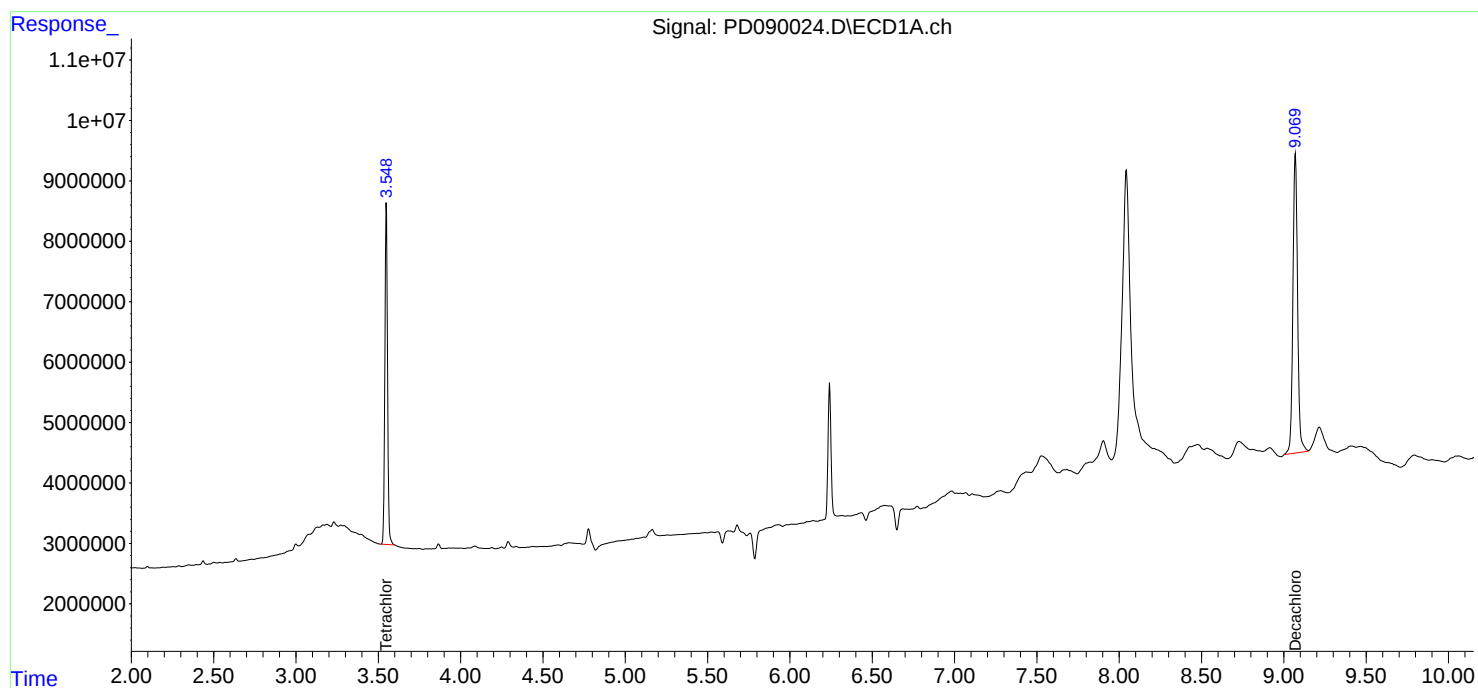
Instrument :
ECD_D
ClientSampleId :
I.BLK

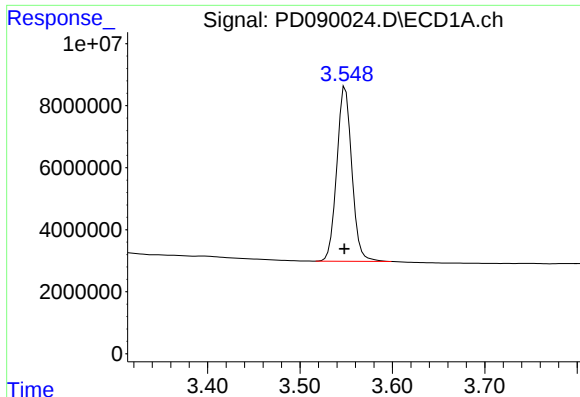
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:56:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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





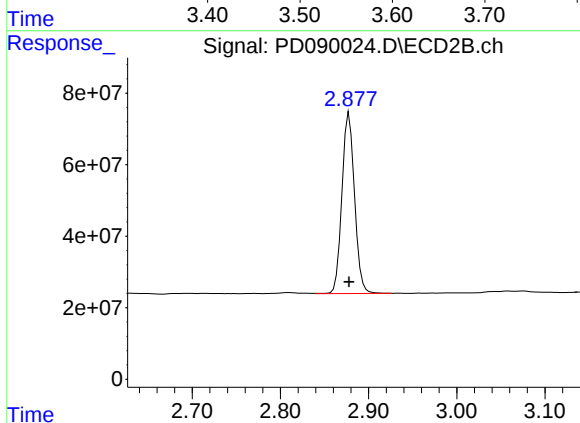
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.001 min
Response: 63728456
Conc: 21.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

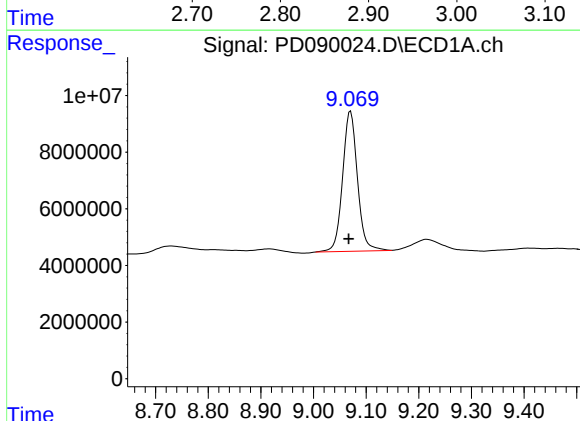
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/25/2025
Supervised By :mohammad ahmed 08/26/2025



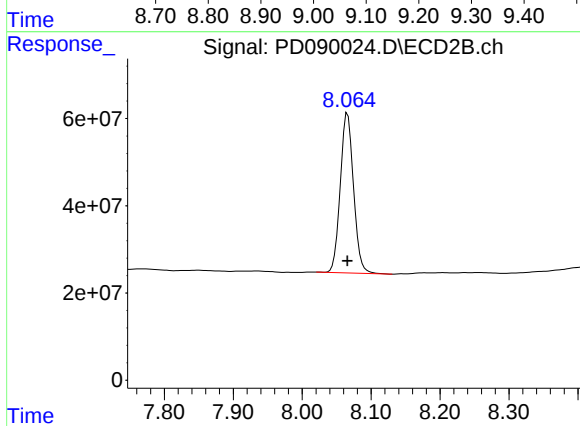
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 501751744
Conc: 22.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.002 min
Response: 97697936
Conc: 22.64 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 490598236
Conc: 18.95 ng/ml

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	PB169360BS	SDG No.:	Q2928
Lab Sample ID:	PB169360BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090008.D	1	08/22/25 10:21	08/22/25 14:47	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.8		0.13	1.70	ug/kg
319-85-7	beta-BHC	15.8		0.18	1.70	ug/kg
319-86-8	delta-BHC	16.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	15.9		0.14	1.70	ug/kg
76-44-8	Heptachlor	15.8		0.12	1.70	ug/kg
309-00-2	Aldrin	16.0		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.0		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.1		0.14	1.70	ug/kg
60-57-1	Dieldrin	15.9		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.0		0.14	1.70	ug/kg
72-20-8	Endrin	16.2		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.0		0.29	1.70	ug/kg
72-54-8	4,4-DDD	16.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.2		0.14	1.70	ug/kg
72-43-5	Methoxychlor	15.4		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.3		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.5		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.0		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.2		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.6		20 - 144	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		19 - 148	108%	SPK: 20

