

Cover Page

Order ID : Q2818

Project ID : Reserve Turgyan Farms

Client : Earth Engineering Inc.

Lab Sample Number

Q2818-01
Q2818-02
Q2818-04
Q2818-05

Client Sample Number

B-2-5-1
B-3-5-2
B-2-5-1
B-3-5-2

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: 8/22/2025

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 #: Q2818

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: 08/22/2025

LAB CHRONICLE

OrderID:	Q2818	OrderDate:	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	Project:	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	Location:	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	B-2-5-1	SOIL			08/11/25			08/11/25
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-01DL	B-2-5-1DL	Solid			08/11/25			08/11/25
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-02	B-3-5-2	SOIL			08/11/25			08/11/25
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-02DL	B-3-5-2DL	Solid			08/11/25			08/11/25
			EPH_NF	NJEPH		08/12/25	08/13/25	

Hit Summary Sheet
SW-846

SDG No.: Q2818

Order ID: Q2818

Client: Earth Engineering Inc.

Project ID: Reserve Turgyan Farms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-2-5-1								
Q2818-01	B-2-5-1	SOIL	4,4-DDE	1.40	JP	0.16	1.90	ug/kg
Q2818-01	B-2-5-1	SOIL	4,4-DDD	0.43	JP	0.17	1.90	ug/kg
Q2818-01	B-2-5-1	SOIL	alpha-Chlordane	0.38	J	0.14	1.90	ug/kg
Q2818-01	B-2-5-1	SOIL	gamma-Chlordane	0.23	J	0.17	1.90	ug/kg
Total Concentration:				2.440				
Client ID : B-3-5-2								
Q2818-02	B-3-5-2	SOIL	Dieldrin	4.60	P	0.16	1.90	ug/kg
Q2818-02	B-3-5-2	SOIL	4,4-DDE	1.60	JP	0.16	1.90	ug/kg
Q2818-02	B-3-5-2	SOIL	Methoxychlor	14.8	P	0.41	1.90	ug/kg
Q2818-02	B-3-5-2	SOIL	alpha-Chlordane	0.84	JP	0.13	1.90	ug/kg
Total Concentration:				21.840				



QC SUMMARY

Surrogate Summary

SDG No.: **Q2818**

Client: **Earth Engineering Inc.**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD089685.D	PIBLK-PD089685.D	Decachlorobiphen	1	20	20.9	104		57	171
		Tetrachloro-m-xyl	1	20	19.6	98		61	148
		Decachlorobiphen	2	20	20.9	104		57	171
		Tetrachloro-m-xyl	2	20	20.4	102		61	148
I.BLK-PD089862.D	PIBLK-PD089862.D	Decachlorobiphen	1	20	20.3	101		57	171
		Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	25.1	125		61	148
PB169206BL	PB169206BL	Decachlorobiphen	1	20	19.4	97		20	144
		Tetrachloro-m-xyl	1	20	18.8	94		19	148
		Decachlorobiphen	2	20	22.7	113		20	144
		Tetrachloro-m-xyl	2	20	24.0	120		19	148
PB169206BS	PB169206BS	Decachlorobiphen	1	20	19.0	95		20	144
		Tetrachloro-m-xyl	1	20	18.1	91		19	148
		Decachlorobiphen	2	20	22.3	112		20	144
		Tetrachloro-m-xyl	2	20	23.2	116		19	148
Q2818-01	B-2-5-1	Decachlorobiphen	1	20	12.7	64		20	144
		Tetrachloro-m-xyl	1	20	14.2	71		19	148
		Decachlorobiphen	2	20	17.7	89		20	144
		Tetrachloro-m-xyl	2	20	16.8	84		19	148
Q2818-02	B-3-5-2	Decachlorobiphen	1	20	14.5	72		20	144
		Tetrachloro-m-xyl	1	20	18.3	91		19	148
		Decachlorobiphen	2	20	16.6	83		20	144
		Tetrachloro-m-xyl	2	20	19.3	96		19	148
I.BLK-PD089875.D	PIBLK-PD089875.D	Decachlorobiphen	1	20	20.0	100		57	171
		Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	21.9	110		57	171
		Tetrachloro-m-xyl	2	20	25.0	125		61	148
I.BLK-PD089888.D	PIBLK-PD089888.D	Decachlorobiphen	1	20	19.4	97		57	171
		Tetrachloro-m-xyl	1	20	19.3	96		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	25.4	127		61	148
Q2819-14MS	17M-WMS	Decachlorobiphen	1	20	12.3	62		20	144
		Tetrachloro-m-xyl	1	20	17.3	86		19	148
		Decachlorobiphen	2	20	17.7	88		20	144
		Tetrachloro-m-xyl	2	20	21.3	107		19	148
Q2819-14MSD	17M-WMSD	Decachlorobiphen	1	20	12.2	61		20	144
		Tetrachloro-m-xyl	1	20	17.1	85		19	148
		Decachlorobiphen	2	20	17.9	89		20	144
		Tetrachloro-m-xyl	2	20	21.6	108		19	148
I.BLK-PD089901.D	PIBLK-PD089901.D	Decachlorobiphen	1	20	19.2	96		57	171

Surrogate Summary

SDG No.: Q2818

Client: Earth Engineering Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD089901.D	PIBLK-PD089901.D	Tetrachloro-m-xyl	1	20	19.2	96		61	148
		Decachlorobiphen	2	20	23.4	117		57	171
		Tetrachloro-m-xyl	2	20	24.5	123		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2818</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PD089894.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Limits		
			Result	Result				RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2819-14MS	Client Sample ID:		17M-WMS								
	(Column 1)											
	alpha-BHC	19.46	0	20.0	ug/kg	103				45	137	
	beta-BHC	19.46	0	19.1	ug/kg	98				50	136	
	delta-BHC	19.46	0	19.3	ug/kg	99				47	139	
	gamma-BHC (Lindane)	19.46	0	19.3	ug/kg	99				49	135	
	Heptachlor	19.46	0	19.2	ug/kg	99				47	136	
	Aldrin	19.46	0	14.7	ug/kg	76				45	136	
	Heptachlor epoxide	19.46	0	26.6	ug/kg	137	*			52	136	
	Endosulfan I	19.46	0	19.2	ug/kg	99				53	132	
	Dieldrin	19.46	0	20.3	ug/kg	104				56	136	
	4,4'-DDE	19.46	11.7	30.5	ug/kg	97				56	134	
	Endrin	19.46	0	16.9	ug/kg	87				57	140	
	Endosulfan II	19.46	0	21.8	ug/kg	112				53	134	
	4,4'-DDD	19.46	0	16.3	ug/kg	84				56	139	
	Endosulfan sulfate	19.46	0	20.3	ug/kg	104				55	136	
	4,4'-DDT	19.46	7.3	23.7	ug/kg	84				50	141	
	Methoxychlor	19.46	0	14.6	ug/kg	75				52	143	
	Endrin ketone	19.46	0	16.5	ug/kg	85				55	136	
	Endrin aldehyde	19.46	0	21.1	ug/kg	108				35	137	
	alpha-Chlordane	19.46	390	384	ug/kg	-31	*			54	133	
	gamma-Chlordane	19.46	328	327	ug/kg	-5	*			53	135	
Lab Sample ID:	Q2819-14MS	Client Sample ID:		17M-WMS								
	(Column 2)											
	alpha-BHC	19.46	0	22.8	ug/kg	117				45	137	
	beta-BHC	19.46	0	22.8	ug/kg	117				50	136	
	delta-BHC	19.46	0	23.3	ug/kg	120				47	139	
	gamma-BHC (Lindane)	19.46	0	22.9	ug/kg	118				49	135	
	Heptachlor	19.46	0	22.0	ug/kg	113				47	136	
	Aldrin	19.46	0	25.9	ug/kg	133				45	136	
	Heptachlor epoxide	19.46	0	31.4	ug/kg	161	*			52	136	
	Endosulfan I	19.46	0	23.7	ug/kg	122				53	132	
	Dieldrin	19.46	0	24.7	ug/kg	127				56	136	
	4,4'-DDE	19.46	6.2	26.2	ug/kg	103				56	134	
	Endrin	19.46	0	34.4	ug/kg	177	*			57	140	
	Endosulfan II	19.46	0	100	ug/kg	514	*			53	134	
	4,4'-DDD	19.46	0	15.6	ug/kg	80				56	139	
	Endosulfan sulfate	19.46	0	21.3	ug/kg	109				55	136	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2818</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PD089894.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	Qual	RPD	Qual	Low	Limits	
		Result	Result								High	RPD
4,4'-DDT	19.46	12.1	32.2	ug/kg	103					50	141	
Methoxychlor	19.46	0	19.2	ug/kg	99					52	143	
Endrin ketone	19.46	0	21.0	ug/kg	108					55	136	
Endrin aldehyde	19.46	0	22.9	ug/kg	118					35	137	
alpha-Chlordane	19.46	233	230	ug/kg	-15	*				54	133	
gamma-Chlordane	19.46	194	197	ug/kg	15	*				53	135	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2818</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PD089895.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits	
			Result				Qual	RPD	Qual		High	RPD
Lab Sample ID:	Q2819-14MSD (Column 1)	Client Sample ID:		17M-WMSD								
	alpha-BHC	19.44	0	19.9	ug/kg	102		1		45	137	20
	beta-BHC	19.44	0	19.0	ug/kg	98		0		50	136	20
	delta-BHC	19.44	0	19.5	ug/kg	100		1		47	139	20
	gamma-BHC (Lindane)	19.44	0	19.2	ug/kg	99		0		49	135	20
	Heptachlor	19.44	0	19.9	ug/kg	102		3		47	136	20
	Aldrin	19.44	0	24.7	ug/kg	127		50	*	45	136	20
	Heptachlor epoxide	19.44	0	28.8	ug/kg	148	*	8		52	136	20
	Endosulfan I	19.44	0	19.1	ug/kg	98		1		53	132	20
	Dieldrin	19.44	0	20.3	ug/kg	104		0		56	136	20
	4,4'-DDE	19.44	11.7	30.1	ug/kg	95		2		56	134	20
	Endrin	19.44	0	15.3	ug/kg	79		10		57	140	20
	Endosulfan II	19.44	0	21.7	ug/kg	112		0		53	134	20
	4,4'-DDD	19.44	0	16.8	ug/kg	86		2		56	139	20
	Endosulfan sulfate	19.44	0	20.4	ug/kg	105		1		55	136	20
	4,4'-DDT	19.44	7.3	24.7	ug/kg	90		7		50	141	20
	Methoxychlor	19.44	0	17.3	ug/kg	89		17		52	143	20
	Endrin ketone	19.44	0	17.0	ug/kg	87		2		55	136	20
	Endrin aldehyde	19.44	0	22.2	ug/kg	114		5		35	137	20
	alpha-Chlordane	19.44	390	383	ug/kg	-36	*	15		54	133	20
	gamma-Chlordane	19.44	328	325	ug/kg	-15	*	100	*	53	135	20
Lab Sample ID:	Q2819-14MSD (Column 2)	Client Sample ID:		17M-WMSD								
	alpha-BHC	19.44	0	22.7	ug/kg	117		0		45	137	20
	beta-BHC	19.44	0	22.8	ug/kg	117		0		50	136	20
	delta-BHC	19.44	0	23.5	ug/kg	121		1		47	139	20
	gamma-BHC (Lindane)	19.44	0	23.0	ug/kg	118		0		49	135	20
	Heptachlor	19.44	0	22.9	ug/kg	118		4		47	136	20
	Aldrin	19.44	0	25.7	ug/kg	132		1		45	136	20
	Heptachlor epoxide	19.44	0	31.2	ug/kg	160	*	1		52	136	20
	Endosulfan I	19.44	0	16.0	ug/kg	82		39	*	53	132	20
	Dieldrin	19.44	0	24.7	ug/kg	127		0		56	136	20
	4,4'-DDE	19.44	6.2	25.7	ug/kg	100		3		56	134	20
	Endrin	19.44	0	34.3	ug/kg	176	*	1		57	140	20
	Endosulfan II	19.44	0	101	ug/kg	520	*	1		53	134	20
	4,4'-DDD	19.44	0	24.0	ug/kg	123		42	*	56	139	20
	Endosulfan sulfate	19.44	0	21.8	ug/kg	112		3		55	136	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2818</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PD089895.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Low	Limits	
		Result	Result			Qual	RPD	Qual	RPD		High	RPD
4,4'-DDT	19.44	12.1	33.3	ug/kg	109		6			50	141	20
Methoxychlor	19.44	0	20.5	ug/kg	105		6			52	143	20
Endrin ketone	19.44	0	21.6	ug/kg	111		3			55	136	20
Endrin aldehyde	19.44	0	23.7	ug/kg	122		3			35	137	20
alpha-Chlordane	19.44	233	231	ug/kg	-10	*	40	*		54	133	20
gamma-Chlordane	19.44	194	195	ug/kg	5	*	100	*		53	135	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2818	Analytical Method:	8081B
Client:	Earth Engineering Inc.	Datafile :	PD089866.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169206BS (Column 1)	alpha-BHC	16.65	15.8	ug/kg	95				84	123	
	beta-BHC	16.65	15.6	ug/kg	94				82	123	
	delta-BHC	16.65	16.1	ug/kg	97				83	126	
	gamma-BHC (Lindane)	16.65	15.7	ug/kg	94				83	125	
	Heptachlor	16.65	14.7	ug/kg	88				83	122	
	Aldrin	16.65	15.7	ug/kg	94				82	124	
	Heptachlor epoxide	16.65	15.4	ug/kg	92				83	120	
	Endosulfan I	16.65	15.4	ug/kg	92				81	124	
	Dieldrin	16.65	15.3	ug/kg	92				85	121	
	4,4'-DDE	16.65	15.5	ug/kg	93				81	123	
	Endrin	16.65	13.5	ug/kg	81				76	130	
	Endosulfan II	16.65	15.0	ug/kg	90				80	125	
	4,4'-DDD	16.65	16.1	ug/kg	97				80	131	
	Endosulfan sulfate	16.65	14.8	ug/kg	89				81	122	
	4,4'-DDT	16.65	13.0	ug/kg	78				70	129	
	Methoxychlor	16.65	12.5	ug/kg	75				60	119	
	Endrin ketone	16.65	15.3	ug/kg	92				77	132	
	Endrin aldehyde	16.65	16.4	ug/kg	98				79	124	
	alpha-Chlordane	16.65	15.4	ug/kg	92				84	120	
	gamma-Chlordane	16.65	15.5	ug/kg	93				83	122	
PB169206BS (Column 2)	alpha-BHC	16.65	18.7	ug/kg	112				84	123	
	beta-BHC	16.65	18.7	ug/kg	112				82	123	
	delta-BHC	16.65	18.9	ug/kg	114				83	126	
	gamma-BHC (Lindane)	16.65	18.7	ug/kg	112				83	125	
	Heptachlor	16.65	17.7	ug/kg	106				83	122	
	Aldrin	16.65	18.8	ug/kg	113				82	124	
	Heptachlor epoxide	16.65	18.6	ug/kg	112				83	120	
	Endosulfan I	16.65	18.7	ug/kg	112				81	124	
	Dieldrin	16.65	18.8	ug/kg	113				85	121	
	4,4'-DDE	16.65	18.9	ug/kg	114				81	123	
	Endrin	16.65	16.7	ug/kg	100				76	130	
	Endosulfan II	16.65	18.8	ug/kg	113				80	125	
	4,4'-DDD	16.65	20.1	ug/kg	121				80	131	
	Endosulfan sulfate	16.65	18.3	ug/kg	110				81	122	
	4,4'-DDT	16.65	16.9	ug/kg	102				70	129	
	Methoxychlor	16.65	16.2	ug/kg	97				60	119	
	Endrin ketone	16.65	19.5	ug/kg	117				77	132	
	Endrin aldehyde	16.65	20.3	ug/kg	122				79	124	
	alpha-Chlordane	16.65	18.9	ug/kg	114				84	120	
	gamma-Chlordane	16.65	18.9	ug/kg	114				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169206BL

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Lab Sample ID: PB169206BL

Lab File ID: PD089865.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 08/12/2025

Date Analyzed (1): 08/12/2025

Date Analyzed (2): 08/12/2025

Time Analyzed (1): 16:33

Time Analyzed (2): 16:33

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
PB169206BS	PB169206BS	PD089866.D	08/12/2025	08/12/2025
B-2-5-1	Q2818-01	PD089867.D	08/12/2025	08/12/2025
B-3-5-2	Q2818-02	PD089868.D	08/12/2025	08/12/2025
17M-WMS	Q2819-14MS	PD089894.D	08/14/2025	08/14/2025
17M-WMSD	Q2819-14MSD	PD089895.D	08/14/2025	08/14/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.5 Decanted:
Sample Wt/Vol:	30.07 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
PD089867.D	1	08/12/25 08:16	08/12/25 17:00	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	1.40	JP	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.43	JP	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.38	J	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.23	J	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.7		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		19 - 148	84%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.5 Decanted:
Sample Wt/Vol:	30.07 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
PD089867.D	1	08/12/25 08:16	08/12/25 17:00	PB169206

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\PD081325\
 Data File : PD089867.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Aug 2025 17:00
 Operator : AR\AJ
 Sample : Q2818-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 B-2-5-1

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/13/2025
 Supervised By : mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 13 02:13:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	34960887	265.7E6	14.174	16.779m
28)	SA Decachlor...	9.068	8.064	47211610	355.9E6	12.704	17.725 #
Target Compounds							
10)	B gamma-Chl...	5.941	5.119	2553393	10101683	0.611	0.467m
11)	B alpha-Chl...	6.026	5.184	3409569	20952622	0.811	1.006m
12)	B 4,4'-DDE	6.192	5.370	8400995	77381831	2.252	3.661 #
16)	A 4,4'-DDD	6.706	5.924	3389352	11431944	1.132	0.648 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089867.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:00
Operator : AR\AJ
Sample : Q2818-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

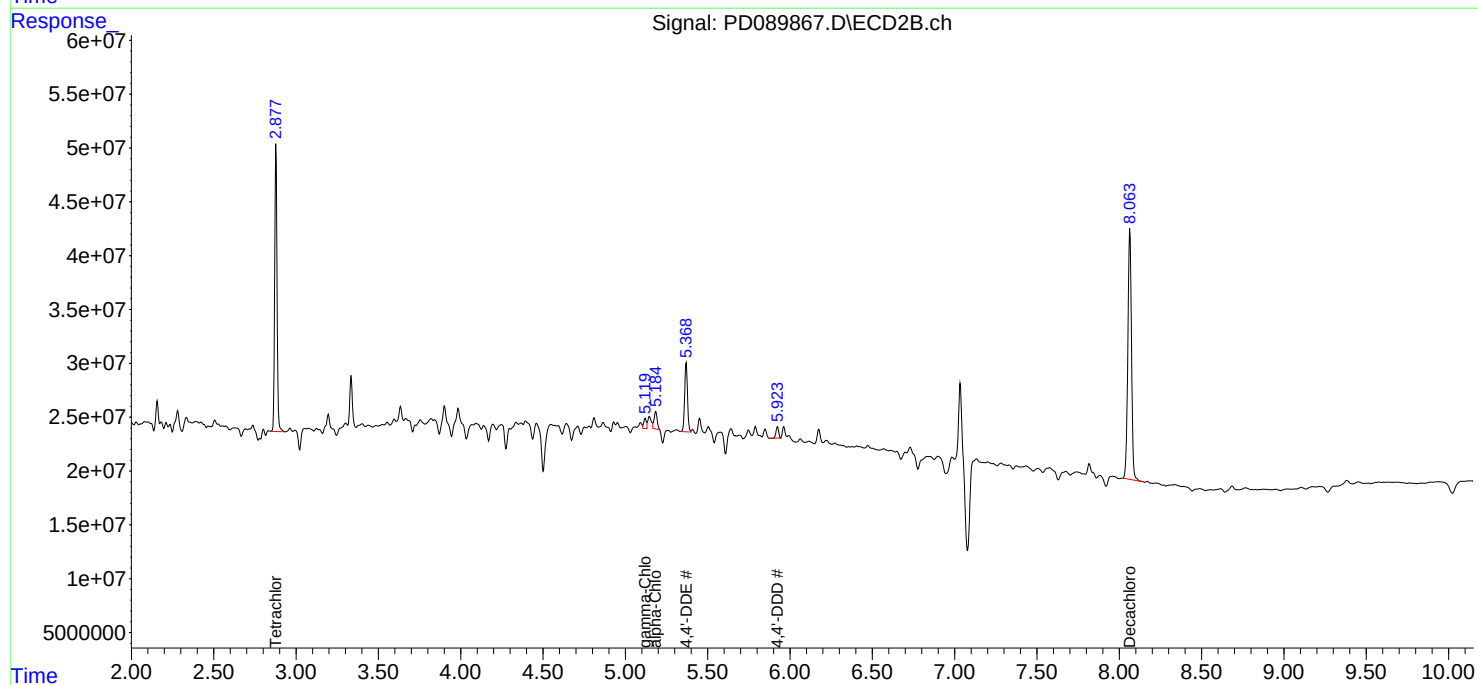
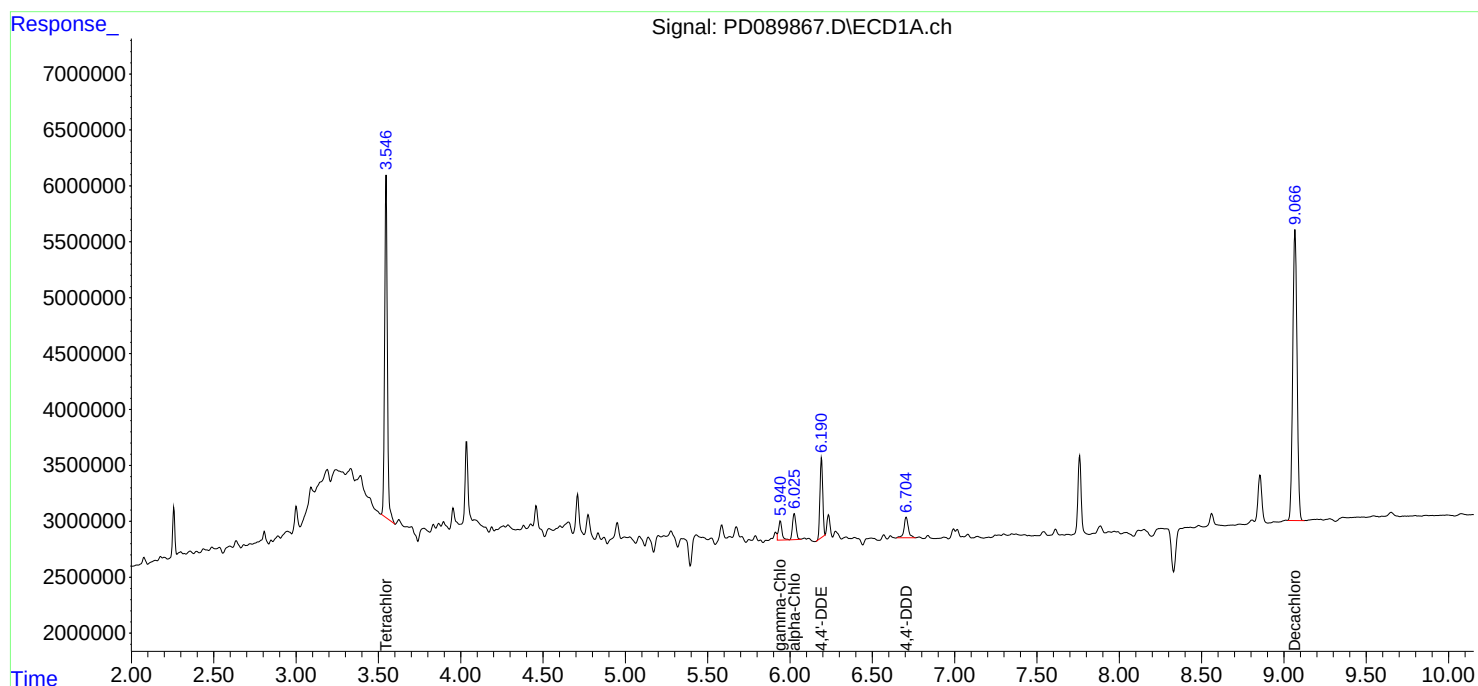
Instrument :
ECD_D
ClientSampleId :
B-2-5-1

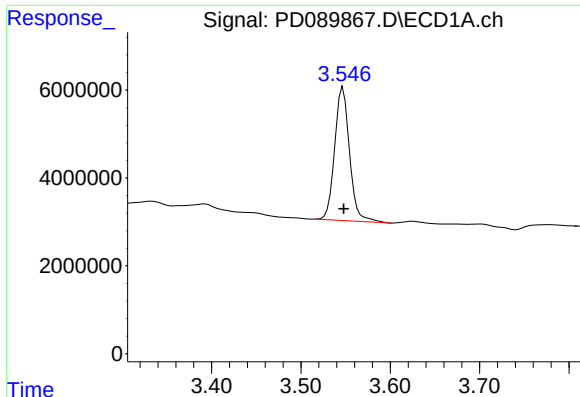
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/13/2025
Supervised By : mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





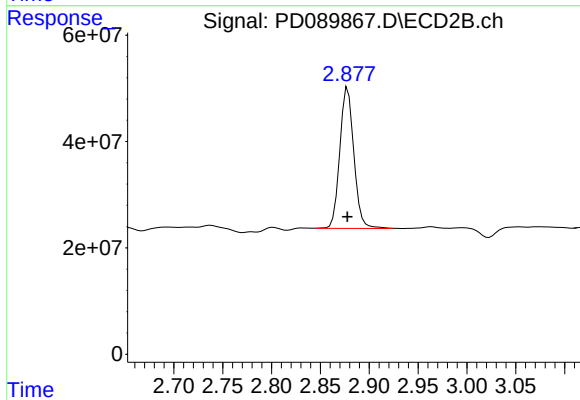
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
 Delta R.T.: 0.000 min
 Response: 34960887
 Conc: 14.17 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 B-2-5-1

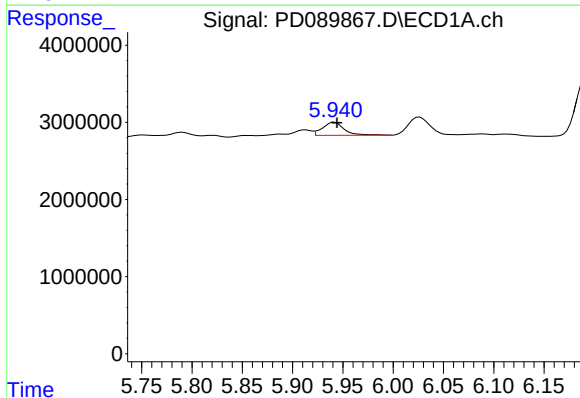
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/13/2025
 Supervised By :mohammad ahmed 08/14/2025



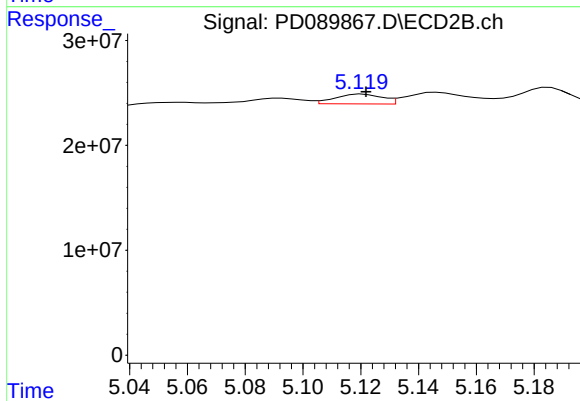
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
 Delta R.T.: 0.000 min
 Response: 265738866
 Conc: 16.78 ng/ml m



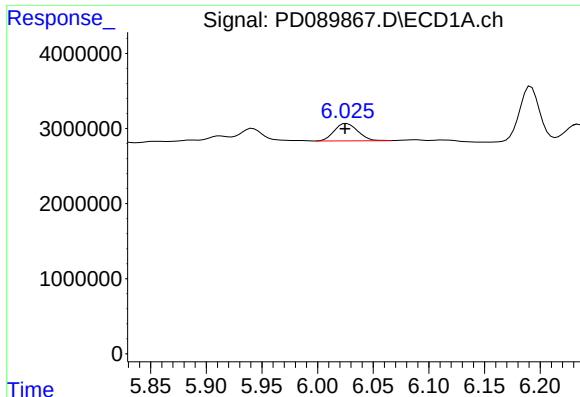
#10 gamma-Chlordane

R.T.: 5.941 min
 Delta R.T.: -0.003 min
 Response: 2553393
 Conc: 0.61 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
 Delta R.T.: -0.003 min
 Response: 10101683
 Conc: 0.47 ng/ml m



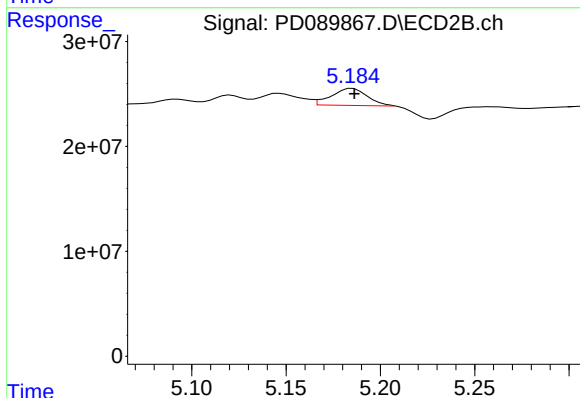
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.001 min
Response: 3409569
Conc: 0.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

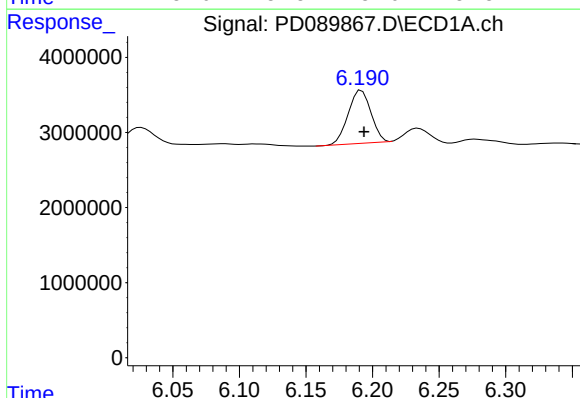
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



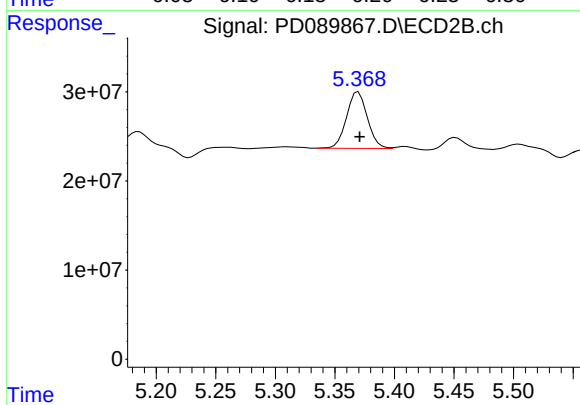
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 20952622
Conc: 1.01 ng/ml m



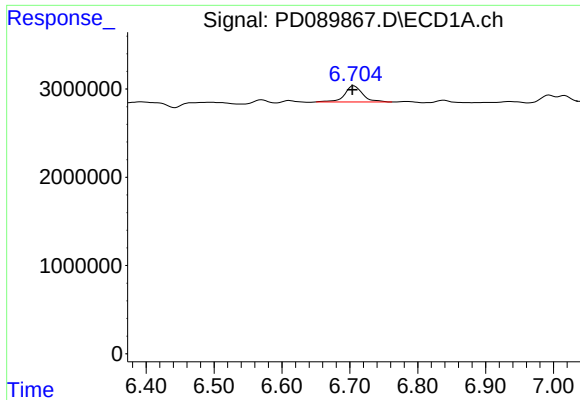
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 8400995
Conc: 2.25 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.001 min
Response: 77381831
Conc: 3.66 ng/ml



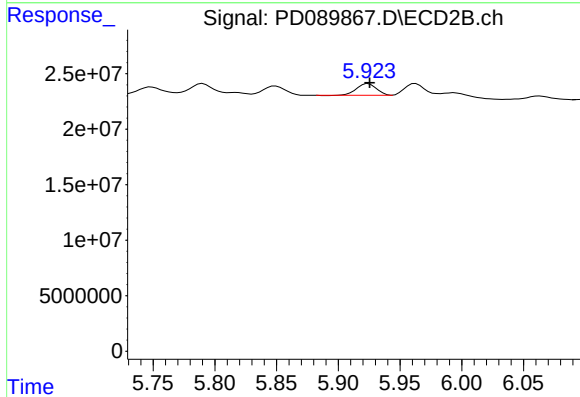
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.002 min
Response: 3389352
Conc: 1.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

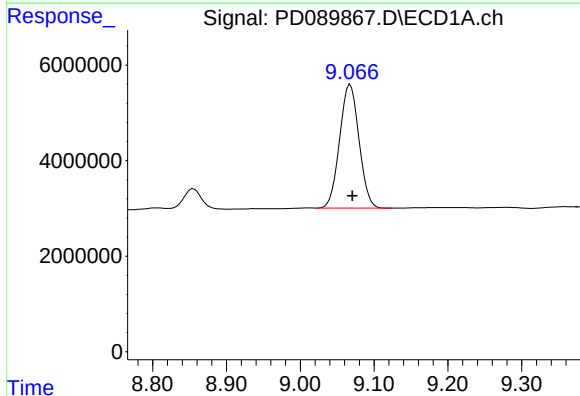
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



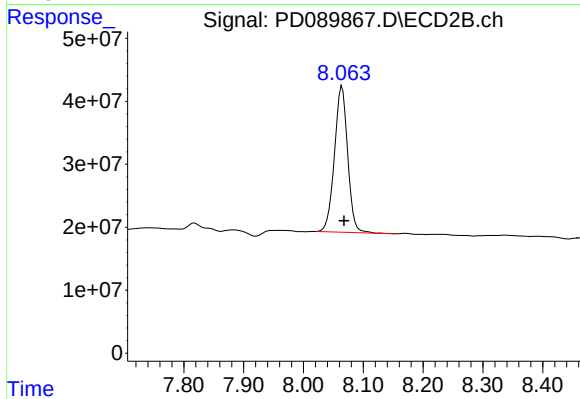
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 11431944
Conc: 0.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 47211610
Conc: 12.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.003 min
Response: 355885412
Conc: 17.73 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.1 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
PD089868.D	1	08/12/25 08:16	08/12/25 17:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	4.60	P	0.16	1.90	ug/kg
72-55-9	4,4-DDE	1.60	JP	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	14.8	P	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.84	JP	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		20 - 144	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		19 - 148	96%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.1
Sample Wt/Vol:	30.03	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
PD089868.D	1	08/12/25 08:16	08/12/25 17:14	PB169206

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\PD081325\
 Data File : PD089868.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Aug 2025 17:14
 Operator : AR\AJ
 Sample : Q2818-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 B-3-5-2

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/13/2025
 Supervised By : mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 13 02:13:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.877	45045447	305.5E6	18.262m	19.287m
28)	SA Decachlor...	9.067	8.064	53752618	334.1E6	14.464m	16.642m
Target Compounds							
11)	B alpha-Chl...	6.026	5.186	5334736	46611469	1.269m	2.239m#
12)	B 4,4'-DDE	6.189	5.367	9209407	88097582	2.469m	4.168m#
13)	MA Dieldrin	6.342	5.506	15931222	263.5E6	3.772m	12.179m#
20)	A Methoxychlor	7.485	6.745	10352706	388.2E6	5.790m	39.625m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:14
Operator : AR\AJ
Sample : Q2818-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

B-3-5-2

Manual Integrations

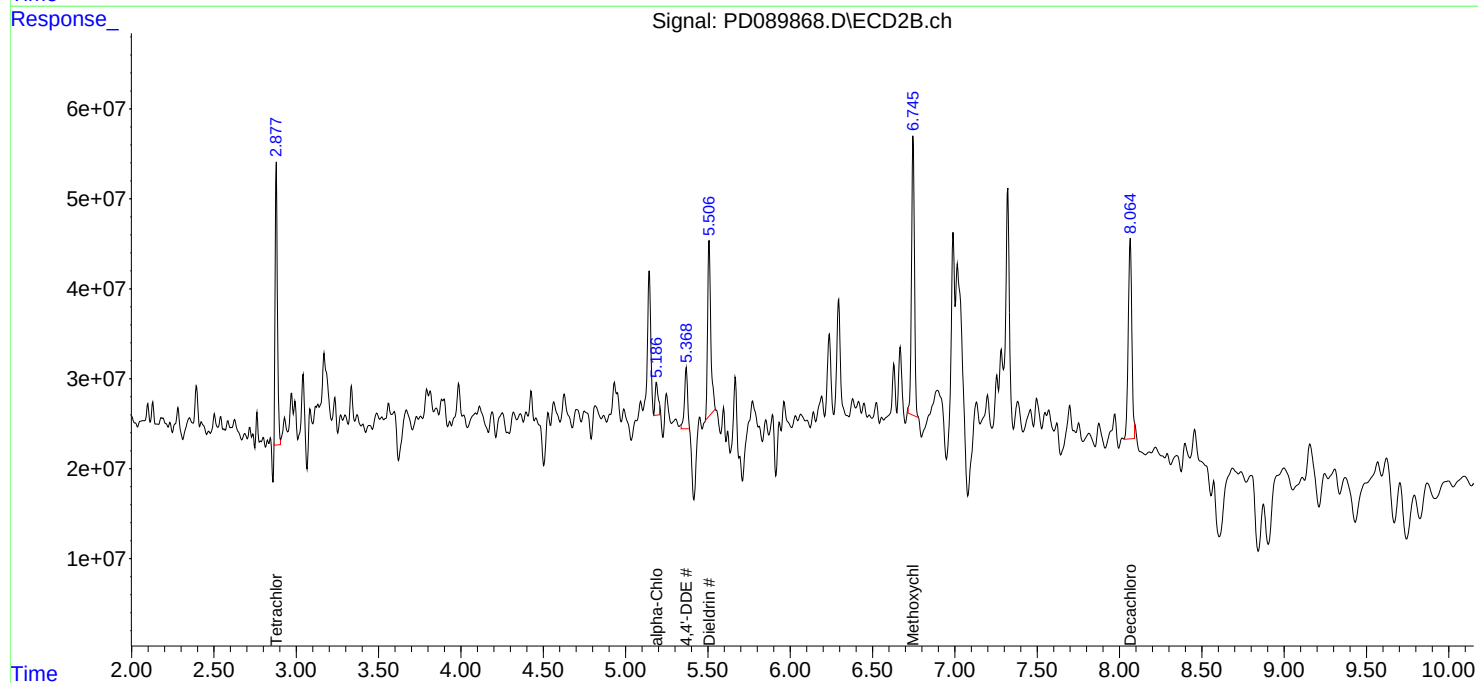
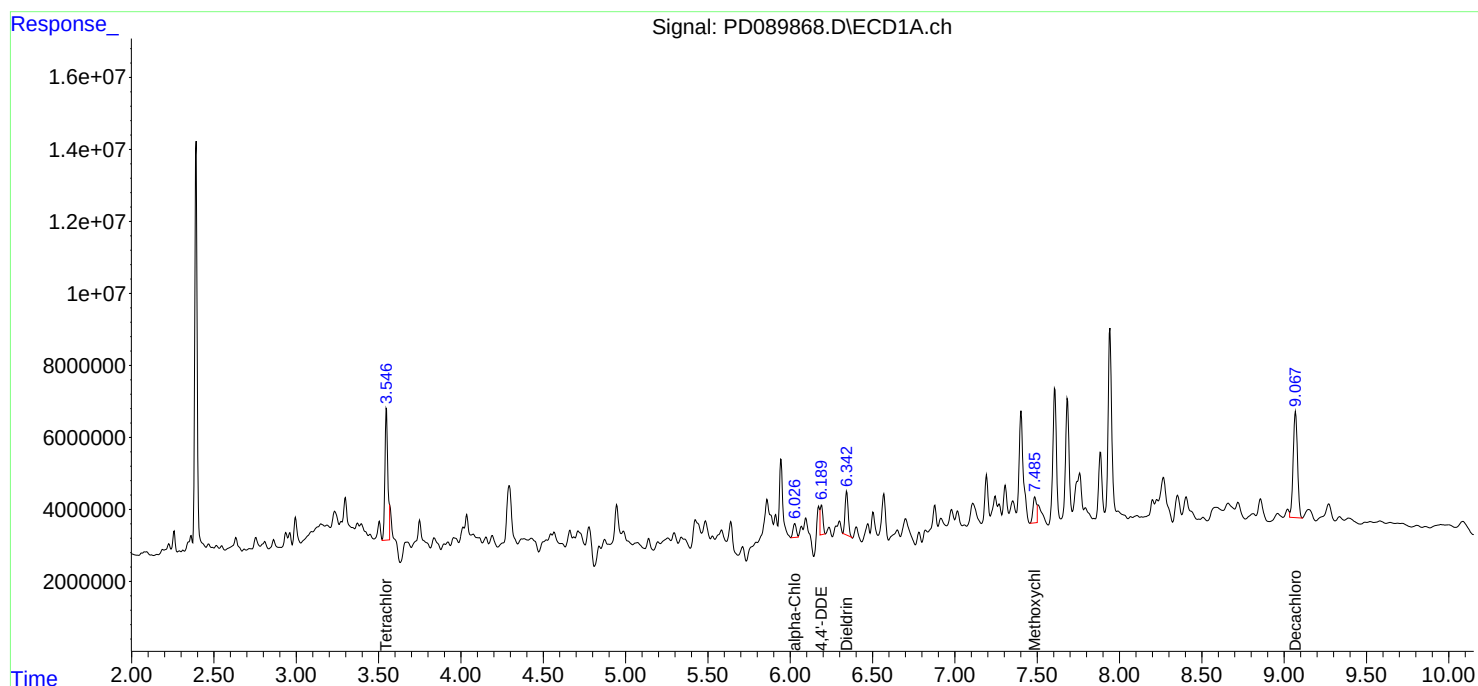
APPROVED

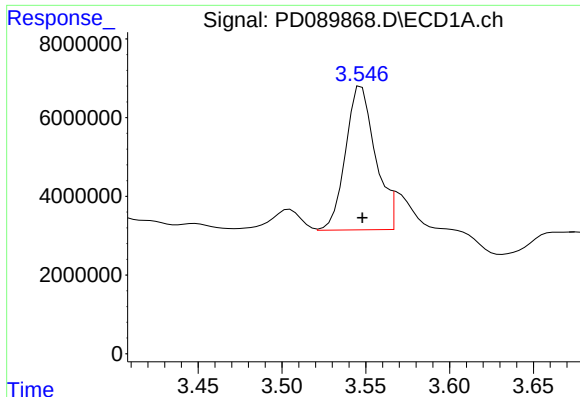
Reviewed By :Abdul Mirza 08/13/2025

Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





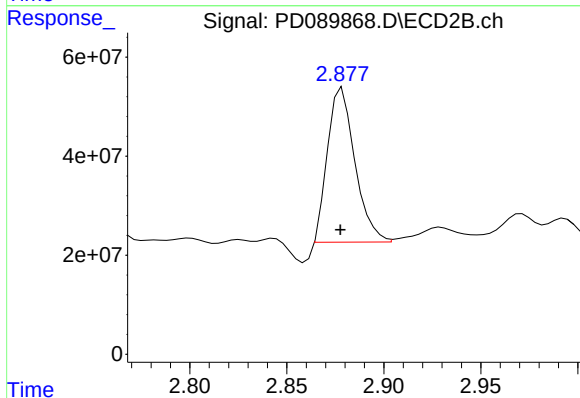
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: -0.002 min
Response: 45045447
Conc: 18.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