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	PB169360BS	SDG No.:	Q2928
Lab Sample ID:	PB169360BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:		Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090008.D	1	08/22/25 10:21	08/22/25 14:47	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PD082225\
 Data File : PD090008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 14:47
 Operator : AR\AJ
 Sample : PB169360BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169360BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:52:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.877	55743176	478.1E6	18.994	21.681
28)	SA Decachlor...	9.070	8.065	92258350	584.7E6	21.376	22.586
Target Compounds							
2)	A alpha-BHC	3.998	3.389	279.0E6	1615.2E6	46.490	47.593
3)	MA gamma-BHC...	4.329	3.725	266.3E6	1491.8E6	46.501	47.858
4)	MA Heptachlor	4.927	4.077	266.1E6	1478.7E6	47.439	47.406
5)	MB Aldrin	5.269	4.363	253.0E6	1461.8E6	46.722	47.997
6)	B beta-BHC	4.515	4.021	100.7E6	631.4E6	44.895	47.365
7)	B delta-BHC	4.763	4.257	262.3E6	1510.0E6	50.658	47.861
8)	B Heptachlo...	5.689	4.867	228.3E6	1332.0E6	46.529	48.096
9)	A Endosulfan I	6.072	5.241	216.4E6	1264.0E6	46.881	48.203
10)	B gamma-Chl...	5.944	5.119	229.0E6	1442.1E6	46.819	48.702
11)	B alpha-Chl...	6.025	5.184	229.3E6	1371.7E6	46.588	48.064
12)	B 4,4'-DDE	6.194	5.369	206.6E6	1384.2E6	47.088	48.024
13)	MA Dieldrin	6.345	5.506	231.4E6	1400.3E6	47.274	47.814
14)	MA Endrin	6.572	5.783	193.2E6	1293.6E6	46.617	48.574
15)	B Endosulfa...	6.785	6.075	187.2E6	1217.4E6	44.369	48.129
16)	A 4,4'-DDD	6.704	5.923	163.6E6	1162.1E6	47.304	48.334
17)	MA 4,4'-DDT	7.019	6.177	179.2E6	1216.3E6	47.046	48.517
18)	B Endrin al...	6.913	6.252	143.2E6	902.6E6	49.961	52.416
19)	B Endosulfa...	7.148	6.476	182.3E6	1173.6E6	46.527	48.137
20)	A Methoxychlor	7.492	6.747	91275999	595.4E6	45.510	46.171
21)	B Endrin ke...	7.629	6.985	196.0E6	1300.6E6	47.291	48.811
22)	Mirex	8.112	7.178	143.1E6	993.8E6	45.352	48.114

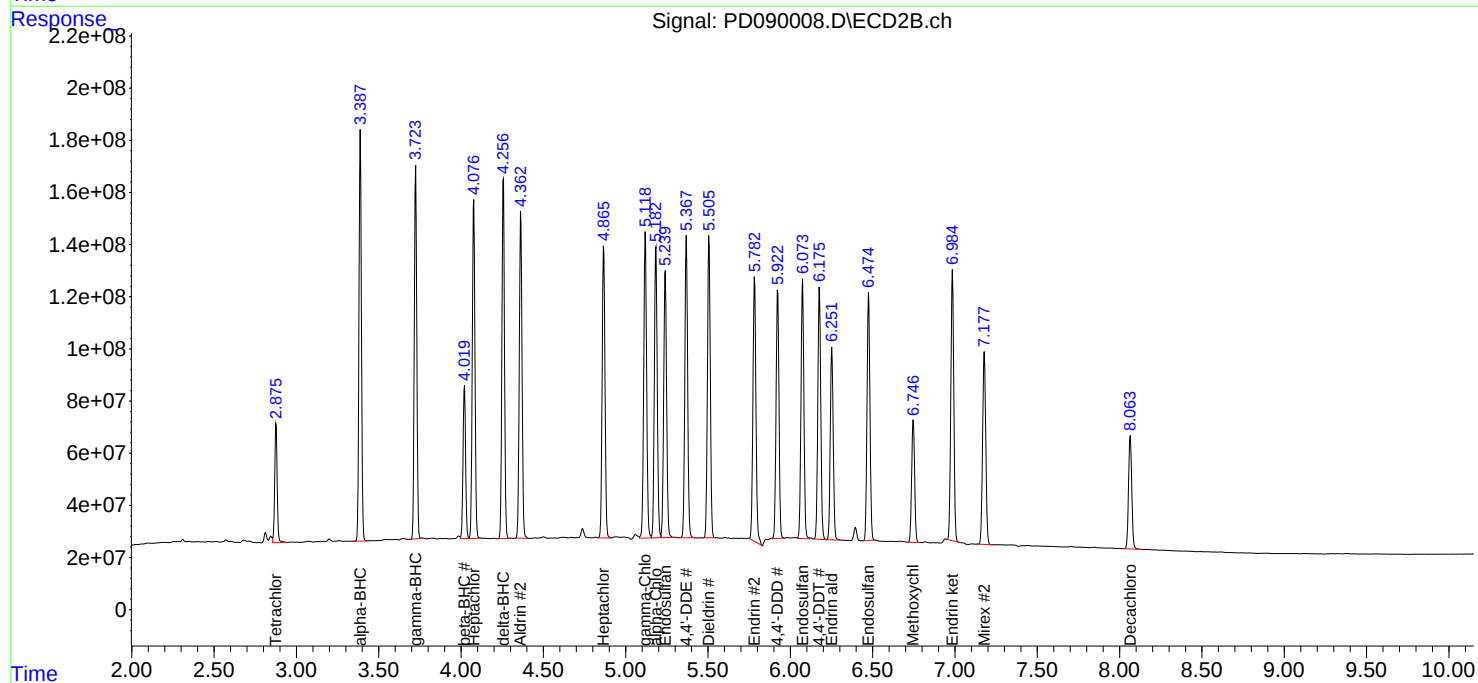
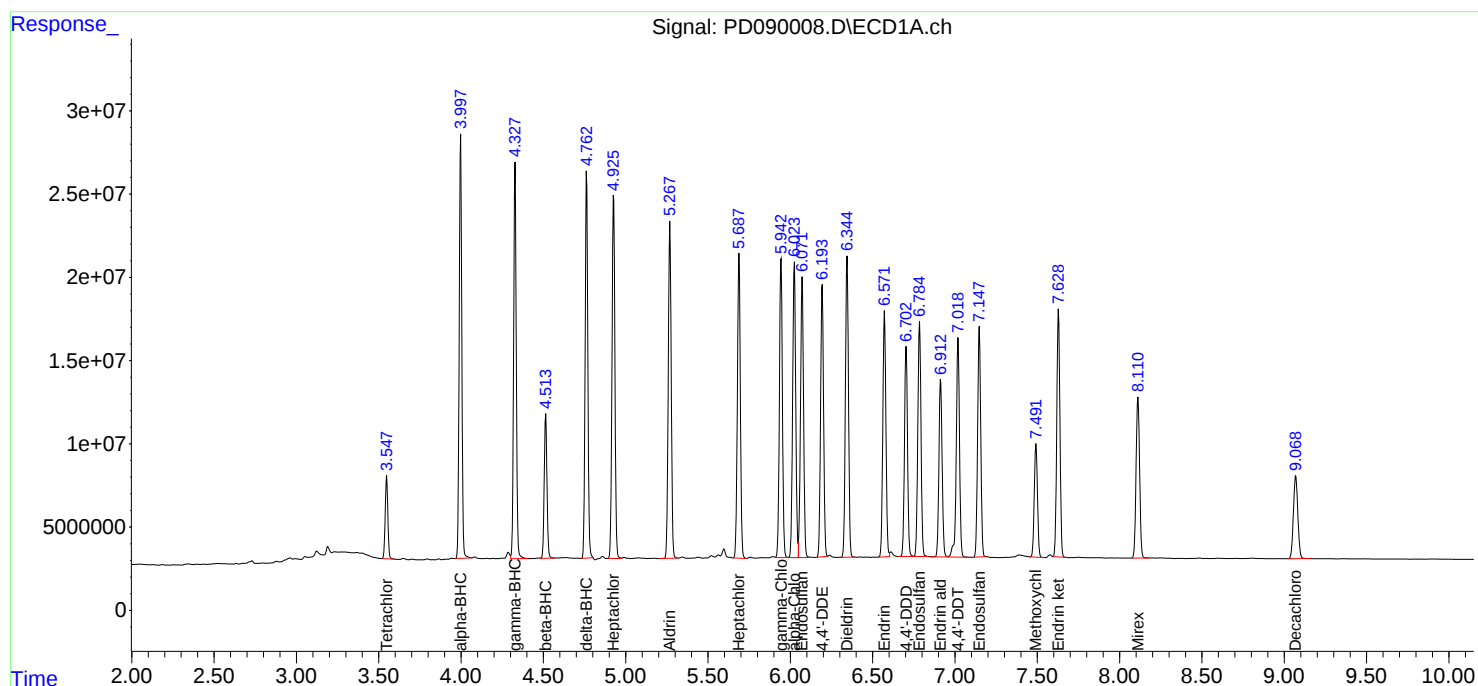
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 14:47
Operator : AR\AJ
Sample : PB169360BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169360BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:52:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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:	Hero Construction	Date Collected:	08/20/25
Project:	Residential Soil Testing	Date Received:	08/20/25
Client Sample ID:	BRIDGE-WESTMS	SDG No.:	Q2928
Lab Sample ID:	Q2915-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090020.D	1	08/22/25 10:21	08/22/25 19:17	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.1		0.15	1.90	ug/kg
319-85-7	beta-BHC	17.2		0.20	1.90	ug/kg
319-86-8	delta-BHC	15.0		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.6		0.16	1.90	ug/kg
76-44-8	Heptachlor	15.6		0.14	1.90	ug/kg
309-00-2	Aldrin	17.2		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.9		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.8		0.16	1.90	ug/kg
60-57-1	Dieldrin	16.6		0.16	1.90	ug/kg
72-55-9	4,4-DDE	16.9		0.16	1.90	ug/kg
72-20-8	Endrin	16.5		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	15.9		0.33	1.90	ug/kg
72-54-8	4,4-DDD	16.2		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	14.5		0.15	1.90	ug/kg
50-29-3	4,4-DDT	14.0		0.16	1.90	ug/kg
72-43-5	Methoxychlor	13.7		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	14.4		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	17.6		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	16.9		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	17.1		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.0		20 - 144	60%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.5		19 - 148	77%	SPK: 20

Report of Analysis

Client:	Hero Construction	Date Collected:	08/20/25
Project:	Residential Soil Testing	Date Received:	08/20/25
Client Sample ID:	BRIDGE-WESTMS	SDG No.:	Q2928
Lab Sample ID:	Q2915-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090020.D	1	08/22/25 10:21	08/22/25 19:17	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PD082225\
 Data File : PD090020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 19:17
 Operator : AR\AJ
 Sample : Q2915-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 BRIDGE-WESTMS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/25/2025
 Supervised By : mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:55:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.876	41870940	340.8E6	14.267m	15.457m
28)	SA Decachlor...	9.068	8.065	51755991	245.0E6	11.992m	9.466
Target Compounds							
2)	A alpha-BHC	3.998	3.388	271.7E6	1533.0E6	45.263	45.169m
3)	MA gamma-BHC...	4.328	3.726	249.3E6	1370.6E6	43.535	43.971
4)	MA Heptachlor	4.927	4.078	227.8E6	1286.8E6	40.610	41.254
5)	MB Aldrin	5.268	4.364	243.6E6	1388.7E6	44.987	45.599
6)	B beta-BHC	4.515	4.021	98367469	606.4E6	43.855	45.491
7)	B delta-BHC	4.763	4.257	205.3E6	1183.0E6	39.650	37.496
8)	B Heptachlo...	5.688	4.868	214.1E6	1238.7E6	43.636	44.725
9)	A Endosulfan I	6.072	5.241	197.6E6	1164.5E6	42.816	44.409
10)	B gamma-Chl...	5.944	5.120	212.4E6	1338.9E6	43.429	45.217
11)	B alpha-Chl...	6.024	5.185	210.3E6	1276.0E6	42.719	44.713
12)	B 4,4'-DDE	6.193	5.370	190.4E6	1288.7E6	43.389	44.711
13)	MA Dieldrin	6.345	5.507	207.7E6	1286.3E6	42.423	43.921
14)	MA Endrin	6.572	5.784	174.7E6	1167.7E6	42.158	43.846
15)	B Endosulfa...	6.784	6.075	170.2E6	1065.7E6	40.341	42.130
16)	A 4,4'-DDD	6.703	5.924	148.5E6	998.7E6	42.944	41.535
17)	MA 4,4'-DDT	7.017	6.178	138.4E6	927.8E6	36.323m	37.010
18)	B Endrin al...	6.913	6.253	133.5E6	782.0E6	46.574	45.415
19)	B Endosulfa...	7.147	6.477	150.6E6	938.1E6	38.424	38.477
20)	A Methoxychlor	7.491	6.747	73048635	456.2E6	36.422	35.375m
21)	B Endrin ke...	7.628	6.986	158.3E6	986.1E6	38.185	37.009
22)	Mirex	8.110	7.179	127.7E6	755.6E6	40.493m	36.578

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 19:17
Operator : AR\AJ
Sample : Q2915-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

BRIDGE-WESTMS

Manual Integrations

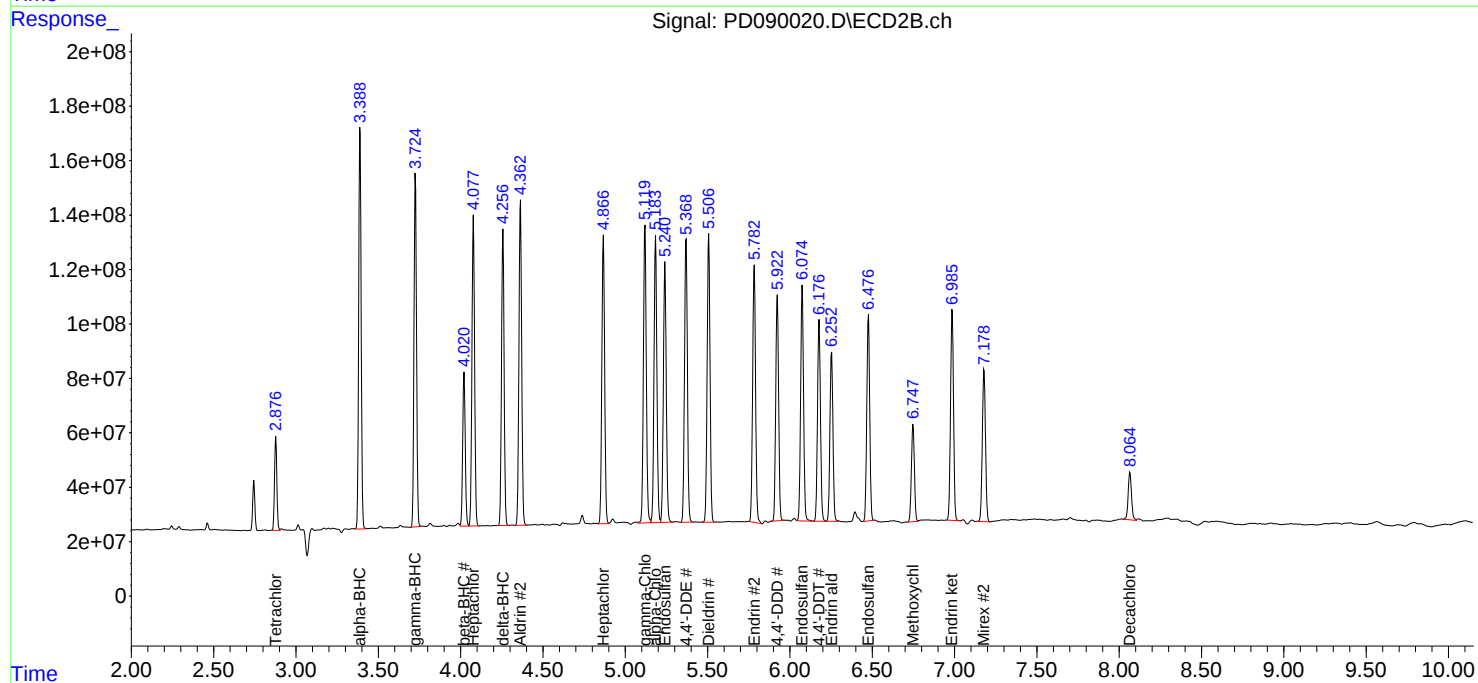
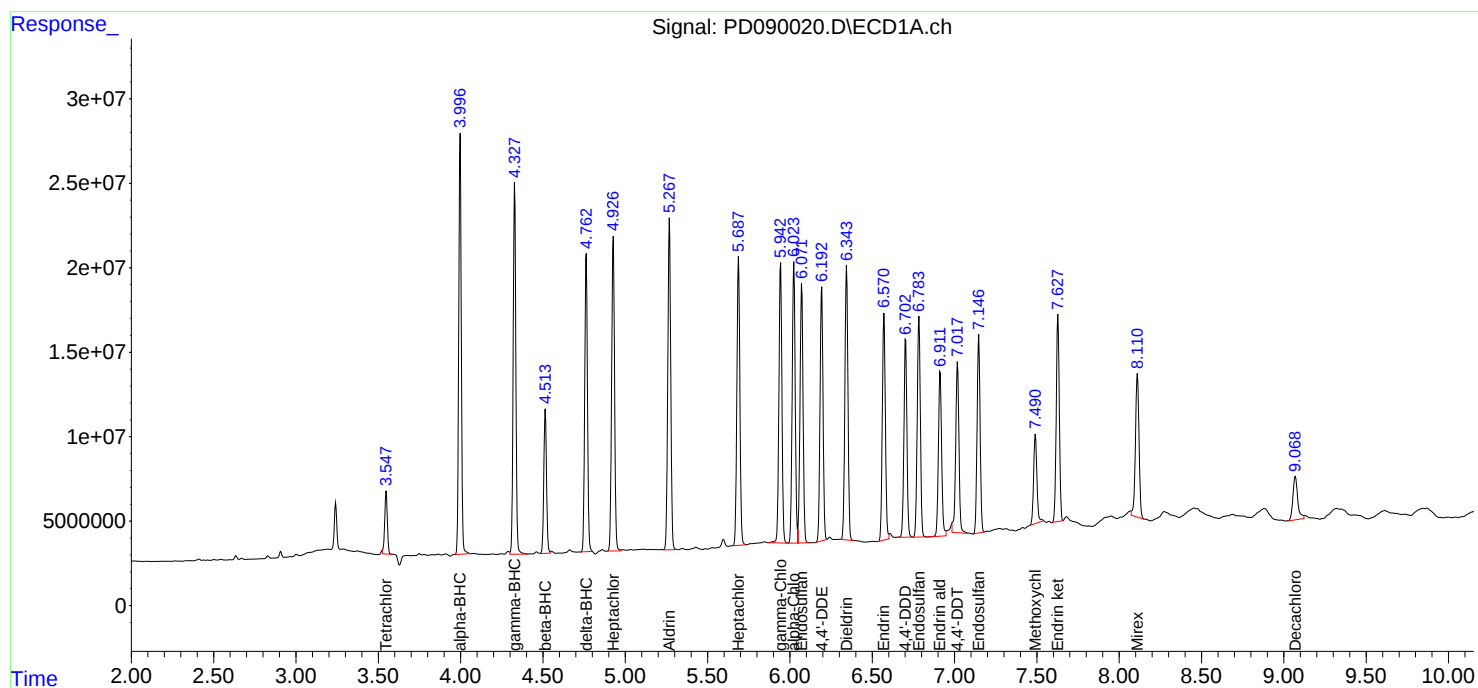
APPROVED