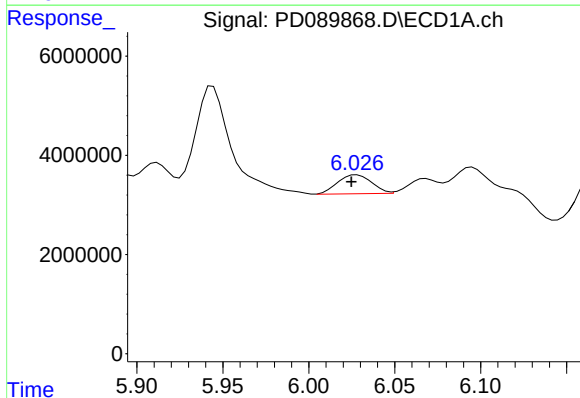
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



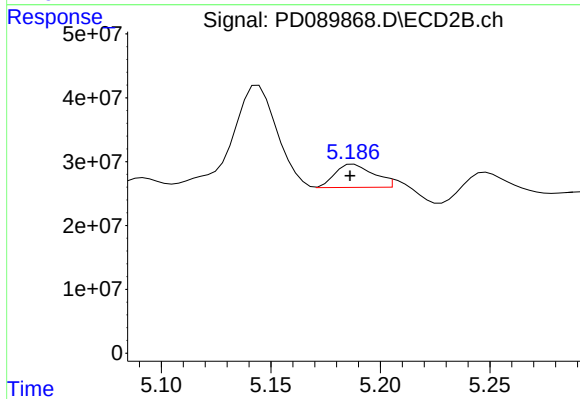
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 305467264
Conc: 19.29 ng/ml m



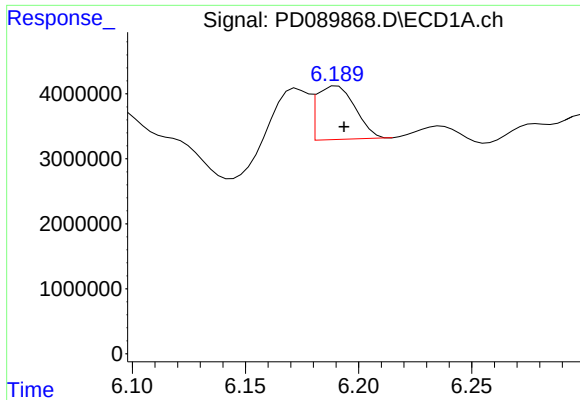
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 5334736
Conc: 1.27 ng/ml m



#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 46611469
Conc: 2.24 ng/ml m



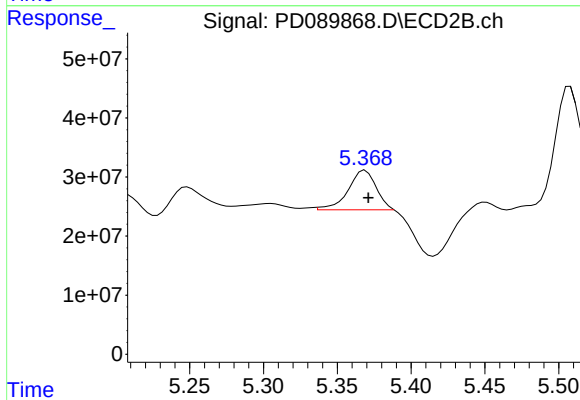
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 9209407
Conc: 2.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

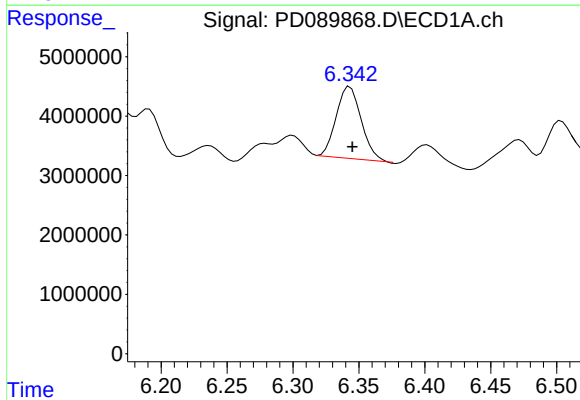
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



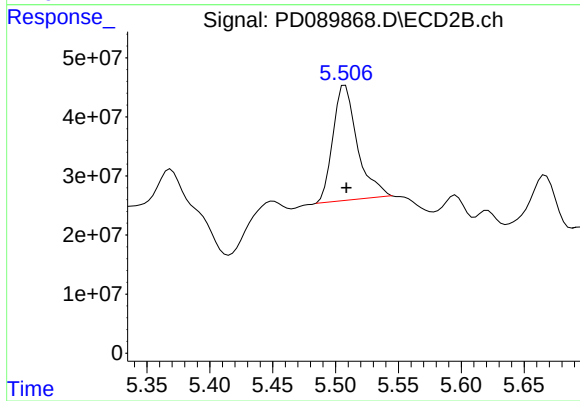
#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.003 min
Response: 88097582
Conc: 4.17 ng/ml m



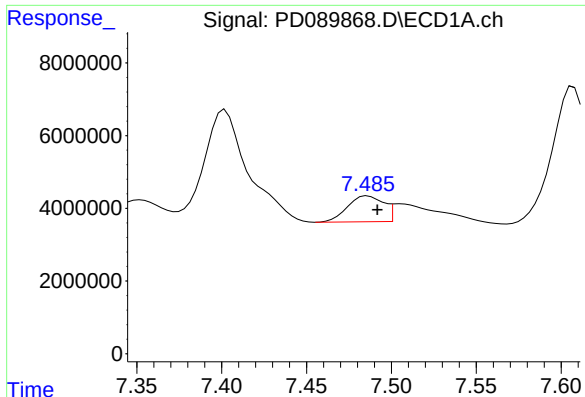
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.003 min
Response: 15931222
Conc: 3.77 ng/ml m



#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: -0.002 min
Response: 263540293
Conc: 12.18 ng/ml m



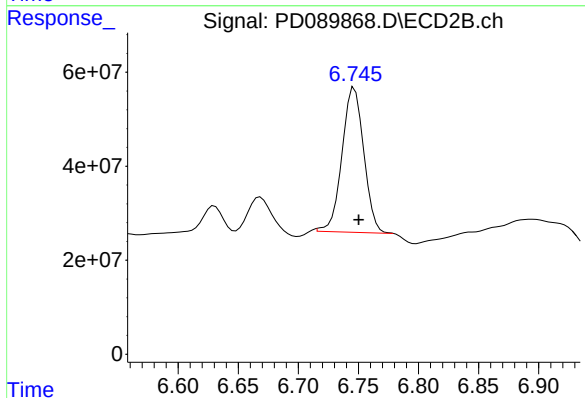
#20 Methoxychlor

R.T.: 7.485 min
Delta R.T.: -0.007 min
Response: 10352706
Conc: 5.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

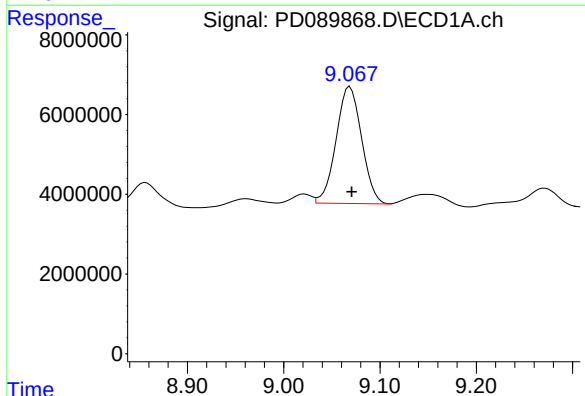
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



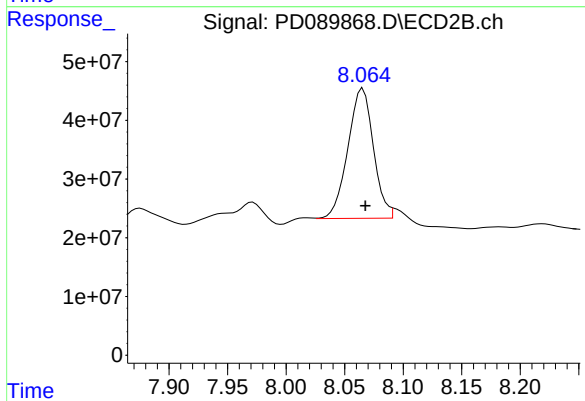
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.005 min
Response: 388151041
Conc: 39.63 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.003 min
Response: 53752618
Conc: 14.46 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 334136443
Conc: 16.64 ng/ml m



CALIBRATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>EARTH03</u>	
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2818</u>	
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>07/31/2025</u>	<u>07/31/2025</u>
		Calibration Times:	<u>11:47</u>	<u>12:41</u>

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

[illegible]

Calibration Times: 11:47 12:41

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

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: EARTH03
SDG NO.: Q2818

Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID:		CF 100 =	<u>PD089688.D</u>	CF 075 =	<u>PD089689.D</u>		
CF 050 =		<u>PD089690.D</u>	CF 025 =	<u>PD089691.D</u>	CF 005 =	<u>PD089692.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3170910000	3047700000	2999940000	2847680000	2907880000	2994820000	4
4,4'-DDE	4003810000	3817790000	3749630000	3527790000	3549710000	3729750000	5
4,4'-DDT	3548070000	3416270000	3370890000	3205660000	3260320000	3360240000	4
Aldrin	4875360000	4656550000	4601860000	4327300000	4363460000	4564910000	5
alpha-BHC	5474360000	5189440000	5067890000	4637560000	4398360000	4953520000	9
alpha-Chlordane	4334230000	4190130000	4177460000	4048840000	4270160000	4204170000	3
beta-BHC	1835380000	1791880000	1823800000	1806620000	1965690000	1844680000	4
Decachlorobiphenyl	3483240000	3499950000	3619460000	3726220000	4252410000	3716260000	8
delta-BHC	5033280000	4775690000	4676790000	4294740000	4150530000	4586210000	8
Dieldrin	4482180000	4304270000	4237810000	4013690000	4079190000	4223430000	4
Endosulfan I	4087920000	3943210000	3940200000	3816940000	4029810000	3963620000	3
Endosulfan II	3707220000	3614470000	3602460000	3542670000	3880100000	3669380000	4
Endosulfan sulfate	3520460000	3426970000	3432480000	3357090000	3613300000	3470060000	3
Endrin	3787000000	3635450000	3585320000	3393750000	3487070000	3577720000	4
Endrin aldehyde	2531030000	2443470000	2469250000	2435500000	2598600000	2495570000	3
Endrin ketone	3804270000	3699670000	3700720000	3603310000	3762780000	3714150000	2
gamma-BHC (Lindane)	5133650000	4854210000	4821480000	4482000000	4470410000	4752350000	6
gamma-Chlordane	4371930000	4219760000	4166830000	3997030000	4139860000	4179080000	3
Heptachlor	5124730000	4899870000	4838360000	4560780000	4633880000	4811520000	5
Heptachlor epoxide	4345440000	4178710000	4148850000	3977860000	4252730000	4180720000	3
Methoxychlor	1771080000	1750920000	1777320000	1770160000	1870390000	1787970000	3
Tetrachloro-m-xylene	2500060000	2427080000	2456600000	2403480000	2545710000	2466590000	2



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: EARTH03
SDG NO.: Q2818

Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID:		CF 100 =	<u>PD089688.D</u>	CF 075 =	<u>PD089689.D</u>		
CF 050 =		<u>PD089690.D</u>	CF 025 =	<u>PD089691.D</u>	CF 005 =	<u>PD089692.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17134400000	16787300000	17354900000	17662200000	19224300000	17632600000	5
4,4'-DDE	20430900000	20064600000	20732800000	21183800000	23273600000	21137100000	6
4,4'-DDT	18425400000	17982900000	18452700000	18412200000	18590200000	18372700000	1
Aldrin	21657100000	21218800000	21871300000	22261000000	24245900000	22250800000	5
alpha-BHC	23880800000	23336000000	23972800000	24105300000	26229700000	24304900000	5
alpha-Chlordane	20016900000	19678400000	20310700000	20811200000	23292700000	20822000000	7
beta-BHC	9157870000	9041540000	9401640000	9704320000	10939600000	9648990000	8
Decachlorobiphenyl	19095200000	18752300000	19614700000	20093800000	22833900000	20078000000	8
delta-BHC	22211000000	21751500000	22337600000	22561500000	24713800000	22715100000	5
Dieldrin	20963500000	20551400000	21238000000	21609600000	23832300000	21639000000	6
Endosulfan I	18710200000	18457000000	19095000000	19631700000	21847700000	19548300000	7
Endosulfan II	18071500000	17758300000	18395200000	18826200000	20946400000	18799500000	7
Endosulfan sulfate	17842800000	17514800000	18136900000	18586800000	20746700000	18565600000	7
Endrin	18955800000	18701800000	19397300000	19737400000	22833500000	19925200000	8
Endrin aldehyde	12528800000	12224400000	12712900000	13003800000	14132200000	12920400000	6
Endrin ketone	19364800000	19023500000	19740000000	20178700000	22033800000	20068200000	6
gamma-BHC (Lindane)	22053600000	21570700000	22138000000	22412100000	24446000000	22524100000	5
gamma-Chlordane	20939400000	20491100000	21182700000	21653700000	23999700000	21653300000	6
Heptachlor	22407100000	22028400000	22731800000	23177700000	25700800000	23209200000	6
Heptachlor epoxide	19711600000	19404700000	20096200000	20688400000	22848400000	20549800000	7
Methoxychlor	9410250000	9296740000	9702690000	9950740000	10617100000	9795500000	5
Tetrachloro-m-xylene	15162800000	14913400000	15457700000	15824900000	17830500000	15837800000	7



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2818
Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	34887000
		2	6.44	6.34	6.54	46683300
		3	7.15	7.05	7.25	91652600
		4	7.56	7.46	7.66	120732000
		5	7.93	7.83	8.03	68165800



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2818
Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.47	5.37	5.57	159990000
		2	5.64	5.54	5.74	108562000
		3	6.75	6.65	6.85	519577000
		4	7.19	7.09	7.29	361556000
		5	7.32	7.22	7.42	254114000

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

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC100

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

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

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

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

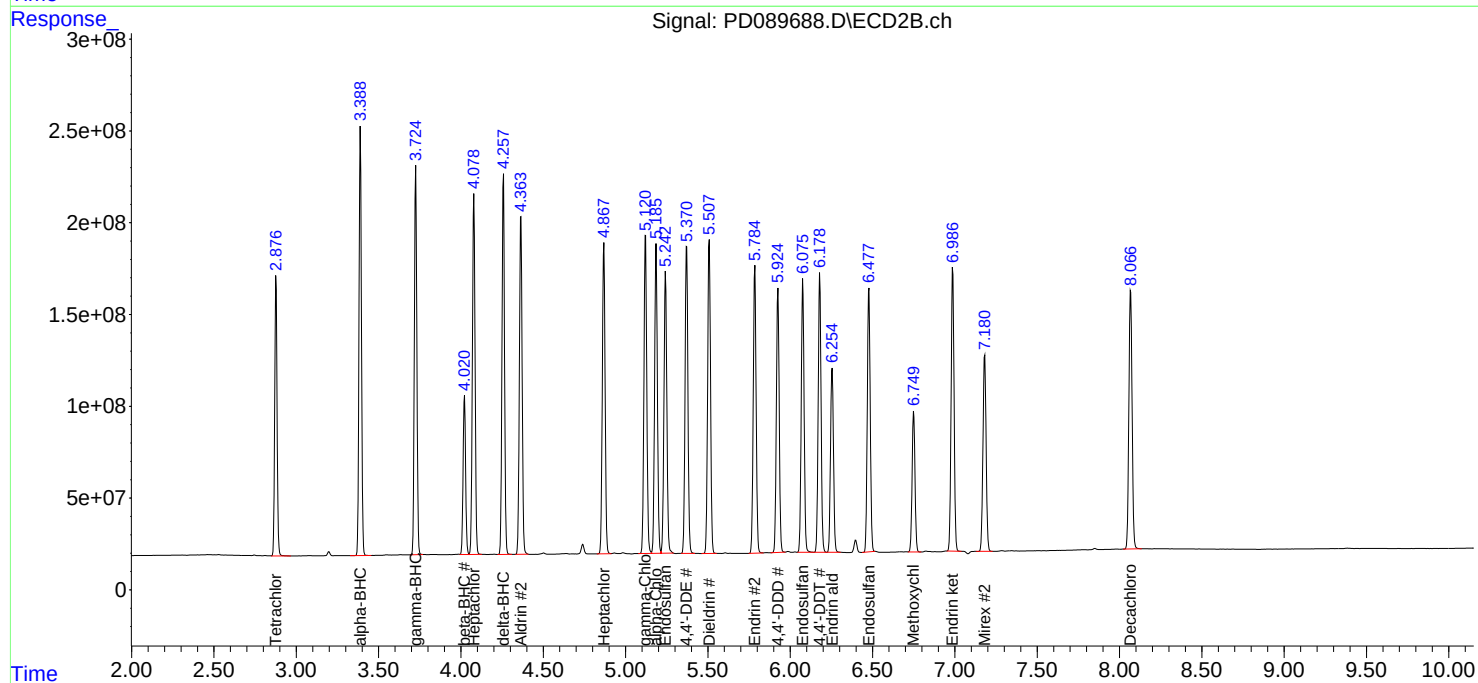
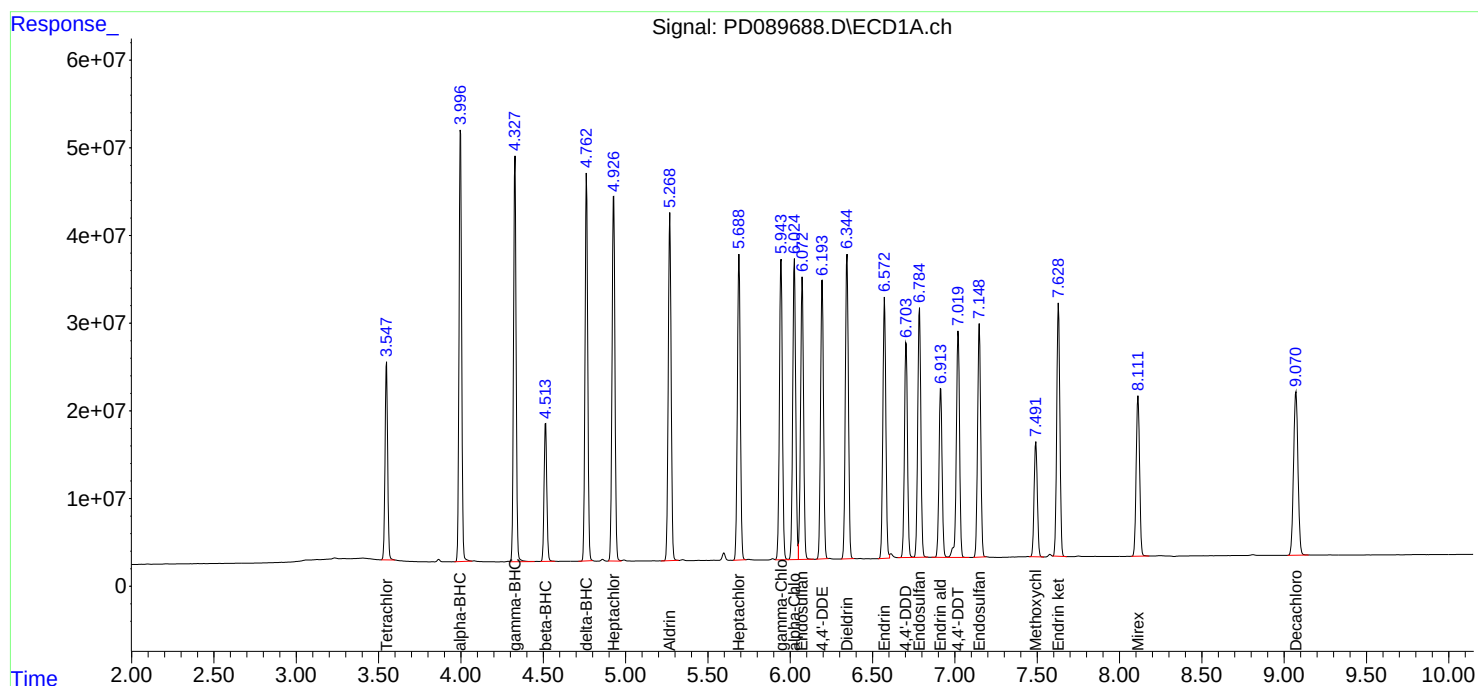
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

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

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



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

Instrument :

ECD_D

Client Sample Id :

PSTDICC075

Manual Integrations

APPROVED

Reviewed By : Abdul Mirza 08/01/2025

Supervised By : mohammad ahmed 08/01/2025

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

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

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

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

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

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

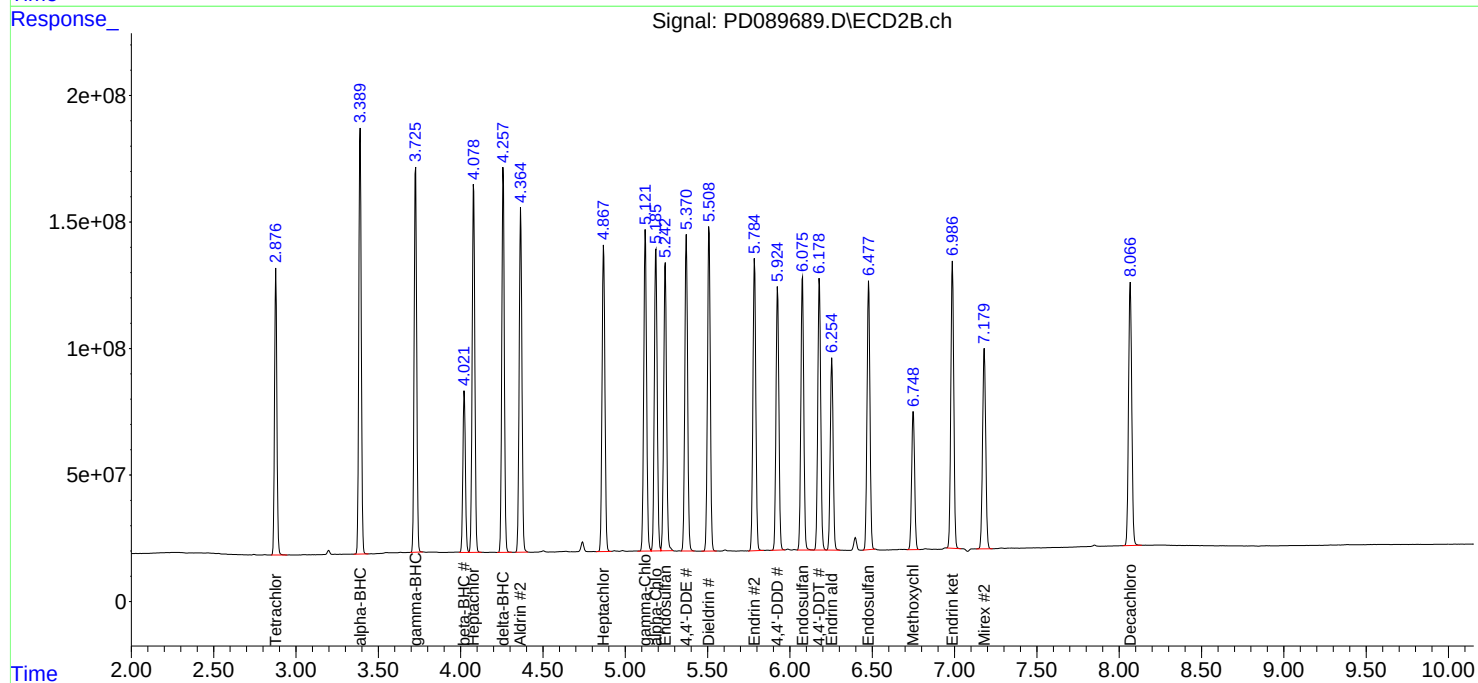
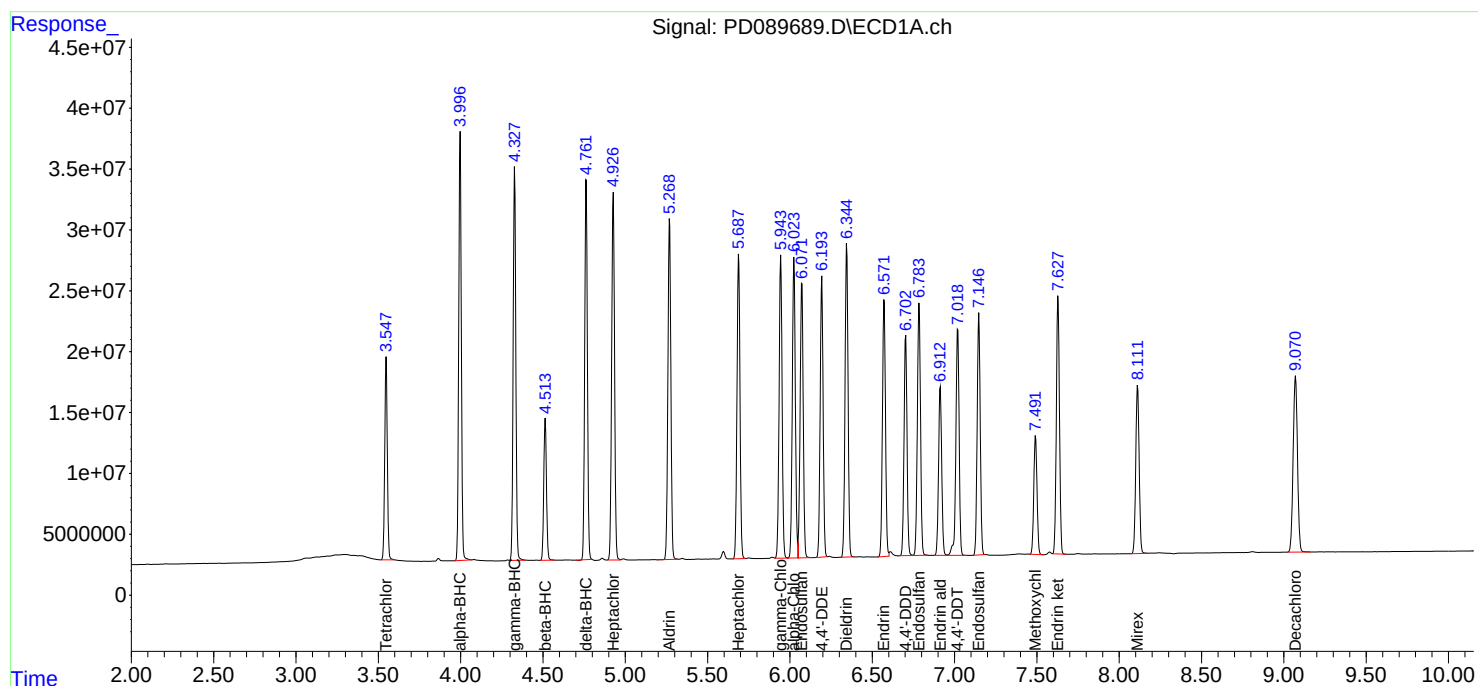
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Manual Integrations APPROVED

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

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

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



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

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC050

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

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

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

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

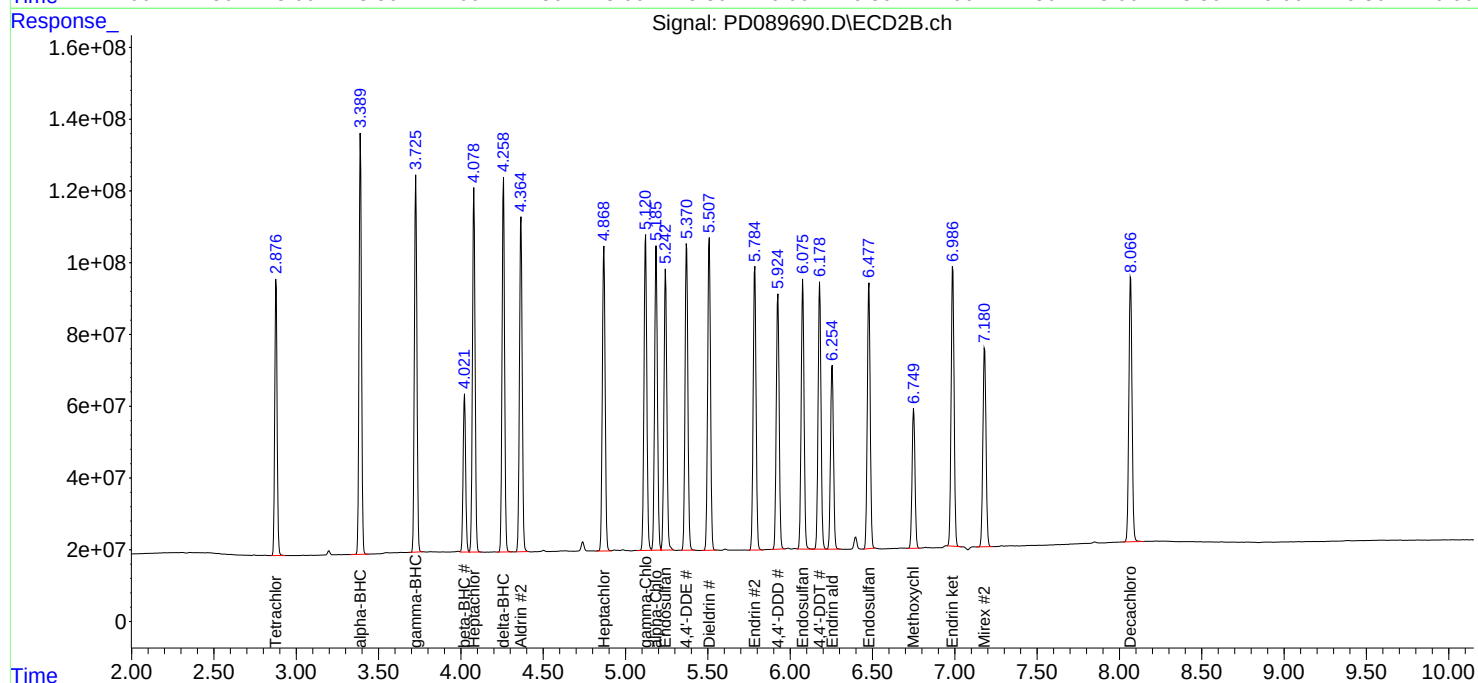
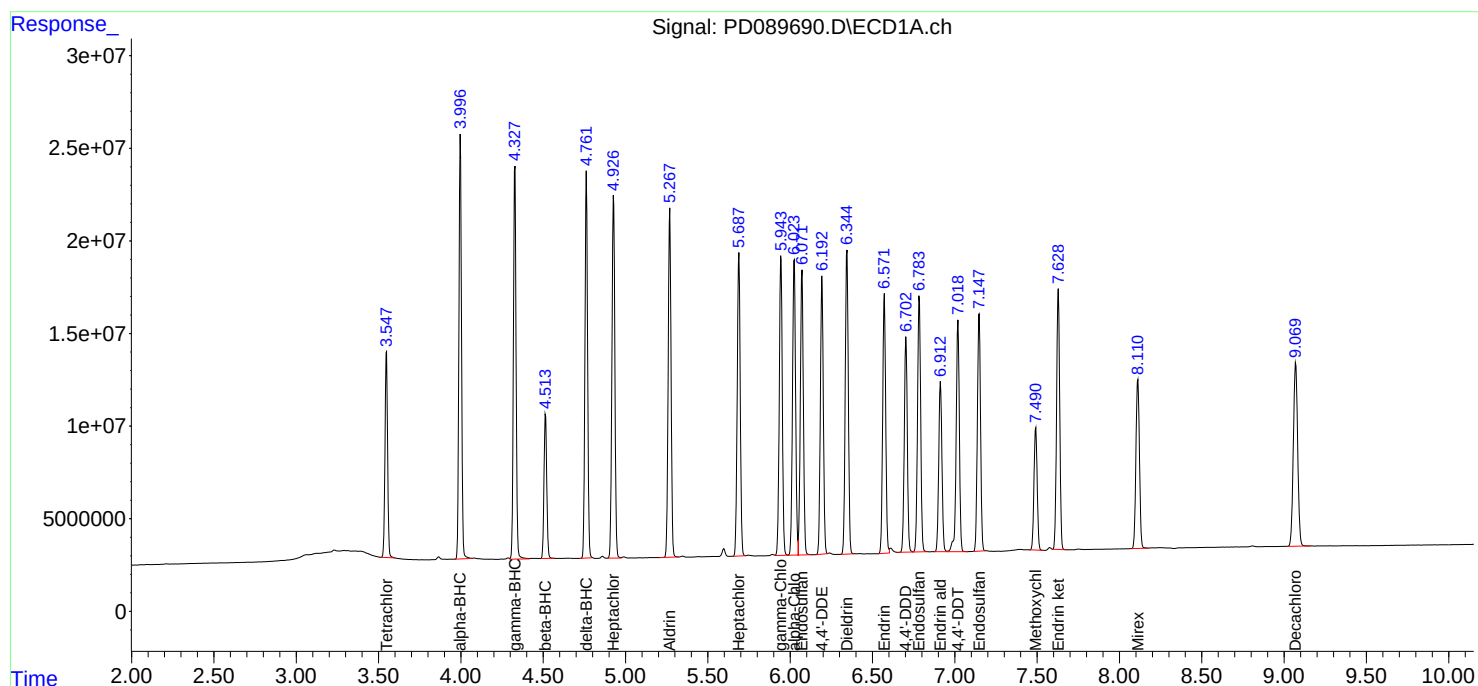
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

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

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



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

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

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

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

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

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

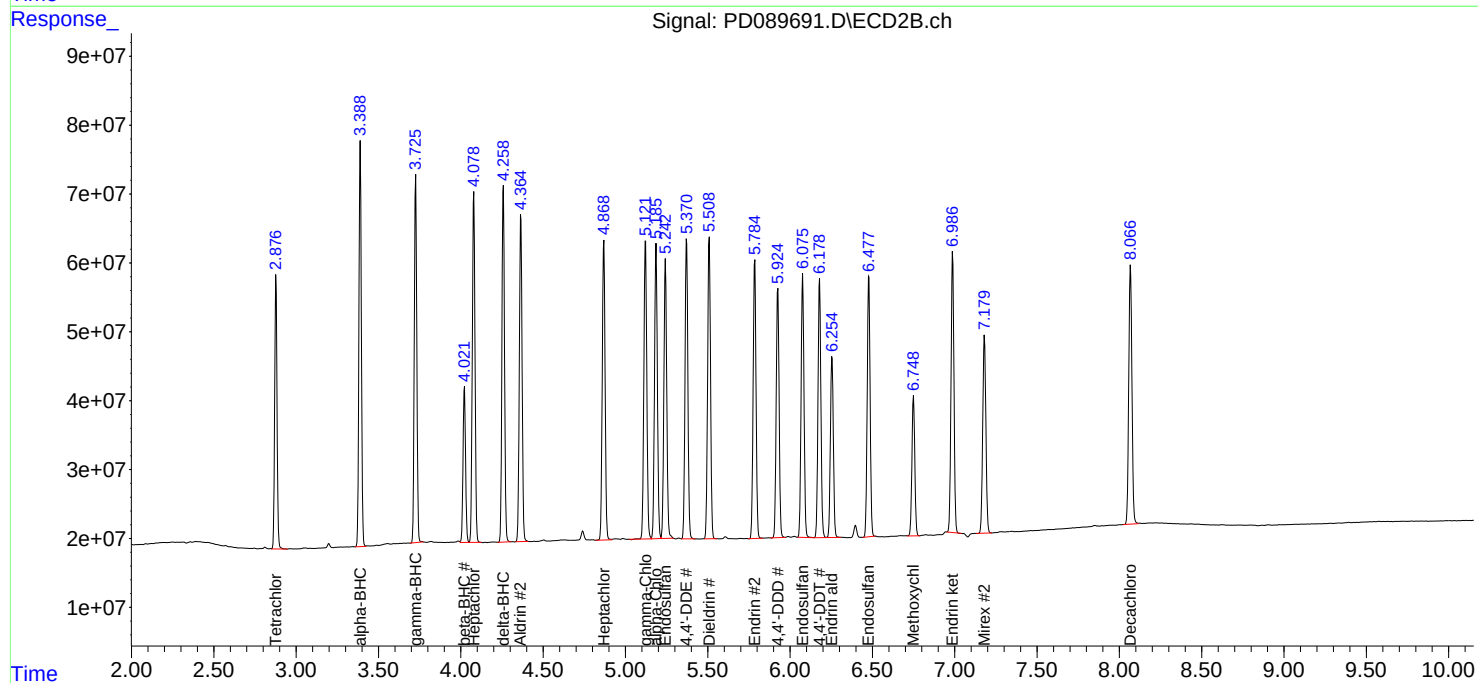
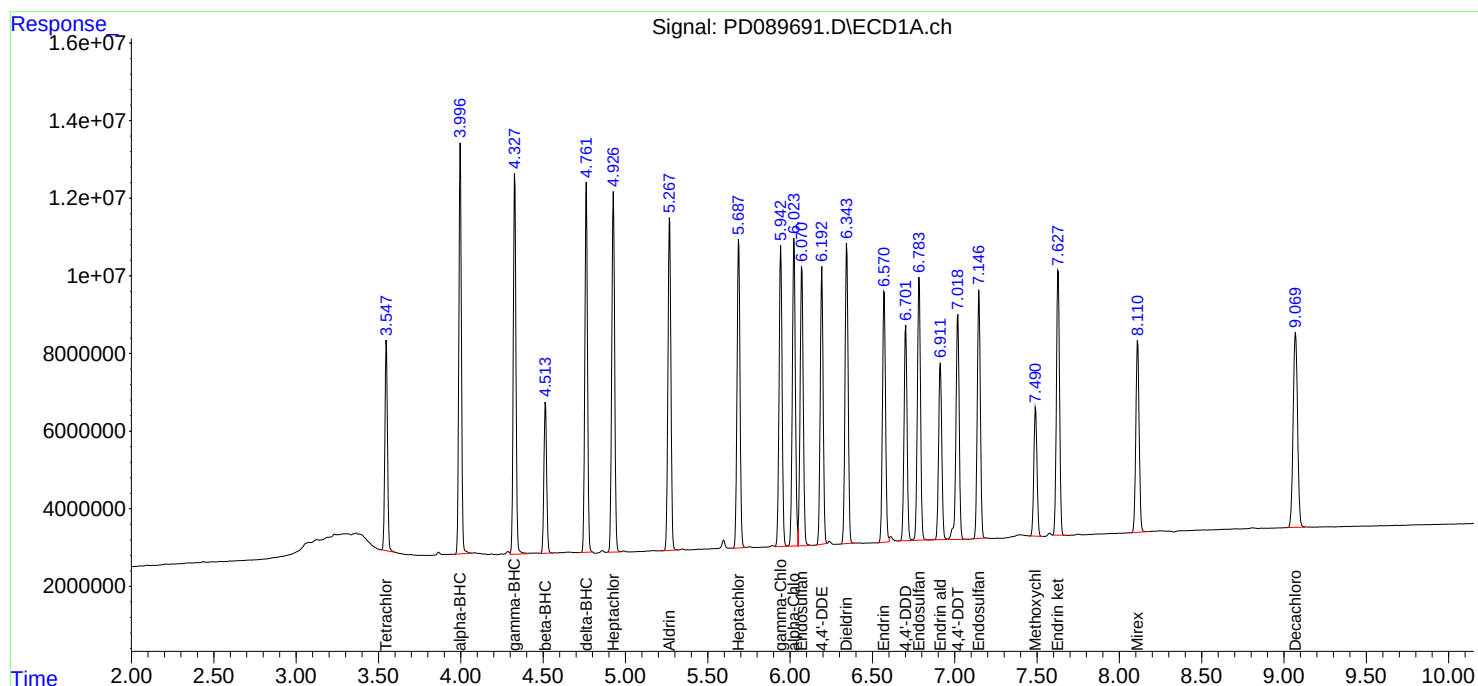
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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