Reviewed By :Abdul Mirza 08/25/2025

Supervised By :mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:55:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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:	Hero Construction	Date Collected:	08/20/25
Project:	Residential Soil Testing	Date Received:	08/20/25
Client Sample ID:	BRIDGE-WESTMSD	SDG No.:	Q2928
Lab Sample ID:	Q2915-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090021.D	1	08/22/25 10:21	08/22/25 19:31	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.7		0.15	1.90	ug/kg
319-85-7	beta-BHC	17.6		0.20	1.90	ug/kg
319-86-8	delta-BHC	15.5		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.16	1.90	ug/kg
76-44-8	Heptachlor	15.8		0.14	1.90	ug/kg
309-00-2	Aldrin	17.7		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	17.4		0.22	1.90	ug/kg
959-98-8	Endosulfan I	17.3		0.16	1.90	ug/kg
60-57-1	Dieldrin	17.1		0.16	1.90	ug/kg
72-55-9	4,4-DDE	17.7		0.16	1.90	ug/kg
72-20-8	Endrin	17.1		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	16.4		0.33	1.90	ug/kg
72-54-8	4,4-DDD	17.1		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	14.9		0.15	1.90	ug/kg
50-29-3	4,4-DDT	14.4		0.16	1.90	ug/kg
72-43-5	Methoxychlor	13.5		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	14.9		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	16.5		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	17.6		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.4		20 - 144	52%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.6		19 - 148	78%	SPK: 20

Report of Analysis

Client:	Hero Construction	Date Collected:	08/20/25
Project:	Residential Soil Testing	Date Received:	08/20/25
Client Sample ID:	BRIDGE-WESTMSD	SDG No.:	Q2928
Lab Sample ID:	Q2915-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090021.D	1	08/22/25 10:21	08/22/25 19:31	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PD082225\
 Data File : PD090021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Aug 2025 19:31
 Operator : AR\AJ
 Sample : Q2915-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 BRIDGE-WESTMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/25/2025
 Supervised By : mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 25 01:55:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.876	43784797	343.7E6	14.919m	15.588m
28)	SA Decachlor...	9.067	8.065	44754789	255.5E6	10.370	9.869
Target Compounds							
2)	A alpha-BHC	3.997	3.388	281.1E6	1556.8E6	46.832	45.871m
3)	MA gamma-BHC...	4.329	3.726	256.9E6	1397.2E6	44.867	44.825
4)	MA Heptachlor	4.927	4.079	235.0E6	1304.0E6	41.904	41.806
5)	MB Aldrin	5.268	4.364	252.5E6	1424.3E6	46.635	46.766
6)	B beta-BHC	4.514	4.021	101.7E6	620.5E6	45.329	46.549
7)	B delta-BHC	4.763	4.258	212.8E6	1211.2E6	41.098	38.389
8)	B Heptachlo...	5.688	4.868	222.4E6	1276.3E6	45.326	46.085
9)	A Endosulfan I	6.072	5.242	207.4E6	1203.9E6	44.931	45.912
10)	B gamma-Chl...	5.943	5.121	222.9E6	1378.9E6	45.567	46.568
11)	B alpha-Chl...	6.024	5.185	220.4E6	1318.3E6	44.770	46.196
12)	B 4,4'-DDE	6.193	5.370	205.5E6	1338.5E6	46.835	46.440
13)	MA Dieldrin	6.344	5.508	218.0E6	1329.1E6	44.530	45.382
14)	MA Endrin	6.572	5.784	182.3E6	1206.3E6	44.000	45.293
15)	B Endosulfa...	6.784	6.075	179.2E6	1101.4E6	42.469	43.542
16)	A 4,4'-DDD	6.703	5.924	156.3E6	1034.8E6	45.193	43.037
17)	MA 4,4'-DDT	7.017	6.178	131.7E6	953.8E6	34.562m	38.044
18)	B Endrin al...	6.913	6.254	120.8E6	752.8E6	42.131	43.717
19)	B Endosulfa...	7.147	6.477	153.8E6	963.5E6	39.251	39.521
20)	A Methoxychlor	7.491	6.747	67660815	462.1E6	33.736	35.837m
21)	B Endrin ke...	7.628	6.986	163.1E6	1029.7E6	39.346	38.646
22)	Mirex	8.110	7.179	131.5E6	796.6E6	41.679	38.567

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082225\
Data File : PD090021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Aug 2025 19:31
Operator : AR\AJ
Sample : Q2915-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