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



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

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

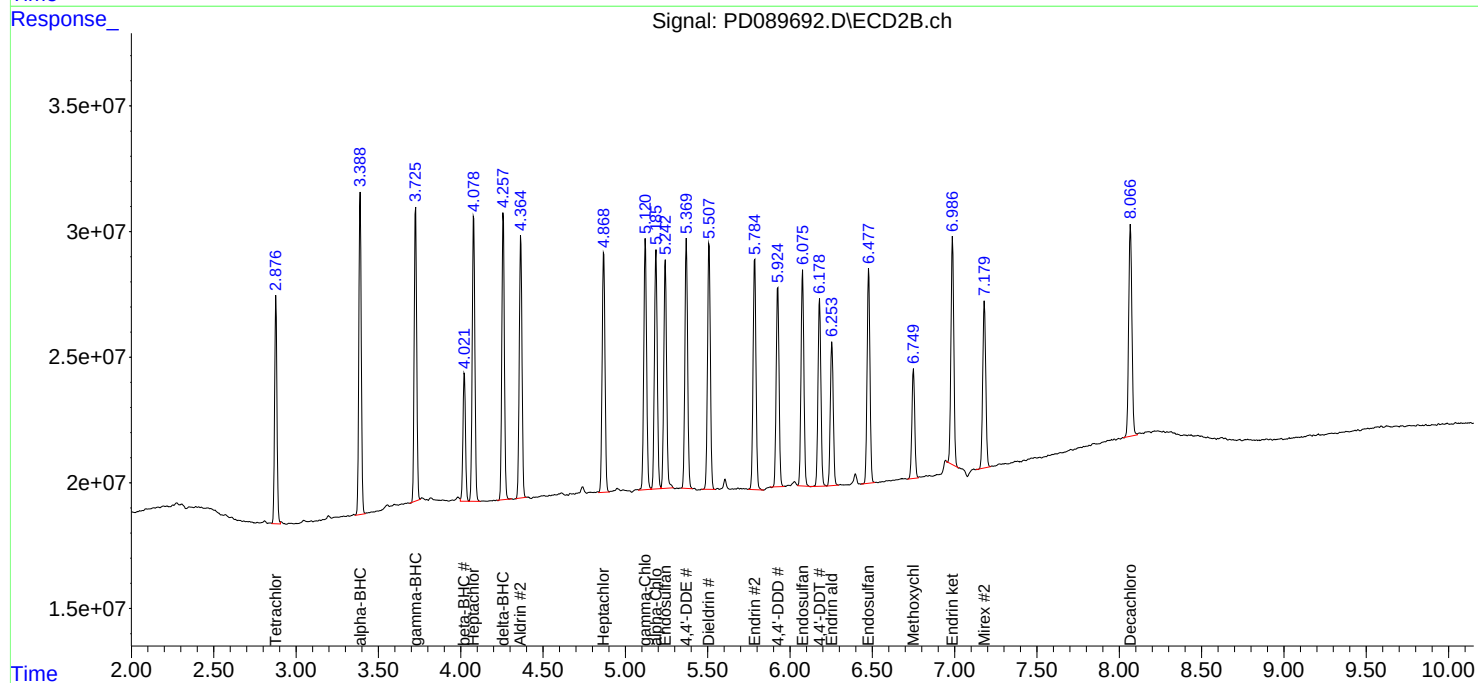
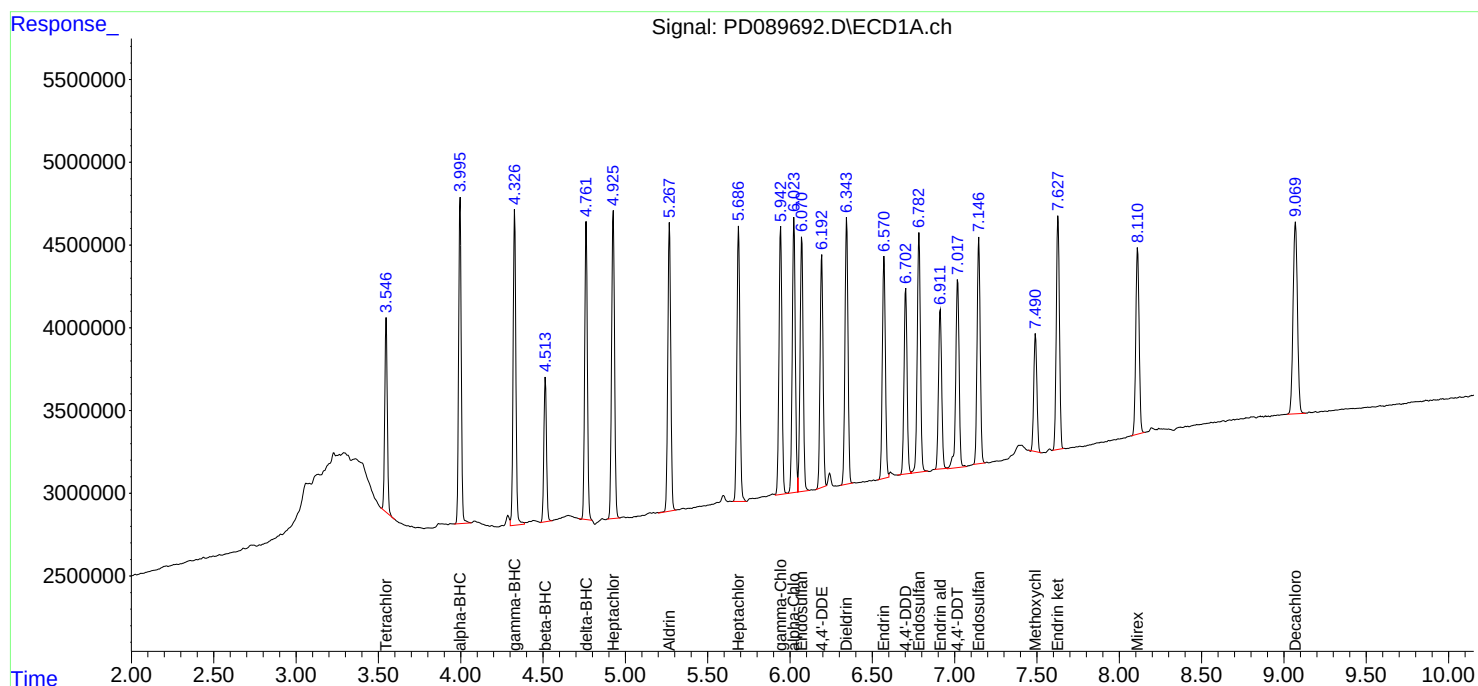
APPROVED

Reviewed By :Abdul Mirza 08/01/2025

Supervised By :mohammad ahmed 08/01/2025

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

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



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

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

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

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

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

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

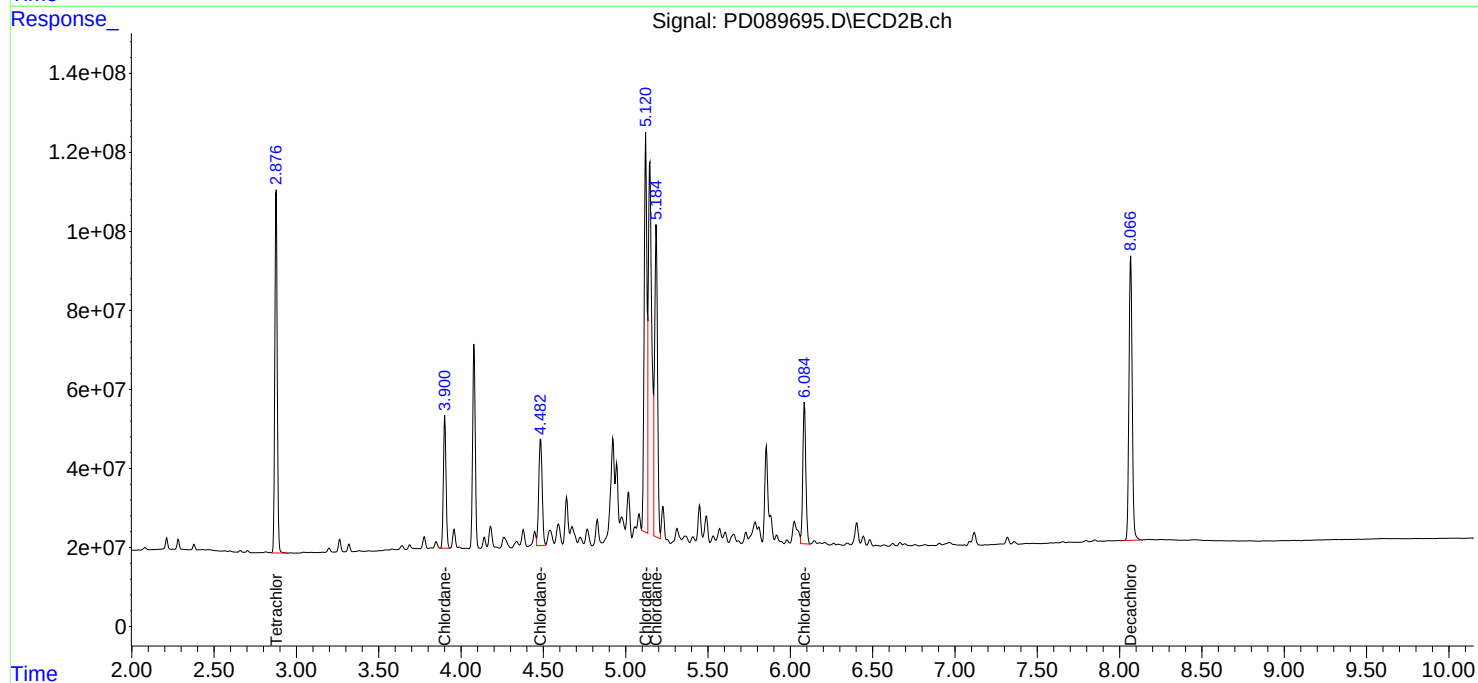
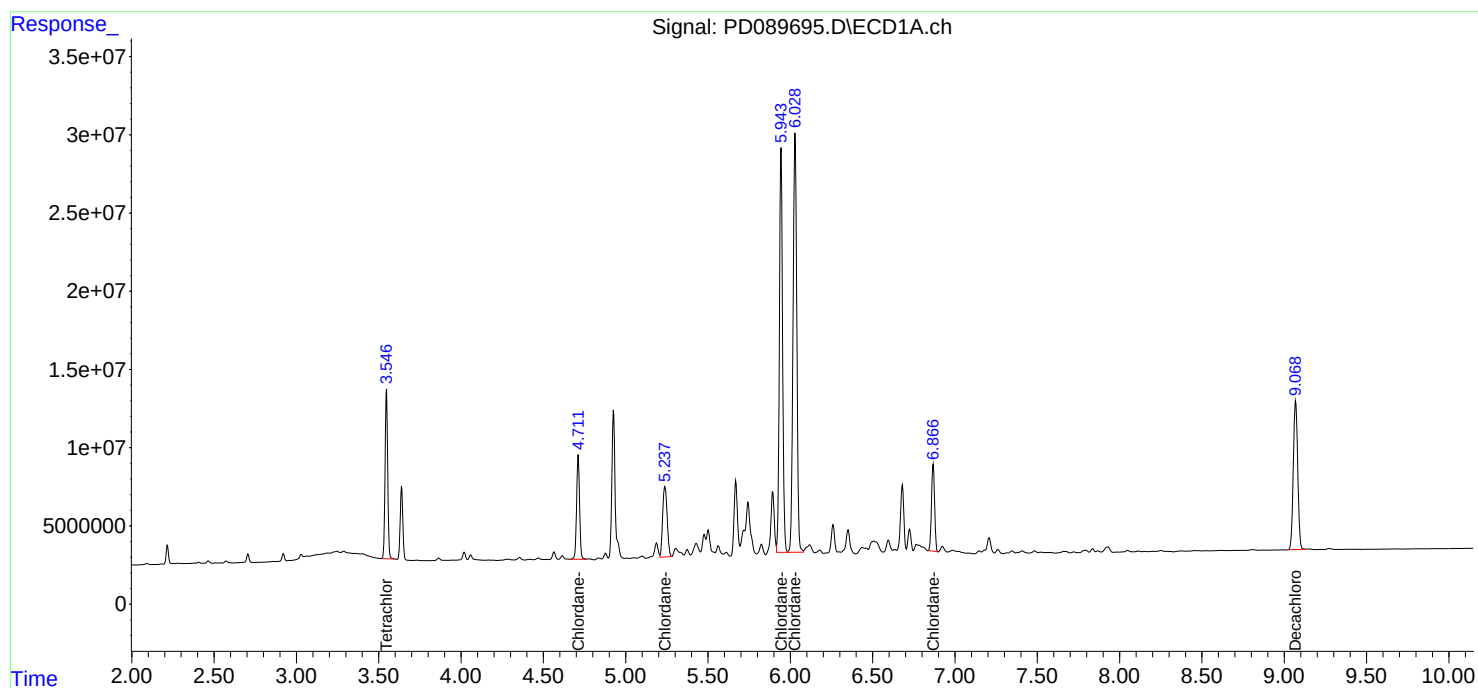
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

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

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



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

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

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

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

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

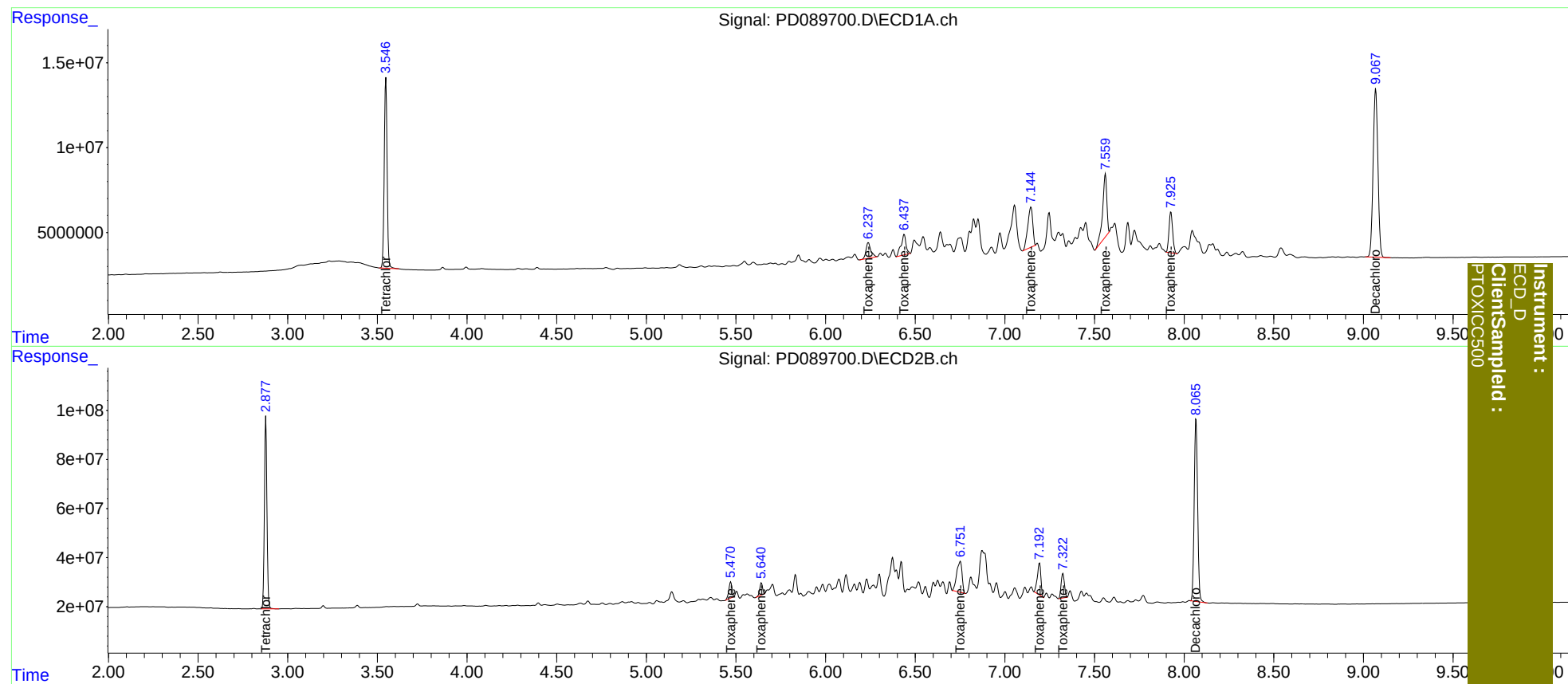
System Monitoring Compounds						
1) SA Tetrachlo...	3.547	2.878	124.8E6	773.4E6	50.000	50.000
7) SA Decachlor...	9.068	8.066	184.8E6	987.6E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.239	5.471	17443475	79994774	500.000	500.000
3) Toxaphene-2	6.439	5.642	23341665	54280922	500.000	500.000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

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

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

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

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



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

Instrument :
 ECD_D
 ClientSampleId :
 ICPD073125

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

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

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

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

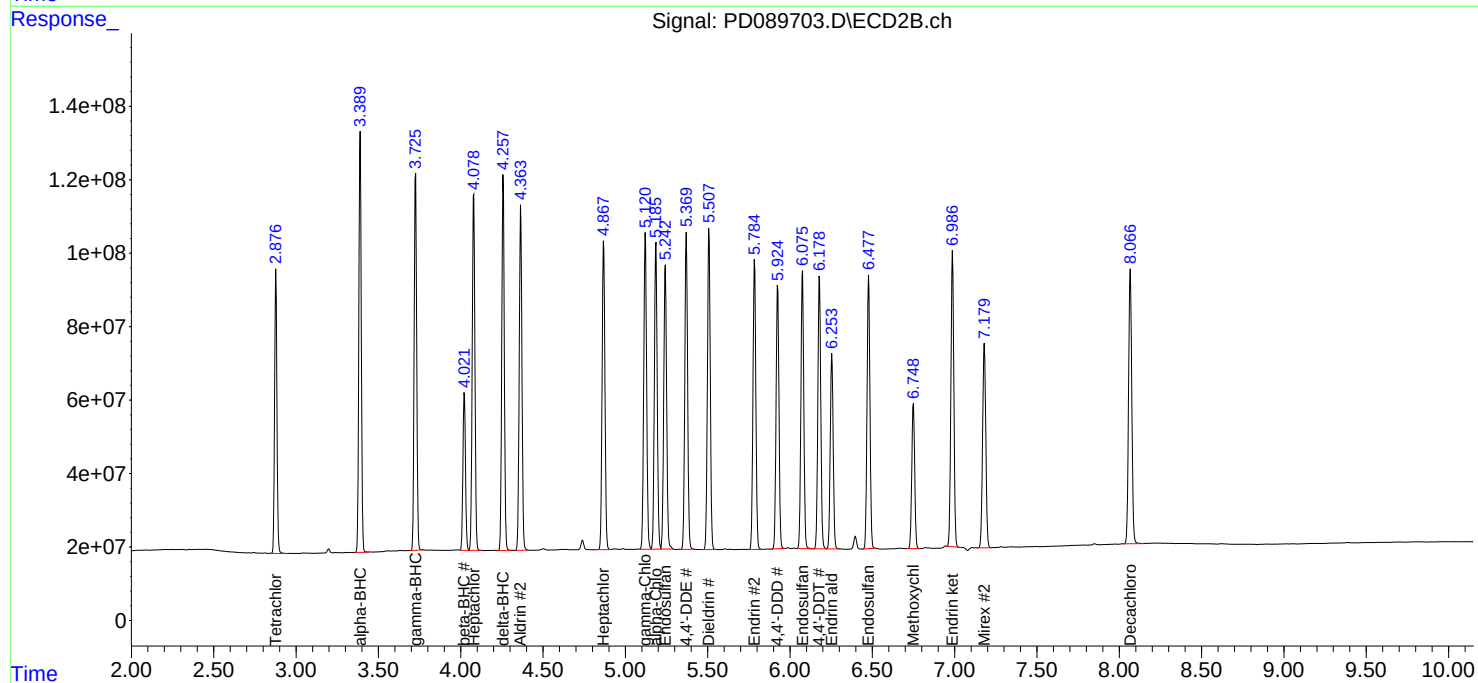
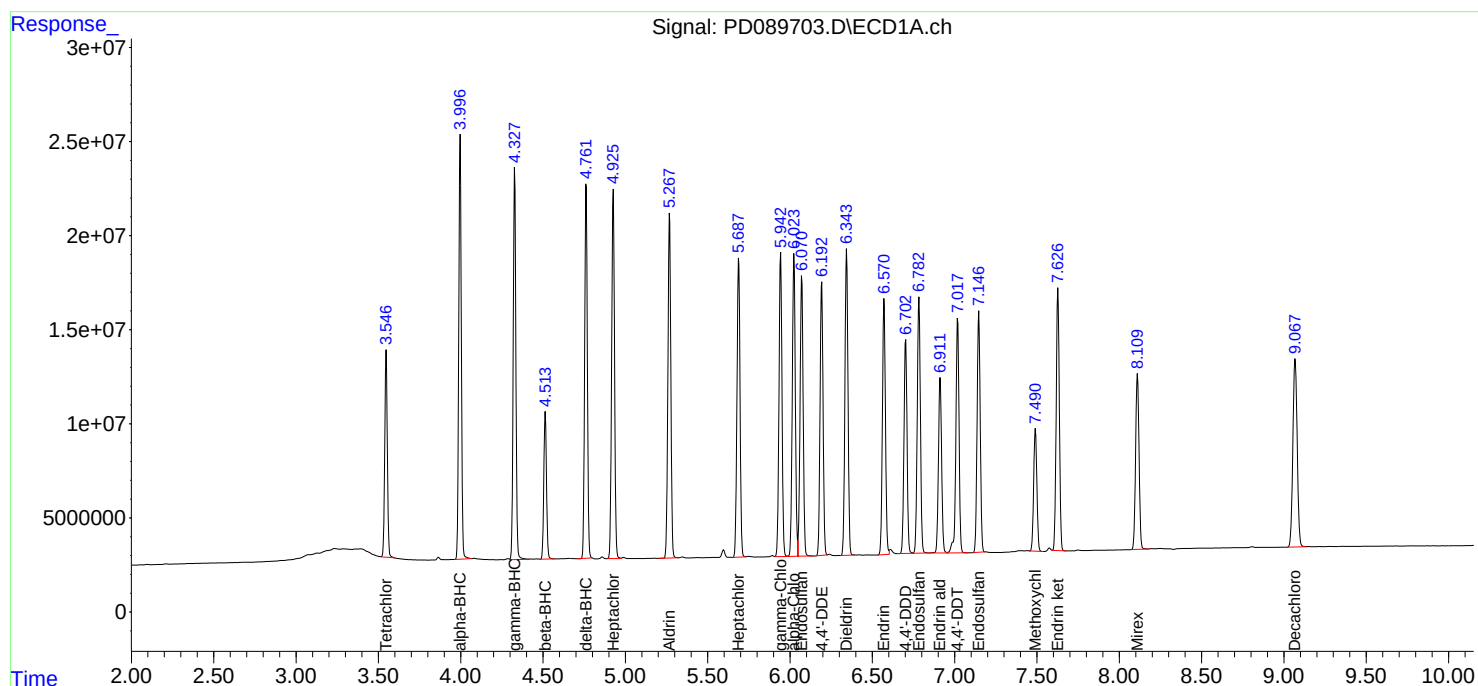
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_D
ClientSampleId :
ICVPD073125

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

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



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

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD073125CHLOR

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

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

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

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

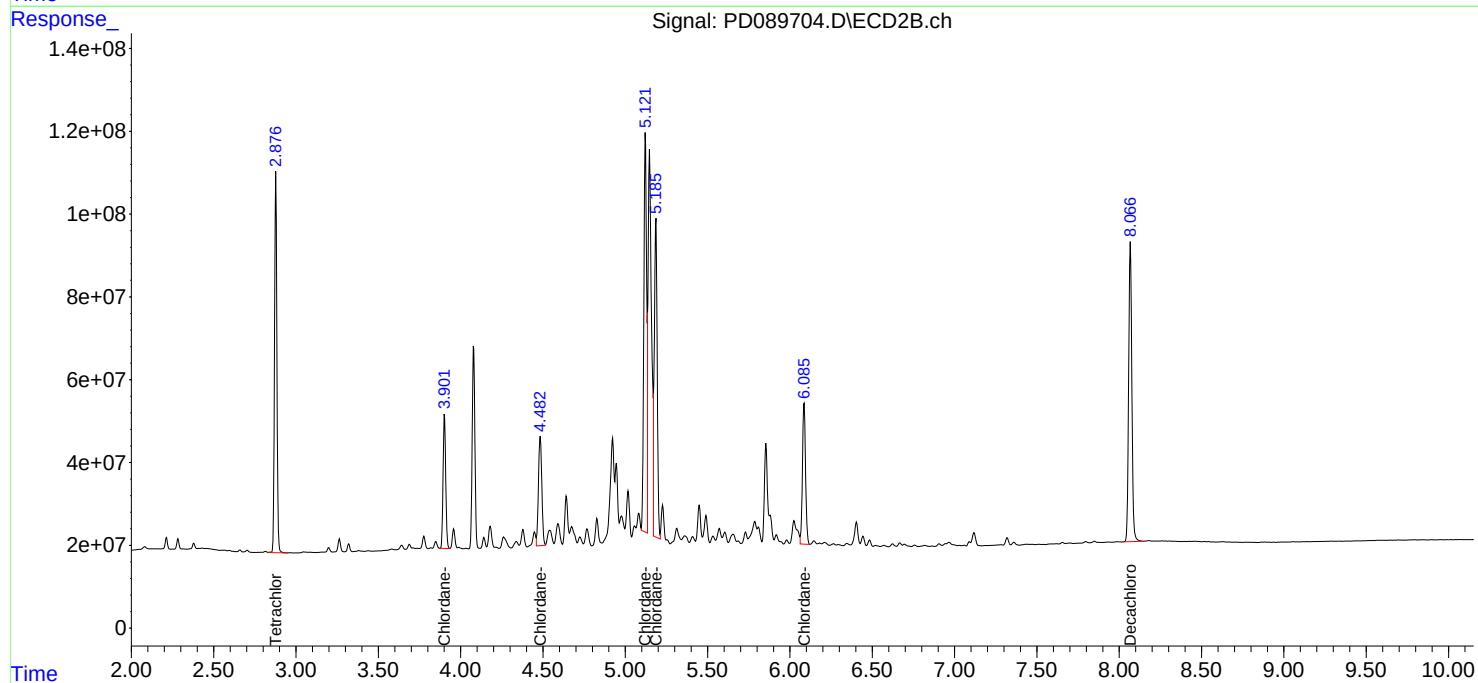
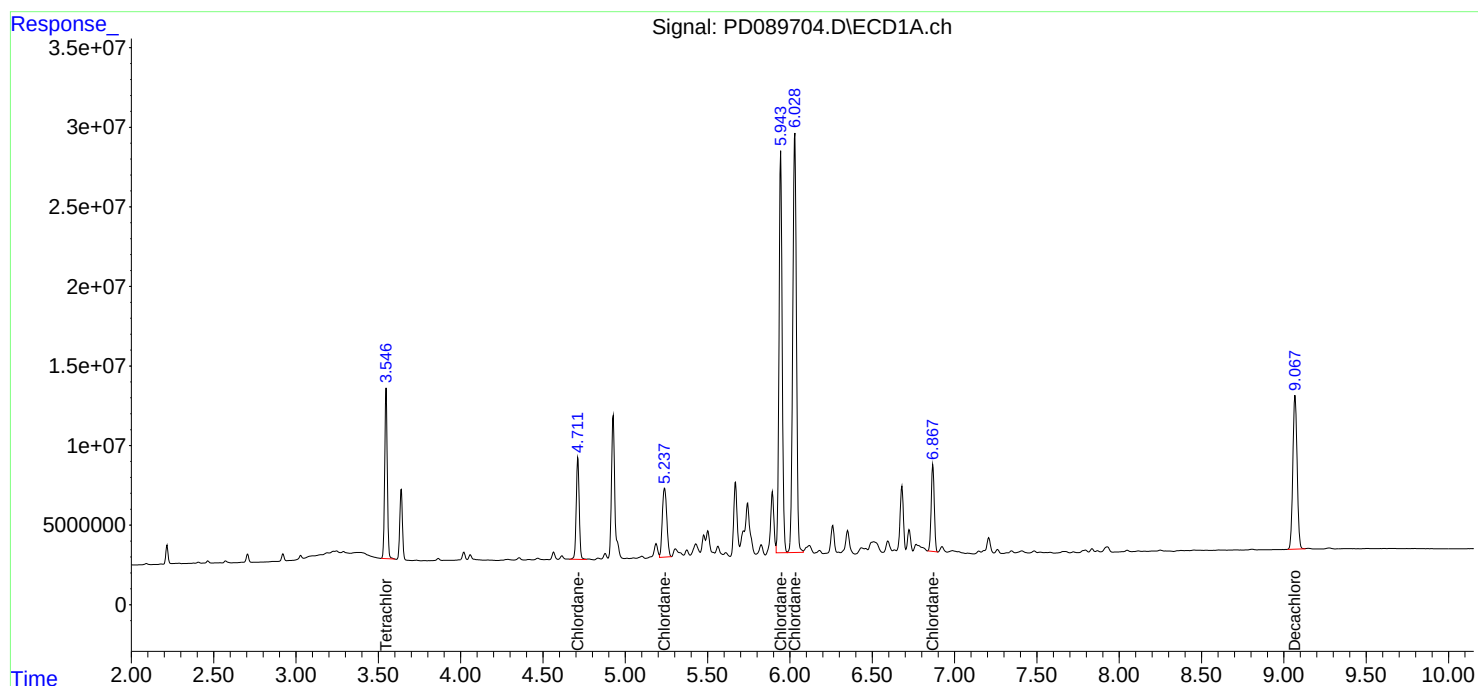
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_D
ClientSampleId :
ICVPD073125CHLOR

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

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



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

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD073125TOX

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

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

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

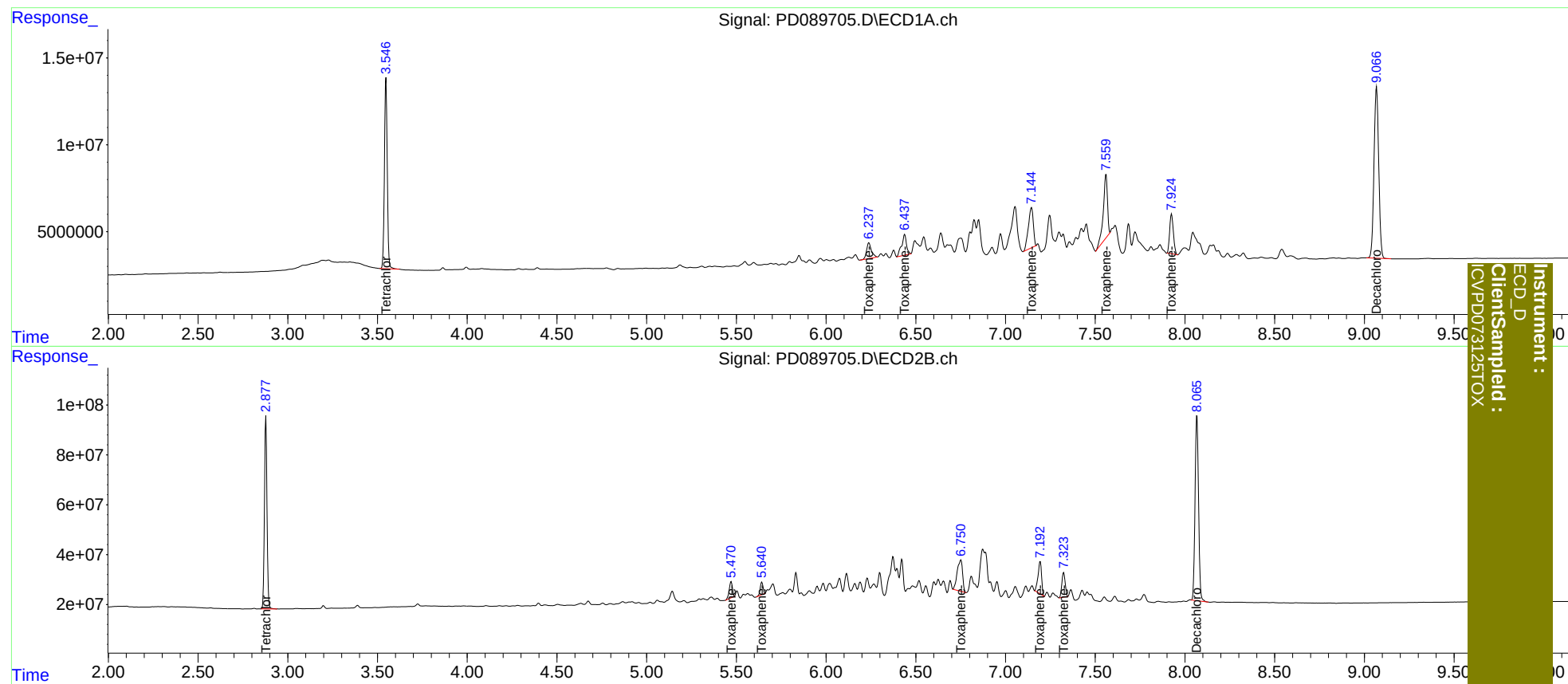
System Monitoring Compounds						
1) SA Tetrachlo...	3.547	2.878	121.0E6	763.7E6	49.297	49.152
7) SA Decachlor...	9.068	8.067	180.0E6	1004.8E6	48.913	50.328
Target Compounds						
2) Toxaphene-1	6.239	5.471	16790342	79371176	450.215	495.332
3) Toxaphene-2	6.438	5.642	22399003	54781356	491.263	516.501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

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

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

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

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Continuing Calib Date: 08/12/2025

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

07/31/2025

Continuing Calib Time: 16:05

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
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)	4.33	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	6.08	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	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	6.92	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Continuing Calib Date: 08/12/2025

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

07/31/2025

Continuing Calib Time: 16:05

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
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	4.37	4.27	4.47	0.01
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	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	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	6.26	6.16	6.36	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:** EARTH03
Lab Code: ACE **SDG NO.:** Q2818
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/12/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089864.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.705	6.604	6.804	49.600	50.000	-0.8
4,4'-DDE	6.196	6.094	6.294	46.960	50.000	-6.1
4,4'-DDT	7.022	6.919	7.119	41.600	50.000	-16.8
Aldrin	5.271	5.169	5.369	48.730	50.000	-2.5
alpha-BHC	4.000	3.897	4.097	50.030	50.000	0.1
alpha-Chlordane	6.027	5.925	6.125	47.320	50.000	-5.4
beta-BHC	4.518	4.414	4.614	49.650	50.000	-0.7
Decachlorobiphenyl	9.071	8.971	9.171	44.030	50.000	-11.9
delta-BHC	4.766	4.663	4.863	49.480	50.000	-1.0
Dieldrin	6.347	6.245	6.445	46.880	50.000	-6.2
Endosulfan I	6.075	5.972	6.172	46.970	50.000	-6.1
Endosulfan II	6.787	6.684	6.884	44.850	50.000	-10.3
Endosulfan sulfate	7.150	7.048	7.248	44.710	50.000	-10.6
Endrin	6.574	6.472	6.672	43.730	50.000	-12.5
Endrin aldehyde	6.915	6.813	7.013	47.460	50.000	-5.1
Endrin ketone	7.631	7.529	7.729	44.950	50.000	-10.1
gamma-BHC (Lindane)	4.331	4.228	4.428	49.460	50.000	-1.1
gamma-Chlordane	5.946	5.844	6.044	47.130	50.000	-5.7
Heptachlor	4.929	4.827	5.027	46.100	50.000	-7.8
Heptachlor epoxide	5.691	5.589	5.789	47.670	50.000	-4.7
Methoxychlor	7.494	7.392	7.592	42.100	50.000	-15.8
Tetrachloro-m-xylene	3.551	3.448	3.648	48.190	50.000	-3.6



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

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

Client Sample No.: CCAL01 Date Analyzed: 08/12/2025

Lab Sample No.: PSTDCCC050 Data File : PD089864.D Time Analyzed: 16:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.925	5.825	6.025	60.020	50.000	20.0
4,4'-DDE	5.370	5.271	5.471	58.070	50.000	16.1
4,4'-DDT	6.179	6.079	6.279	54.460	50.000	8.9
Aldrin	4.364	4.265	4.465	58.380	50.000	16.8
alpha-BHC	3.390	3.290	3.490	58.880	50.000	17.8
alpha-Chlordane	5.186	5.086	5.286	58.270	50.000	16.5
beta-BHC	4.022	3.922	4.122	57.910	50.000	15.8
Decachlorobiphenyl	8.067	7.968	8.168	51.900	50.000	3.8
delta-BHC	4.258	4.159	4.359	58.370	50.000	16.7
Dieldrin	5.508	5.409	5.609	58.000	50.000	16.0
Endosulfan I	5.242	5.143	5.343	55.090	50.000	10.2
Endosulfan II	6.076	5.977	6.177	57.090	50.000	14.2
Endosulfan sulfate	6.478	6.378	6.578	55.500	50.000	11.0
Endrin	5.785	5.685	5.885	57.160	50.000	14.3
Endrin aldehyde	6.254	6.155	6.355	59.290	50.000	18.6
Endrin ketone	6.987	6.888	7.088	56.720	50.000	13.4
gamma-BHC (Lindane)	3.726	3.626	3.826	58.430	50.000	16.9
gamma-Chlordane	5.121	5.022	5.222	58.570	50.000	17.1
Heptachlor	4.079	3.979	4.179	55.600	50.000	11.2
Heptachlor epoxide	4.868	4.769	4.969	57.290	50.000	14.6
Methoxychlor	6.749	6.650	6.850	54.590	50.000	9.2
Tetrachloro-m-xylene	2.878	2.778	2.978	57.670	50.000	15.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
 Data File : PD089864.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Aug 2025 16:05
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 13 02:12:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.878	118.9E6	913.3E6	48.189	57.667
28)	SA Decachlor...	9.071	8.067	163.6E6	1042.0E6	44.029	51.899
Target Compounds							
2)	A alpha-BHC	4.000	3.390	247.8E6	1431.0E6	50.026	58.878
3)	MA gamma-BHC...	4.331	3.726	235.1E6	1316.1E6	49.465	58.431
4)	MA Heptachlor	4.929	4.079	221.8E6	1290.5E6	46.099	55.604
5)	MB Aldrin	5.271	4.364	222.5E6	1298.9E6	48.731	58.376
6)	B beta-BHC	4.518	4.022	91593149	558.7E6	49.653	57.907
7)	B delta-BHC	4.766	4.258	226.9E6	1326.0E6	49.478	58.373
8)	B Heptachlo...	5.691	4.868	199.3E6	1177.3E6	47.669	57.292
9)	A Endosulfan I	6.075	5.242	186.2E6	1076.8E6	46.971	55.086
10)	B gamma-Chl...	5.946	5.121	196.9E6	1268.3E6	47.126	58.573
11)	B alpha-Chl...	6.027	5.186	198.9E6	1213.3E6	47.315	58.272
12)	B 4,4'-DDE	6.196	5.370	175.2E6	1227.5E6	46.961	58.074
13)	MA Dieldrin	6.347	5.508	198.0E6	1255.0E6	46.876	57.996
14)	MA Endrin	6.574	5.785	156.5E6	1138.9E6	43.730	57.158 #
15)	B Endosulfa...	6.787	6.076	164.6E6	1073.3E6	44.854	57.095 #
16)	A 4,4'-DDD	6.705	5.925	148.5E6	1058.4E6	49.600	60.025
17)	MA 4,4'-DDT	7.022	6.179	139.8E6	1000.5E6	41.599	54.457 #
18)	B Endrin al...	6.915	6.254	118.4E6	766.1E6	47.458	59.293
19)	B Endosulfa...	7.150	6.478	155.1E6	1030.3E6	44.709	55.497
20)	A Methoxychlor	7.494	6.749	75279187	534.7E6	42.103	54.587 #
21)	B Endrin ke...	7.631	6.987	167.0E6	1138.4E6	44.955	56.724 #
22)	Mirex	8.113	7.180	120.7E6	855.6E6	43.282	56.212 #

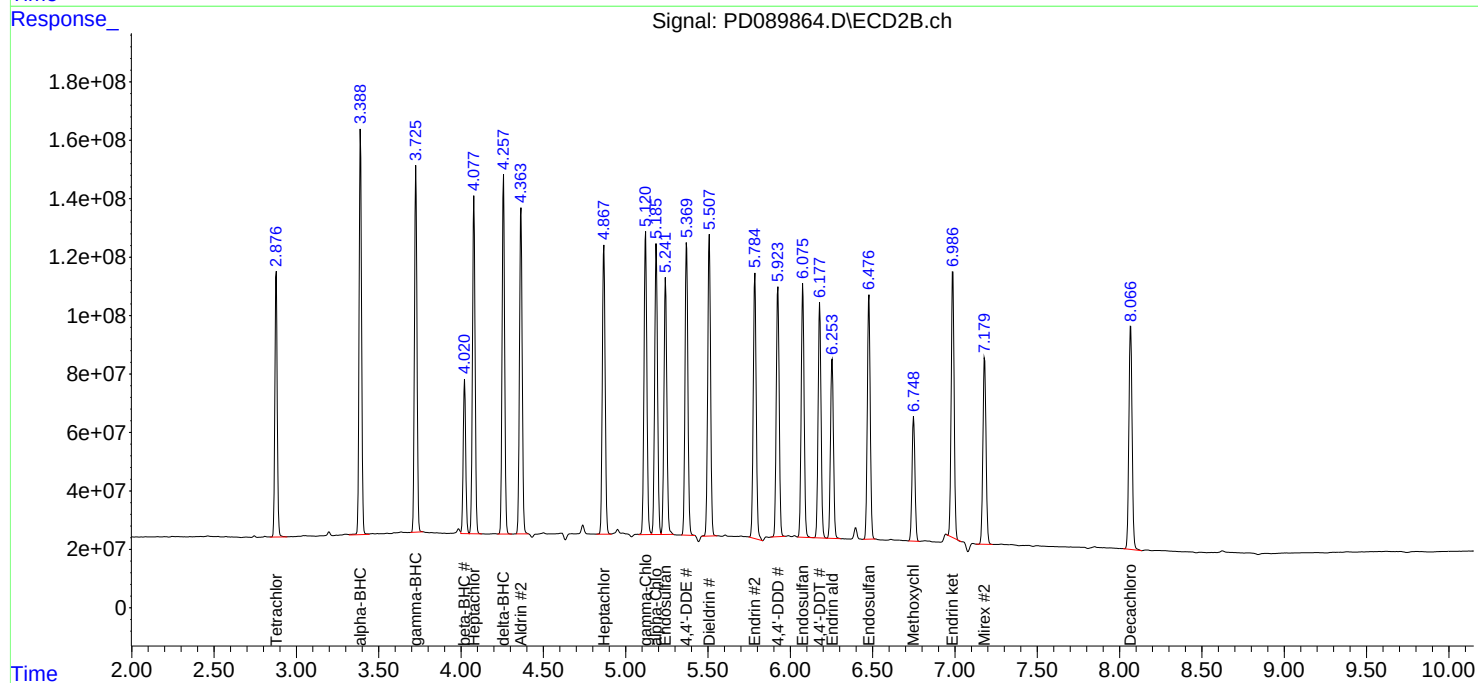
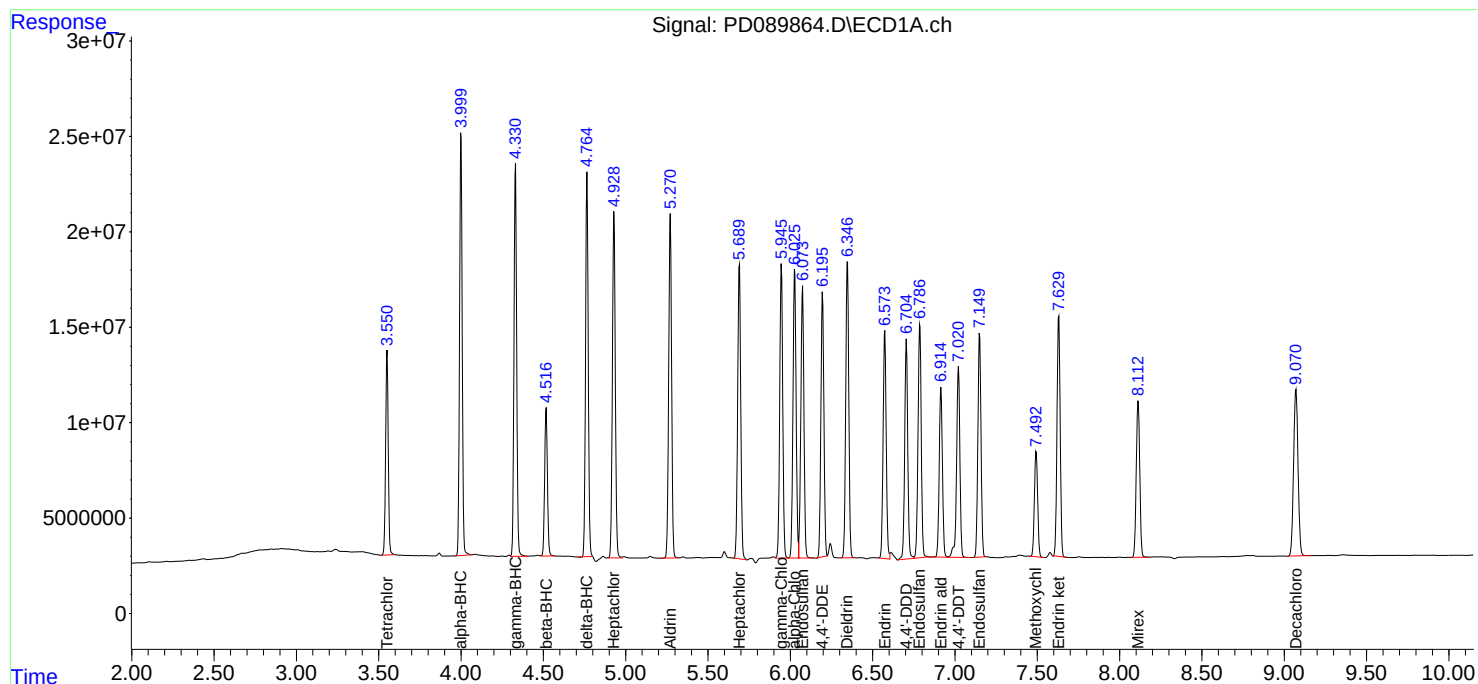
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089864.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:05
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Continuing Calib Date: 08/12/2025