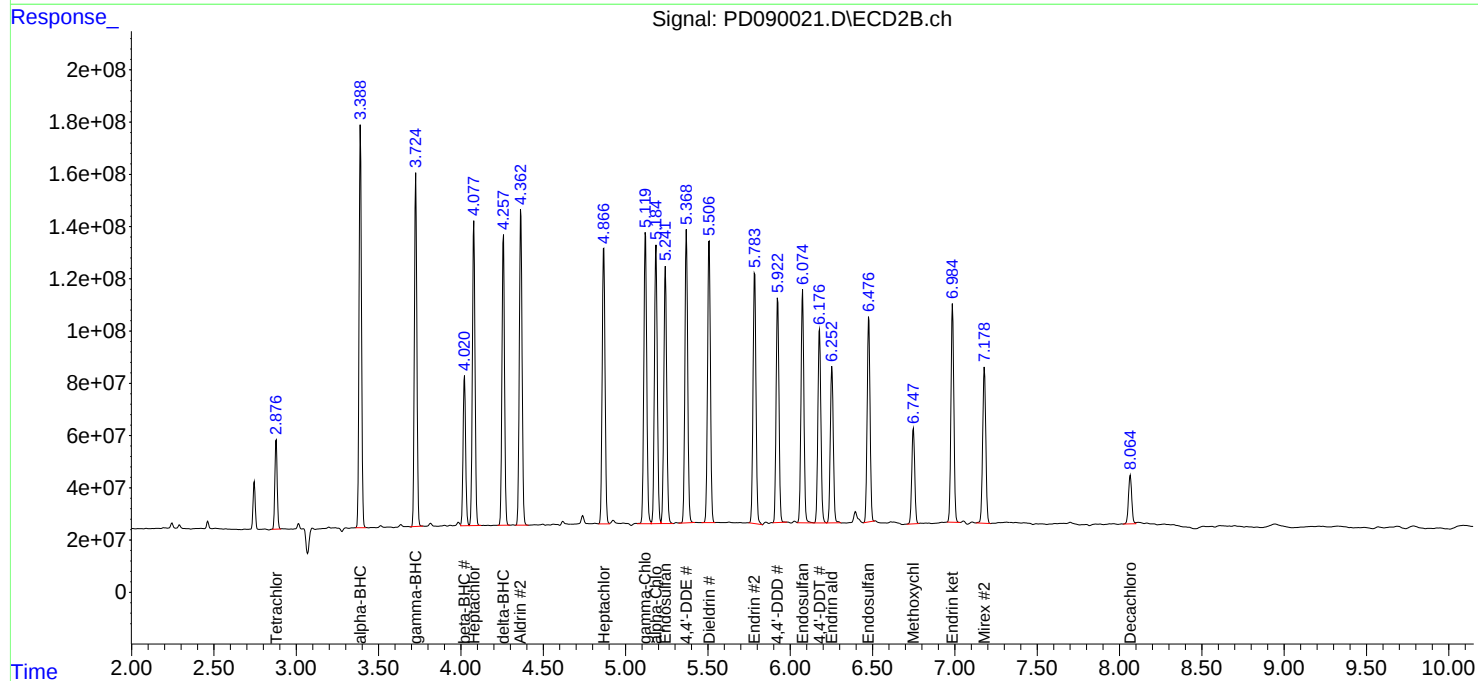
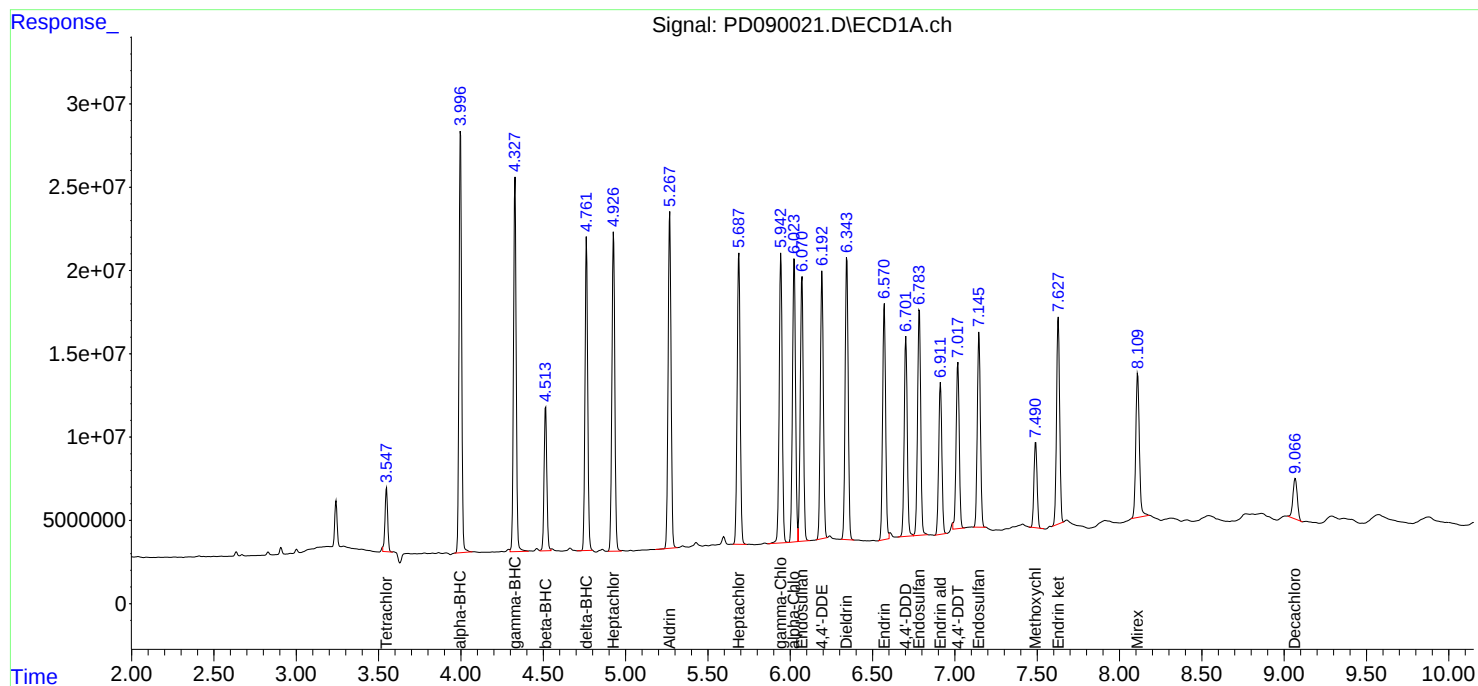
Instrument :
ECD_D
ClientSampleId :
BRIDGE-WESTMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/25/2025
Supervised By :mohammad ahmed 08/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 01:55:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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:

pd081825

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PD089961.D	Decachlorobiphenyl #2	Abdul	8/19/2025 9:46:41 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software
I.BLK	PD089961.D	Tetrachloro-m-xylene #2	Abdul	8/19/2025 9:46:41 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software
PSTDICC100	PD089964.D	gamma-Chlordane #2	Abdul	8/19/2025 9:46:43 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software
PSTDICC075	PD089965.D	gamma-Chlordane #2	Abdul	8/19/2025 9:46:47 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software
PSTDICC005	PD089968.D	gamma-Chlordane #2	Abdul	8/19/2025 9:46:50 AM	mohammad	8/20/2025 3:05:23	Peak Integrated by Software

Manual Integration Report

Sequence:	pd081925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089984.D	Endrin ketone	Abdul	8/21/2025 9:27:07 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PEM	PD089984.D	Endrin ketone #2	Abdul	8/21/2025 9:27:07 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PEM	PD089993.D	4,4"-DDD	Abdul	8/20/2025 8:41:34 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PEM	PD089993.D	Endrin ketone	Abdul	8/20/2025 8:41:34 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PEM	PD089993.D	Endrin ketone #2	Abdul	8/20/2025 8:41:34 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PTOXCCC500	PD089996.D	Toxaphene-5	Abdul	8/20/2025 8:41:37 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software
PSTDCCC050	PD090000.D	gamma-Chlordane #2	Abdul	8/20/2025 8:41:10 AM	mohammad	8/22/2025 2:04:20	Peak Integrated by Software

Manual Integration Report

Sequence:

pd082225

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090005.D	Endrin ketone	Abdul	8/25/2025 9:37:48 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
PEM	PD090005.D	Endrin ketone #2	Abdul	8/25/2025 9:37:48 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
PEM	PD090014.D	4,4"-DDD	Abdul	8/25/2025 9:38:06 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
PEM	PD090014.D	alpha-BHC #2	Abdul	8/25/2025 9:38:06 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
PEM	PD090014.D	Endrin ketone	Abdul	8/25/2025 9:38:06 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
PEM	PD090014.D	Endrin ketone #2	Abdul	8/25/2025 9:38:06 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
PSTDCCC050	PD090015.D	4,4"-DDT	Abdul	8/25/2025 9:38:10 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MS	PD090020.D	4,4"-DDT	Abdul	8/25/2025 9:38:26 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MS	PD090020.D	alpha-BHC #2	Abdul	8/25/2025 9:38:26 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MS	PD090020.D	Decachlorobiphenyl	Abdul	8/25/2025 9:38:26 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MS	PD090020.D	Methoxychlor #2	Abdul	8/25/2025 9:38:26 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MS	PD090020.D	Mirex	Abdul	8/25/2025 9:38:26 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MS	PD090020.D	Tetrachloro-m-xylene	Abdul	8/25/2025 9:38:26 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software