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

07/31/2025

Continuing Calib Time: 20:12

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	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	6.35	6.25	6.45	0.01
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	6.03	5.93	6.13	0.01
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: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Continuing Calib Date: 08/12/2025

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

07/31/2025

Continuing Calib Time: 20:12

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
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	4.37	4.27	4.47	0.01
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	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.92	5.93	5.83	6.03	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	6.25	6.26	6.16	6.36	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:** EARTH03
Lab Code: ACE **SDG NO.:** Q2818
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089876.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.702	6.604	6.804	50.520	50.000	1.0
4,4'-DDE	6.193	6.094	6.294	46.370	50.000	-7.3
4,4'-DDT	7.018	6.919	7.119	40.230	50.000	-19.5
Aldrin	5.267	5.169	5.369	48.670	50.000	-2.7
alpha-BHC	3.997	3.897	4.097	49.900	50.000	-0.2
alpha-Chlordane	6.024	5.925	6.125	47.010	50.000	-6.0
beta-BHC	4.514	4.414	4.614	49.300	50.000	-1.4
Decachlorobiphenyl	9.068	8.971	9.171	44.100	50.000	-11.8
delta-BHC	4.762	4.663	4.863	49.370	50.000	-1.3
Dieldrin	6.343	6.245	6.445	46.490	50.000	-7.0
Endosulfan I	6.071	5.972	6.172	46.730	50.000	-6.5
Endosulfan II	6.783	6.684	6.884	44.920	50.000	-10.2
Endosulfan sulfate	7.146	7.048	7.248	44.190	50.000	-11.6
Endrin	6.571	6.472	6.672	43.700	50.000	-12.6
Endrin aldehyde	6.912	6.813	7.013	47.080	50.000	-5.8
Endrin ketone	7.627	7.529	7.729	44.950	50.000	-10.1
gamma-BHC (Lindane)	4.328	4.228	4.428	49.560	50.000	-0.9
gamma-Chlordane	5.943	5.844	6.044	47.030	50.000	-5.9
Heptachlor	4.926	4.827	5.027	45.020	50.000	-10.0
Heptachlor epoxide	5.688	5.589	5.789	47.260	50.000	-5.5
Methoxychlor	7.490	7.392	7.592	40.620	50.000	-18.8
Tetrachloro-m-xylene	3.548	3.448	3.648	48.370	50.000	-3.3



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2818
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089876.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.923	5.825	6.025	59.900	50.000	19.8
4,4'-DDE	5.371	5.271	5.471	58.590	50.000	17.2
4,4'-DDT	6.179	6.079	6.279	53.240	50.000	6.5
Aldrin	4.365	4.265	4.465	59.160	50.000	18.3
alpha-BHC	3.390	3.290	3.490	59.200	50.000	18.4
alpha-Chlordane	5.186	5.086	5.286	58.830	50.000	17.7
beta-BHC	4.022	3.922	4.122	58.350	50.000	16.7
Decachlorobiphenyl	8.066	7.968	8.168	52.090	50.000	4.2
delta-BHC	4.258	4.159	4.359	59.170	50.000	18.3
Dieldrin	5.508	5.409	5.609	58.710	50.000	17.4
Endosulfan I	5.242	5.143	5.343	53.930	50.000	7.9
Endosulfan II	6.076	5.977	6.177	57.270	50.000	14.5
Endosulfan sulfate	6.478	6.378	6.578	55.470	50.000	10.9
Endrin	5.784	5.685	5.885	59.770	50.000	19.5
Endrin aldehyde	6.254	6.155	6.355	59.240	50.000	18.5
Endrin ketone	6.987	6.888	7.088	57.250	50.000	14.5
gamma-BHC (Lindane)	3.726	3.626	3.826	58.920	50.000	17.8
gamma-Chlordane	5.121	5.022	5.222	59.240	50.000	18.5
Heptachlor	4.079	3.979	4.179	55.250	50.000	10.5
Heptachlor epoxide	4.869	4.769	4.969	57.830	50.000	15.7
Methoxychlor	6.749	6.650	6.850	53.620	50.000	7.2
Tetrachloro-m-xylene	2.878	2.778	2.978	58.280	50.000	16.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
 Data File : PD089876.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Aug 2025 20:12
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/13/2025

Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 13 02:15:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	119.3E6	923.0E6	48.369	58.276
28)	SA Decachlor...	9.068	8.066	163.9E6	1045.8E6	44.100	52.089
Target Compounds							
2)	A alpha-BHC	3.997	3.390	247.2E6	1438.8E6	49.895	59.199
3)	MA gamma-BHC...	4.328	3.726	235.5E6	1327.2E6	49.556	58.922
4)	MA Heptachlor	4.926	4.079	216.6E6	1282.4E6	45.017	55.254
5)	MB Aldrin	5.267	4.365	222.2E6	1316.3E6	48.665	59.156
6)	B beta-BHC	4.514	4.022	90944432	563.0E6	49.301	58.346
7)	B delta-BHC	4.762	4.258	226.4E6	1344.1E6	49.370	59.174
8)	B Heptachlo...	5.688	4.869	197.6E6	1188.4E6	47.264	57.830
9)	A Endosulfan I	6.071	5.242	185.2E6	1054.3E6	46.732	53.931
10)	B gamma-Chl...	5.943	5.121	196.5E6	1282.7E6	47.029	59.240 #
11)	B alpha-Chl...	6.024	5.186	197.6E6	1224.9E6	47.006	58.829 #
12)	B 4,4'-DDE	6.193	5.371	172.9E6	1238.4E6	46.369	58.590 #
13)	MA Dieldrin	6.343	5.508	196.3E6	1270.3E6	46.489	58.705 #
14)	MA Endrin	6.571	5.784	156.3E6	1191.0E6	43.700	59.771m#
15)	B Endosulfa...	6.783	6.076	164.8E6	1076.7E6	44.925	57.273 #
16)	A 4,4'-DDD	6.702	5.923	151.3E6	1056.1E6	50.515	59.896m
17)	MA 4,4'-DDT	7.018	6.179	135.2E6	978.2E6	40.234	53.243 #
18)	B Endrin al...	6.912	6.254	117.5E6	765.4E6	47.075	59.239 #
19)	B Endosulfa...	7.146	6.478	153.3E6	1029.8E6	44.188	55.469 #
20)	A Methoxychlor	7.490	6.749	72632539	525.2E6	40.623	53.617 #
21)	B Endrin ke...	7.627	6.987	167.0E6	1149.0E6	44.954	57.255 #
22)	Mirex	8.110	7.180	120.6E6	861.1E6	43.260	56.573 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 20:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

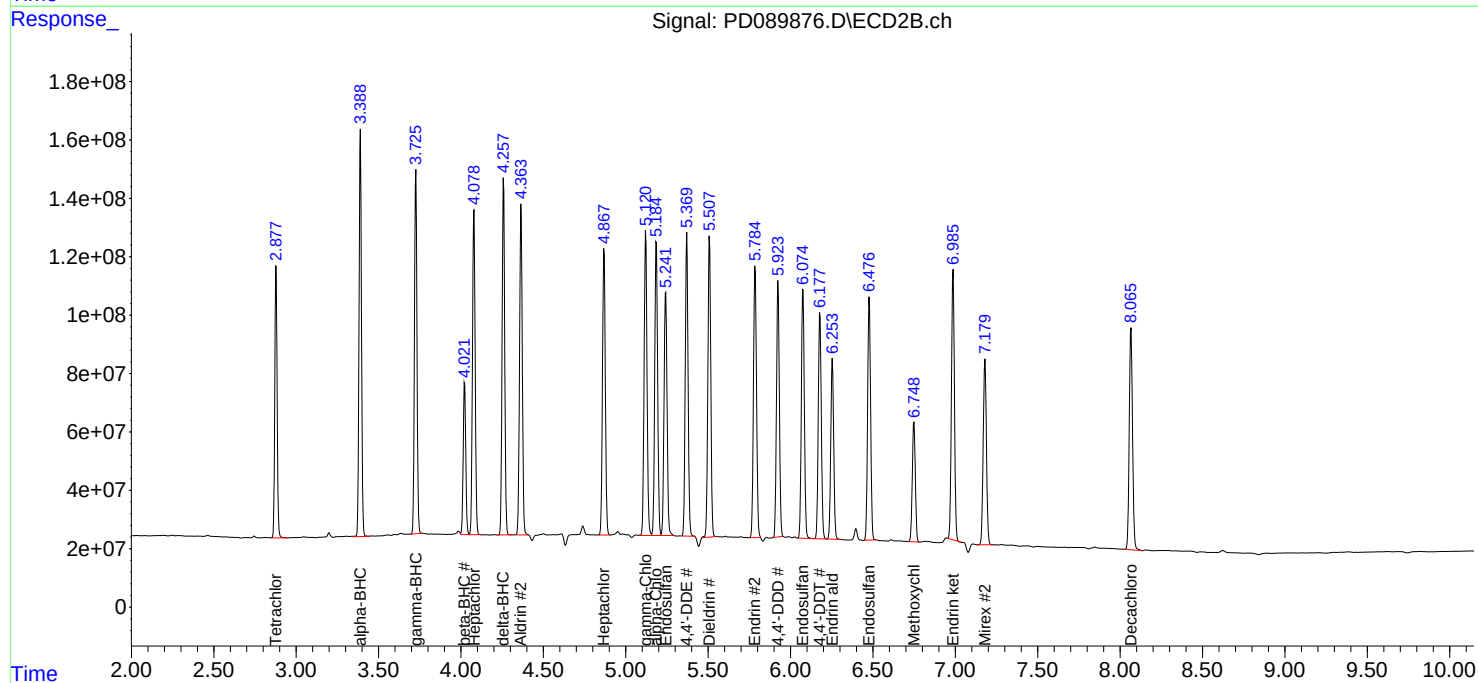
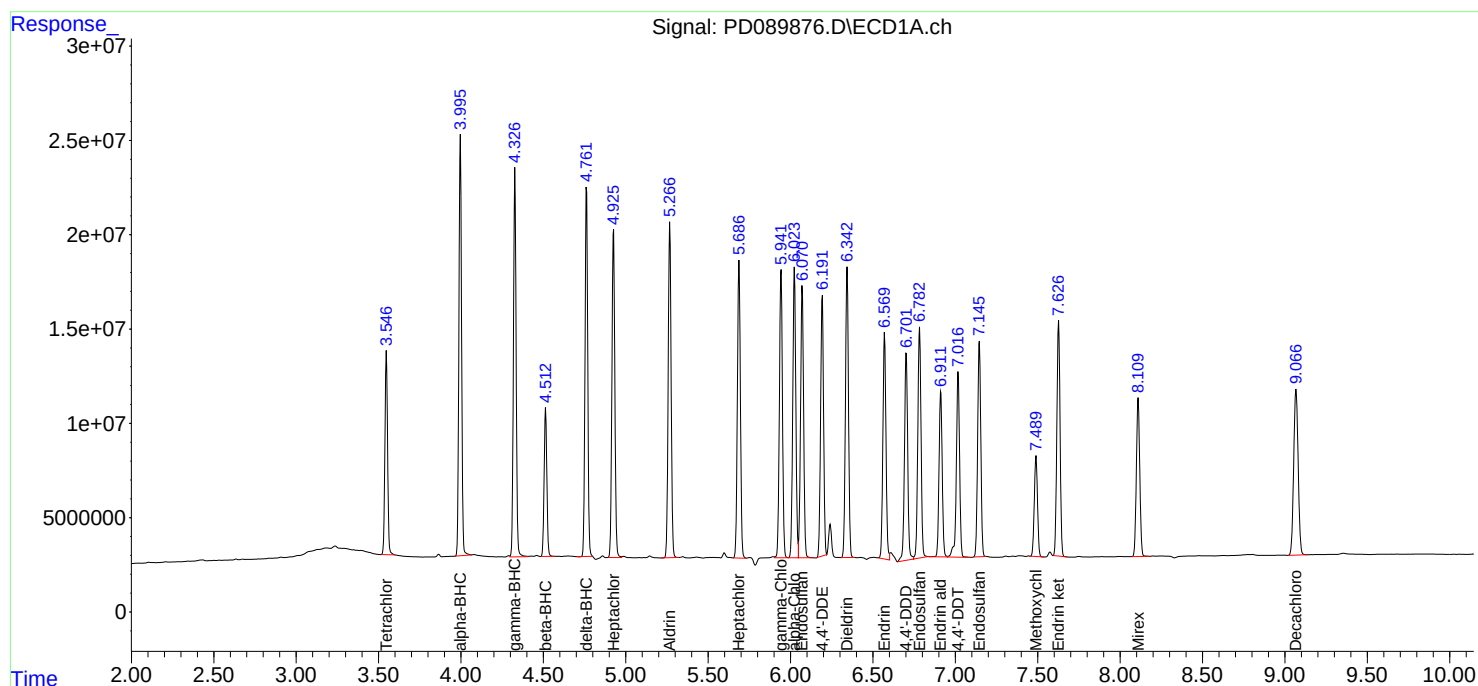
APPROVED

Reviewed By :Abdul Mirza 08/13/2025

Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:15:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Continuing Calib Date: 08/14/2025

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

07/31/2025

Continuing Calib Time: 12:52

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	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	6.35	6.25	6.45	0.00
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	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Continuing Calib Date: 08/14/2025

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

07/31/2025

Continuing Calib Time: 12:52

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
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	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	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	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	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	6.26	6.26	6.16	6.36	0.00
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:** EARTH03
Lab Code: ACE **SDG NO.:** Q2818
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/14/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089890.D **Time Analyzed:** 12:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.710	6.604	6.804	45.870	50.000	-8.3
4,4'-DDE	6.200	6.094	6.294	45.930	50.000	-8.1
4,4'-DDT	7.025	6.919	7.119	44.200	50.000	-11.6
Aldrin	5.275	5.169	5.369	47.440	50.000	-5.1
alpha-BHC	4.004	3.897	4.097	48.550	50.000	-2.9
alpha-Chlordane	6.031	5.925	6.125	46.310	50.000	-7.4
beta-BHC	4.521	4.414	4.614	48.360	50.000	-3.3
Decachlorobiphenyl	9.077	8.971	9.171	43.090	50.000	-13.8
delta-BHC	4.770	4.663	4.863	47.140	50.000	-5.7
Dieldrin	6.351	6.245	6.445	45.720	50.000	-8.6
Endosulfan I	6.078	5.972	6.172	46.010	50.000	-8.0
Endosulfan II	6.791	6.684	6.884	44.460	50.000	-11.1
Endosulfan sulfate	7.154	7.048	7.248	43.640	50.000	-12.7
Endrin	6.579	6.472	6.672	45.250	50.000	-9.5
Endrin aldehyde	6.920	6.813	7.013	45.640	50.000	-8.7
Endrin ketone	7.635	7.529	7.729	42.990	50.000	-14.0
gamma-BHC (Lindane)	4.335	4.228	4.428	48.560	50.000	-2.9
gamma-Chlordane	5.951	5.844	6.044	46.510	50.000	-7.0
Heptachlor	4.934	4.827	5.027	47.200	50.000	-5.6
Heptachlor epoxide	5.695	5.589	5.789	46.250	50.000	-7.5
Methoxychlor	7.498	7.392	7.592	42.190	50.000	-15.6
Tetrachloro-m-xylene	3.554	3.448	3.648	46.570	50.000	-6.9



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2818

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

Client Sample No.: CCAL03 Date Analyzed: 08/14/2025

Lab Sample No.: PSTDCCC050 Data File : PD089890.D Time Analyzed: 12:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.927	5.825	6.025	57.880	50.000	15.8
4,4'-DDE	5.372	5.271	5.471	57.690	50.000	15.4
4,4'-DDT	6.181	6.079	6.279	58.920	50.000	17.8
Aldrin	4.366	4.265	4.465	57.740	50.000	15.5
alpha-BHC	3.389	3.290	3.490	57.260	50.000	14.5
alpha-Chlordane	5.188	5.086	5.286	57.900	50.000	15.8
beta-BHC	4.023	3.922	4.122	57.220	50.000	14.4
Decachlorobiphenyl	8.069	7.968	8.168	51.950	50.000	3.9
delta-BHC	4.260	4.159	4.359	57.630	50.000	15.3
Dieldrin	5.510	5.409	5.609	57.580	50.000	15.2
Endosulfan I	5.245	5.143	5.343	55.390	50.000	10.8
Endosulfan II	6.078	5.977	6.177	57.080	50.000	14.2
Endosulfan sulfate	6.480	6.378	6.578	55.350	50.000	10.7
Endrin	5.787	5.685	5.885	57.760	50.000	15.5
Endrin aldehyde	6.257	6.155	6.355	57.910	50.000	15.8
Endrin ketone	6.990	6.888	7.088	54.610	50.000	9.2
gamma-BHC (Lindane)	3.727	3.626	3.826	57.600	50.000	15.2
gamma-Chlordane	5.123	5.022	5.222	58.030	50.000	16.1
Heptachlor	4.080	3.979	4.179	56.150	50.000	12.3
Heptachlor epoxide	4.870	4.769	4.969	56.940	50.000	13.9
Methoxychlor	6.751	6.650	6.850	55.400	50.000	10.8
Tetrachloro-m-xylene	2.878	2.778	2.978	56.960	50.000	13.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
 Data File : PD089890.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Aug 2025 12:52
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/15/2025

Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 14 13:55:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.554	2.878	114.9E6	902.0E6	46.570	56.955
28)	SA Decachlor...	9.077	8.069	160.1E6	1043.0E6	43.088	51.946
Target Compounds							
2)	A alpha-BHC	4.004	3.389	240.5E6	1391.8E6	48.553	57.265m
3)	MA gamma-BHC...	4.335	3.727	230.8E6	1297.4E6	48.559	57.601
4)	MA Heptachlor	4.934	4.080	227.1E6	1303.3E6	47.197	56.154
5)	MB Aldrin	5.275	4.366	216.6E6	1284.7E6	47.444	57.739
6)	B beta-BHC	4.521	4.023	89205617	552.1E6	48.358	57.221
7)	B delta-BHC	4.770	4.260	216.2E6	1309.0E6	47.139	57.627
8)	B Heptachlo...	5.695	4.870	193.4E6	1170.2E6	46.250	56.945
9)	A Endosulfan I	6.078	5.245	182.4E6	1082.8E6	46.010	55.391
10)	B gamma-Chl...	5.951	5.123	194.4E6	1256.7E6	46.508	58.035
11)	B alpha-Chl...	6.031	5.188	194.7E6	1205.7E6	46.311	57.905 #
12)	B 4,4'-DDE	6.200	5.372	171.3E6	1219.3E6	45.926	57.686 #
13)	MA Dieldrin	6.351	5.510	193.1E6	1246.0E6	45.720	57.583 #
14)	MA Endrin	6.579	5.787	161.9E6	1150.9E6	45.254	57.760 #
15)	B Endosulfa...	6.791	6.078	163.1E6	1073.2E6	44.460	57.084 #
16)	A 4,4'-DDD	6.710	5.927	137.4E6	1020.6E6	45.873	57.882 #
17)	MA 4,4'-DDT	7.025	6.181	148.5E6	1082.4E6	44.202	58.916 #
18)	B Endrin al...	6.920	6.257	113.9E6	748.3E6	45.637	57.913 #
19)	B Endosulfa...	7.154	6.480	151.4E6	1027.6E6	43.635	55.348 #
20)	A Methoxychlor	7.498	6.751	75429833	542.7E6	42.187	55.404 #
21)	B Endrin ke...	7.635	6.990	159.7E6	1095.8E6	42.985	54.606 #
22)	Mirex	8.118	7.183	119.3E6	853.5E6	42.803	56.075 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

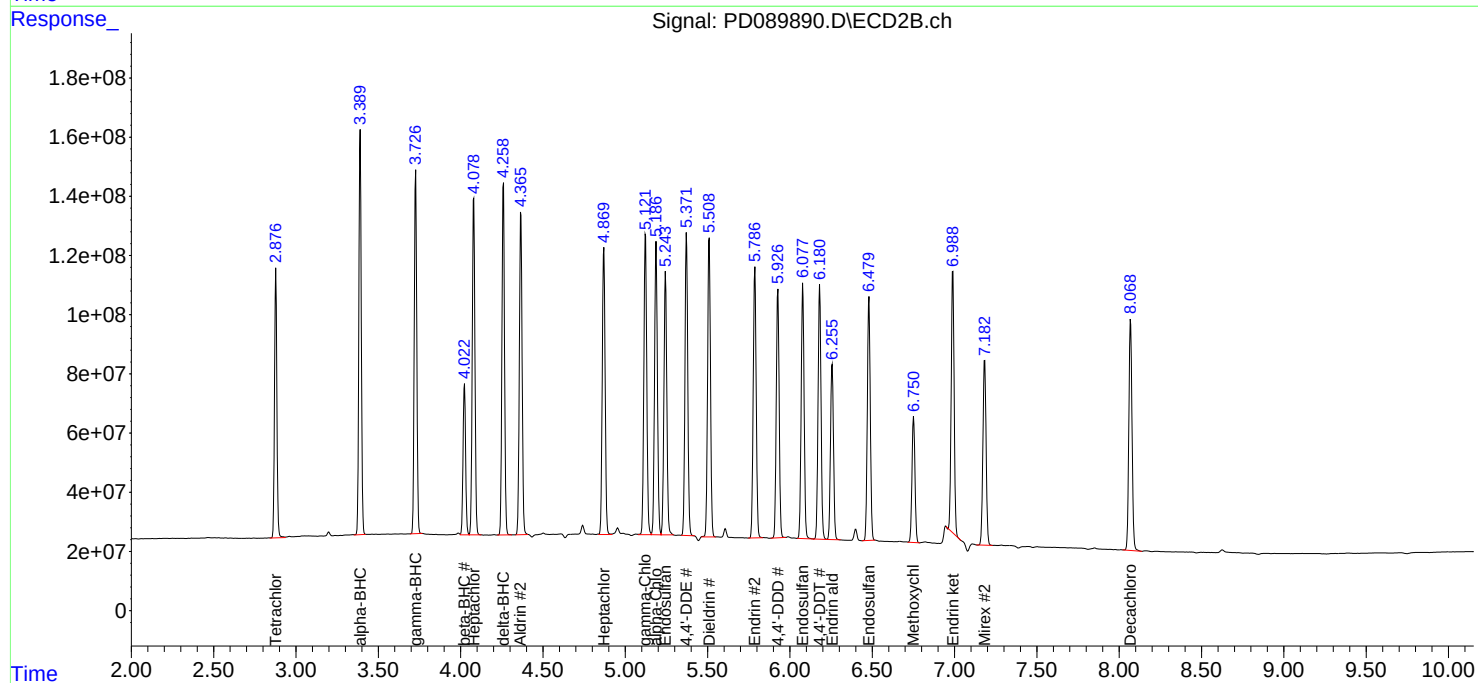
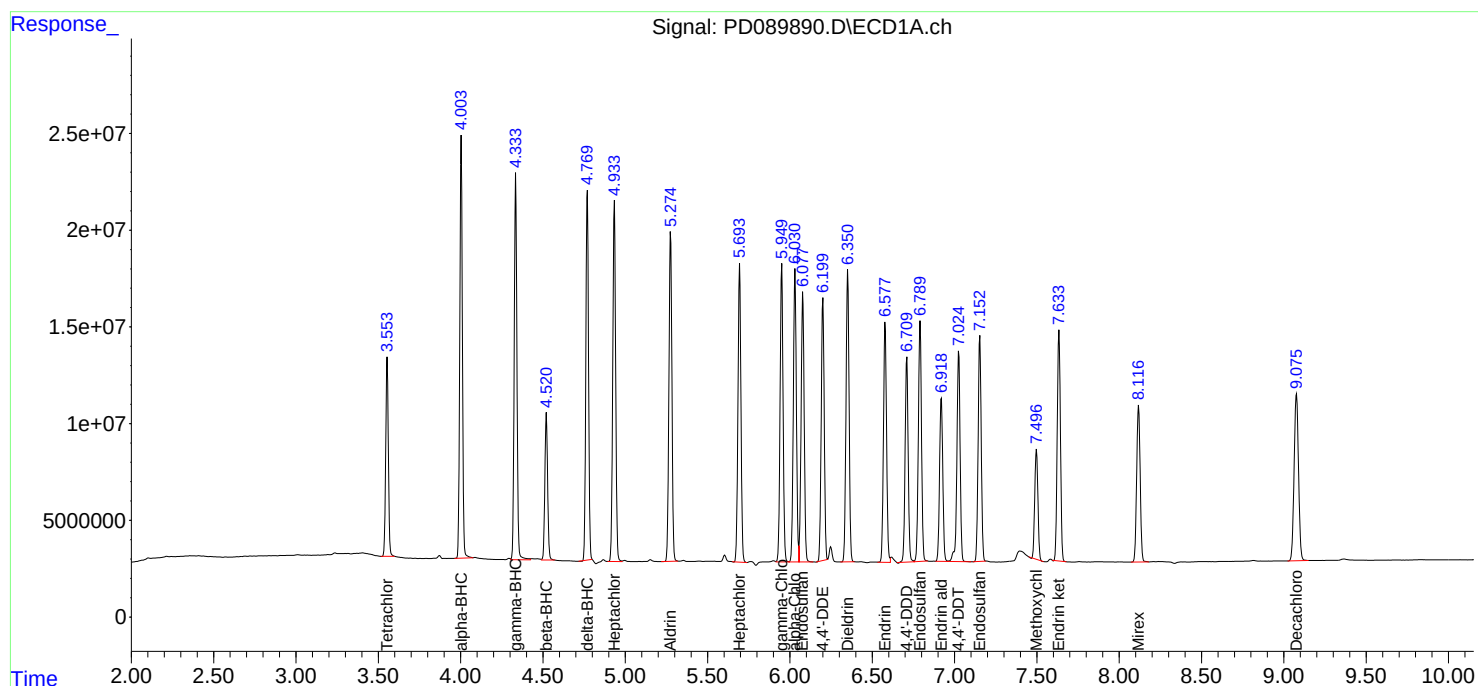
APPROVED

Reviewed By :Abdul Mirza 08/15/2025

Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:55:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Continuing Calib Date: 08/14/2025

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

07/31/2025

Continuing Calib Time: 17:10

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
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	6.35	6.25	6.45	0.00
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	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Continuing Calib Date: 08/14/2025

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

07/31/2025

Continuing Calib Time: 17:10

Initial Calibration Time(s): 11:47

12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
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	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	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	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	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	6.26	6.26	6.16	6.36	0.00
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:** EARTH03
Lab Code: ACE **SDG NO.:** Q2818
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089902.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.710	6.604	6.804	45.040	50.000	-9.9
4,4'-DDE	6.201	6.094	6.294	44.140	50.000	-11.7
4,4'-DDT	7.026	6.919	7.119	41.850	50.000	-16.3
Aldrin	5.275	5.169	5.369	46.210	50.000	-7.6
alpha-BHC	4.004	3.897	4.097	47.190	50.000	-5.6
alpha-Chlordane	6.032	5.925	6.125	44.850	50.000	-10.3
beta-BHC	4.521	4.414	4.614	46.820	50.000	-6.4
Decachlorobiphenyl	9.078	8.971	9.171	42.310	50.000	-15.4
delta-BHC	4.770	4.663	4.863	45.750	50.000	-8.5
Dieldrin	6.352	6.245	6.445	44.410	50.000	-11.2
Endosulfan I	6.079	5.972	6.172	44.650	50.000	-10.7
Endosulfan II	6.791	6.684	6.884	43.520	50.000	-13.0
Endosulfan sulfate	7.154	7.048	7.248	42.550	50.000	-14.9
Endrin	6.579	6.472	6.672	43.580	50.000	-12.8
Endrin aldehyde	6.920	6.813	7.013	45.250	50.000	-9.5
Endrin ketone	7.635	7.529	7.729	42.240	50.000	-15.5
gamma-BHC (Lindane)	4.335	4.228	4.428	47.290	50.000	-5.4
gamma-Chlordane	5.951	5.844	6.044	45.110	50.000	-9.8
Heptachlor	4.934	4.827	5.027	44.690	50.000	-10.6
Heptachlor epoxide	5.696	5.589	5.789	44.580	50.000	-10.8
Methoxychlor	7.498	7.392	7.592	43.710	50.000	-12.6
Tetrachloro-m-xylene	3.555	3.448	3.648	45.520	50.000	-9.0



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2818
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089902.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.927	5.825	6.025	56.000	50.000	12.0
4,4'-DDE	5.373	5.271	5.471	55.390	50.000	10.8
4,4'-DDT	6.181	6.079	6.279	55.790	50.000	11.6
Aldrin	4.366	4.265	4.465	55.750	50.000	11.5
alpha-BHC	3.390	3.290	3.490	55.700	50.000	11.4
alpha-Chlordane	5.188	5.086	5.286	55.640	50.000	11.3
beta-BHC	4.024	3.922	4.122	55.080	50.000	10.2
Decachlorobiphenyl	8.069	7.968	8.168	52.410	50.000	4.8
delta-BHC	4.260	4.159	4.359	55.910	50.000	11.8
Dieldrin	5.511	5.409	5.609	55.620	50.000	11.2
Endosulfan I	5.245	5.143	5.343	52.780	50.000	5.6
Endosulfan II	6.078	5.977	6.177	55.270	50.000	10.5
Endosulfan sulfate	6.480	6.378	6.578	53.770	50.000	7.5
Endrin	5.787	5.685	5.885	58.840	50.000	17.7
Endrin aldehyde	6.257	6.155	6.355	57.190	50.000	14.4
Endrin ketone	6.990	6.888	7.088	54.760	50.000	9.5
gamma-BHC (Lindane)	3.727	3.626	3.826	55.660	50.000	11.3
gamma-Chlordane	5.123	5.022	5.222	55.820	50.000	11.6
Heptachlor	4.080	3.979	4.179	53.790	50.000	7.6
Heptachlor epoxide	4.870	4.769	4.969	54.770	50.000	9.5
Methoxychlor	6.752	6.650	6.850	57.290	50.000	14.6
Tetrachloro-m-xylene	2.878	2.778	2.978	55.070	50.000	10.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
 Data File : PD089902.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Aug 2025 17:10
 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 14 17:57:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.555	2.878	112.3E6	872.2E6	45.524	55.069
2)	SA Decachlor...	9.078	8.069	157.2E6	1052.3E6	42.311	52.411
Target Compounds							
2)	A alpha-BHC	4.004	3.390	233.8E6	1353.8E6	47.189	55.700
3)	MA gamma-BHC...	4.335	3.727	224.8E6	1253.8E6	47.293	55.663
4)	MA Heptachlor	4.934	4.080	215.0E6	1248.3E6	44.693	53.786
5)	MB Aldrin	5.275	4.366	211.0E6	1240.5E6	46.214	55.753
6)	B beta-BHC	4.521	4.024	86363193	531.5E6	46.818	55.083
7)	B delta-BHC	4.770	4.260	209.8E6	1269.9E6	45.748	55.906
8)	B Heptachlo...	5.696	4.870	186.4E6	1125.6E6	44.579	54.773
9)	A Endosulfan I	6.079	5.245	177.0E6	1031.8E6	44.648	52.781
10)	B gamma-Chl...	5.951	5.123	188.5E6	1208.7E6	45.109	55.818
11)	B alpha-Chl...	6.032	5.188	188.5E6	1158.5E6	44.847	55.637
12)	B 4,4'-DDE	6.201	5.373	164.6E6	1170.9E6	44.142	55.394 #
13)	MA Dieldrin	6.352	5.511	187.6E6	1203.6E6	44.415	55.624 #
14)	MA Endrin	6.579	5.787	155.9E6	1172.4E6	43.580	58.840 #
15)	B Endosulfa...	6.791	6.078	159.7E6	1039.1E6	43.516	55.273 #
16)	A 4,4'-DDD	6.710	5.927	134.9E6	987.5E6	45.045	56.004
17)	MA 4,4'-DDT	7.026	6.181	140.6E6	1024.9E6	41.846	55.786 #
18)	B Endrin al...	6.920	6.257	112.9E6	738.9E6	45.246	57.186 #
19)	B Endosulfa...	7.154	6.480	147.6E6	998.2E6	42.547	53.765 #
20)	A Methoxychlor	7.498	6.752	78160105	561.2E6	43.714	57.290 #
21)	B Endrin ke...	7.635	6.990	156.9E6	1099.0E6	42.239	54.762 #
22)	Mirex	8.118	7.183	116.7E6	836.3E6	41.837	54.946 #

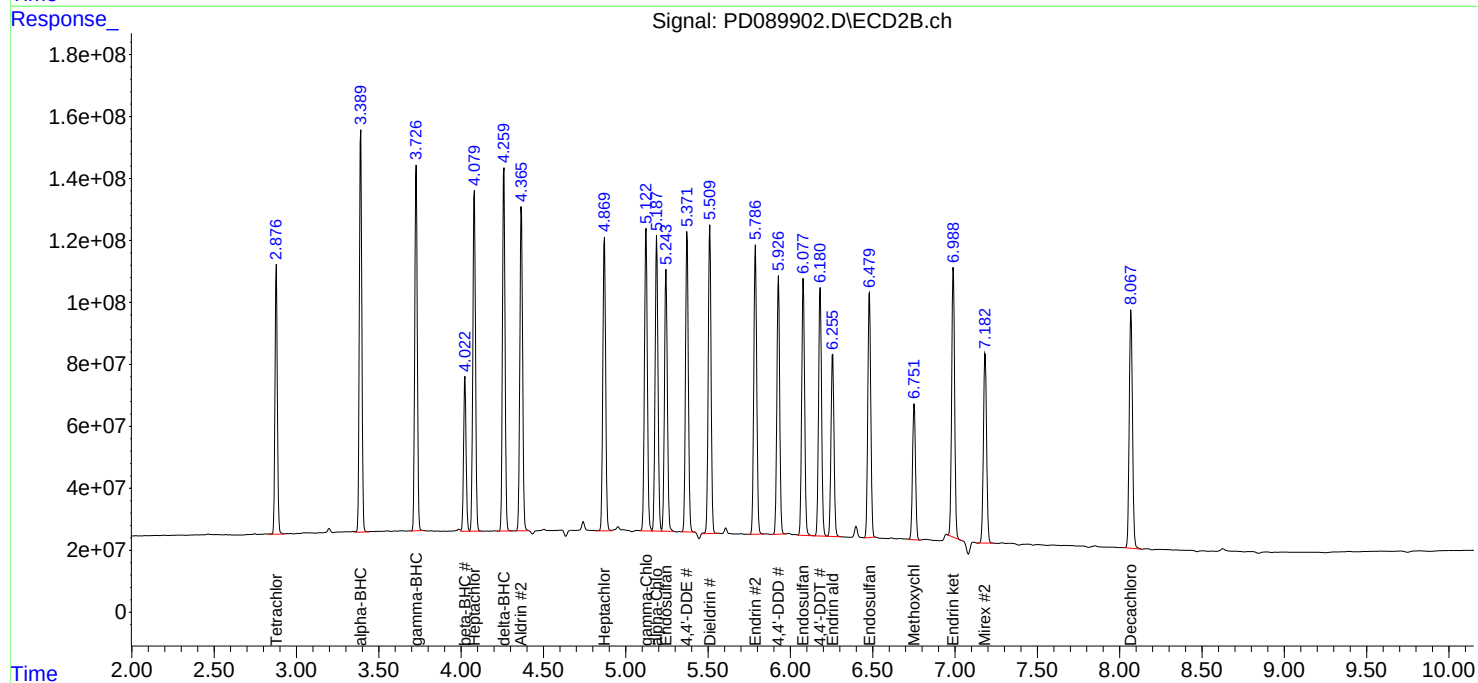
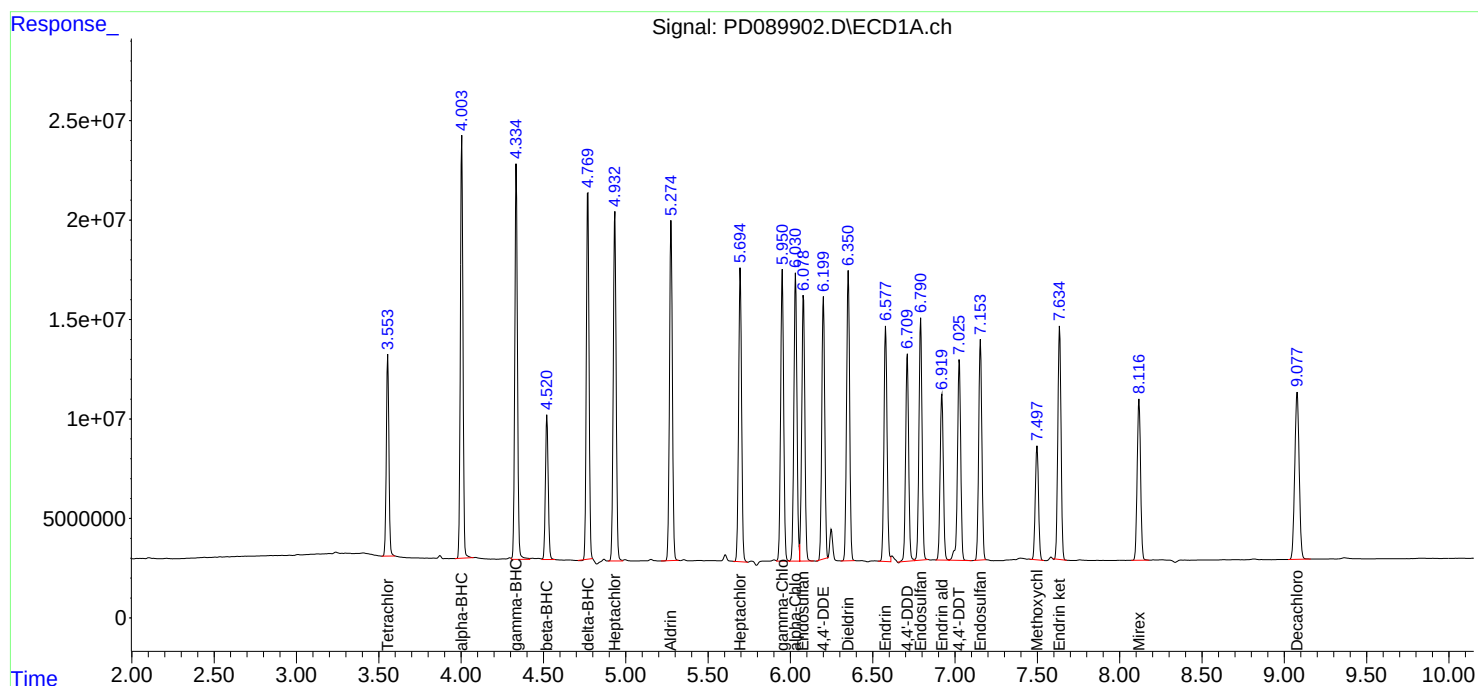
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 17:10
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 14 17:57:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

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

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

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

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

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

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

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

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

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

ENDRIN BREAK DOWN

Column #1

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

Column #2

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

DDT BREAK DOWN

Column #1

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

Column #2

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

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

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

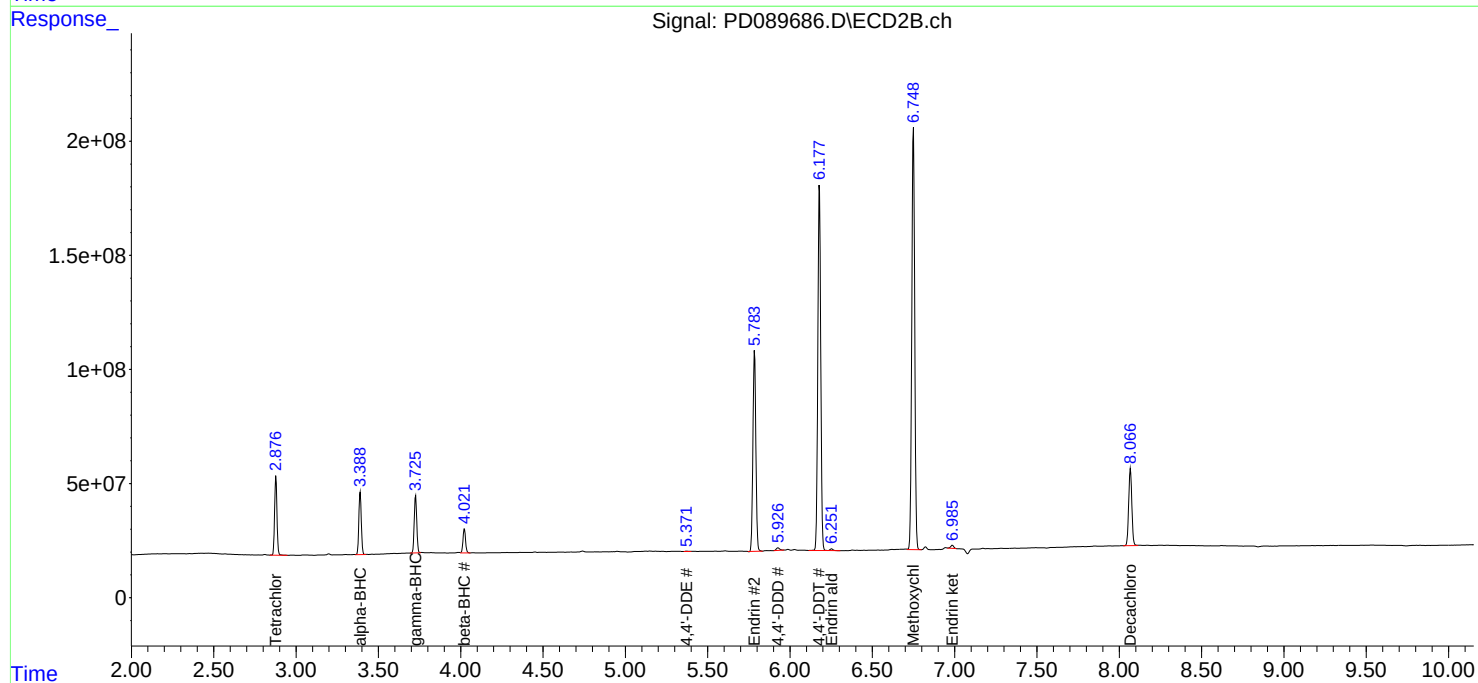
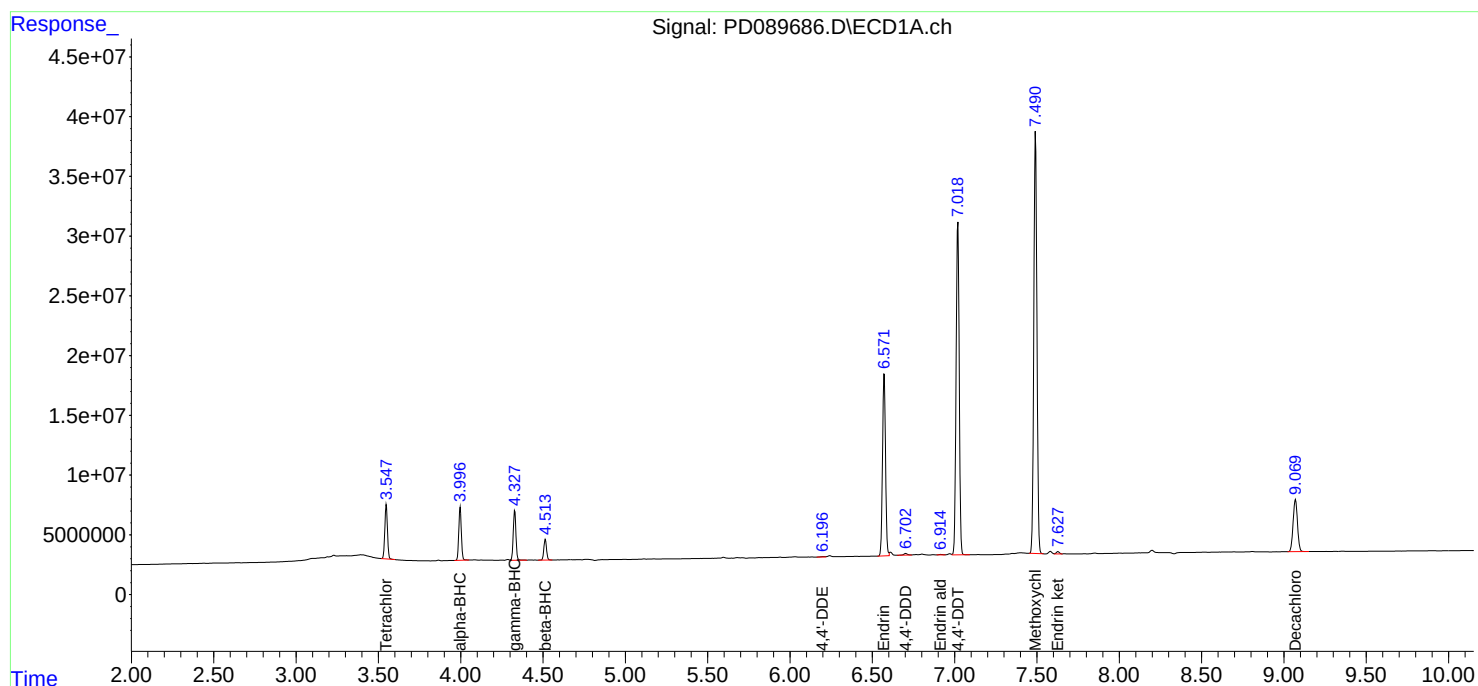
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

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

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

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

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

Client Sample No. (PEM): PEM - PD089863.D Date Analyzed: 08/12/2025

Lab Sample No.(PEM): PEM Time Analyzed: 15:35

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.068	8.970	9.170	17.650	20.000	-11.8
Tetrachloro-m-xylene	3.547	3.500	3.600	18.000	20.000	-10.0
alpha-BHC	3.996	3.950	4.050	8.560	10.000	-14.4
beta-BHC	4.513	4.460	4.560	9.760	10.000	-2.4
gamma-BHC (Lindane)	4.327	4.280	4.380	8.890	10.000	-11.1
Endrin	6.571	6.500	6.640	40.110	50.000	-19.8
4,4'-DDT	7.018	6.950	7.090	73.170	100.000	-26.8
Methoxychlor	7.490	7.420	7.560	169.820	250.000	-32.1

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

Client Sample No. (PEM): PEM - PD089863.D Date Analyzed: 08/12/2025

Lab Sample No.(PEM): PEM Time Analyzed: 15:35

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.066	7.970	8.170	20.690	20.000	3.5
Tetrachloro-m-xylene	2.877	2.830	2.930	22.610	20.000	13.1
alpha-BHC	3.388	3.340	3.440	11.930	10.000	19.3
beta-BHC	4.022	3.970	4.070	12.380	10.000	23.8
gamma-BHC (Lindane)	3.726	3.680	3.780	12.080	10.000	20.8
Endrin	5.785	5.710	5.860	51.450	50.000	2.9
4,4'-DDT	6.178	6.110	6.250	96.150	100.000	-3.9
Methoxychlor	6.748	6.680	6.820	198.010	250.000	-20.8

Data File: PEM
 PD089863.D Date Acquired 8/12/2025 15:35
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	143502037.5	156894307.9	13392270.5	8.54
Endrin aldehyde	6.91	2969066.221			
Endrin ketone	7.63	10423204.24			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1025090577	1165140340	140049763	12.02
Endrin aldehyde #2	6.25	25352424.57			
Endrin ketone #2	6.98	114697338.2			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	245866074.8	266918209.1	21052134.3	7.89
4,4'-DDE	6.19	533390.432			
4,4'-DDD	6.70	20518743.85			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1766614061	1907247447	140633386	7.37
4,4'-DDE #2	5.37	3521899			
4,4'-DDD #2	5.92	137111486.7			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
 Data File : PD089863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Aug 2025 15:35
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/13/2025
 Supervised By : mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 13 02:12:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.877	44394058	358.1E6	17.998	22.611 #
28)	SA Decachlor...	9.068	8.066	65592115	415.5E6	17.650	20.694
Target Compounds							
2)	A alpha-BHC	3.996	3.388	42420416	290.0E6	8.564	11.930m#
3)	MA gamma-BHC...	4.327	3.726	42271672	272.2E6	8.895	12.085 #
6)	B beta-BHC	4.513	4.022	18010174	119.4E6	9.763	12.376 #
12)	B 4,4'-DDE	6.192	5.370	533390	3521899	0.143	0.167m
14)	MA Endrin	6.571	5.785	143.5E6	1025.1E6	40.110	51.447 #
16)	A 4,4'-DDD	6.702	5.925	20518744	137.1E6	6.851	7.776
17)	MA 4,4'-DDT	7.018	6.178	245.9E6	1766.6E6	73.169	96.154 #
18)	B Endrin al...	6.912	6.254	2969066	25352425	1.190	1.962 #
20)	A Methoxychlor	7.490	6.748	303.6E6	1939.6E6	169.821	198.008
21)	B Endrin ke...	7.626	6.984	10423204	114.7E6	2.806m	5.715m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 15:35
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

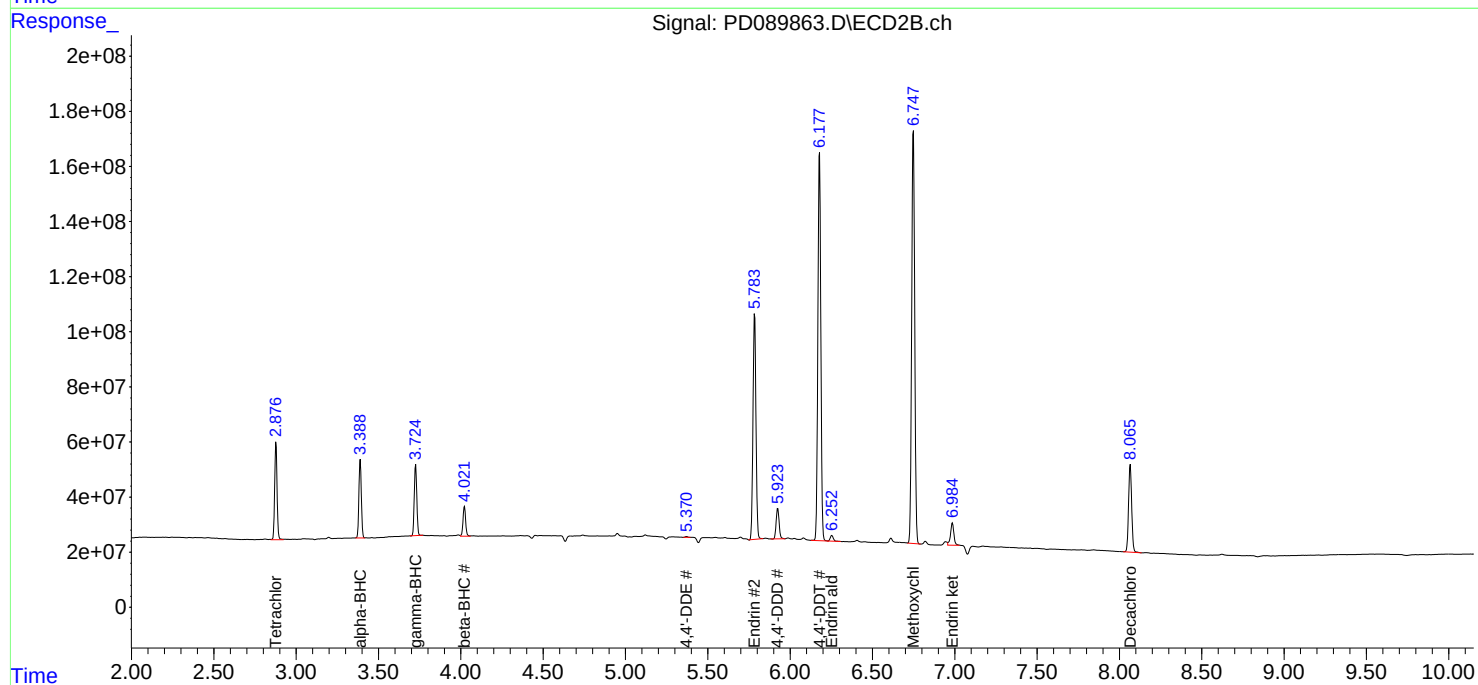
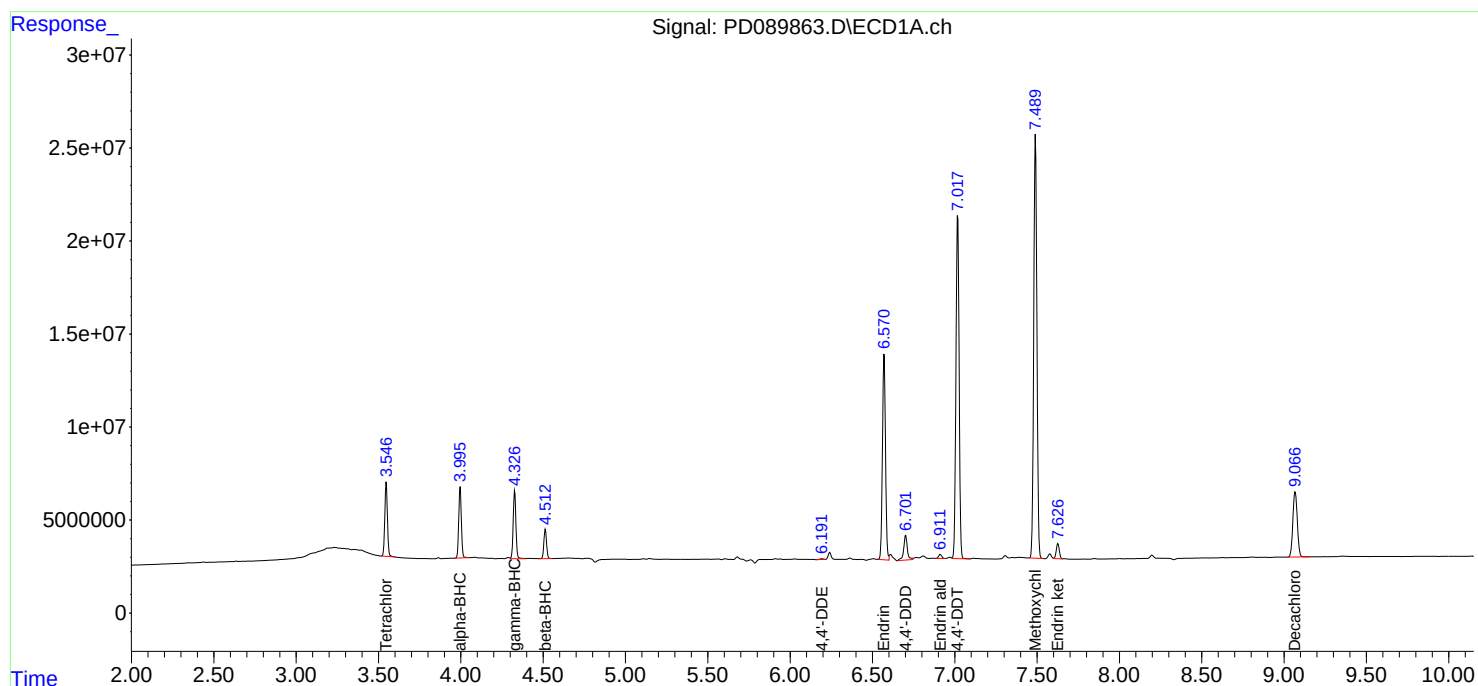
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/13/2025
Supervised By : mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

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

Client Sample No. (PEM): PEM - PD089889.D Date Analyzed: 08/14/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:19

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.070	8.970	9.170	17.540	20.000	-12.3
Tetrachloro-m-xylene	3.548	3.500	3.600	18.240	20.000	-8.8
alpha-BHC	3.997	3.950	4.050	8.750	10.000	-12.5
beta-BHC	4.515	4.460	4.570	9.960	10.000	-0.4
gamma-BHC (Lindane)	4.328	4.280	4.380	9.120	10.000	-8.8
Endrin	6.571	6.500	6.640	45.130	50.000	-9.7
4,4'-DDT	7.019	6.950	7.090	84.340	100.000	-15.7
Methoxychlor	7.491	7.420	7.560	194.610	250.000	-22.2

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

Client Sample No. (PEM): PEM - PD089889.D Date Analyzed: 08/14/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:19

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.066	7.970	8.170	21.720	20.000	8.6
Tetrachloro-m-xylene	2.878	2.830	2.930	23.080	20.000	15.4
alpha-BHC	3.389	3.340	3.440	12.320	10.000	23.2
beta-BHC	4.022	3.970	4.070	12.430	10.000	24.3
gamma-BHC (Lindane)	3.726	3.680	3.780	12.470	10.000	24.7
Endrin	5.785	5.710	5.860	56.800	50.000	13.6
4,4'-DDT	6.178	6.110	6.250	110.160	100.000	10.2
Methoxychlor	6.749	6.680	6.820	219.220	250.000	-12.3

PEM
 Data File: PD089889.D Date Acquired 8/14/2025 12:19
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	161454406	165075043	3620637.03	2.19
Endrin aldehyde	6.91	939247.186			
Endrin ketone	7.63	2681389.842			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1131810203	1165767099	33956895.3	2.91
Endrin aldehyde #2	6.25	11826720.69			
Endrin ketone #2	6.99	22130174.59			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	283407817.5	285821667.9	2413850.41	0.84
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	2413850.411			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2023846116	2048971665	25125548.3	1.23
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	25125548.26			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
 Data File : PD089889.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Aug 2025 12:19
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/15/2025
 Supervised By : mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 14 13:54:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	44987226	365.5E6	18.239	23.079 #
28)	SA Decachlor...	9.070	8.066	65193590	436.2E6	17.543	21.723
Target Compounds							
2)	A alpha-BHC	3.997	3.389	43353836	299.5E6	8.752	12.322m#
3)	MA gamma-BHC...	4.328	3.726	43356268	280.9E6	9.123	12.473 #
6)	B beta-BHC	4.515	4.022	18379276	120.0E6	9.963	12.433
14)	MA Endrin	6.571	5.785	161.5E6	1131.8E6	45.128	56.803 #
16)	A 4,4'-DDD	6.702	5.926	2413850	25125548	0.806m	1.425 #
17)	MA 4,4'-DDT	7.019	6.178	283.4E6	2023.8E6	84.341	110.155 #
18)	B Endrin al...	6.915	6.251	939247	11826721	0.376	0.915m#
20)	A Methoxychlor	7.491	6.749	348.0E6	2147.3E6	194.610	219.216
21)	B Endrin ke...	7.627	6.986	2681390	22130175	0.722m	1.103m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:19
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

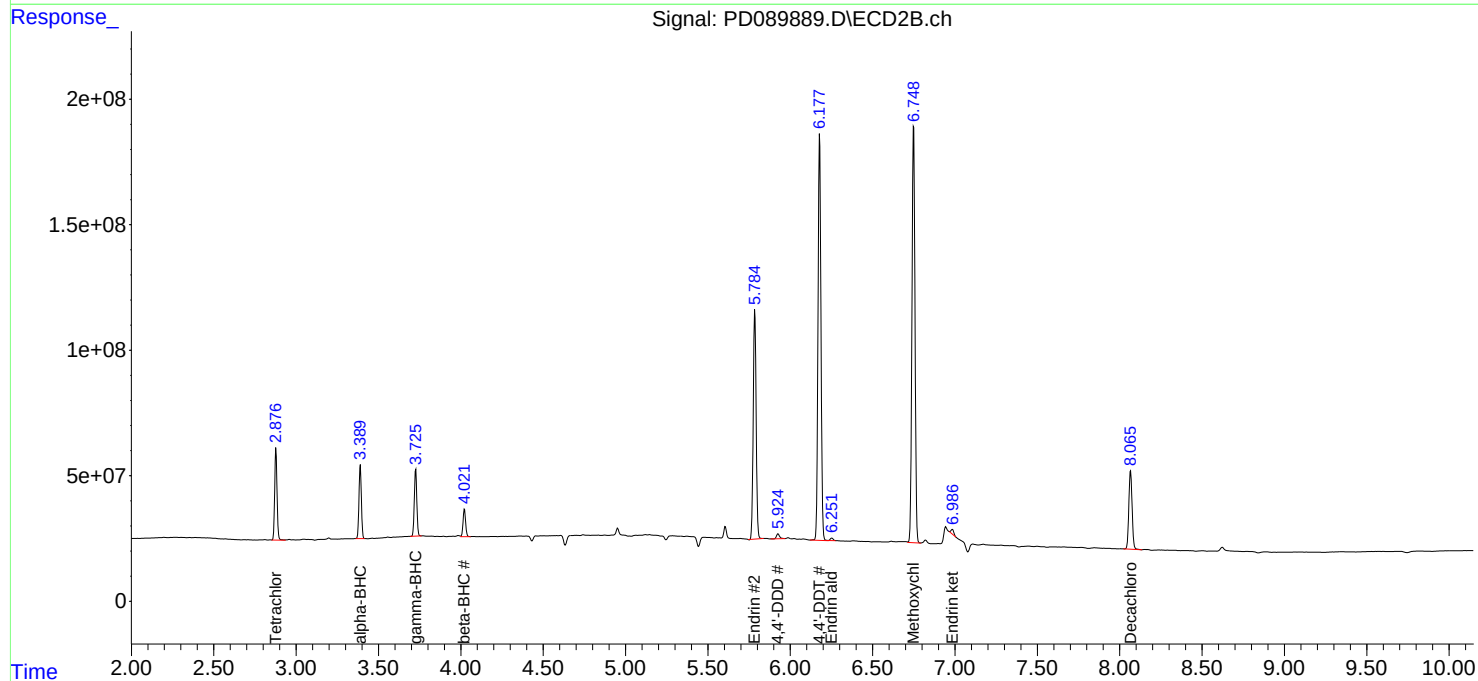
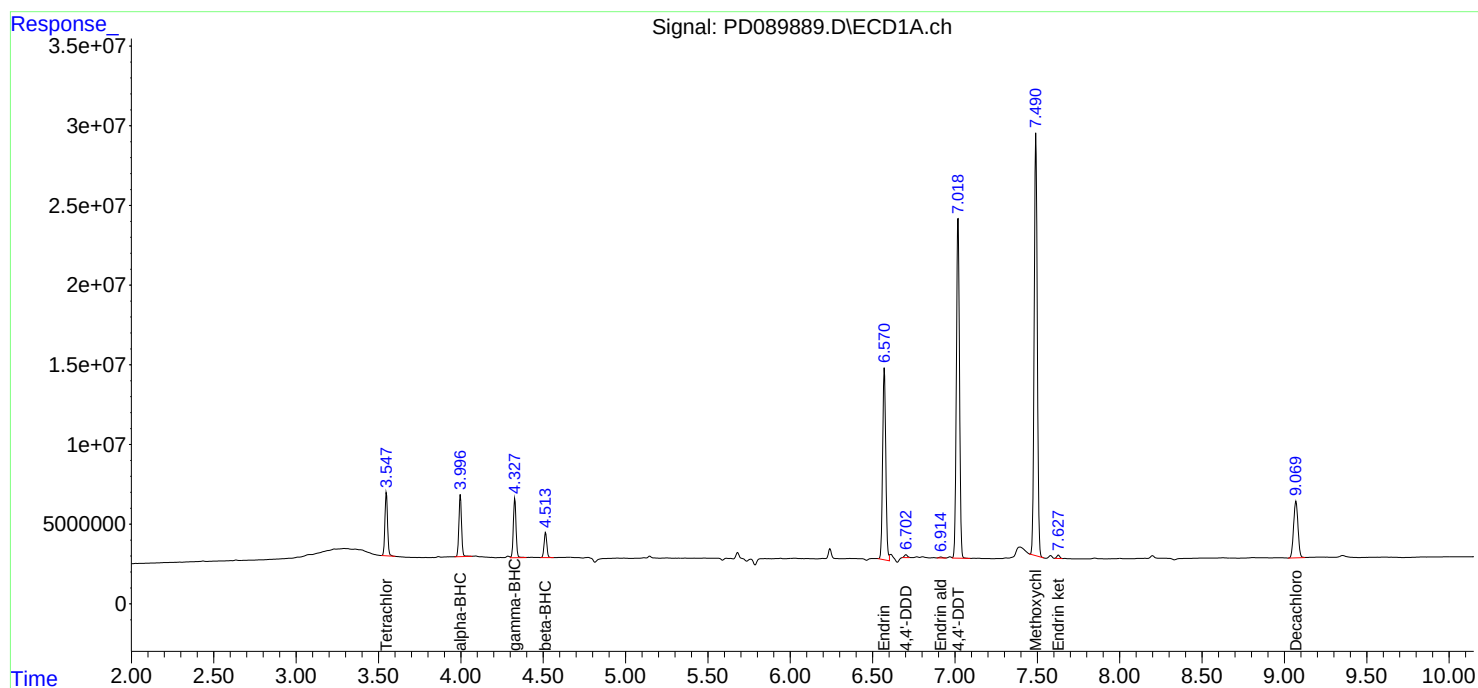
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/15/2025
Supervised By : mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:54:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089687.D
Acq On : 31 Jul 2025 11:34
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Title : GC Extractables
Last Update : Fri Aug 01 07:03:58 2025
Integrator: ChemStation

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

Signal #2

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

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

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

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

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

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

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

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

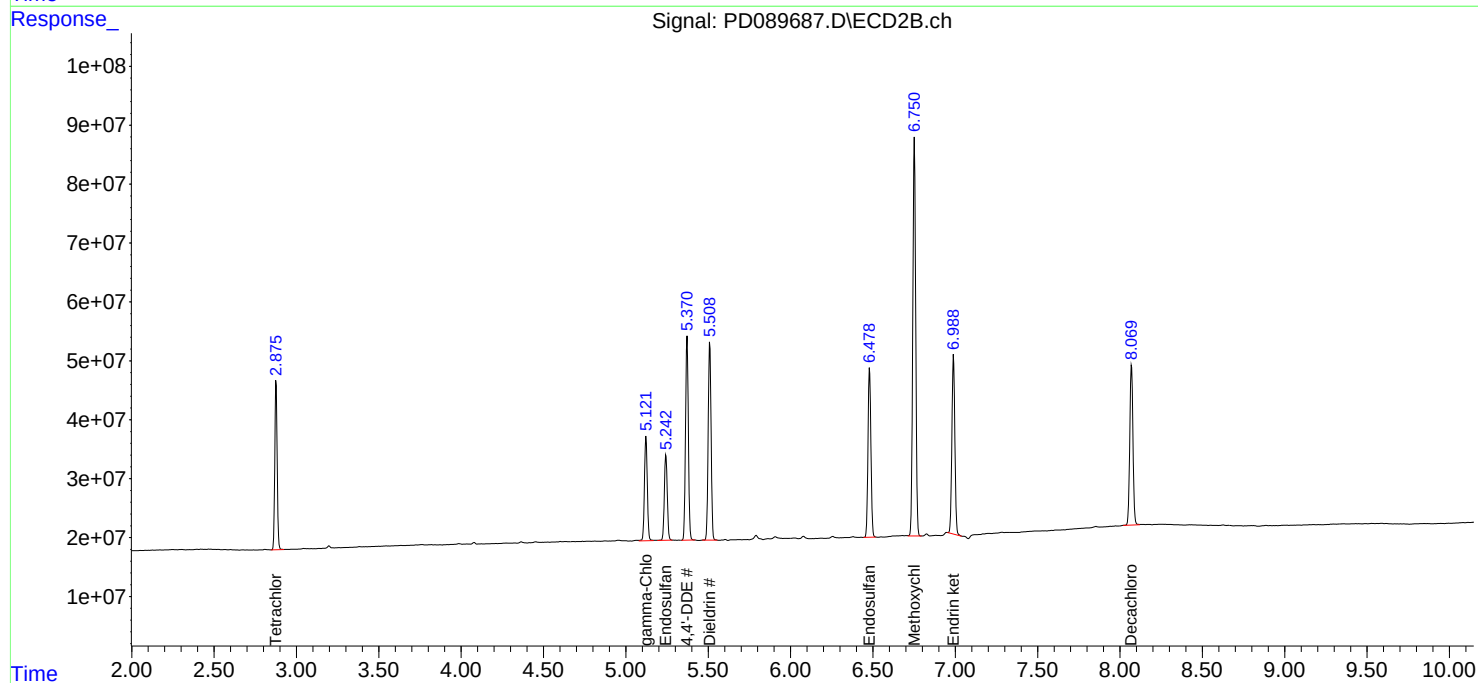
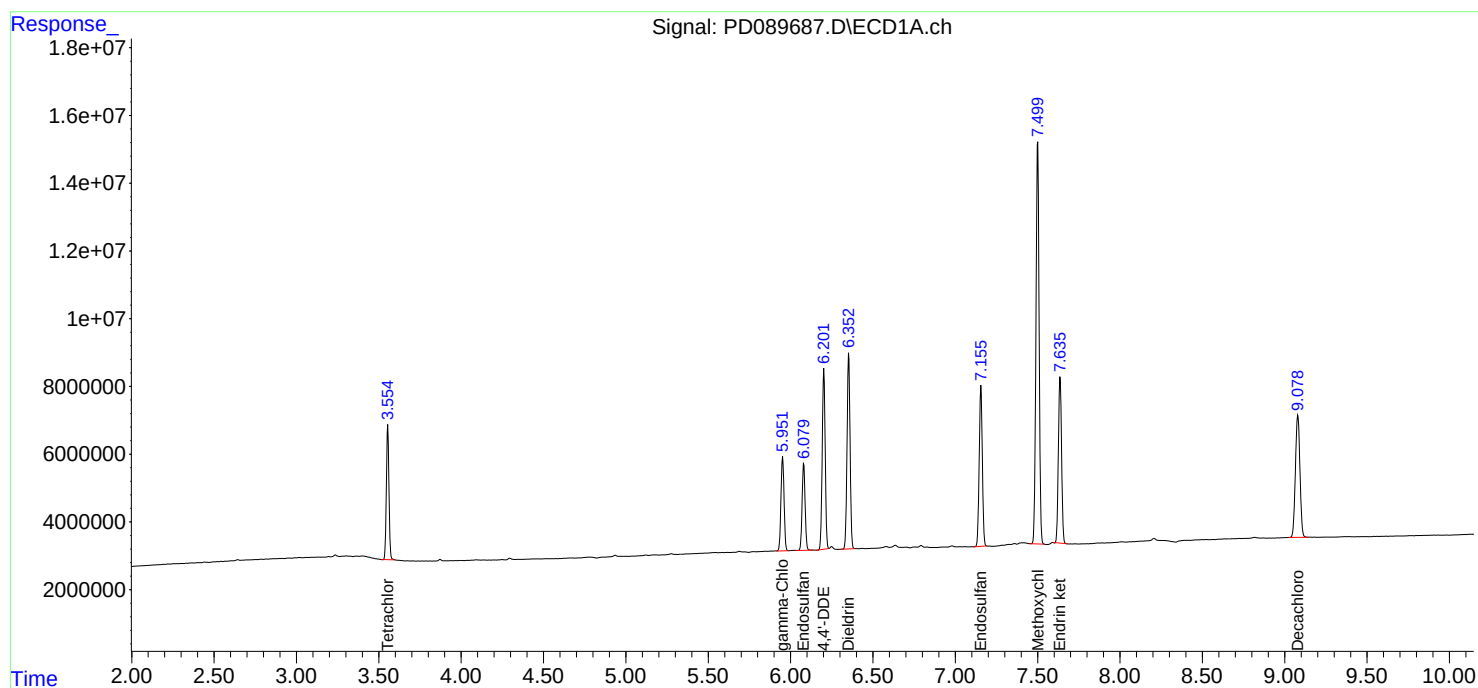
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

Instrument :
ECD_D
ClientSampleId :
RESCHK

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

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



Analytical Sequence

Client: Earth Engineering Inc.

SDG No.: Q2818

Project: Reserve Turgyan Farms

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/31/2025

07/31/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/31/2025	10:33	PD089685.D	9.08	3.56
PEM	PEM	07/31/2025	10:47	PD089686.D	9.07	3.55
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	9.08	3.56
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	9.07	3.55
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	9.07	3.55
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	9.07	3.55
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	9.07	3.55
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	9.07	3.55
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	9.07	3.55
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	9.07	3.55
IBLK	IBLK	08/12/2025	15:22	PD089862.D	9.07	3.55
PEM	PEM	08/12/2025	15:35	PD089863.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/12/2025	16:05	PD089864.D	9.07	3.55
PB169206BL	PB169206BL	08/12/2025	16:33	PD089865.D	9.07	3.55
PB169206BS	PB169206BS	08/12/2025	16:47	PD089866.D	9.07	3.55
B-2-5-1	Q2818-01	08/12/2025	17:00	PD089867.D	9.07	3.55
B-3-5-2	Q2818-02	08/12/2025	17:14	PD089868.D	9.07	3.55
IBLK	IBLK	08/12/2025	18:50	PD089875.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/12/2025	20:12	PD089876.D	9.07	3.55
IBLK	IBLK	08/14/2025	12:05	PD089888.D	9.07	3.55
PEM	PEM	08/14/2025	12:19	PD089889.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/14/2025	12:52	PD089890.D	9.08	3.55
17M-WMS	Q2819-14MS	08/14/2025	14:14	PD089894.D	9.07	3.55
17M-WMSD	Q2819-14MSD	08/14/2025	14:28	PD089895.D	9.07	3.55
IBLK	IBLK	08/14/2025	15:50	PD089901.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/14/2025	17:10	PD089902.D	9.08	3.56

Analytical Sequence

Client: Earth Engineering Inc.

SDG No.: Q2818

Project: Reserve Turgyan Farms

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/31/2025

07/31/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/31/2025	10:33	PD089685.D	8.07	2.88
PEM	PEM	07/31/2025	10:47	PD089686.D	8.07	2.88
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	8.07	2.88
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	8.07	2.88
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	8.07	2.88
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	8.07	2.88
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	8.07	2.88
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	8.07	2.88
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	8.07	2.88
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	8.07	2.88
IBLK	IBLK	08/12/2025	15:22	PD089862.D	8.07	2.88
PEM	PEM	08/12/2025	15:35	PD089863.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/12/2025	16:05	PD089864.D	8.07	2.88
PB169206BL	PB169206BL	08/12/2025	16:33	PD089865.D	8.07	2.88
PB169206BS	PB169206BS	08/12/2025	16:47	PD089866.D	8.07	2.88
B-2-5-1	Q2818-01	08/12/2025	17:00	PD089867.D	8.06	2.88
B-3-5-2	Q2818-02	08/12/2025	17:14	PD089868.D	8.06	2.88
IBLK	IBLK	08/12/2025	18:50	PD089875.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/12/2025	20:12	PD089876.D	8.07	2.88
IBLK	IBLK	08/14/2025	12:05	PD089888.D	8.07	2.88
PEM	PEM	08/14/2025	12:19	PD089889.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/14/2025	12:52	PD089890.D	8.07	2.88
17M-WMS	Q2819-14MS	08/14/2025	14:14	PD089894.D	8.07	2.88
17M-WMSD	Q2819-14MSD	08/14/2025	14:28	PD089895.D	8.07	2.88
IBLK	IBLK	08/14/2025	15:50	PD089901.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/14/2025	17:10	PD089902.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMS

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Lab Sample ID: Q2819-14MS

Date(s) Analyzed: 08/14/2025 08/14/2025

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	6.79	6.74	6.84	21.8	128.4
	2	6.08	6.03	6.13	100	
4,4'-DDD	1	6.70	6.65	6.75	16.3	4.4
	2	5.93	5.88	5.98	15.6	
4,4'-DDT	1	7.02	6.97	7.07	23.7	30.4
	2	6.18	6.13	6.23	32.2	
Endosulfan sulfate	1	7.15	7.10	7.20	20.3	4.8
	2	6.48	6.43	6.53	21.3	
alpha-BHC	1	4.00	3.95	4.05	20.0	13.1
	2	3.39	3.34	3.44	22.8	
Aldrin	1	5.26	5.21	5.31	14.7	55.2
	2	4.37	4.32	4.42	25.9	
beta-BHC	1	4.52	4.47	4.57	19.1	17.7
	2	4.02	3.97	4.07	22.8	
delta-BHC	1	4.76	4.71	4.81	19.3	18.8
	2	4.26	4.21	4.31	23.3	
Endosulfan I	1	6.07	6.02	6.12	19.2	21
	2	5.24	5.19	5.29	23.7	
alpha-Chlordane	1	6.03	5.98	6.08	384	50.2
	2	5.18	5.13	5.23	230	
4,4'-DDE	1	6.19	6.14	6.24	30.5	15.2
	2	5.37	5.32	5.42	26.2	
Dieldrin	1	6.35	6.30	6.40	20.3	19.6
	2	5.51	5.46	5.56	24.7	
Endrin aldehyde	1	6.91	6.86	6.96	21.1	8.2
	2	6.26	6.21	6.31	22.9	
Methoxychlor	1	7.49	7.44	7.54	14.6	27.2
	2	6.75	6.70	6.80	19.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMS

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Lab Sample ID: Q2819-14MS

Date(s) Analyzed: 08/14/2025 08/14/2025

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	16.5	24
	2	6.99	6.94	7.04	21.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.3	17.1
	2	3.73	3.68	3.78	22.9	
Heptachlor	1	4.93	4.88	4.98	19.2	13.6
	2	4.08	4.03	4.13	22.0	
Heptachlor epoxide	1	5.68	5.63	5.73	26.6	16.6
	2	4.87	4.82	4.92	31.4	
gamma-Chlordane	1	5.94	5.89	5.99	327	49.6
	2	5.13	5.08	5.18	197	
Endrin	1	6.57	6.52	6.62	16.9	68.2
	2	5.79	5.74	5.84	34.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMSD

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Lab Sample ID: Q2819-14MSD

Date(s) Analyzed: 08/14/2025 08/14/2025

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		
Aldrin	1	5.26	5.21	5.31	24.7	4
	2	4.37	4.32	4.42	25.7	
beta-BHC	1	4.52	4.47	4.57	19.0	18.2
	2	4.02	3.97	4.07	22.8	
delta-BHC	1	4.76	4.71	4.81	19.5	18.6
	2	4.26	4.21	4.31	23.5	
Heptachlor epoxide	1	5.68	5.63	5.73	28.8	8
	2	4.87	4.82	4.92	31.2	
Endosulfan I	1	6.07	6.02	6.12	19.1	17.7
	2	5.24	5.19	5.29	16.0	
gamma-Chlordane	1	5.95	5.90	6.00	325	50
	2	5.13	5.08	5.18	195	
alpha-Chlordane	1	6.03	5.98	6.08	383	49.5
	2	5.18	5.13	5.23	231	
4,4'-DDE	1	6.19	6.14	6.24	30.1	15.8
	2	5.37	5.32	5.42	25.7	
Dieldrin	1	6.35	6.30	6.40	20.3	19.6
	2	5.51	5.46	5.56	24.7	
Endrin	1	6.57	6.52	6.62	15.3	76.6
	2	5.79	5.74	5.84	34.3	
Endosulfan II	1	6.79	6.74	6.84	21.7	129.3
	2	6.09	6.04	6.14	101	
4,4'-DDD	1	6.70	6.65	6.75	16.8	35.3
	2	5.92	5.87	5.97	24.0	
4,4'-DDT	1	7.02	6.97	7.07	24.7	29.7
	2	6.18	6.13	6.23	33.3	
Endrin aldehyde	1	6.91	6.86	6.96	22.2	6.5
	2	6.26	6.21	6.31	23.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMSD

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Lab Sample ID: Q2819-14MSD

Date(s) Analyzed: 08/14/2025 08/14/2025

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 sulfate	1	7.15	7.10	7.20	20.4	6.6
	2	6.48	6.43	6.53	21.8	
Methoxychlor	1	7.49	7.44	7.54	17.3	16.9
	2	6.75	6.70	6.80	20.5	
Endrin ketone	1	7.63	7.58	7.68	17.0	23.8
	2	6.99	6.94	7.04	21.6	
alpha-BHC	1	4.00	3.95	4.05	19.9	13.1
	2	3.39	3.34	3.44	22.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.2	18
	2	3.73	3.68	3.78	23.0	
Heptachlor	1	4.93	4.88	4.98	19.9	14
	2	4.08	4.03	4.13	22.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-2-5-1

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Lab Sample ID: Q2818-01

Date(s) Analyzed: 08/12/2025 08/12/2025

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	6.71	6.66	6.76	0.43	54
	2	5.92	5.87	5.97	0.25	
gamma-Chlordane	1	5.94	5.89	5.99	0.23	25.9
	2	5.12	5.07	5.17	0.18	
alpha-Chlordane	1	6.03	5.98	6.08	0.31	22
	2	5.18	5.13	5.23	0.38	
4,4'-DDE	1	6.19	6.14	6.24	0.86	48.3
	2	5.37	5.32	5.42	1.40	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-3-5-2

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Lab Sample ID: Q2818-02

Date(s) Analyzed: 08/12/2025 08/12/2025

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		
alpha-Chlordane	1	6.03	5.98	6.08	0.47	55.3
	2	5.19	5.14	5.24	0.84	
4,4'-DDE	1	6.19	6.14	6.24	0.92	53.7
	2	5.37	5.32	5.42	1.60	
Methoxychlor	1	7.49	7.44	7.54	2.20	148.2
	2	6.75	6.70	6.80	14.8	
Dieldrin	1	6.34	6.29	6.39	1.40	106.7
	2	5.51	5.46	5.56	4.60	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169206BS

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Lab Sample ID: PB169206BS

Date(s) Analyzed: 08/12/2025 08/12/2025

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	16.1	22.1
	2	5.92	5.87	5.97	20.1	
4,4'-DDE	1	6.19	6.14	6.24	15.5	19.8
	2	5.37	5.32	5.42	18.9	
4,4'-DDT	1	7.02	6.97	7.07	13.0	26.1
	2	6.18	6.13	6.23	16.9	
alpha-BHC	1	4.00	3.95	4.05	15.8	16.8
	2	3.39	3.34	3.44	18.7	
Aldrin	1	5.27	5.22	5.32	15.7	18
	2	4.36	4.31	4.41	18.8	
alpha-Chlordane	1	6.02	5.97	6.07	15.4	20.4
	2	5.19	5.14	5.24	18.9	
Endosulfan II	1	6.78	6.73	6.83	15.0	22.5
	2	6.08	6.03	6.13	18.8	
Endosulfan sulfate	1	7.15	7.10	7.20	14.8	21.1
	2	6.48	6.43	6.53	18.3	
beta-BHC	1	4.51	4.46	4.56	15.6	18.1
	2	4.02	3.97	4.07	18.7	
delta-BHC	1	4.76	4.71	4.81	16.1	16
	2	4.26	4.21	4.31	18.9	
Endosulfan I	1	6.07	6.02	6.12	15.4	19.4
	2	5.24	5.19	5.29	18.7	
Dieldrin	1	6.34	6.29	6.39	15.3	20.5
	2	5.51	5.46	5.56	18.8	
Endrin aldehyde	1	6.91	6.86	6.96	16.4	21.3
	2	6.25	6.20	6.30	20.3	
Methoxychlor	1	7.49	7.44	7.54	12.5	25.8
	2	6.75	6.70	6.80	16.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169206BS

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2818

Lab Sample ID: PB169206BS

Date(s) Analyzed: 08/12/2025 08/12/2025

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	15.3	24.1
	2	6.99	6.94	7.04	19.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.7	17.4
	2	3.73	3.68	3.78	18.7	
Heptachlor	1	4.93	4.88	4.98	14.7	18.5
	2	4.08	4.03	4.13	17.7	
Heptachlor epoxide	1	5.69	5.64	5.74	15.4	18.8
	2	4.87	4.82	4.92	18.6	
gamma-Chlordane	1	5.94	5.89	5.99	15.5	19.8
	2	5.12	5.07	5.17	18.9	
Endrin	1	6.57	6.52	6.62	13.5	21.2
	2	5.78	5.73	5.83	16.7	



QC SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	Reserve Turgyan Farms		Date Received:		
Client Sample ID:	PB169206BL		SDG No.:	Q2818	
Lab Sample ID:	PB169206BL		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
PD089865.D	1	08/12/25 08:16	08/12/25 16:33	PB169206

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	22.7		20 - 144	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.0		19 - 148	120%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BL	SDG No.:	Q2818
Lab Sample ID:	PB169206BL	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
PD089865.D	1	08/12/25 08:16	08/12/25 16:33	PB169206

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\PD081325\
 Data File : PD089865.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Aug 2025 16:33
 Operator : AR\AJ
 Sample : PB169206BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169206BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 13 02:12:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	46236397	379.5E6	18.745	23.962 #
28)	SA Decachlor...	9.068	8.065	71933652	455.6E6	19.356	22.693