Manual Integration Report

Sequence:	pd082225	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2915-01MS	PD090020.D	Tetrachloro-m-xylene #2	Abdul	8/25/2025 9:38:26 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MSD	PD090021.D	4,4"-DDT	Abdul	8/25/2025 9:38:30 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MSD	PD090021.D	alpha-BHC #2	Abdul	8/25/2025 9:38:30 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MSD	PD090021.D	Methoxychlor #2	Abdul	8/25/2025 9:38:30 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MSD	PD090021.D	Tetrachloro-m-xylene	Abdul	8/25/2025 9:38:30 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2915-01MSD	PD090021.D	Tetrachloro-m-xylene #2	Abdul	8/25/2025 9:38:30 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2928-01	PD090023.D	Decachlorobiphenyl	Abdul	8/25/2025 9:38:37 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2928-01	PD090023.D	Decachlorobiphenyl #2	Abdul	8/25/2025 9:38:37 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
Q2928-01	PD090023.D	Tetrachloro-m-xylene #2	Abdul	8/25/2025 9:38:37 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
I.BLK	PD090024.D	Decachlorobiphenyl	Abdul	8/25/2025 9:38:41 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
PSTDCCC050	PD090025.D	delta-BHC	Abdul	8/25/2025 9:38:45 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software
PSTDCCC050	PD090025.D	Methoxychlor #2	Abdul	8/25/2025 9:38:45 AM	mohammad	8/26/2025 1:26:41	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pd082225

Instrument

ECD_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081825

Review By	Abdul	Review On	8/19/2025 9:47:27 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:23 AM
SubDirectory	PD081825	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089960.D	18 Aug 2025 10:30	AR\AJ	Ok
2	I.BLK	PD089961.D	18 Aug 2025 10:44	AR\AJ	Ok,M
3	PEM	PD089962.D	18 Aug 2025 10:57	AR\AJ	Ok
4	RESCHK	PD089963.D	18 Aug 2025 11:11	AR\AJ	Ok
5	PSTDICC100	PD089964.D	18 Aug 2025 11:25	AR\AJ	Ok,M
6	PSTDICC075	PD089965.D	18 Aug 2025 11:39	AR\AJ	Ok,M
7	PSTDICC050	PD089966.D	18 Aug 2025 11:53	AR\AJ	Ok
8	PSTDICC025	PD089967.D	18 Aug 2025 12:06	AR\AJ	Ok
9	PSTDICC005	PD089968.D	18 Aug 2025 12:20	AR\AJ	Ok,M
10	PCHLORICC1000	PD089969.D	18 Aug 2025 13:50	AR\AJ	Not Ok
11	PCHLORICC750	PD089970.D	18 Aug 2025 14:06	AR\AJ	Not Ok
12	PCHLORICC500	PD089971.D	18 Aug 2025 14:19	AR\AJ	Not Ok
13	PCHLORICC250	PD089972.D	18 Aug 2025 14:33	AR\AJ	Not Ok
14	PCHLORICC050	PD089973.D	18 Aug 2025 14:47	AR\AJ	Not Ok
15	PTOXICC1000	PD089974.D	18 Aug 2025 15:00	AR\AJ	Ok
16	PTOXICC750	PD089975.D	18 Aug 2025 15:17	AR\AJ	Ok
17	PTOXICC500	PD089976.D	18 Aug 2025 15:31	AR\AJ	Ok
18	PTOXICC250	PD089977.D	18 Aug 2025 15:44	AR\AJ	Ok
19	PTOXICC100	PD089978.D	18 Aug 2025 15:58	AR\AJ	Ok
20	PSTDICV050	PD089979.D	18 Aug 2025 16:12	AR\AJ	Ok
21	PCHLORICV500	PD089980.D	18 Aug 2025 16:25	AR\AJ	Not Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081825

Review By	Abdul	Review On	8/19/2025 9:47:27 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:23 AM
SubDirectory	PD081825	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD089981.D	18 Aug 2025 16:39	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081925

Review By	Abdul	Review On	8/20/2025 8:42:02 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:20 AM
SubDirectory	PD081925	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089982.D	19 Aug 2025 09:36	AR\AJ	Ok
2	I.BLK	PD089983.D	19 Aug 2025 09:50	AR\AJ	Ok
3	PEM	PD089984.D	19 Aug 2025 10:03	AR\AJ	Ok,M
4	RESCHK	PD089985.D	19 Aug 2025 10:17	AR\AJ	Ok
5	PCHLORICC1000	PD089986.D	19 Aug 2025 10:30	AR\AJ	Ok
6	PCHLORICC750	PD089987.D	19 Aug 2025 11:10	AR\AJ	Ok
7	PCHLORICC500	PD089988.D	19 Aug 2025 11:24	AR\AJ	Ok
8	PCHLORICC250	PD089989.D	19 Aug 2025 11:37	AR\AJ	Ok
9	PCHLORICC050	PD089990.D	19 Aug 2025 11:51	AR\AJ	Ok,M
10	PCHLORICV500	PD089991.D	19 Aug 2025 12:28	AR\AJ	Ok
11	I.BLK	PD089992.D	19 Aug 2025 13:29	AR\AJ	Ok
12	PEM	PD089993.D	19 Aug 2025 13:43	AR\AJ	Ok,M
13	PSTDCCC050	PD089994.D	19 Aug 2025 13:56	AR\AJ	Ok
14	PCHLORCCC500	PD089995.D	19 Aug 2025 14:48	AR\AJ	Ok
15	PTOXCCC500	PD089996.D	19 Aug 2025 15:04	AR\AJ	Ok,M
16	PB169206BS	PD089997.D	19 Aug 2025 16:02	AR\AJ	Ok
17	PB169206BS	PD089998.D	19 Aug 2025 16:16	AR\AJ	Ok
18	I.BLK	PD089999.D	19 Aug 2025 16:38	AR\AJ	Ok
19	PSTDCCC050	PD090000.D	19 Aug 2025 16:52	AR\AJ	Ok,M
20	PCHLORCCC500	PD090001.D	19 Aug 2025 17:05	AR\AJ	Ok
21	PTOXCCC500	PD090002.D	19 Aug 2025 17:19	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD082225

Review By	Abdul	Review On	8/25/2025 9:39:45 AM
Supervise By	mohammad	Supervise On	8/26/2025 1:26:41 AM
SubDirectory	PD082225	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090003.D	22 Aug 2025 08:42	AR\AJ	Ok
2	I.BLK	PD090004.D	22 Aug 2025 08:55	AR\AJ	Ok
3	PEM	PD090005.D	22 Aug 2025 09:09	AR\AJ	Ok,M
4	PSTDCCC050	PD090006.D	22 Aug 2025 09:22	AR\AJ	Ok
5	PB169360BL	PD090007.D	22 Aug 2025 14:34	AR\AJ	Ok
6	PB169360BS	PD090008.D	22 Aug 2025 14:47	AR\AJ	Ok
7	Q2916-01	PD090009.D	22 Aug 2025 15:01	AR\AJ	Ok,M
8	Q2917-01	PD090010.D	22 Aug 2025 15:15	AR\AJ	Ok,M
9	Q2919-01	PD090011.D	22 Aug 2025 15:28	AR\AJ	Ok,M
10	Q2926-01	PD090012.D	22 Aug 2025 15:42	AR\AJ	Ok,M
11	I.BLK	PD090013.D	22 Aug 2025 15:56	AR\AJ	Ok
12	PEM	PD090014.D	22 Aug 2025 16:09	AR\AJ	Ok,M
13	PSTDCCC050	PD090015.D	22 Aug 2025 17:27	AR\AJ	Ok,M
14	Q2932-01	PD090016.D	22 Aug 2025 18:22	AR\AJ	Ok,M
15	Q2932-03	PD090017.D	22 Aug 2025 18:36	AR\AJ	Ok,M
16	Q2909-01	PD090018.D	22 Aug 2025 18:50	AR\AJ	Ok,M
17	Q2915-01	PD090019.D	22 Aug 2025 19:03	AR\AJ	Ok,M
18	Q2915-01MS	PD090020.D	22 Aug 2025 19:17	AR\AJ	Ok,M
19	Q2915-01MSD	PD090021.D	22 Aug 2025 19:31	AR\AJ	Ok,M
20	Q2915-03	PD090022.D	22 Aug 2025 19:44	AR\AJ	Ok,M
21	Q2928-01	PD090023.D	22 Aug 2025 19:58	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD082225

Review By	Abdul	Review On	8/25/2025 9:39:45 AM
Supervise By	mohammad	Supervise On	8/26/2025 1:26:41 AM
SubDirectory	PD082225	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	I.BLK	PD090024.D	22 Aug 2025 20:12	AR\AJ	Ok,M
23	PSTDCCC050	PD090025.D	22 Aug 2025 20:25	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081825

Review By	Abdul	Review On	8/19/2025 9:47:27 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:23 AM
SubDirectory	PD081825	HP Acquire Method	HP Processing Method pd081825 8081