Target Compounds

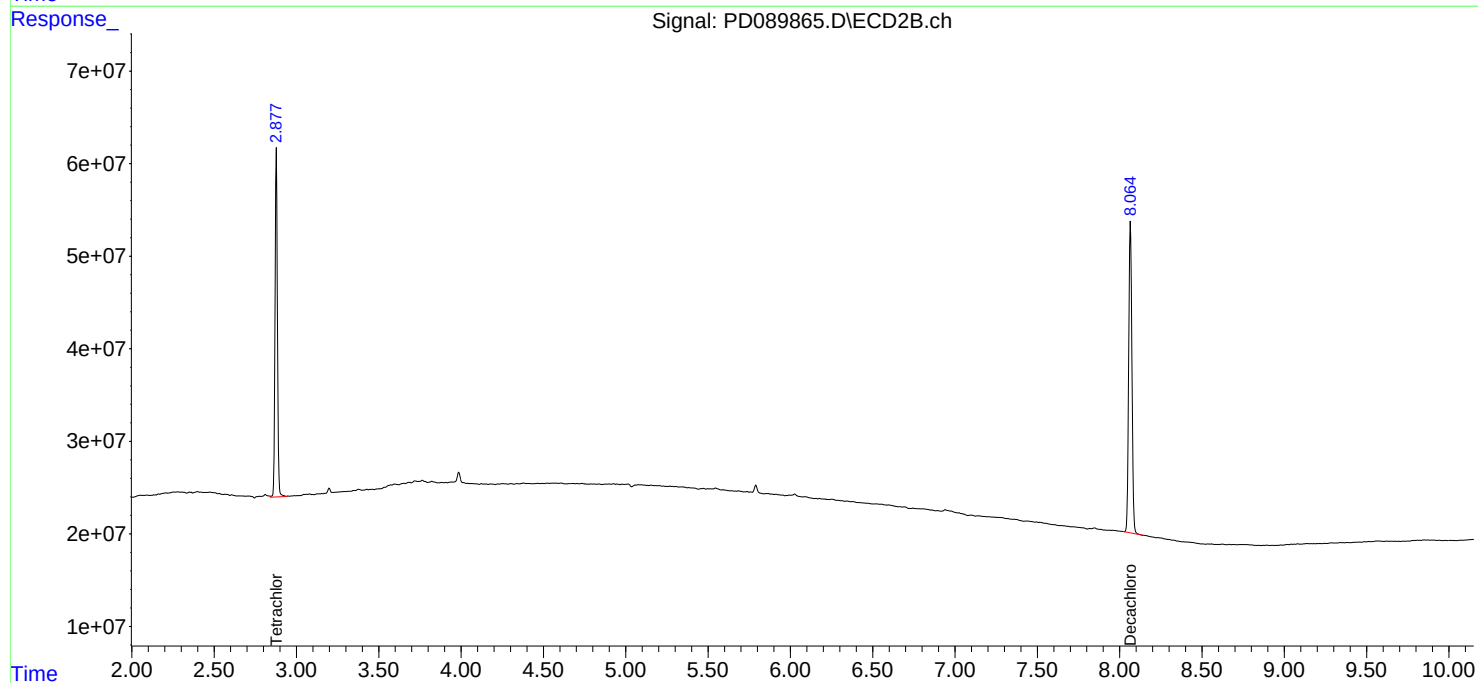
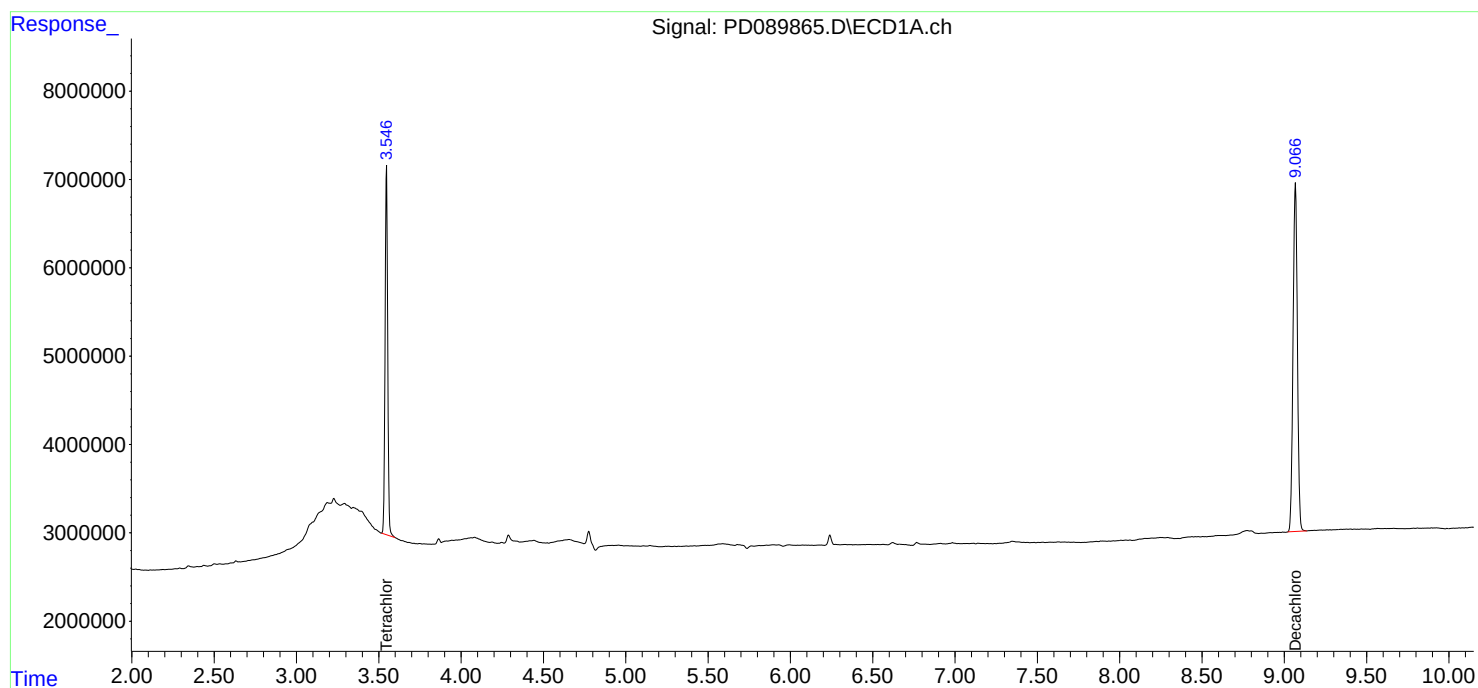
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

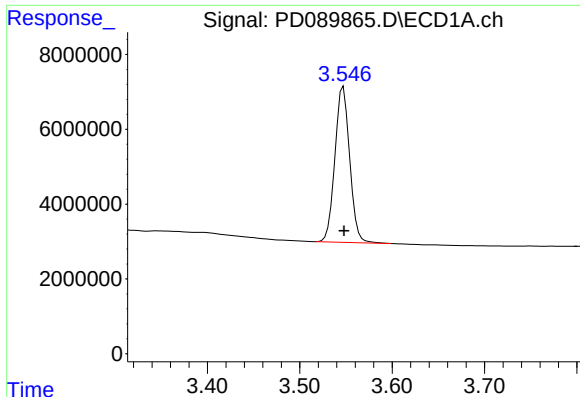
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:33
Operator : AR\AJ
Sample : PB169206BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

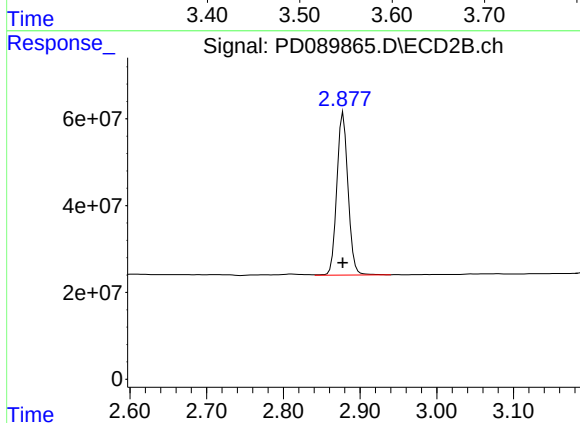




#1 Tetrachloro-m-xylene

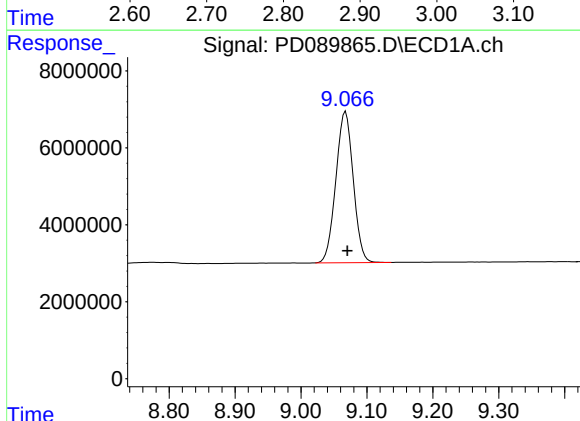
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 46236397
Conc: 18.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BL



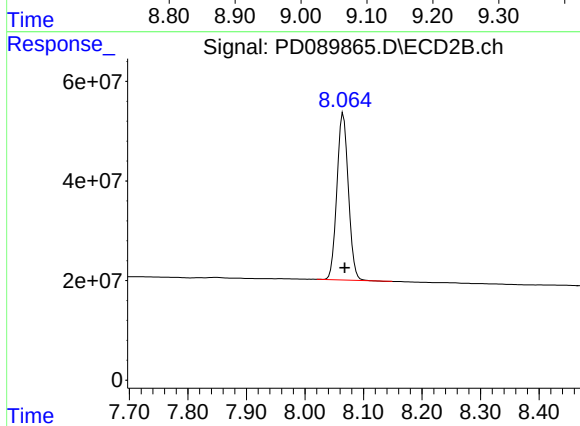
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 379502688
Conc: 23.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 71933652
Conc: 19.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 455636513
Conc: 22.69 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/31/25
Project:	Reserve Turgyan Farms	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089685.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
PD089685.D	1		07/31/25	pd073125

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	20.9		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		61 - 148	102%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/31/25	
Project:	Reserve Turgyan Farms		Date Received:	07/31/25	
Client Sample ID:	PIBLK-PD089685.D		SDG No.:	Q2818	
Lab Sample ID:	I.BLK-PD089685.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
PD089685.D	1		07/31/25	pd073125

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

Instrument :
ECD_D
ClientSampleId :
I.BLK

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

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

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

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

Target Compounds

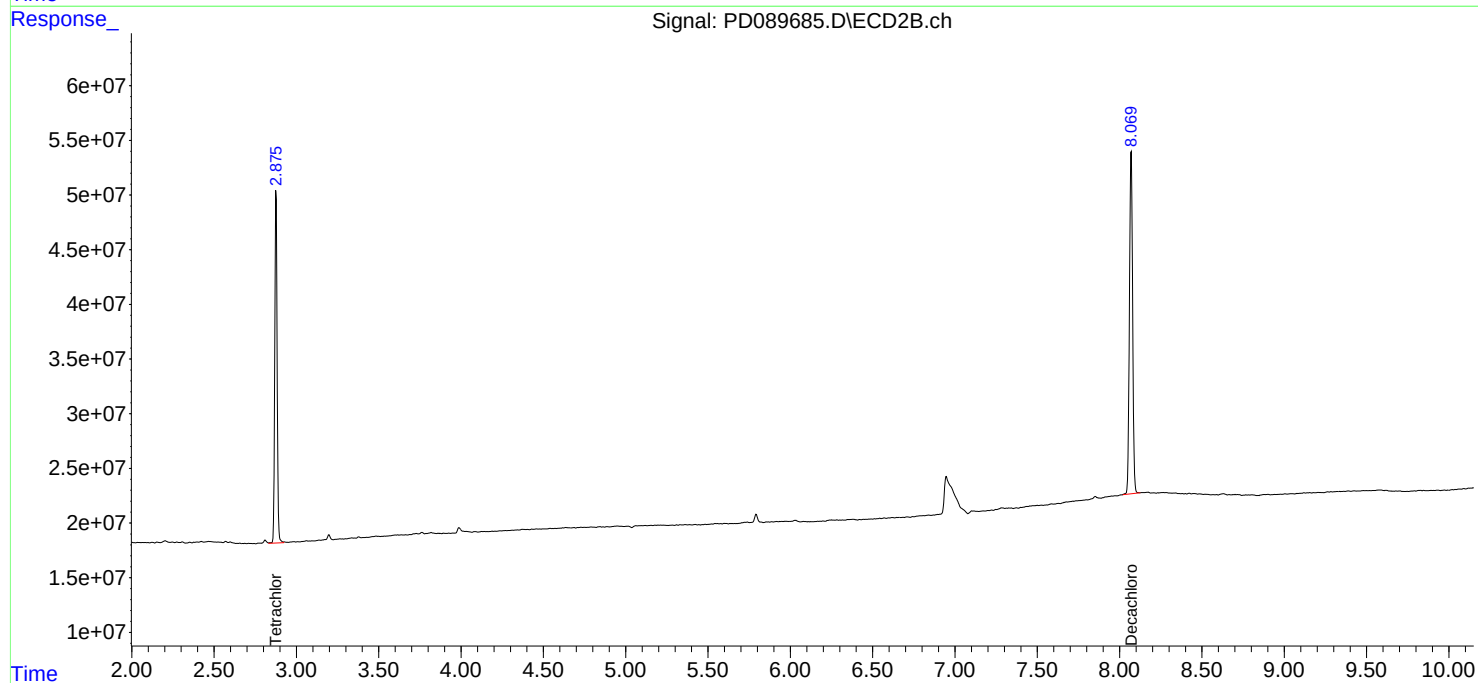
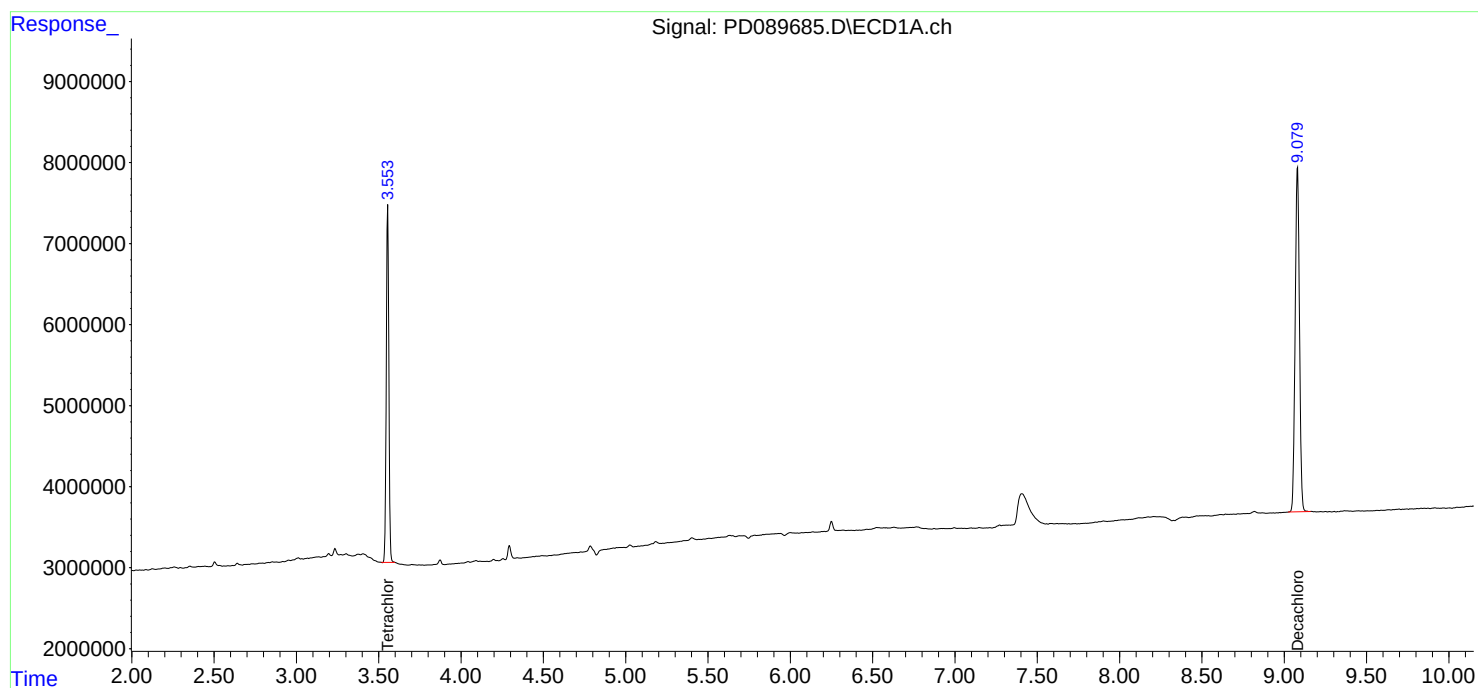
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

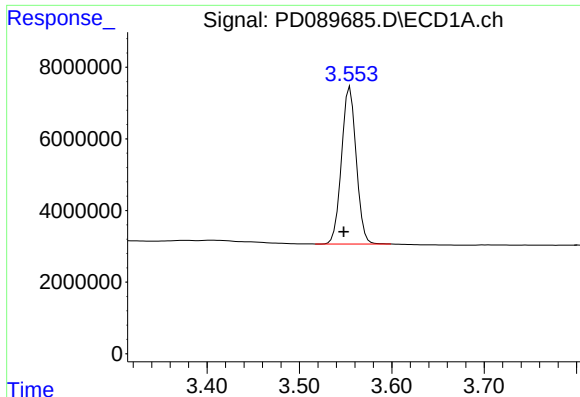
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
Data File : PD089685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

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

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

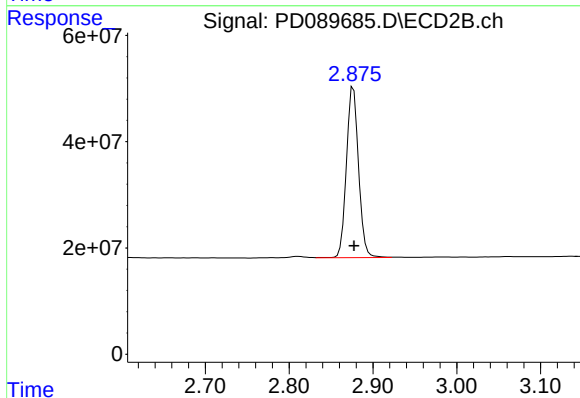




#1 Tetrachloro-m-xylene

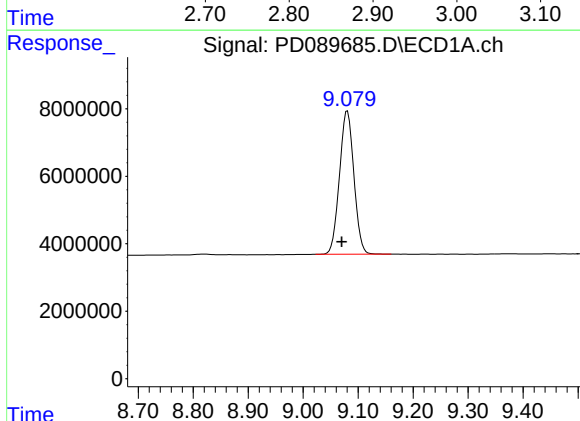
R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 48438502
Conc: 19.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



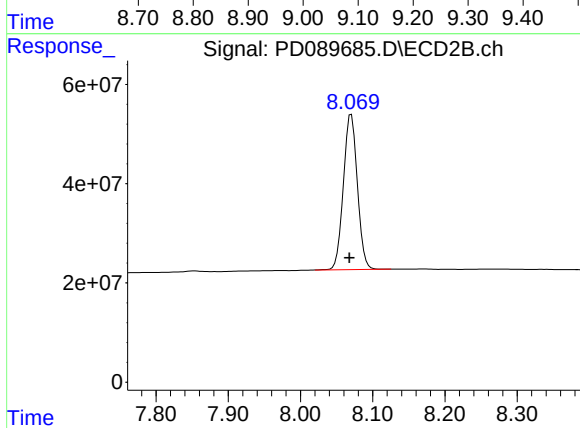
#1 Tetrachloro-m-xylene

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



#28 Decachlorobiphenyl

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



#28 Decachlorobiphenyl

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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	08/12/25	
Project:	Reserve Turgyan Farms		Date Received:	08/12/25	
Client Sample ID:	PIBLK-PD089862.D		SDG No.:	Q2818	
Lab Sample ID:	I.BLK-PD089862.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
PD089862.D	1		08/12/25	pd081325

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	23.5		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1		61 - 148	125%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	08/12/25	
Project:	Reserve Turgyan Farms		Date Received:	08/12/25	
Client Sample ID:	PIBLK-PD089862.D		SDG No.:	Q2818	
Lab Sample ID:	I.BLK-PD089862.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
PD089862.D	1		08/12/25	pd081325

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\PD081325\
 Data File : PD089862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Aug 2025 15:22
 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 13 02:12:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.553	2.877	49387823	397.0E6	20.023	25.065 #
28)	SA Decachlor...	9.074	8.069	75302628	471.3E6	20.263	23.472

Target Compounds

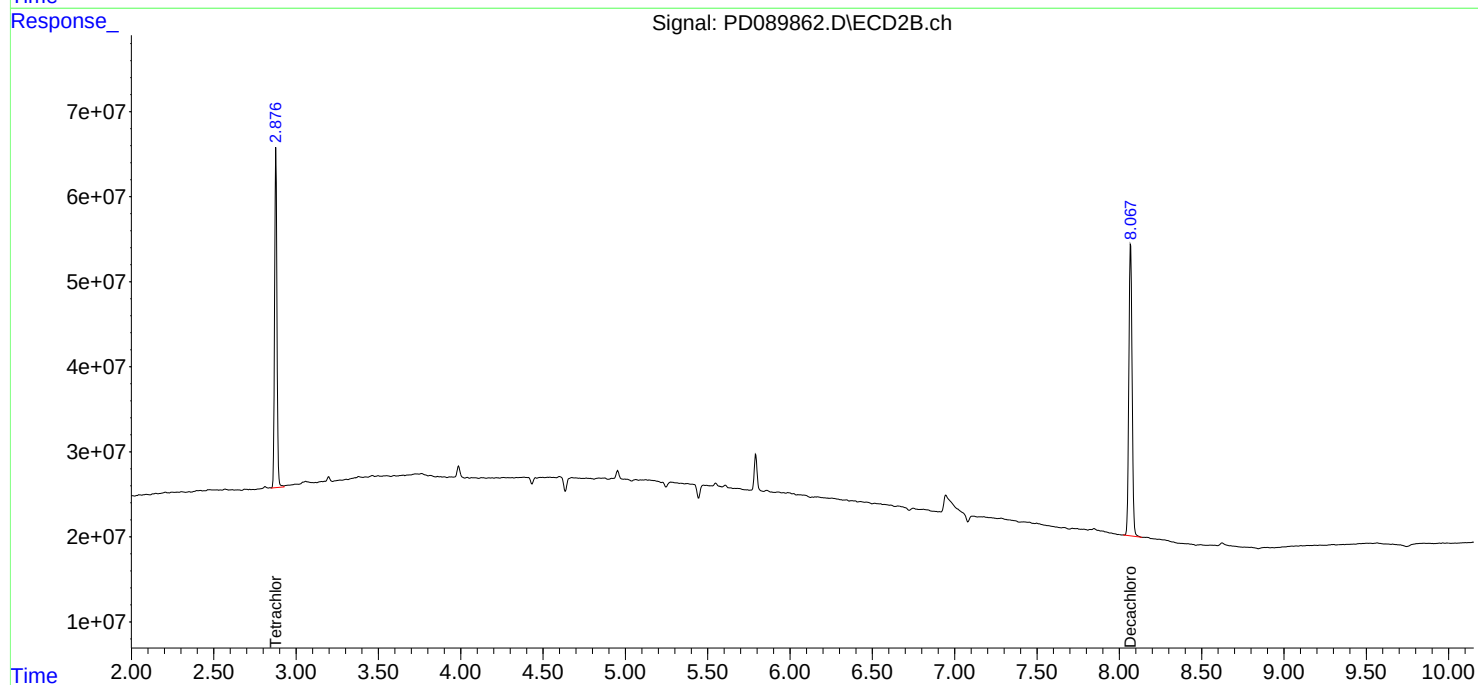
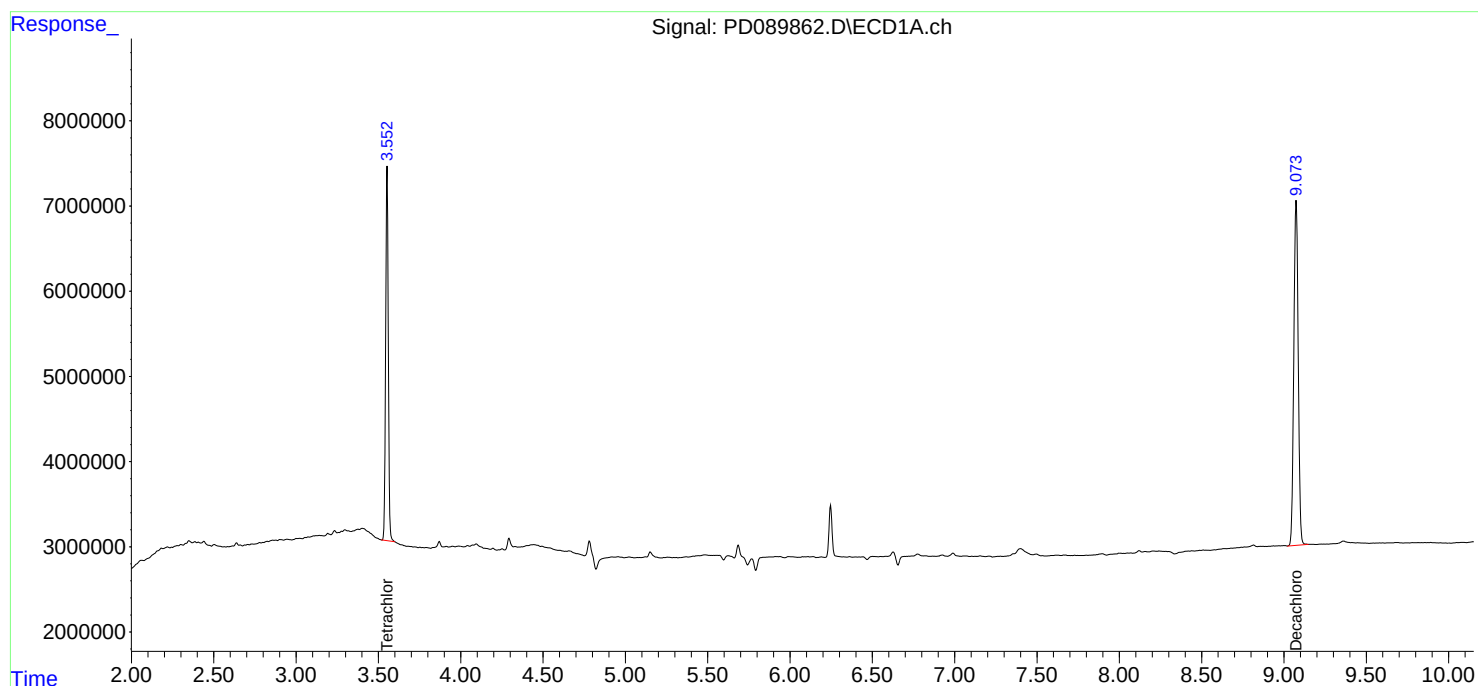
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

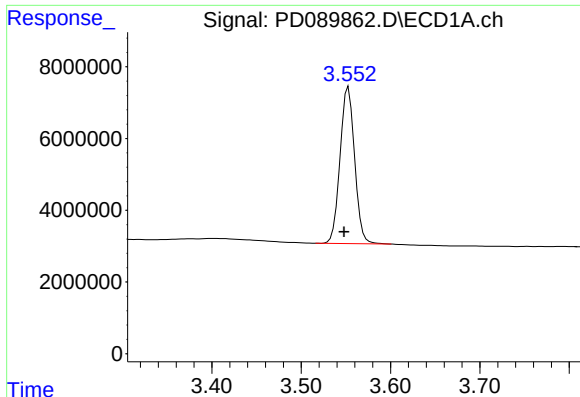
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 15:22
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

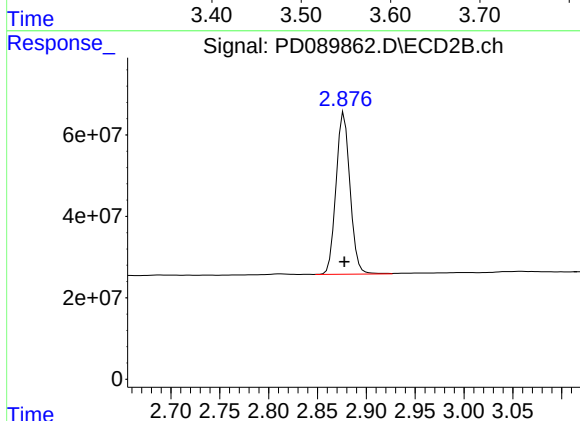




#1 Tetrachloro-m-xylene

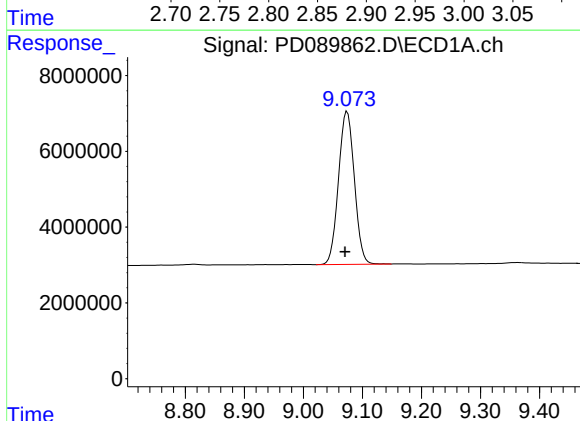
R.T.: 3.553 min
Delta R.T.: 0.005 min
Response: 49387823
Conc: 20.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



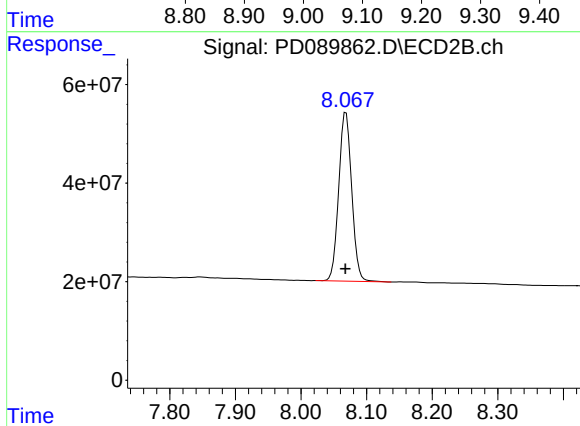
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 396976666
Conc: 25.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.004 min
Response: 75302628
Conc: 20.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 471275836
Conc: 23.47 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089875.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089875.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
PD089875.D	1		08/12/25	pd081325

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	21.9		57 - 171	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.0		61 - 148	125%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	08/12/25	
Project:	Reserve Turgyan Farms		Date Received:	08/12/25	
Client Sample ID:	PIBLK-PD089875.D		SDG No.:	Q2818	
Lab Sample ID:	I.BLK-PD089875.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
PD089875.D	1		08/12/25	pd081325

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\PD081325\
Data File : PD089875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 18:50
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 13 02:14:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	49296088	396.4E6	19.986	25.031 #
28)	SA Decachlor...	9.069	8.066	74480714	440.0E6	20.042	21.917

Target Compounds

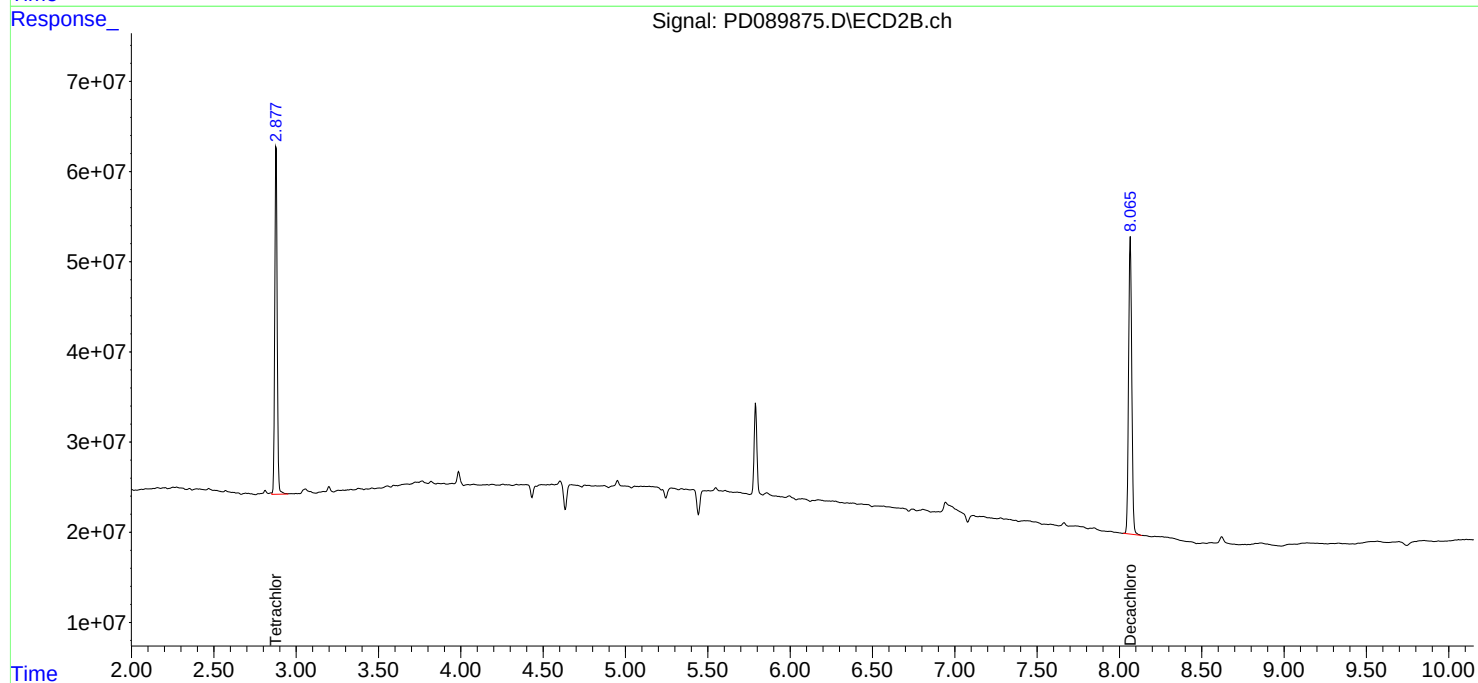
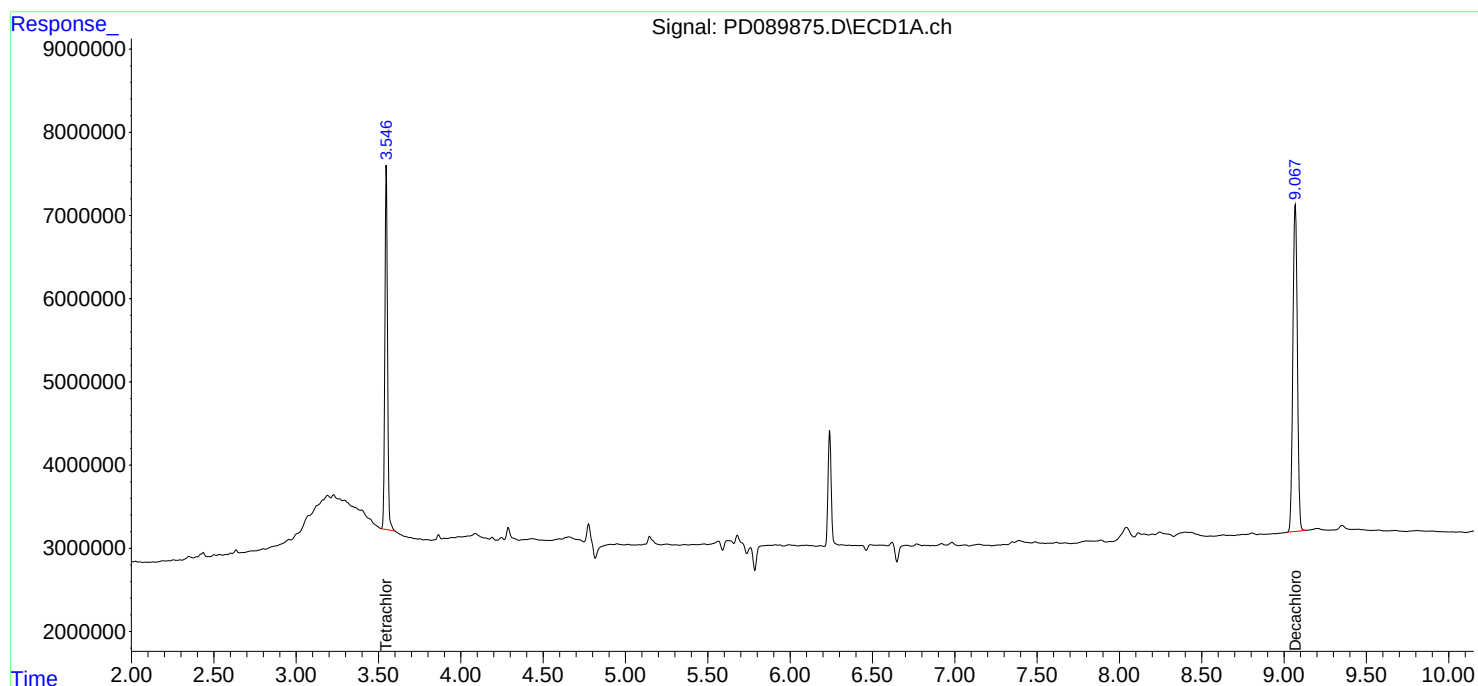
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

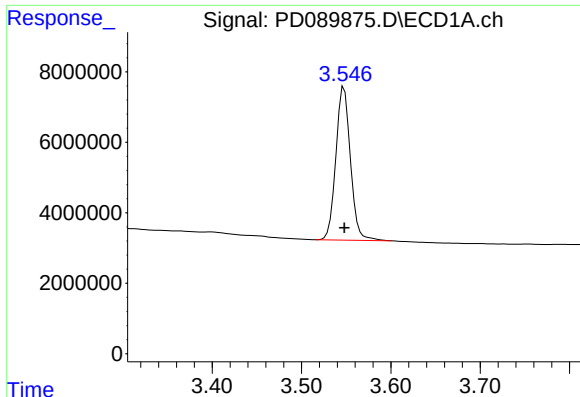
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 18:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:14:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

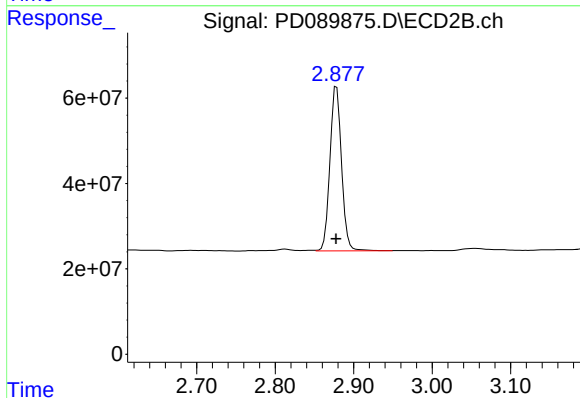




#1 Tetrachloro-m-xylene

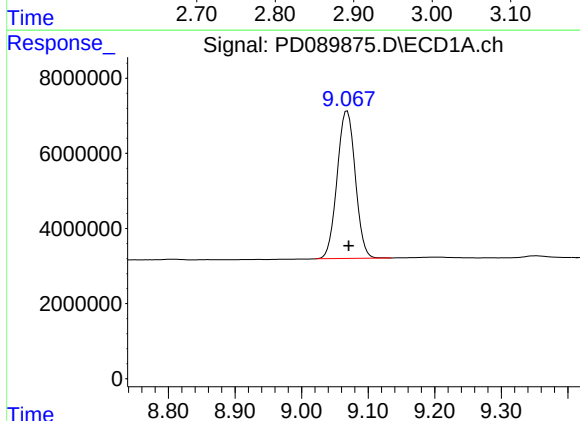
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 49296088
Conc: 19.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



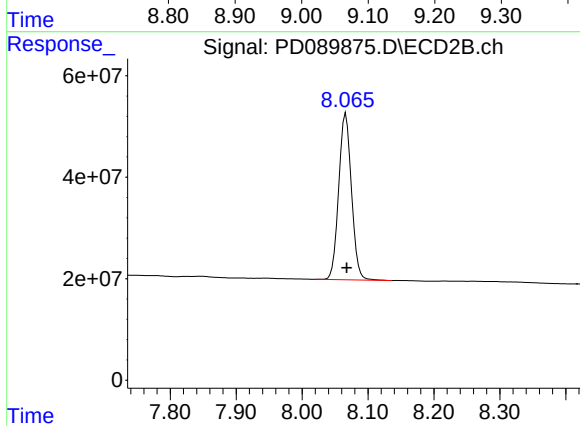
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 396441644
Conc: 25.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 74480714
Conc: 20.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.001 min
Response: 440041027
Conc: 21.92 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	08/14/25	
Project:	Reserve Turgyan Farms		Date Received:	08/14/25	
Client Sample ID:	PIBLK-PD089888.D		SDG No.:	Q2818	
Lab Sample ID:	I.BLK-PD089888.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
PD089888.D	1		08/14/25	PD081525

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	23.5		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.4		61 - 148	127%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089888.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089888.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
PD089888.D	1		08/14/25	PD081525

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\PD081525\
Data File : PD089888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:05
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 14 13:54:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	47568416	402.0E6	19.285	25.381 #
28)	SA Decachlor...	9.070	8.067	72214564	471.3E6	19.432	23.473

Target Compounds

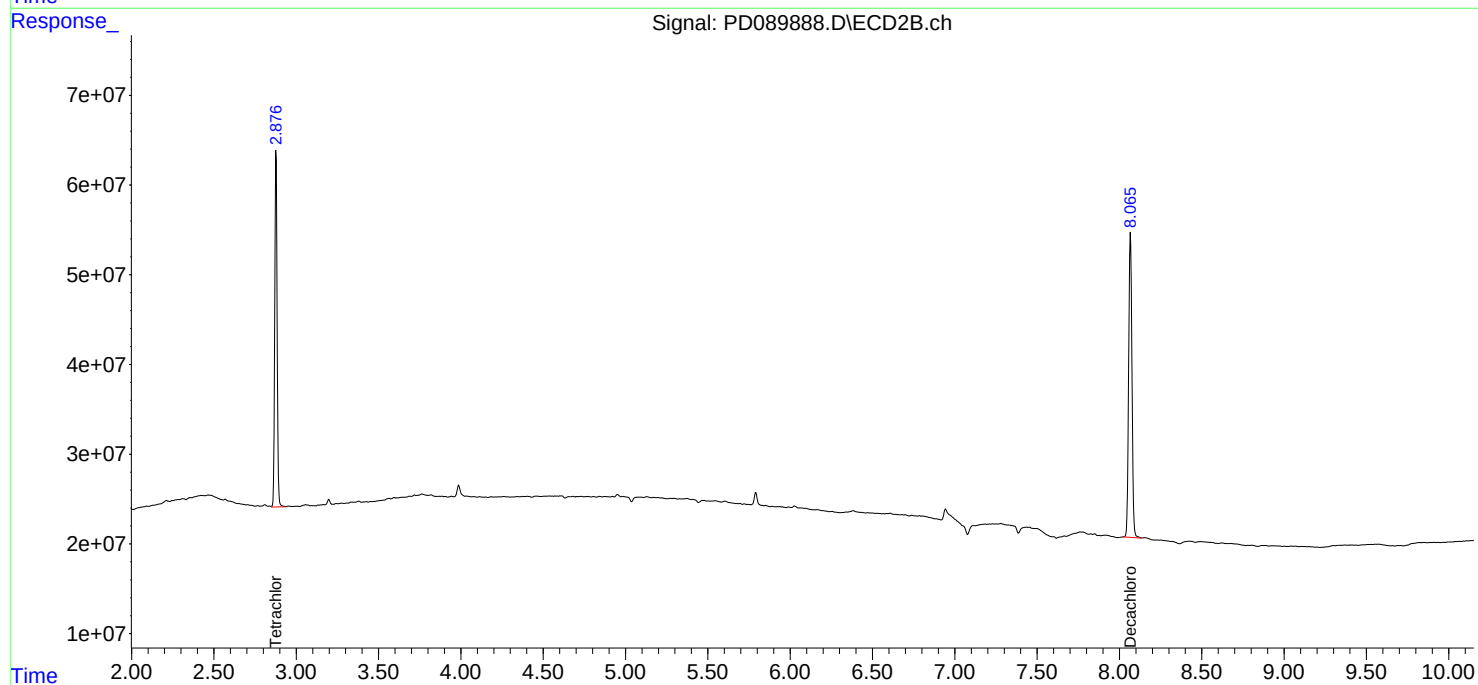
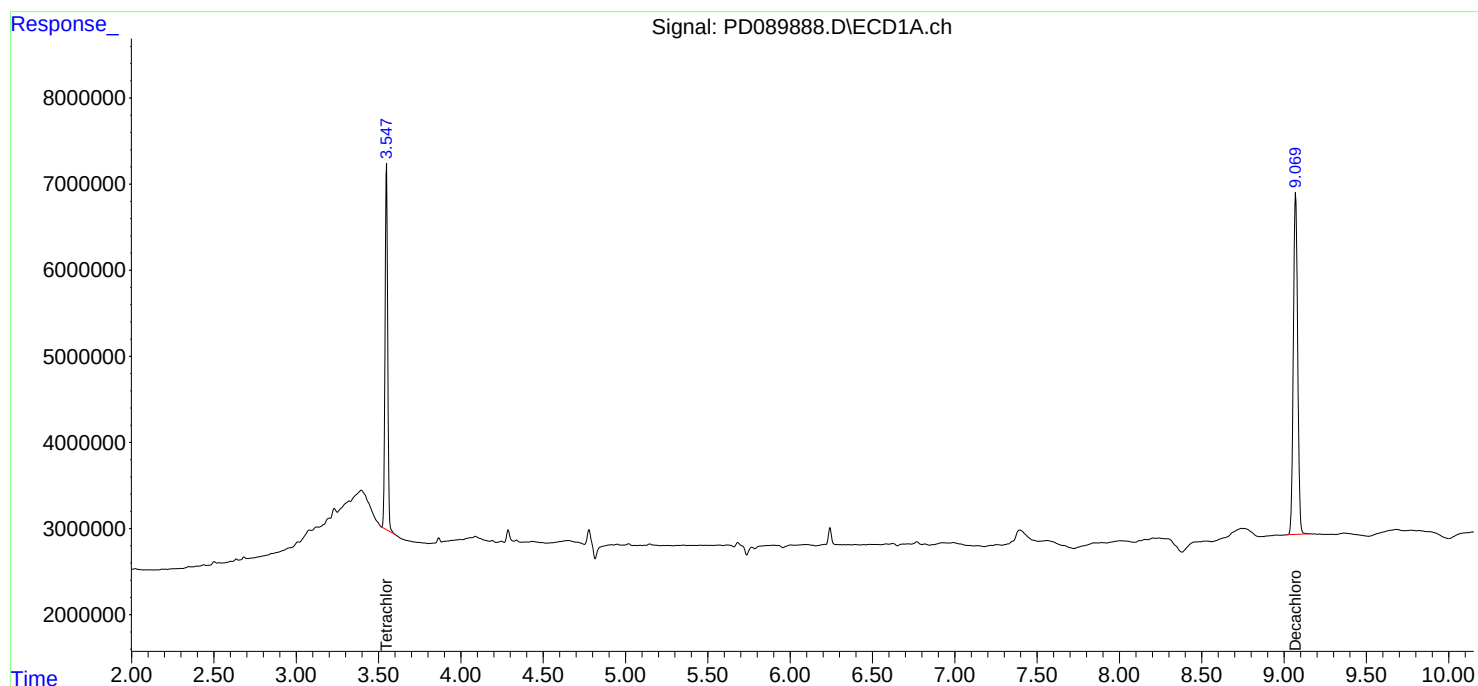
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

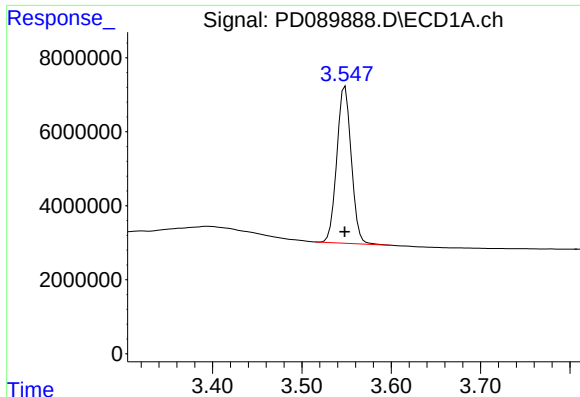
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:54:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

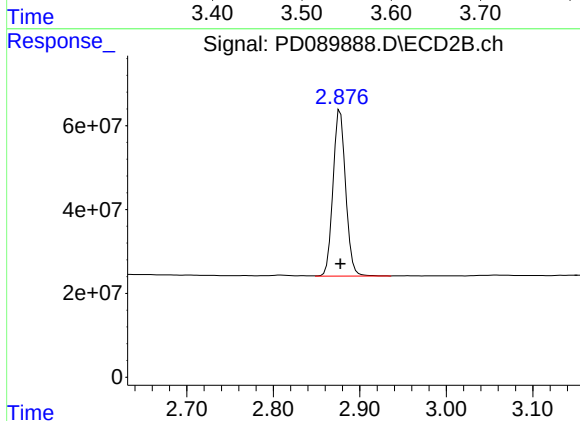




#1 Tetrachloro-m-xylene

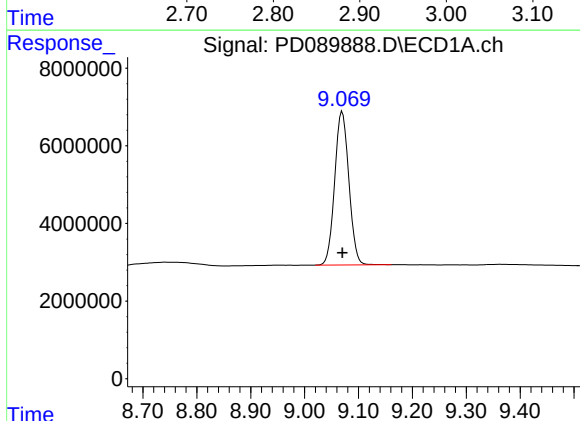
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 47568416
Conc: 19.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



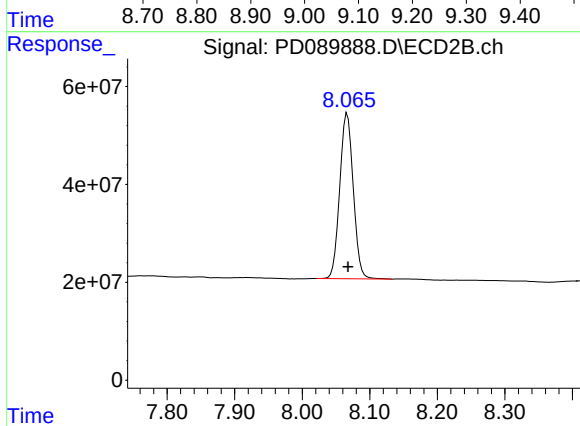
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 401984643
Conc: 25.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 72214564
Conc: 19.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.001 min
Response: 471290980
Conc: 23.47 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089901.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089901.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
PD089901.D	1		08/14/25	PD081525

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	23.4		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		61 - 148	123%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089901.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089901.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
PD089901.D	1		08/14/25	PD081525

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\PD081525\
Data File : PD089901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:50
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 14 17:56:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	47456716	388.3E6	19.240	24.516 #
28)	SA Decachlor...	9.070	8.068	71411449	469.7E6	19.216	23.396

Target Compounds

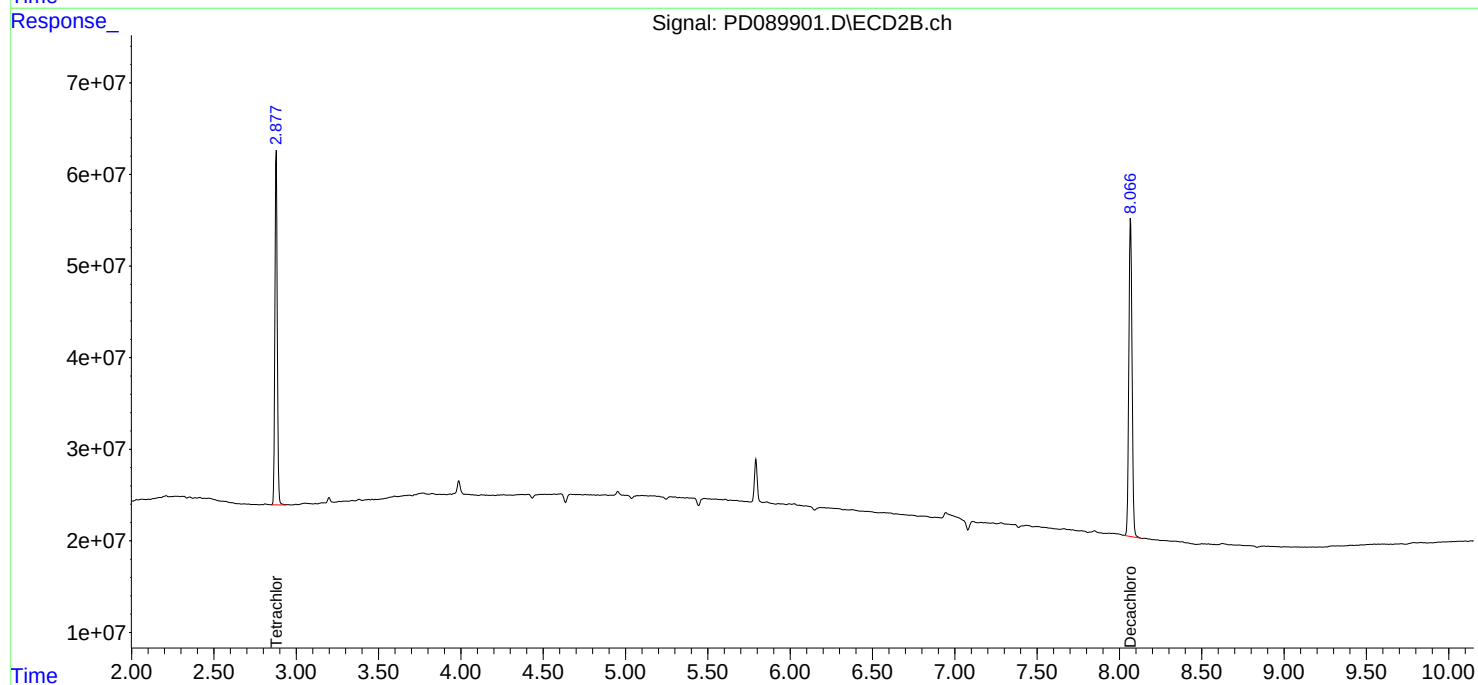
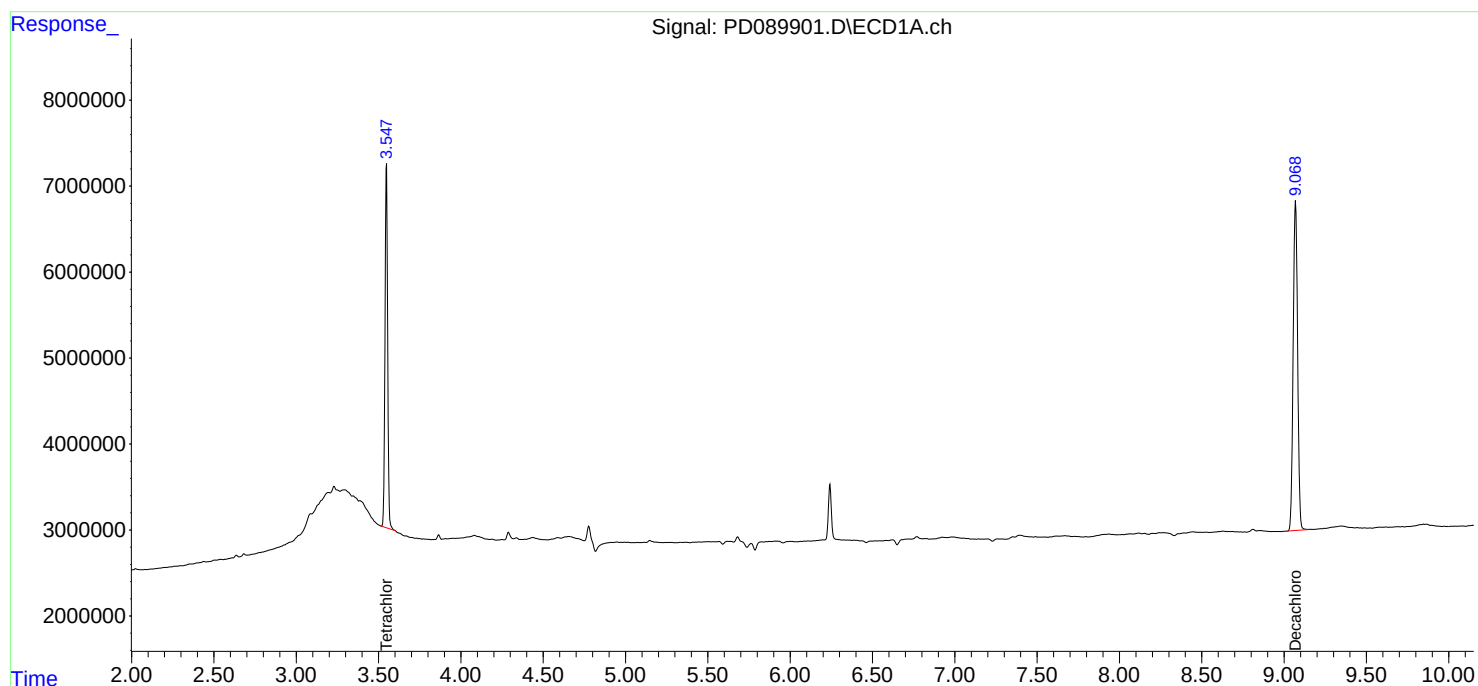
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

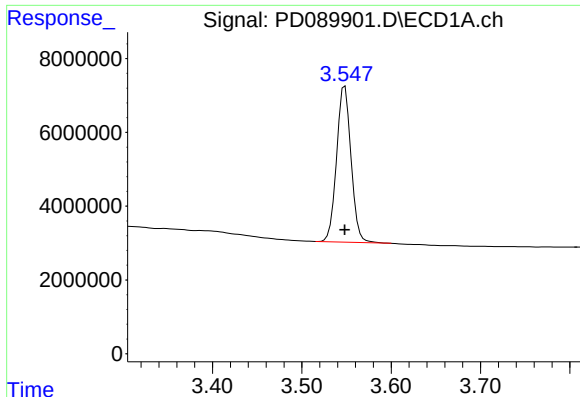
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089901.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 15:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:56:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

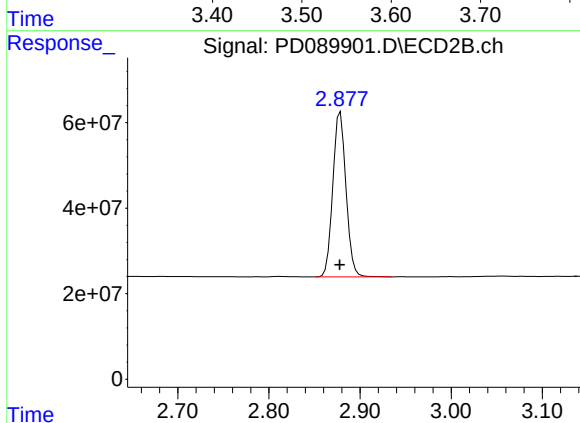




#1 Tetrachloro-m-xylene

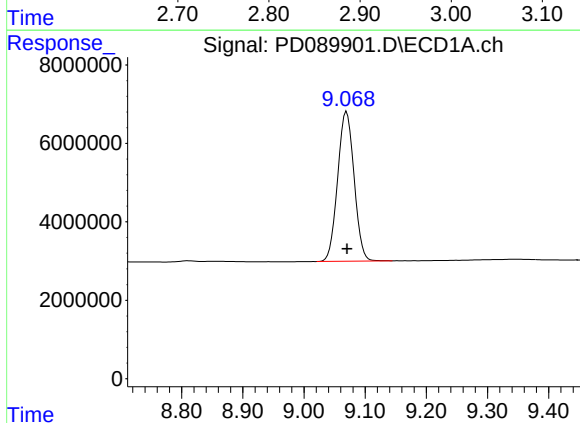
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 47456716
Conc: 19.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



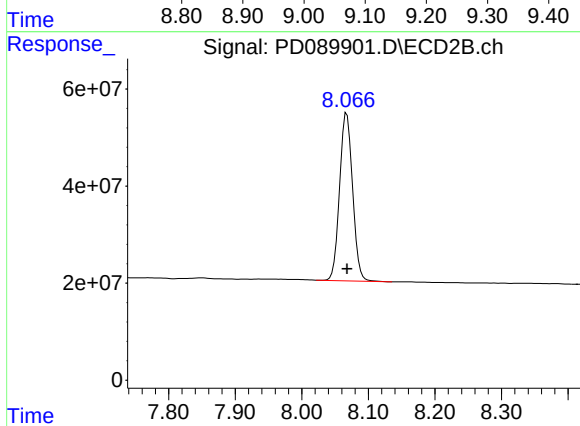
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 388281695
Conc: 24.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 71411449
Conc: 19.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 469748940
Conc: 23.40 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BS	SDG No.:	Q2818
Lab Sample ID:	PB169206BS	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
PD089866.D	1	08/12/25 08:16	08/12/25 16:47	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.7		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.7		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.7		0.14	1.70	ug/kg
76-44-8	Heptachlor	17.7		0.12	1.70	ug/kg
309-00-2	Aldrin	18.8		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.6		0.19	1.70	ug/kg
959-98-8	Endosulfan I	18.7		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.8		0.14	1.70	ug/kg
72-55-9	4,4-DDE	18.9		0.14	1.70	ug/kg
72-20-8	Endrin	16.7		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	18.8		0.29	1.70	ug/kg
72-54-8	4,4-DDD	20.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.3		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.9		0.14	1.70	ug/kg
72-43-5	Methoxychlor	16.2		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	19.5		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	20.3		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.9		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		20 - 144	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		19 - 148	116%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BS	SDG No.:	Q2818
Lab Sample ID:	PB169206BS	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
PD089866.D	1	08/12/25 08:16	08/12/25 16:47	PB169206

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\PD081325\
 Data File : PD089866.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Aug 2025 16:47
 Operator : AR\AJ
 Sample : PB169206BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169206BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 13 02:12:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.547	2.878	44644280	367.5E6	18.100	23.205 #
28)	SA Decachlor...	9.067	8.066	70500693	447.9E6	18.971	22.306
Target Compounds							
2)	A alpha-BHC	3.997	3.389	235.5E6	1364.2E6	47.540	56.129
3)	MA gamma-BHC...	4.327	3.726	224.6E6	1267.4E6	47.266	56.267
4)	MA Heptachlor	4.926	4.078	211.7E6	1236.4E6	44.005	53.272
5)	MB Aldrin	5.267	4.364	214.7E6	1255.3E6	47.035	56.417
6)	B beta-BHC	4.513	4.022	86419412	542.3E6	46.848	56.200
7)	B delta-BHC	4.761	4.258	222.2E6	1290.5E6	48.444	56.814
8)	B Heptachlo...	5.687	4.868	193.1E6	1149.2E6	46.198	55.922
9)	A Endosulfan I	6.071	5.242	182.9E6	1097.5E6	46.141	56.144
10)	B gamma-Chl...	5.942	5.120	194.5E6	1231.7E6	46.548	56.881
11)	B alpha-Chl...	6.023	5.185	194.3E6	1181.7E6	46.212	56.751
12)	B 4,4'-DDE	6.192	5.370	173.1E6	1197.6E6	46.401	56.659
13)	MA Dieldrin	6.343	5.508	194.2E6	1223.7E6	45.993	56.553
14)	MA Endrin	6.570	5.784	144.6E6	996.9E6	40.422	50.030
15)	B Endosulfa...	6.783	6.075	165.2E6	1061.1E6	45.033	56.441 #
16)	A 4,4'-DDD	6.702	5.924	144.4E6	1065.2E6	48.221	60.412 #
17)	MA 4,4'-DDT	7.018	6.177	131.3E6	930.2E6	39.085	50.628 #
18)	B Endrin al...	6.912	6.254	123.1E6	789.4E6	49.321	61.099
19)	B Endosulfa...	7.146	6.477	154.5E6	1020.0E6	44.511	54.939
20)	A Methoxychlor	7.490	6.749	67235413	477.6E6	37.604	48.760 #
21)	B Endrin ke...	7.627	6.986	170.4E6	1177.8E6	45.889	58.689 #
22)	Mirex	8.109	7.179	120.2E6	842.1E6	43.115	55.327 #

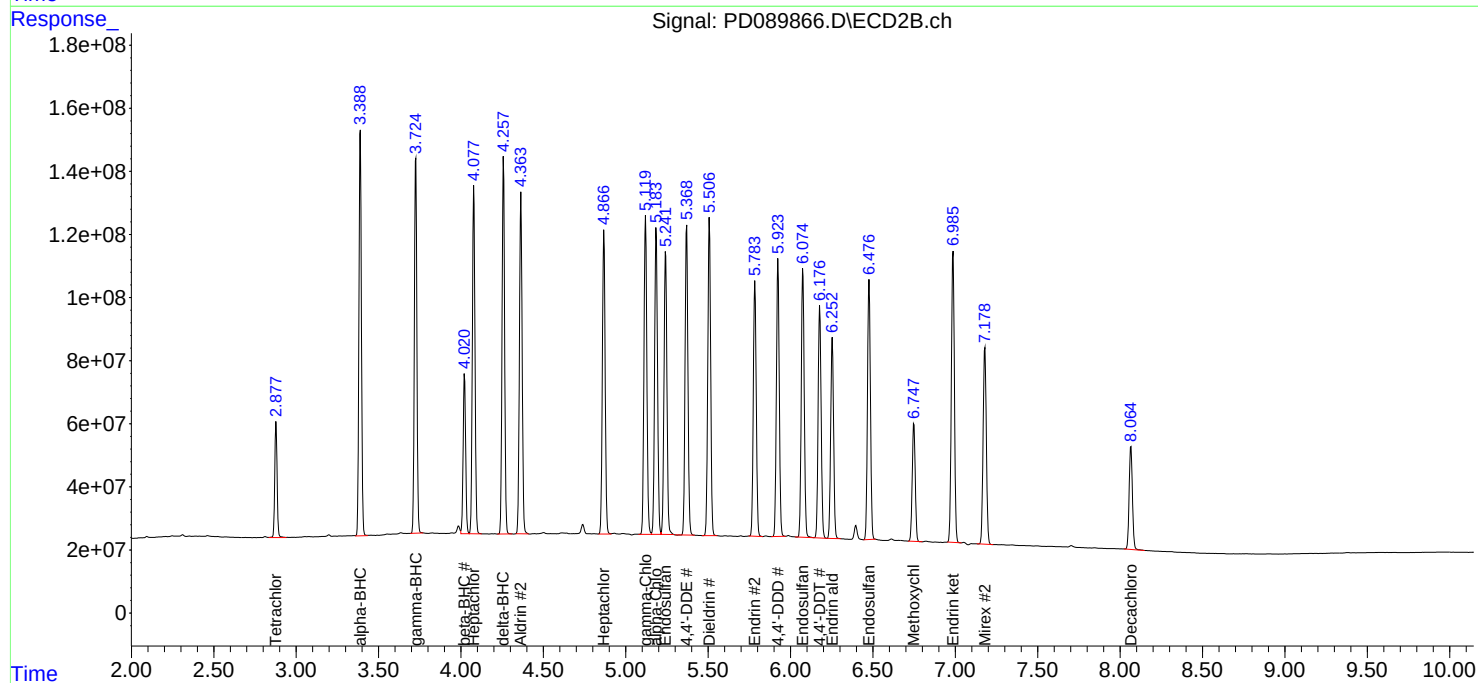
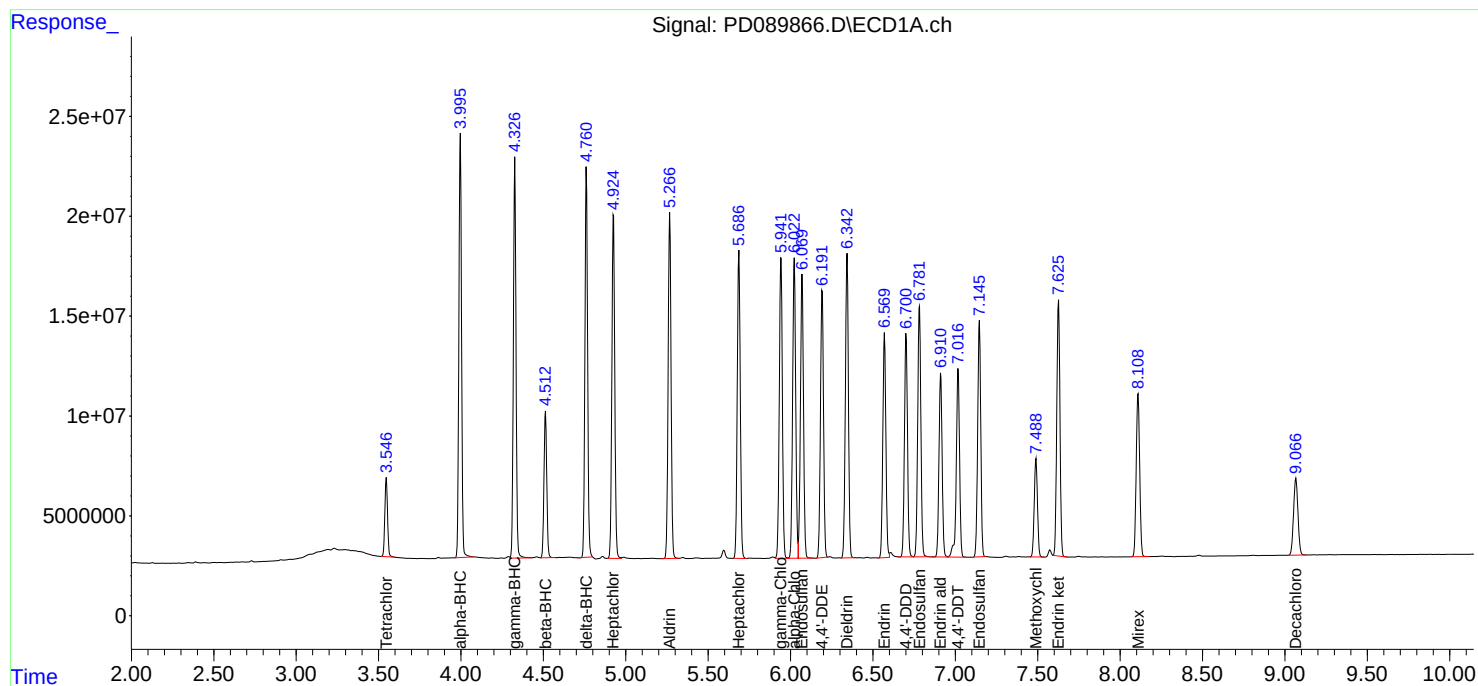
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:47
Operator : AR\AJ
Sample : PB169206BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMS	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.02 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
PD089894.D	1	08/12/25 08:16	08/14/25 14:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	22.8		0.15	2.00	ug/kg
319-85-7	beta-BHC	22.8		0.21	2.00	ug/kg
319-86-8	delta-BHC	23.3		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	22.9		0.16	2.00	ug/kg
76-44-8	Heptachlor	22.0		0.14	2.00	ug/kg
309-00-2	Aldrin	25.9	P	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	31.4		0.22	2.00	ug/kg
959-98-8	Endosulfan I	23.7		0.16	2.00	ug/kg
60-57-1	Dieldrin	24.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	30.5		0.16	2.00	ug/kg
72-20-8	Endrin	34.4	P	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	100	EP	0.34	2.00	ug/kg
72-54-8	4,4-DDD	16.3		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	21.3		0.15	2.00	ug/kg
50-29-3	4,4-DDT	32.2		0.16	2.00	ug/kg
72-43-5	Methoxychlor	19.2		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	21.0		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	22.9		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	384	EP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	327	EP	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.7		20 - 144	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		19 - 148	107%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	08/05/25	
Project:	Reserve Turgyan Farms		Date Received:	08/08/25	
Client Sample ID:	17M-WMS		SDG No.:	Q2818	
Lab Sample ID:	Q2819-14MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	85.6	Decanted:
Sample Wt/Vol:	30.02	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
PD089894.D	1	08/12/25 08:16	08/14/25 14:14	PB169206

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\PD081525\
 Data File : PD089894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Aug 2025 14:14
 Operator : AR\AJ
 Sample : Q2819-14MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 17M-WMS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/15/2025
 Supervised By : mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 14 17:26:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.877	42641031	337.8E6	17.287	21.329m
28)	SA Decachlor...	9.070	8.067	45831658	355.0E6	12.333	17.684 #
Target Compounds							
2)	A alpha-BHC	3.998	3.389	255.0E6	1426.7E6	51.475	58.702m
3)	MA gamma-BHC...	4.329	3.727	235.3E6	1324.6E6	49.509	58.809
4)	MA Heptachlor	4.927	4.079	237.1E6	1314.7E6	49.267	56.647
5)	MB Aldrin	5.263	4.365	172.8E6	1478.0E6	37.848m	66.426 #
6)	B beta-BHC	4.515	4.023	90363742	564.7E6	48.986	58.529
7)	B delta-BHC	4.764	4.259	227.8E6	1357.5E6	49.662	59.760
8)	B Heptachlo...	5.683	4.869	285.3E6	1660.3E6	68.251m	80.794
9)	A Endosulfan I	6.071	5.239	196.0E6	1192.9E6	49.444	61.021m
10)	B gamma-Chl...	5.944	5.127	3510.5E6	10951.0E6	840.029	505.743 #
11)	B alpha-Chl...	6.026	5.181	4153.1E6	12306.5E6	987.849	591.036 #
12)	B 4,4'-DDE	6.193	5.371	292.3E6	1422.5E6	78.378	67.299
13)	MA Dieldrin	6.345	5.507	220.8E6	1373.1E6	52.270	63.456m
14)	MA Endrin	6.571	5.785	155.7E6	1758.7E6	43.509m	88.267m#
15)	B Endosulfa...	6.785	6.084	205.4E6	4836.0E6	55.982	257.240 #
16)	A 4,4'-DDD	6.701	5.925	125.2E6	705.2E6	41.807m	39.992
17)	MA 4,4'-DDT	7.019	6.179	204.7E6	1520.0E6	60.923	82.734 #
18)	B Endrin al...	6.914	6.255	135.6E6	758.8E6	54.336	58.725
19)	B Endosulfa...	7.149	6.478	180.6E6	1014.2E6	52.047	54.626
20)	A Methoxychlor	7.492	6.749	67095468	483.8E6	37.526	49.388 #
21)	B Endrin ke...	7.628	6.987	157.2E6	1080.7E6	42.336	53.853 #
22)	Mirex	8.112	7.179	122.6E6	875.0E6	43.967	57.483m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

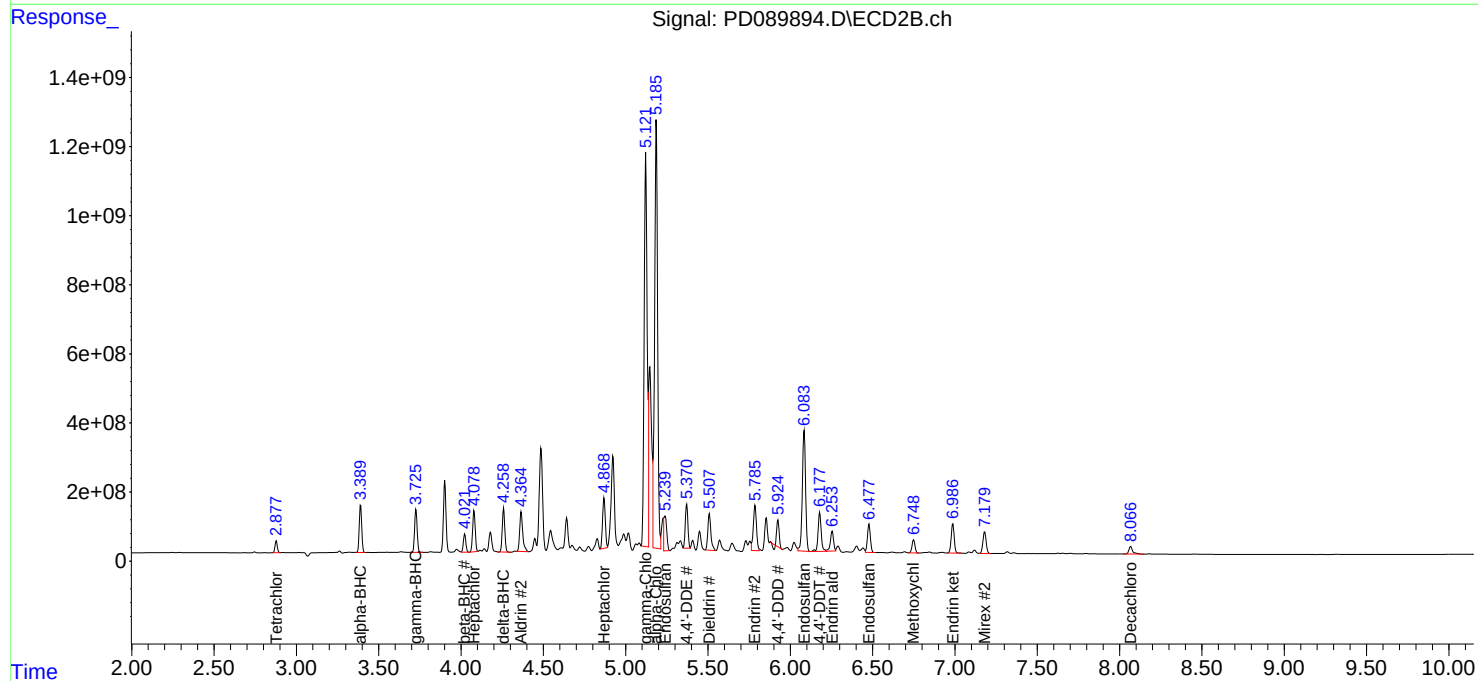
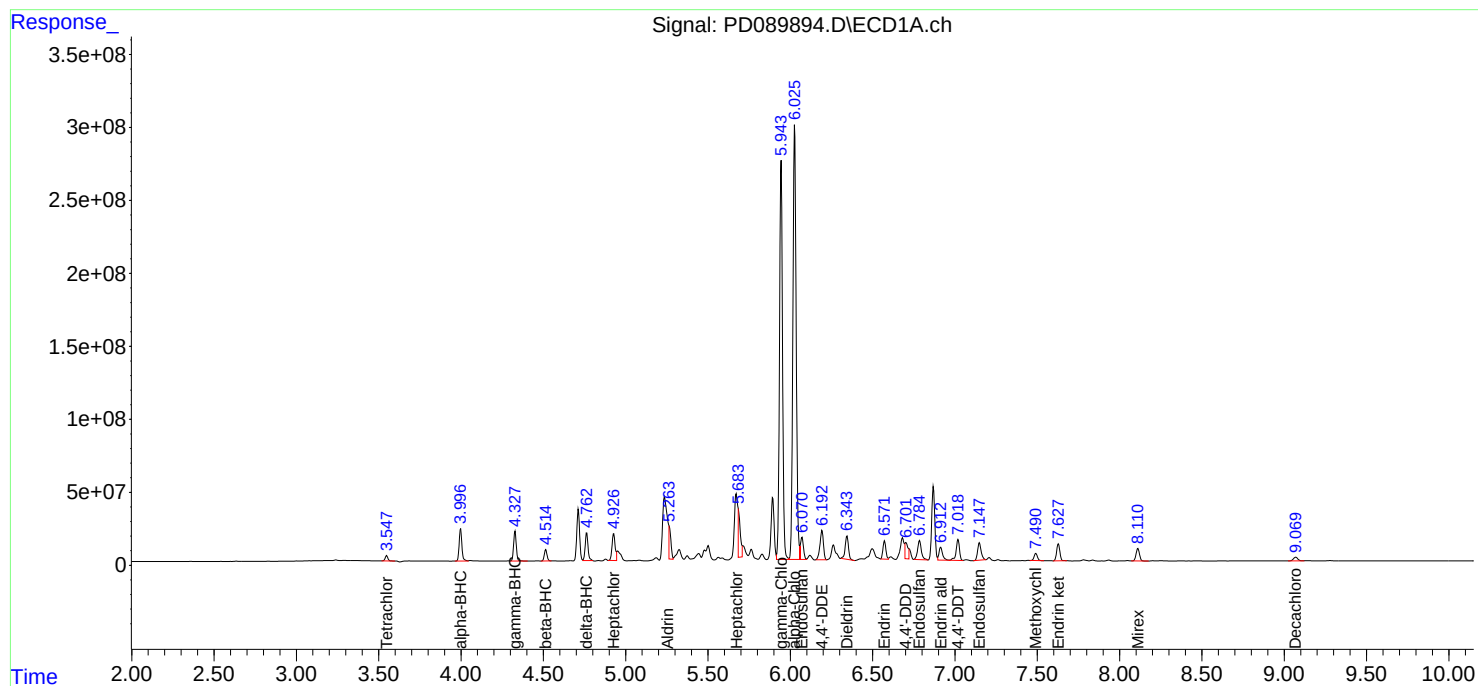
Instrument :
ECD_D
ClientSampleId :
17M-WMS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/15/2025
Supervised By : mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMSD	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.04 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
PD089895.D	1	08/12/25 08:16	08/14/25 14:28	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	22.7		0.15	2.00	ug/kg
319-85-7	beta-BHC	22.8		0.21	2.00	ug/kg
319-86-8	delta-BHC	23.5		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	23.0		0.16	2.00	ug/kg
76-44-8	Heptachlor	22.9		0.14	2.00	ug/kg
309-00-2	Aldrin	25.7		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	31.2		0.22	2.00	ug/kg
959-98-8	Endosulfan I	19.1		0.16	2.00	ug/kg
60-57-1	Dieldrin	24.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	30.1		0.16	2.00	ug/kg
72-20-8	Endrin	34.3	P	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	101	EP	0.34	2.00	ug/kg
72-54-8	4,4-DDD	24.0		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	21.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	33.3		0.16	2.00	ug/kg
72-43-5	Methoxychlor	20.5		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	21.6		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	23.7		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	383	EP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	325	EP	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.9		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMSD	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089895.D	1	08/12/25 08:16	08/14/25 14:28	PB169206

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\PD081525\
 Data File : PD089895.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Aug 2025 14:28
 Operator : AR\AJ
 Sample : Q2819-14MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 17M-WMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/15/2025
 Supervised By : mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 14 17:26:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.877	42100671	342.4E6	17.068	21.617m#
28)	SA Decachlor...	9.069	8.067	45436605	358.4E6	12.226	17.849 #
Target Compounds							
2)	A alpha-BHC	3.998	3.389	253.8E6	1421.2E6	51.242	58.472m
3)	MA gamma-BHC...	4.329	3.727	234.7E6	1330.0E6	49.382	59.048
4)	MA Heptachlor	4.927	4.080	246.1E6	1368.2E6	51.145	58.952
5)	MB Aldrin	5.257	4.366	290.0E6	1471.3E6	63.529m	66.125
6)	B beta-BHC	4.515	4.023	90338615	566.3E6	48.973	58.694
7)	B delta-BHC	4.763	4.260	230.5E6	1372.3E6	50.254	60.414
8)	B Heptachlo...	5.682	4.869	309.8E6	1650.0E6	74.106m	80.295
9)	A Endosulfan I	6.072	5.239	195.1E6	804.9E6	49.212	41.176m
10)	B gamma-Chl...	5.945	5.127	3495.0E6	10875.0E6	836.311	502.231 #
11)	B alpha-Chl...	6.027	5.181	4144.7E6	12374.1E6	985.845	594.281 #
12)	B 4,4'-DDE	6.193	5.372	288.9E6	1394.5E6	77.450	65.972
13)	MA Dieldrin	6.345	5.508	221.0E6	1372.1E6	52.323	63.408m
14)	MA Endrin	6.573	5.785	140.6E6	1755.1E6	39.310	88.086m#
15)	B Endosulfa...	6.785	6.085	204.8E6	4872.5E6	55.817	259.180 #
16)	A 4,4'-DDD	6.701	5.924	129.0E6	1089.0E6	43.080m	61.760m#
17)	MA 4,4'-DDT	7.019	6.180	213.7E6	1575.0E6	63.611	85.727 #
18)	B Endrin al...	6.914	6.255	142.3E6	787.8E6	57.014	60.974
19)	B Endosulfa...	7.149	6.479	182.2E6	1040.6E6	52.502	56.052
20)	A Methoxychlor	7.492	6.750	79395593	517.3E6	44.405	52.806
21)	B Endrin ke...	7.629	6.987	162.6E6	1115.9E6	43.769	55.604 #
22)	Mirex	8.112	7.179	122.6E6	870.2E6	43.972	57.172m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