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

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089960.D	18 Aug 2025 10:30		AR\AJ	Ok
2	I.BLK	I.BLK	PD089961.D	18 Aug 2025 10:44		AR\AJ	Ok,M
3	PEM	PEM	PD089962.D	18 Aug 2025 10:57		AR\AJ	Ok
4	RESCHK	RESCHK	PD089963.D	18 Aug 2025 11:11		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD089964.D	18 Aug 2025 11:25		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PD089965.D	18 Aug 2025 11:39		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PD089966.D	18 Aug 2025 11:53		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD089967.D	18 Aug 2025 12:06		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD089968.D	18 Aug 2025 12:20		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD089969.D	18 Aug 2025 13:50	DCB high	AR\AJ	Not Ok
11	PCHLORICC750	PCHLORICC750	PD089970.D	18 Aug 2025 14:06	DCB high	AR\AJ	Not Ok
12	PCHLORICC500	PCHLORICC500	PD089971.D	18 Aug 2025 14:19	Not used	AR\AJ	Not Ok
13	PCHLORICC250	PCHLORICC250	PD089972.D	18 Aug 2025 14:33	DCB high	AR\AJ	Not Ok
14	PCHLORICC050	PCHLORICC050	PD089973.D	18 Aug 2025 14:47	DCB high	AR\AJ	Not Ok
15	PTOXICC1000	PTOXICC1000	PD089974.D	18 Aug 2025 15:00		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089975.D	18 Aug 2025 15:17		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089976.D	18 Aug 2025 15:31		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089977.D	18 Aug 2025 15:44		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081825

Review By	Abdul	Review On	8/19/2025 9:47:27 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:23 AM
SubDirectory	PD081825	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD089978.D	18 Aug 2025 15:58		AR\AJ	Ok
20	PSTDICV050	ICVPD081825	PD089979.D	18 Aug 2025 16:12		AR\AJ	Ok
21	PCHLORICV500	ICVPD081825CHLOR	PD089980.D	18 Aug 2025 16:25	Not used	AR\AJ	Not Ok
22	PTOXICV500	ICVPD081825TOX	PD089981.D	18 Aug 2025 16:39		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081925

Review By	Abdul	Review On	8/20/2025 8:42:02 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:20 AM
SubDirectory	PD081925	HP Acquire Method	HP Processing Method pd081825 8081

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

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089982.D	19 Aug 2025 09:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD089983.D	19 Aug 2025 09:50		AR\AJ	Ok
3	PEM	PEM	PD089984.D	19 Aug 2025 10:03		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD089985.D	19 Aug 2025 10:17		AR\AJ	Ok
5	PCHLORICC1000	PCHLORICC1000	PD089986.D	19 Aug 2025 10:30		AR\AJ	Ok
6	PCHLORICC750	PCHLORICC750	PD089987.D	19 Aug 2025 11:10		AR\AJ	Ok
7	PCHLORICC500	PCHLORICC500	PD089988.D	19 Aug 2025 11:24		AR\AJ	Ok
8	PCHLORICC250	PCHLORICC250	PD089989.D	19 Aug 2025 11:37		AR\AJ	Ok
9	PCHLORICC050	PCHLORICC050	PD089990.D	19 Aug 2025 11:51		AR\AJ	Ok,M
10	PCHLORICV500	ICVPD081825CHLOR	PD089991.D	19 Aug 2025 12:28		AR\AJ	Ok
11	I.BLK	I.BLK	PD089992.D	19 Aug 2025 13:29		AR\AJ	Ok
12	PEM	PEM	PD089993.D	19 Aug 2025 13:43		AR\AJ	Ok,M
13	PSTDCCC050	PSTDCCC050	PD089994.D	19 Aug 2025 13:56		AR\AJ	Ok
14	PCHLORCCC500	PCHLORCCC500	PD089995.D	19 Aug 2025 14:48		AR\AJ	Ok
15	PTOXCCC500	PTOXCCC500	PD089996.D	19 Aug 2025 15:04		AR\AJ	Ok,M
16	PB169206BS	PB169206BS	PD089997.D	19 Aug 2025 16:02	CHLOR BS	AR\AJ	Ok
17	PB169206BS	PB169206BS	PD089998.D	19 Aug 2025 16:16	TOX BS	AR\AJ	Ok
18	I.BLK	I.BLK	PD089999.D	19 Aug 2025 16:38		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081925

Review By	Abdul	Review On	8/20/2025 8:42:02 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:20 AM
SubDirectory	PD081925	HP Acquire Method	HP Processing Method pd081825 8081

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

19	PSTDCCC050	PSTDCCC050	PD090000.D	19 Aug 2025 16:52		AR\AJ	Ok,M
20	PCHLORCCC500	PCHLORCCC500	PD090001.D	19 Aug 2025 17:05		AR\AJ	Ok
21	PTOXCCC500	PTOXCCC500	PD090002.D	19 Aug 2025 17:19		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD082225

Review By	Abdul	Review On	8/25/2025 9:39:45 AM
Supervise By	mohammad	Supervise On	8/26/2025 1:26:41 AM
SubDirectory	PD082225	HP Acquire Method	HP Processing Method pd081825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24890,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090003.D	22 Aug 2025 08:42		AR\AJ	Ok
2	I.BLK	I.BLK	PD090004.D	22 Aug 2025 08:55		AR\AJ	Ok
3	PEM	PEM	PD090005.D	22 Aug 2025 09:09		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090006.D	22 Aug 2025 09:22		AR\AJ	Ok
5	PB169360BL	PB169360BL	PD090007.D	22 Aug 2025 14:34		AR\AJ	Ok
6	PB169360BS	PB169360BS	PD090008.D	22 Aug 2025 14:47		AR\AJ	Ok
7	Q2916-01	EO-03-08202025	PD090009.D	22 Aug 2025 15:01		AR\AJ	Ok,M
8	Q2917-01	OR-02-082025	PD090010.D	22 Aug 2025 15:15		AR\AJ	Ok,M
9	Q2919-01	OK-02-08202025	PD090011.D	22 Aug 2025 15:28		AR\AJ	Ok,M
10	Q2926-01	TR-04-08212025	PD090012.D	22 Aug 2025 15:42		AR\AJ	Ok,M
11	I.BLK	I.BLK	PD090013.D	22 Aug 2025 15:56		AR\AJ	Ok
12	PEM	PEM	PD090014.D	22 Aug 2025 16:09		AR\AJ	Ok,M
13	PSTDCCC050	PSTDCCC050	PD090015.D	22 Aug 2025 17:27	Comp#7 high in 1st column	AR\AJ	Ok,M
14	Q2932-01	ARS20-0009	PD090016.D	22 Aug 2025 18:22		AR\AJ	Ok,M
15	Q2932-03	ARS20-0002-SOIL	PD090017.D	22 Aug 2025 18:36		AR\AJ	Ok,M
16	Q2909-01	4065	PD090018.D	22 Aug 2025 18:50		AR\AJ	Ok,M
17	Q2915-01	BRIDGE-WEST	PD090019.D	22 Aug 2025 19:03		AR\AJ	Ok,M
18	Q2915-01MS	BRIDGE-WESTMS	PD090020.D	22 Aug 2025 19:17		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD082225

Review By	Abdul	Review On	8/25/2025 9:39:45 AM
Supervise By	mohammad	Supervise On	8/26/2025 1:26:41 AM
SubDirectory	PD082225	HP Acquire Method	HP Processing Method pd081825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24890,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2915-01MSD	BRIDGE-WESTMSD	PD090021.D	22 Aug 2025 19:31		AR\AJ	Ok,M
20	Q2915-03	BRIDGE-EAST	PD090022.D	22 Aug 2025 19:44		AR\AJ	Ok,M
21	Q2928-01	27-BELL	PD090023.D	22 Aug 2025 19:58		AR\AJ	Ok,M
22	I.BLK	I.BLK	PD090024.D	22 Aug 2025 20:12		AR\AJ	Ok,M
23	PSTDCCC050	PSTDCCC050	PD090025.D	22 Aug 2025 20:25	Comp#7 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 08/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136920

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2926-01	TR-04-08212025	1	1.18	10.40	11.58	10.6	90.6	
Q2926-02	TR-04-08212025	2	1.16	11.03	12.19	11.11	90.2	
Q2928-01	27-BELL	3	1.17	10.46	11.63	10.09	85.3	
Q2928-02	27-BELL	4	1.19	10.25	11.44	9.72	83.2	
Q2938-01	LF1-GM	5	1.00	1.00	2.00	2.00	100.0	
Q2938-02	LF1-G	6	1.00	1.00	2.00	2.00	100.0	
Q2939-05	SVOC-GPC-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q2939-06	PEST-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2939-07	PEST-GPC-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
Q2939-08	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2939-09	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2939-10	PEST -GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2941-01	SOIL-COMP (1-2)	13	1.14	10.84	11.98	9.96	81.4	
Q2945-01	34866	14	1.19	10.08	11.27	10.84	95.7	
Q2946-01	820	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2946-02	821	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2947-01	291	17	1.12	10.63	11.75	11.33	96.0	
Q2947-02	291-E2	18	1.14	10.03	11.17	10.7	95.3	
Q2947-03	235	19	1.19	10.43	11.62	11.41	98.0	
Q2947-04	235-E2	20	1.16	10.49	11.65	11.44	98.0	
Q2948-01	KZZ054X-1-1	21	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-02	KZZ054X-1-2	22	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-03	JEH590U-1-1	23	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-04	JEH590U-1-2	24	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-05	JEH590U-2-1	25	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-06	JEH590U-2-2	26	1.00	1.00	2.00	2.00	100.0	PILC
Q2949-01	367	27	1.15	10.38	11.53	11.46	99.3	
Q2949-02	367-E2	28	1.14	11.00	12.14	11.84	97.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136920

WorkList Name : %1-082225 WorkList ID : 191408 Department : Wet-Chemistry Date : 08-22-2025 08:05:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2926-01	TR-04-08212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/21/2025	Chemtech -SO
Q2926-02	TR-04-08212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/21/2025	Chemtech -SO
Q2928-01	27-BELL	Solid	Percent Solids	Cool 4 deg C	HERO01	D31	08/21/2025	Chemtech -SO
Q2928-02	27-BELL	Solid	Percent Solids	Cool 4 deg C	HERO01	D31	08/21/2025	Chemtech -SO
Q2938-01	LF1-GM	Solid	Percent Solids	Cool 4 deg C	ENTA08	A23	08/21/2025	Chemtech -SO
Q2938-02	LF1-G	Solid	Percent Solids	Cool 4 deg C	ENTA08	A23	08/21/2025	Chemtech -SO
Q2939-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2941-01	SOIL-COMP(1-2)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/22/2025	Chemtech -SO
Q2945-01	34866	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2946-01	820	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2946-02	821	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-01	291	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-02	291-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-03	235	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-04	235-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-01	KZZ054X-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO

Date/Time 08/22/25 15:00 Date/Time 08/22/25 17:15
 Raw Sample Received by: JS (Ext-66) Raw Sample Received by: JS (Ext-66)
 Raw Sample Relinquished by: JS (Ext-66) Raw Sample Relinquished by: JS (Ext-66)

WORKLIST(Hardcopy Internal Chain)

136920

WorkList Name : %1-082225 WorkList ID : 191408 Department : Wet-Chemistry Date : 08-22-2025 08:05:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2948-02	KZZ054X-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-03	JEH590U-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-04	JEH590U-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-05	JEH590U-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-06	JEH590U-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2949-01	367	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2949-02	367-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO

Date/Time 08/22/25 13:00

Raw Sample Received by: RB WCY

Raw Sample Relinquished by: RB (Ext-66)

Date/Time 08/22/25 17:15

Raw Sample Received by: RB (Ext-66)

Raw Sample Relinquished by: RB WCY

SOP ID:	M3541-ASE Extraction-15		
Clean Up SOP #:	Florisil	Extraction Start Date :	08/22/2025
Matrix :	Solid	Extraction Start Time :	10:21
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Extraction End Date :	08/22/2025
Balance ID:	EX-SC-2	Filter By:	RJ
pH Strip Lot#:	N/A	Extraction End Time :	13:30
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

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

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2627
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Hexane	N/A	E3962
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.Q2909-01 used Limited volume as sample is Oily debris.

KD Bath ID:	N/A	Envap ID:	NE VAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/22/25	RS (Ext Lab)	Y-P. Pesh IB LB
13:35	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/22/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169360BL	PBLK360	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U1-1
PB169360BS	PLCS360	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2909-01	4065	Pesticide-TCL	5.07	N/A	ritesh	Evelyn	10	E	Oily Debris	3
Q2915-01	BRIDGE-WEST	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2915-01MS	BRIDGE-WESTMS	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q2915-01MS D	BRIDGE-WESTMSD	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		6
Q2915-03	BRIDGE-EAST	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		U2-1
Q2916-01	EO-03-08202025	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q2917-01	OR-02-082025	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q2919-01	OK-02-08202025	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		4
Q2926-01	TR-04-08212025	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		5
Q2928-01	27-BELL	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q2932-01	ARS20-0009	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		U3-1
Q2932-03	ARS20-0002-SOIL	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		2

10:21
10:21
10:21

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2926P WorkList ID : 191422 Department : Extraction Date : 08-22-2025 10:14:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2909-01	4065	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D11	08/20/2025	8081B
Q2915-01	BRIDGE-WEST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D21	08/20/2025	8081B
Q2915-03	BRIDGE-EAST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D21	08/20/2025	8081B
Q2916-01	EO-03-08202025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D21	08/20/2025	8081B
Q2917-01	OR-02-082025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	08/20/2025	8081B
Q2919-01	OK-02-08202025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D21	08/20/2025	8081B
Q2926-01	TR-04-08212025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	08/21/2025	8081B
Q2928-01	27-BELL	Solid	Pesticide-TCL	Cool 4 deg C	HERO01	D31	08/21/2025	8081B
Q2932-01	ARS20-0009	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	08/21/2025	8081B
Q2932-03	ARS20-0002-SOIL	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	08/21/2025	8081B

Date/Time 08/22/25 10:15
Raw Sample Received by: RJ LFAK-LAB
Raw Sample Relinquished by: JD CSM

Date/Time 08/22/25 10:30
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: RJ LFAK-LAB



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Hero Construction
ADDRESS: 27 Bell street
CITY: Orange STATE: NJ ZIP:
ATTENTION: Khadija Smith
PHONE: FAX:

PROJECT NAME: Residential soil testing
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

BILL TO: PO#:
ADDRESS:
CITY: LA STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 5-DAY TAT DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ 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: Cyanide 2: EPA-F2 3: Pesticide-TCL 4: 5: VOC-TCL BNA-20 6: VOC-TCL VOA-10 7: 8: 9:

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	27 BELL	SOL	X		8-21-25	1306	4	X	X	X	X						
2.	L	L		X	L	1310	4					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:	DATE/TIME: 1324	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT COOLER TEMP: 3.9°C
1. [Signature]	8-21-2025	1. Khadija Smith	Comments: Eg2021 volume of soil used, 5:1 composite
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. [Signature]		2. [Signature]	
RELINQUISHED BY SAMPLER:	DATE/TIME: 1730	RECEIVED BY:	
3. [Signature]	8-21-2025	3. [Signature]	

CHEMTECH

Environmental Laboratory

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

Project Name: Residential

Soil Testing

Service Order #:

Work Order #:

Labor WBS #:

Facility/Site:

Site Address: 22 Bell Street

Danvers, N.J.

Chemtech Order ID:

Sampler Name: Katherine Cavan

Client Project Coordinator & Phone:

Page #: 1 of 1

Date: 8-21-2025

Arrive Time: 12:40

Depart Time: 1:324

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

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

Collection Depths:

Temp (range):

°C

PID Readings (range):

Dimensions/CY:

222cy

PPM

Odor: Y / ☒ N

Color: ☒ Y / ☒ N

Sample Description:

Brown soil, rocks.

Field Observations:

sampled, 22 Bell.

Grid/Area Composite Map:

QA Control # A3041134

$$L \times W \times H = 48 \times 23 \times 5 = 6,000 \text{ CF}$$
$$27 = 222 \text{ cy}$$

WATER

L=48"

W=23"

H=5"

Sampler Signature:

8-21-2025

Client Signature:

Michael Smith

Supervisor Review/Date:

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	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2928	HERO01	Order Date : 8/21/2025 12:10:14 PM	Project Mgr :
Client Name : Hero Construction		Project Name : Residential Soil Testing	Report Type : Level 1
Client Contact : Khadija Smith		Receive DateTime : 8/21/2025 12:00:00 AM	EDD Type : EQUIS
Invoice Name : Hero Construction		Purchase Order : 5:30 PM	Hard Copy Date :
Invoice Contact : Khadija Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2928-02	27-BELL	Solid	08/21/2025	13:10	VOC-TCLVOA-10		8260D		

5
10 Bus. Days
OK

Encls

Stated in r. A
Frz # 02

Relinquished By : al

Date / Time : 8/22/25 8:45

Received By : Khadija Smith

Date / Time : 8/22/25 10:30 AM

Storage Area : VOA Refridgerator Room