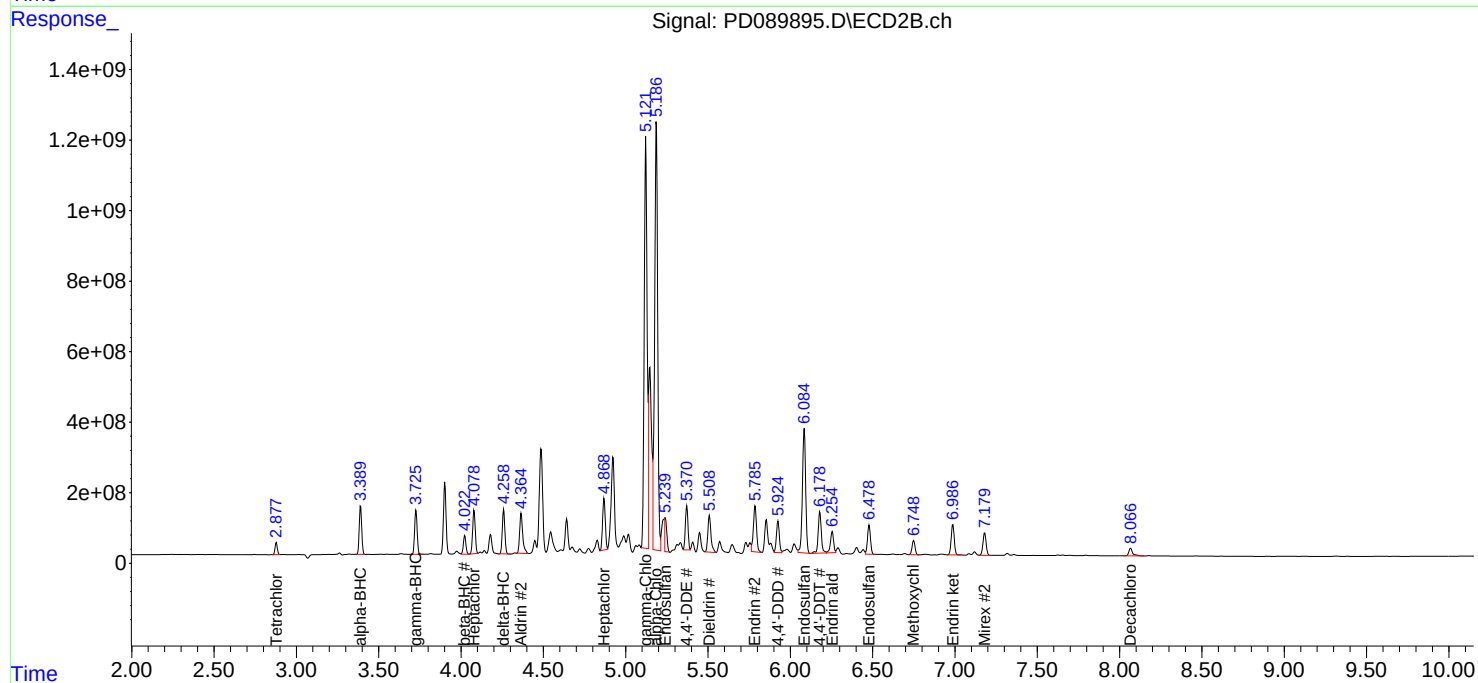
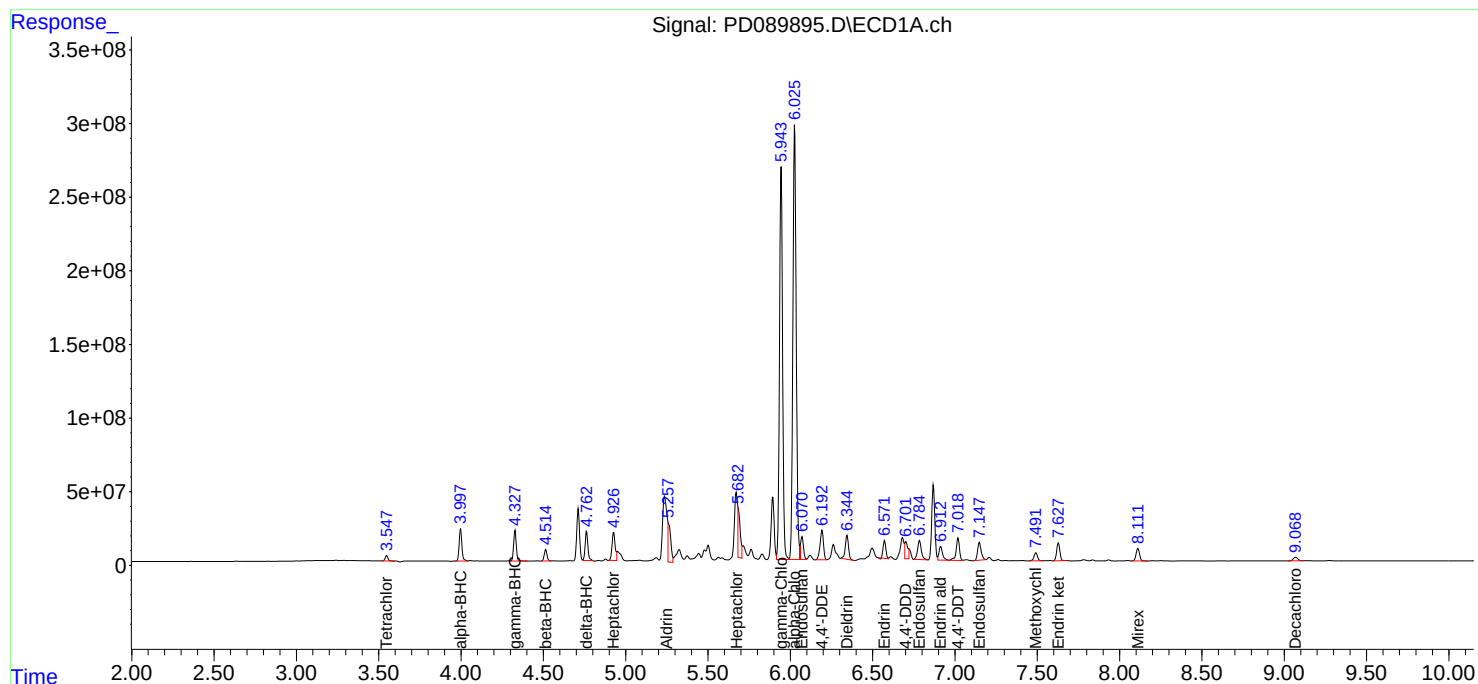
Instrument :
ECD_D
ClientSampleId :
17M-WMSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/15/2025
Supervised By : mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:

pd073125

Instrument

ECD_d

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

Manual Integration Report

Sequence:	pd081325	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089863.D	4,4"-DDE #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PEM	PD089863.D	alpha-BHC #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PEM	PD089863.D	Endrin ketone	Abdul	8/13/2025 8:16:51 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PEM	PD089863.D	Endrin ketone #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-01	PD089867.D	alpha-Chlordane #2	Abdul	8/13/2025 8:16:55 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-01	PD089867.D	gamma-Chlordane #2	Abdul	8/13/2025 8:16:55 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-01	PD089867.D	Tetrachloro-m-xylene #2	Abdul	8/13/2025 8:16:55 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	4,4"-DDE	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	4,4"-DDE #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	alpha-Chlordane	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	alpha-Chlordane #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	Decachlorobiphenyl	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	Decachlorobiphenyl #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software

Manual Integration Report

Sequence:

pd081325

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2818-02	PD089868.D	Dieldrin	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	Dieldrin #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	Methoxychlor	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	Methoxychlor #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	Tetrachloro-m-xylene	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
Q2818-02	PD089868.D	Tetrachloro-m-xylene #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PSTDCCC050	PD089876.D	4,4"-DDD #2	Abdul	8/13/2025 8:17:39 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software
PSTDCCC050	PD089876.D	Endrin #2	Abdul	8/13/2025 8:17:39 AM	mohammad	8/14/2025 1:22:13	Peak Integrated by Software

Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089889.D	4,4"-DDD	Abdul	8/15/2025 9:26:49 AM	 	 	Peak Integrated by Software
PEM	PD089889.D	alpha-BHC #2	Abdul	8/15/2025 9:26:49 AM	 	 	Peak Integrated by Software
PEM	PD089889.D	Endrin aldehyde #2	Abdul	8/15/2025 9:26:49 AM	 	 	Peak Integrated by Software
PEM	PD089889.D	Endrin ketone	Abdul	8/15/2025 9:26:49 AM	 	 	Peak Integrated by Software
PEM	PD089889.D	Endrin ketone #2	Abdul	8/15/2025 9:26:49 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089890.D	alpha-BHC #2	Abdul	8/15/2025 9:27:39 AM	 	 	Peak Integrated by Software
Q2819-14MS	PD089894.D	4,4"-DDD	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software
Q2819-14MS	PD089894.D	Aldrin	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software
Q2819-14MS	PD089894.D	alpha-BHC #2	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software
Q2819-14MS	PD089894.D	Dieldrin #2	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endosulfan I #2	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endrin	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endrin #2	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2819-14MS	PD089894.D	Heptachlor epoxide	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software
Q2819-14MS	PD089894.D	Mirex #2	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software
Q2819-14MS	PD089894.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:26:58 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	4,4"-DDD	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	4,4"-DDD #2	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Aldrin	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	alpha-BHC #2	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Dieldrin #2	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Endosulfan I #2	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Endrin #2	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Heptachlor epoxide	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Mirex #2	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:27:01 AM	 	 	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PD081525

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 # PD073125

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

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD073125

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

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081325

Review By	Review On
Supervise By	Supervise On
SubDirectory PD081325	HP Acquire Method HP Processing Method pd073125 8081
STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,,pp
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	PD089861.D	12 Aug 2025 14:35	AR\AJ	Ok
2	I.BLK	PD089862.D	12 Aug 2025 15:22	AR\AJ	Ok
3	PEM	PD089863.D	12 Aug 2025 15:35	AR\AJ	Ok,M
4	PSTDCCC050	PD089864.D	12 Aug 2025 16:05	AR\AJ	Ok
5	PB169206BL	PD089865.D	12 Aug 2025 16:33	AR\AJ	Ok
6	PB169206BS	PD089866.D	12 Aug 2025 16:47	AR\AJ	Ok
7	Q2818-01	PD089867.D	12 Aug 2025 17:00	AR\AJ	Ok,M
8	Q2818-02	PD089868.D	12 Aug 2025 17:14	AR\AJ	Ok,M
9	Q2823-01	PD089869.D	12 Aug 2025 17:27	AR\AJ	Ok,M
10	Q2830-01	PD089870.D	12 Aug 2025 17:41	AR\AJ	Ok,M
11	Q2830-03	PD089871.D	12 Aug 2025 17:55	AR\AJ	Ok,M
12	Q2830-05	PD089872.D	12 Aug 2025 18:08	AR\AJ	Ok,M
13	Q2830-07	PD089873.D	12 Aug 2025 18:22	AR\AJ	Ok,M
14	Q2831-01	PD089874.D	12 Aug 2025 18:36	AR\AJ	Ok,M
15	I.BLK	PD089875.D	12 Aug 2025 18:50	AR\AJ	Ok
16	PSTDCCC050	PD089876.D	12 Aug 2025 20:12	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081525

Review By	Abdul	Review On	8/15/2025 9:28:00 AM
Supervise By		Supervise On	
SubDirectory	PD081525	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089887.D	14 Aug 2025 11:51	AR\AJ	Ok
2	I.BLK	PD089888.D	14 Aug 2025 12:05	AR\AJ	Ok
3	PEM	PD089889.D	14 Aug 2025 12:19	AR\AJ	Ok,NS
4	PSTDCCC050	PD089890.D	14 Aug 2025 12:52	AR\AJ	Ok,NS
5	Q2819-06	PD089891.D	14 Aug 2025 13:34	AR\AJ	Dilution
6	Q2819-11	PD089892.D	14 Aug 2025 13:47	AR\AJ	Ok,NS
7	Q2819-14	PD089893.D	14 Aug 2025 14:01	AR\AJ	Dilution
8	Q2819-14MS	PD089894.D	14 Aug 2025 14:14	AR\AJ	Ok,NS
9	Q2819-14MSD	PD089895.D	14 Aug 2025 14:28	AR\AJ	Ok,NS
10	Q2820-09	PD089896.D	14 Aug 2025 14:41	AR\AJ	ReRun
11	Q2820-10	PD089897.D	14 Aug 2025 14:55	AR\AJ	Ok,NS
12	Q2820-24	PD089898.D	14 Aug 2025 15:09	AR\AJ	Ok,NS
13	Q2858-01	PD089899.D	14 Aug 2025 15:23	AR\AJ	Ok,NS
14	PB169243BL	PD089900.D	14 Aug 2025 15:36	AR\AJ	Ok
15	I.BLK	PD089901.D	14 Aug 2025 15:50	AR\AJ	Ok
16	PSTDCCC050	PD089902.D	14 Aug 2025 17:10	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD073125

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

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

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD073125

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

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

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081325

Review By	Review On
Supervise By	Supervise On
SubDirectory	PD081325
HP Acquire Method	HP Processing Method
	pd073125 8081
STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764,,pp
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	PD089861.D	12 Aug 2025 14:35		AR\AJ	Ok
2	I.BLK	I.BLK	PD089862.D	12 Aug 2025 15:22		AR\AJ	Ok
3	PEM	PEM	PD089863.D	12 Aug 2025 15:35		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089864.D	12 Aug 2025 16:05		AR\AJ	Ok
5	PB169206BL	PB169206BL	PD089865.D	12 Aug 2025 16:33		AR\AJ	Ok
6	PB169206BS	PB169206BS	PD089866.D	12 Aug 2025 16:47		AR\AJ	Ok
7	Q2818-01	B-2-5-1	PD089867.D	12 Aug 2025 17:00		AR\AJ	Ok,M
8	Q2818-02	B-3-5-2	PD089868.D	12 Aug 2025 17:14		AR\AJ	Ok,M
9	Q2823-01	SU-04-081125	PD089869.D	12 Aug 2025 17:27		AR\AJ	Ok,M
10	Q2830-01	BIN0009-DRIVEWAY-T	PD089870.D	12 Aug 2025 17:41		AR\AJ	Ok,M
11	Q2830-03	BIN0009-DRIVEWAY-T	PD089871.D	12 Aug 2025 17:55		AR\AJ	Ok,M
12	Q2830-05	BIN0009-DRIVEWAY-T	PD089872.D	12 Aug 2025 18:08		AR\AJ	Ok,M
13	Q2830-07	BIN0009-DRIVEWAY-T	PD089873.D	12 Aug 2025 18:22		AR\AJ	Ok,M
14	Q2831-01	VNJ-238	PD089874.D	12 Aug 2025 18:36		AR\AJ	Ok,M
15	I.BLK	I.BLK	PD089875.D	12 Aug 2025 18:50		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089876.D	12 Aug 2025 20:12		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD081525

Review By	Abdul	Review On	8/15/2025 9:28:00 AM
Supervise By		Supervise On	
SubDirectory	PD081525	HP Acquire Method	HP Processing Method pd073125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089887.D	14 Aug 2025 11:51		AR\AJ	Ok
2	I.BLK	I.BLK	PD089888.D	14 Aug 2025 12:05		AR\AJ	Ok
3	PEM	PEM	PD089889.D	14 Aug 2025 12:19		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PD089890.D	14 Aug 2025 12:52		AR\AJ	Ok,NS
5	Q2819-06	11M-S	PD089891.D	14 Aug 2025 13:34	Need 5X	AR\AJ	Dilution
6	Q2819-11	84SB-W	PD089892.D	14 Aug 2025 13:47	DCB low in 1ST column	AR\AJ	Ok,NS
7	Q2819-14	17M-W	PD089893.D	14 Aug 2025 14:01	Need dilution	AR\AJ	Dilution
8	Q2819-14MS	17M-WMS	PD089894.D	14 Aug 2025 14:14	Recovery fail	AR\AJ	Ok,NS
9	Q2819-14MSD	17M-WMSD	PD089895.D	14 Aug 2025 14:28	Recovery fail	AR\AJ	Ok,NS
10	Q2820-09	705R-S	PD089896.D	14 Aug 2025 14:41	DCB low in both column	AR\AJ	ReRun
11	Q2820-10	SOIL-DUP-2	PD089897.D	14 Aug 2025 14:55		AR\AJ	Ok,NS
12	Q2820-24	22M-S	PD089898.D	14 Aug 2025 15:09		AR\AJ	Ok,NS
13	Q2858-01	VNJ 216	PD089899.D	14 Aug 2025 15:23		AR\AJ	Ok,NS
14	PB169243BL	PB169243BL	PD089900.D	14 Aug 2025 15:36		AR\AJ	Ok
15	I.BLK	I.BLK	PD089901.D	14 Aug 2025 15:50		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089902.D	14 Aug 2025 17:10		AR\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/12/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 08/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136776

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
Q2817-01	LEAD-PAINT-CHIPS	1	1.00	1.00	2.00	2.00	100.0	LEAD-PAINT-CHIPS
Q2818-01	B-2-5-1	2	1.15	10.59	11.74	10.42	87.5	
Q2818-02	B-3-5-2	3	1.16	10.66	11.82	10.66	89.1	
Q2823-01	SU-04-081125	4	1.13	10.70	11.83	11.11	93.3	
Q2823-02	SU-04-081125-E2	5	1.14	11.10	12.24	11.34	91.9	
Q2826-01	WC1	6	1.18	10.81	11.99	10.7	88.1	
Q2827-01	TP-8	7	1.16	11.41	12.57	7.33	54.1	
Q2827-02	TP-8-EPH	8	1.16	10.21	11.37	7.68	63.9	
Q2827-03	TP-8-VOC	9	1.18	10.87	12.05	9.22	74.0	
Q2827-05	TP-9	10	1.19	10.61	11.8	9.66	79.8	
Q2827-06	TP-9-EPH	11	1.16	10.06	11.22	8.93	77.2	
Q2827-07	TP-9-VOC	12	1.15	10.48	11.63	9.59	80.5	
Q2828-01	POWDER	13	1.19	10.32	11.51	11.45	99.4	
Q2829-01	SILICA	14	1.00	1.00	2.00	2.00	100.0	silica
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	15	1.18	10.57	11.75	10.37	86.9	
Q2830-02	BIN0009-DRIVEWAY-TP-SOUTH-EAST	16	1.18	10.03	11.21	9.83	86.2	
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	17	1.18	10.74	11.92	10.37	85.6	
Q2830-04	BIN0009-DRIVEWAY-TP-WEST	18	1.15	10.59	11.74	10.21	85.6	
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	19	1.19	10.46	11.65	9.66	81.0	
Q2830-06	BIN0009-DRIVEWAY-TP-WESTSIDE	20	1.15	10.94	12.09	9.36	75.0	
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	21	1.18	10.48	11.66	9.22	76.7	
Q2830-08	BIN0009-DRIVEWAY-TP-EASTSIDE	22	1.19	10.66	11.85	9.67	79.5	
Q2831-01	VNJ-238	23	1.18	10.59	11.77	11.04	93.1	
Q2831-02	VNJ-238-VOC	24	1.19	10.62	11.81	11.04	92.7	

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

WORKLIST(Hardcopy Internal Chain)

136716

WorkList Name : %1-081125 WorkList ID : 191189 Department : Wet-Chemistry Date : 08-11-2025 08:22:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2817-01	LEAD-PAINT-CHIPS	Solid	Percent Solids	Cool 4 deg C	HOME01	D31	08/11/2025	Chemtech -SO
Q2818-01	B-2-5-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	J21	08/11/2025	Chemtech -SO
Q2818-02	B-3-5-2	Solid	Percent Solids	Cool 4 deg C	EARTH03	J21	08/11/2025	Chemtech -SO
Q2823-01	SU-04-081125	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/11/2025	Chemtech -SO
Q2823-02	SU-04-081125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/11/2025	Chemtech -SO
Q2826-01	WC1	Solid	Percent Solids	Cool 4 deg C	GENV01	D31	08/11/2025	Chemtech -SO
Q2827-01	TP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-02	TP-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-03	TP-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-05	TP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-06	TP-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2827-07	TP-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2828-01	POWDER	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2829-01	SILICA	Solid	Percent Solids	Cool 4 deg C	VIVA01	D21	08/11/2025	Chemtech -SO
Q2830-01	BIN009-DRIVEWAY-TP-SOUTH	Solid	Percent Solids	Cool 4 deg C	VIVA01	D21	08/11/2025	Chemtech -SO
Q2830-02	BIN009-DRIVEWAY-TP-SOUTH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-03	BIN009-DRIVEWAY-TP-WEST	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-04	BIN009-DRIVEWAY-TP-WEST	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-05	BIN009-DRIVEWAY-TP-WEST	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-06	BIN009-DRIVEWAY-TP-WEST	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2830-07	BIN009-DRIVEWAY-TP-EASTS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO

Date/Time 08-11-25 15:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]
 Date/Time 08-11-25 17:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136776

WorkList Name : %1-081125 WorkList ID : 191189 Department : Wet-Chemistry Date : 08-11-2025 08:22:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2830-08	BIN009-DRIVEWAY-TP-EASTS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/11/2025	Chemtech -SO
Q2831-01	VNJ-238	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/11/2025	Chemtech -SO
Q2831-02	VNJ-238-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/11/2025	Chemtech -SO

Date/Time 08.11.25 15:10
 Raw Sample Received by: Sh Woc
 Raw Sample Relinquished by: Sh Woc

Date/Time 08.11.25 17:20
 Raw Sample Received by: Sh Woc
 Raw Sample Relinquished by: Sh Woc

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Extraction Start Date : 08/12/2025

Matrix : Solid

Extraction Start Time : 08:16

Weight By: RJ

Extraction By: RJ

Extraction End Date : 08/12/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 11:30

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: RS

pH Strip Lot#: N/A

Hood ID: 3,7

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	PP24627
Surrogate	1.0ML	200 PPB	PP24663
Spike Sol 2	2.0ML	1000 PPB	PP24622
Spike Sol 3	2.0ML	1000 PPB	PP24621
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

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
8/12/25	RS (Ext Lab)	T-P Pestip CB
11:35	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/12/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169206BL	PBLK206	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10			U1-1
PB169206BS	PLCS206	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10			2
Q2818-01	B-2-5-1	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	B		3
Q2818-02	B-3-5-2	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10	B		4
Q2819-06	11M-S	Pesticide-TCL	30.05	N/A	ritesh	RUPESH	10	E		5
Q2819-11	84SB-W	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E		6
Q2819-14	17M-W	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	E		U2-1
Q2819-14MS	17M-WMS	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E		2
Q2819-14MS D	17M-WMSD	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		3
Q2820-09	705R-S	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		4
Q2820-10	SOIL-DUP-2	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		5
Q2820-24	22M-S	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10	E		6
Q2823-01	SU-04-081125	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		U3-1
Q2827-01	TP-8	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	E		2
Q2827-05	TP-9	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E	Gasoline Smell	3
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		4
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		5
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		6
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		U6-1
Q2831-01	VNJ-238	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	B		2
	CHLORDANE		30.03				10			3
	TOXAPHENE		30.02				10			4

RS
8/12

69208
90269
9116

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2818P WorkList ID : 191214 Department : Extraction Date : 08-12-2025 08:10:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2818-01	B-2-5-1	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	D31	08/11/2025	8081B
Q2818-02	B-3-5-2	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	D31	08/11/2025	8081B
Q2819-06	11M-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2819-11	84SB-W	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2819-14	17M-W	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2820-09	705R-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/07/2025	8081B
Q2820-10	SOIL-DUP-2	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/07/2025	8081B
Q2820-24	22M-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/08/2025	8081B
Q2823-01	SU-04-081125	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	08/11/2025	8081B
Q2827-01	TP-8	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2827-05	TP-9	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-01	BIN009-DRIVEWAY-TP-SOUTH	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-03	BIN009-DRIVEWAY-TP-WEST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-05	BIN009-DRIVEWAY-TP-WEST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-07	BIN009-DRIVEWAY-TP-EASTS	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2831-01	VNJ-238	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D21	08/11/2025	8081B

Date/Time 08/12/25 8:10
Raw Sample Received by: RJ C (EAT-066)
Raw Sample Relinquished by: [Signature]

Date/Time 08/12/25 8:40
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ C (EAT-066)

Prep Standard - Chemical Standard Summary

Order ID : Q2818

Test : Pesticide-TCL

Prepbatch ID : PB169206,

Sequence ID/Qc Batch ID: pd081325,PD081525,

Standard ID :

EP2627,EP2632,PP24257,PP24259,PP24329,PP24433,PP24621,PP24622,PP24627,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,

Chemical ID :

E3875,E3877,E3914,E3927,E3937,E3941,E3944,E3949,E3950,E3951,E3956,E3962,P12604,P12610,P12611,P13037,P13038,P13041,P13195,P13196,P13246,P13356,P13774,P13786,P13788,P13861,P13862,P9053,pp,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2627	07/15/2025	01/15/2026	RUPESEKUMAR SHAH	None	None	Riteshkumar Patel
07/15/2025								

FROM 4000.00000ml of E3949 + 4000.00000ml of E3950 = Final Quantity: 8000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESEKUMAR SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel
(EX-SC-2)								

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

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

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel
								04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24621	06/04/2025	09/10/2025	Abdul Mirza	None	None	Yogesh Patel
								06/11/2025

FROM 0.10000ml of P13861 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24622	06/04/2025	09/09/2025	Abdul Mirza	None	None	Yogesh Patel
								06/11/2025

FROM 0.10000ml of P12611 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24627	06/10/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel
								06/11/2025

FROM 95.00000ml of E3937 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel
								07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24739	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13041 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24741	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13196 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13788 + 9.00000ml of E3956 = Final Quantity: 10.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025
<u>FROM</u> 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
<u>FROM</u> 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24748	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24750	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24752	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24751 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP24754	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24746 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP24756	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24746 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24746 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	PP24758	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24756 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24747 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	PP24760	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24748 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	PP24762	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24748 = Final Quantity: 1.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								
<u>FROM</u>	0.50000ml of PP24749 = Final Quantity: 1.000 ml							

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml	Z0830QB1	04/18/2026	05/30/2025 / RUPESH	03/13/2025 / RUPESH	E3927

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/22/2025	05/22/2025 / RUPESH	05/14/2025 / RUPESH	E3937

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12604

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12610

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	01/21/2026	07/21/2025 / Abdul	05/03/2024 / Ankita	P13774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	01/21/2026	07/21/2025 / Abdul	11/19/2024 / Ankita	P13788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	01/21/2026	07/21/2025 / Abdul	11/01/2019 / Stephen	P9053

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



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

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

Harout Sahagian **E3877**

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

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 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

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Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



Agela Technologies

Made in China

固相萃取产品

E3927



Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3937

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001



Recd. by RI on 6/11/25

E3941

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.
 *Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

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

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Reel on 7/2/25

E3949

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

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



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

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

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Recd on 7/02/25

Jamie Croak
Director Quality Operations, Bioscience Production



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

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

 **avantors**[™]



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

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

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956



Jamie Croak
Director Quality Operations, Bioscience Production

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



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

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

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production

RESTEK

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

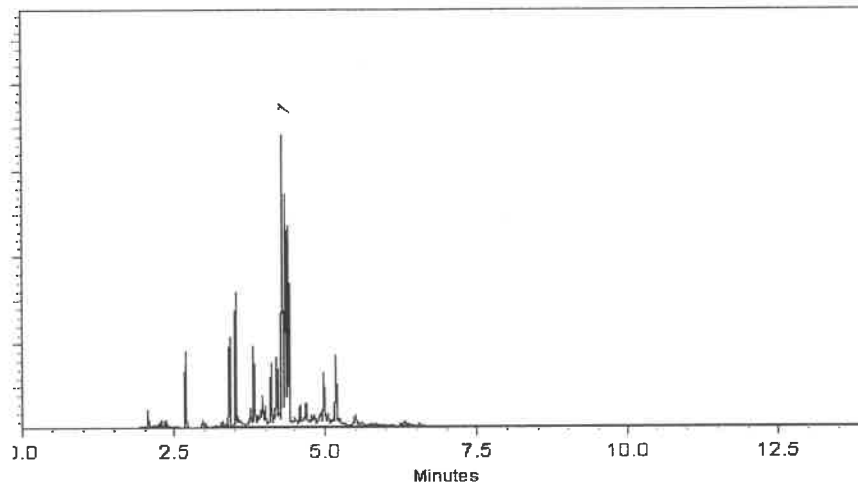
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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

CRm
P12611
↓
P12615
⑤
CRout
7/3/2023



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

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

Container Size : 2 mL Pkg Amt: > 1 mL

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

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

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

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

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

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

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

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

Carrier Gas:
 helium-constant pressure 20 psi.

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

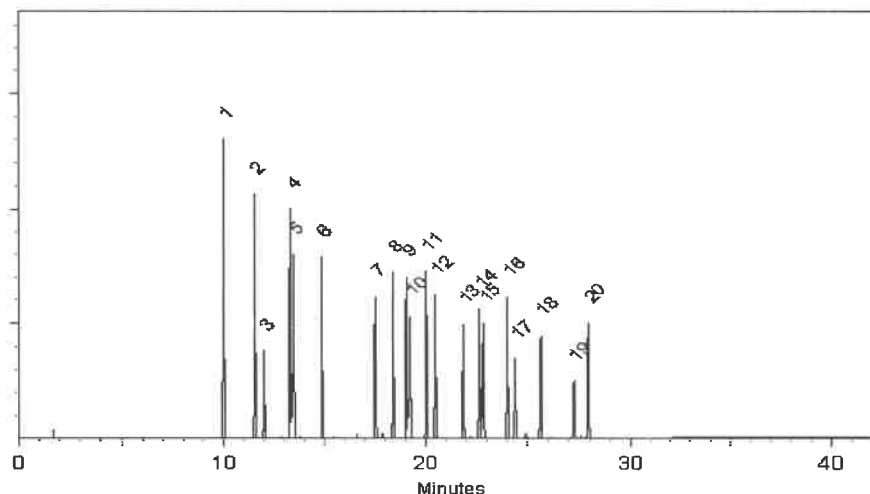
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



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

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone
Lot# 81025

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

SE-05 Balance Uncertainty
0.006 Flask Uncertainty

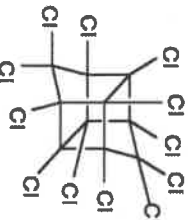
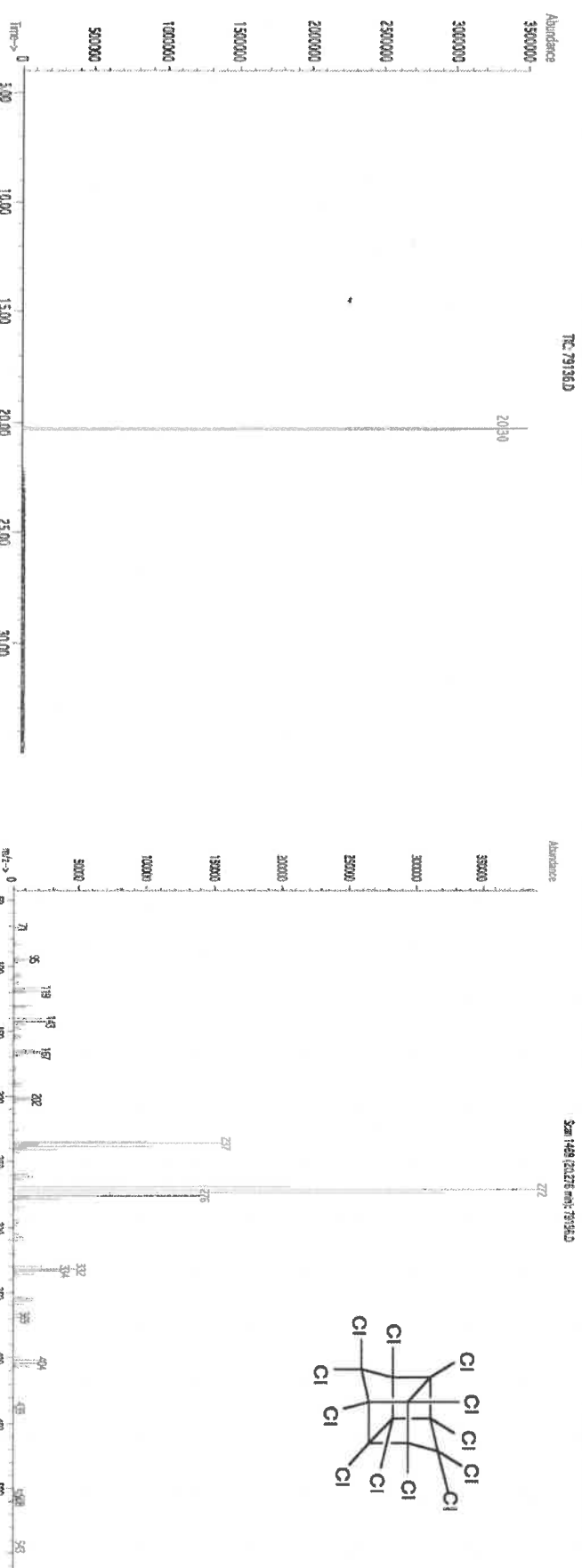
Weight(s) shown below were combined and diluted to (mL): 50.0

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

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50

1. Mirex 437 9492400 1000 99.4 0.5 0.05034 0.05040 1001.1 10.3 2385-85-5 N/A or-rel:306mg/kg

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



P13195
P13199
P13199
P13195
01/17/2024

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

01/17/2024
JALIN

5

**CERTIFIED WEIGHT REPORT**

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

Solvent(s):	Lot#
Acetone	81025

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

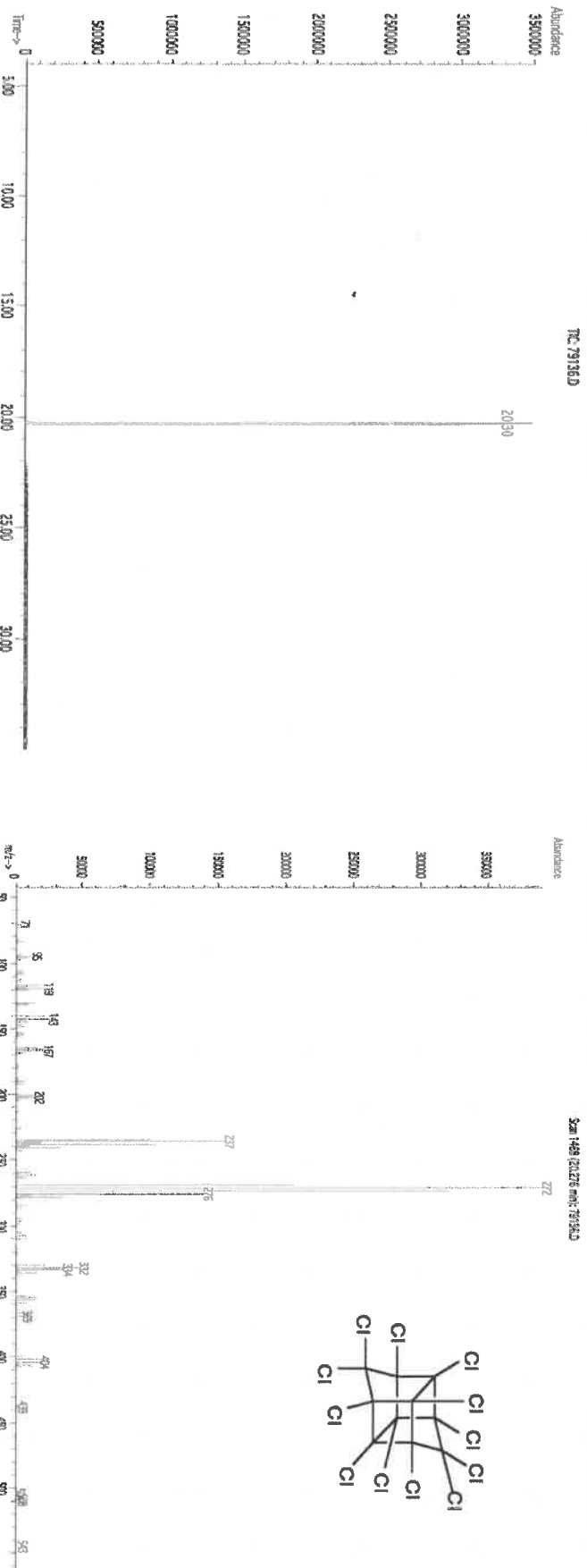
5E-05	Balance Uncertainty
0.006	Flask Uncertainty

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

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

1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	off-rat 306mg/kg
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Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



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

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

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

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

01/17/2024
JALIN

5



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

P 12603
↓
P 12605
3
Kauf
7/3/2023

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

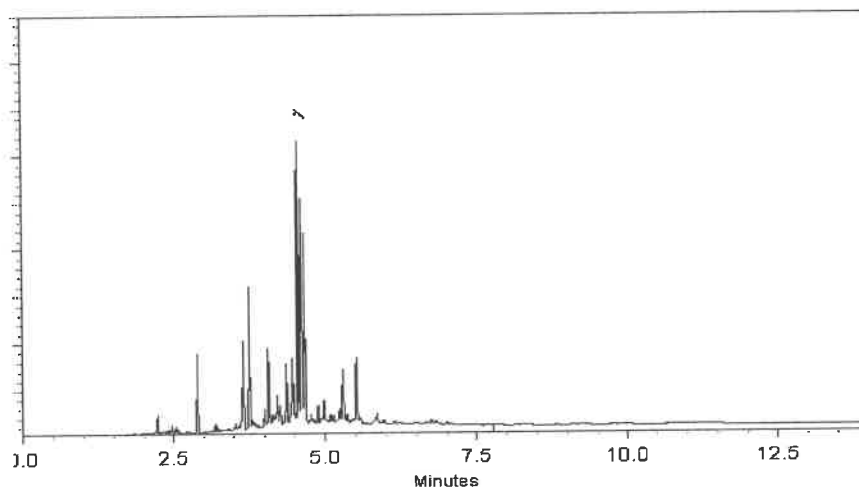
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Morgan Craighead - Mix Technician

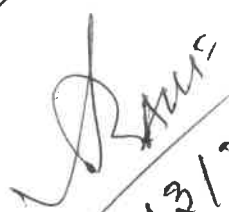
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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

P 12603 } (3)
↓
P 12605

7/3/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis *chromatographic plus*



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Handwritten: P 12606
P 12610
5 Five
7/3/2023

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. { hold 10 min.}

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

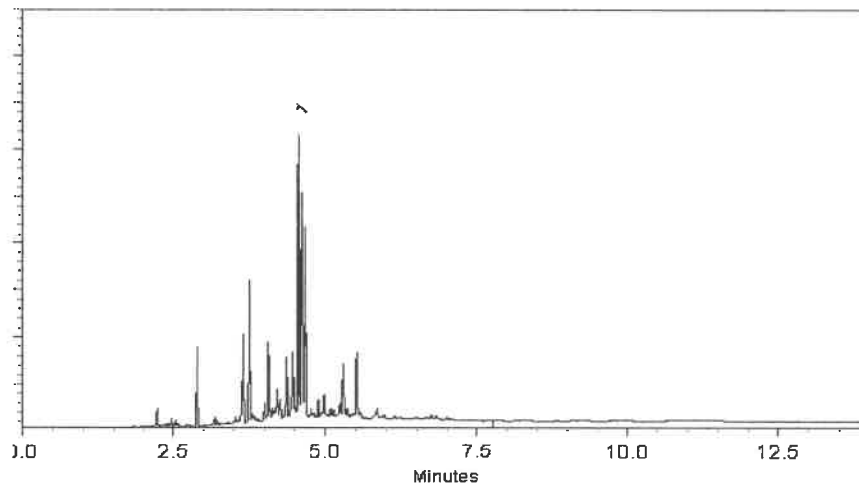
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Organochlorine Pesticide Mix AB #1

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

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

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

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

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

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

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

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

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

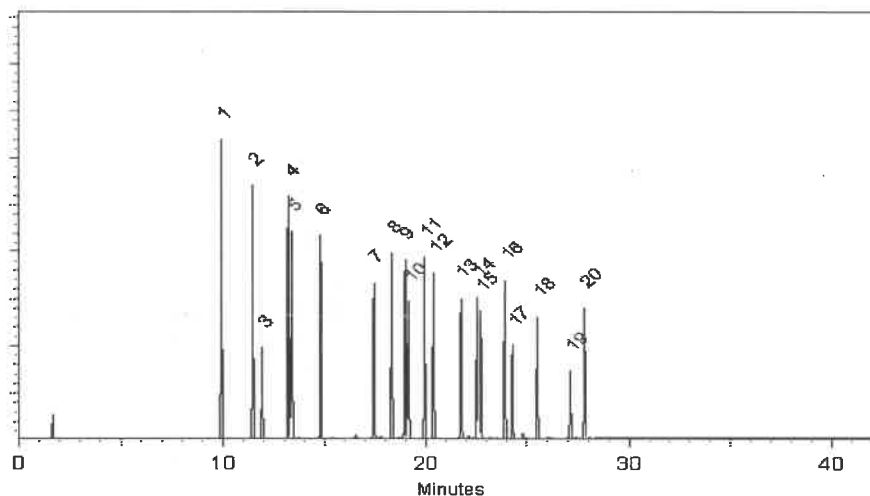
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Organochlorine Pesticide Mix AB #1

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

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

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

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

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

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

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

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

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

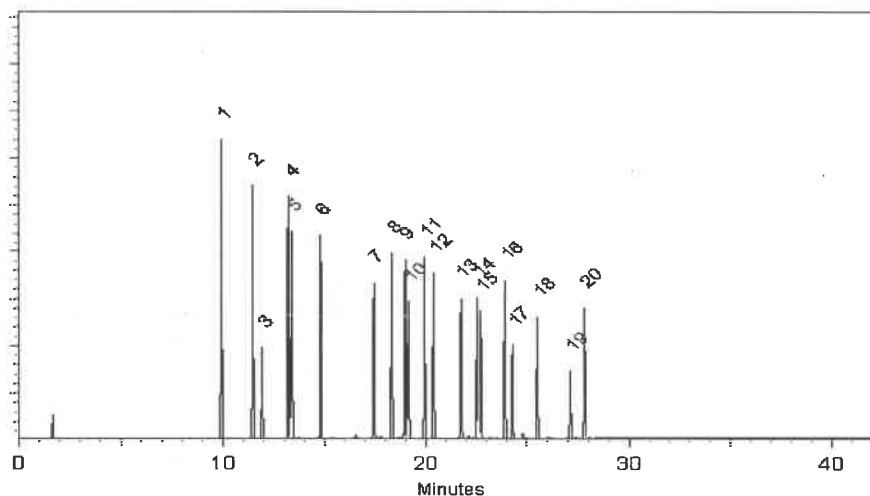
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):

9 components
013129
Refrigerate (4 °C)

Solvent(s):
Hexane
Toluene
273615
28508
(50%)
(50%)

NIST Test ID#:

6UTB

5E-05
Balance Uncertainty
Pipet Uncertainty

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

100.0

0.021

Balance Uncertainty
Pipet Uncertainty

Formulated By: <i>Lawrence Barry</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		013124
DATE		DATE

Compound

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (±) µg/mL	CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	or-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	or-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	or-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	or-rat 36300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	or-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0206810

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

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

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

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

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

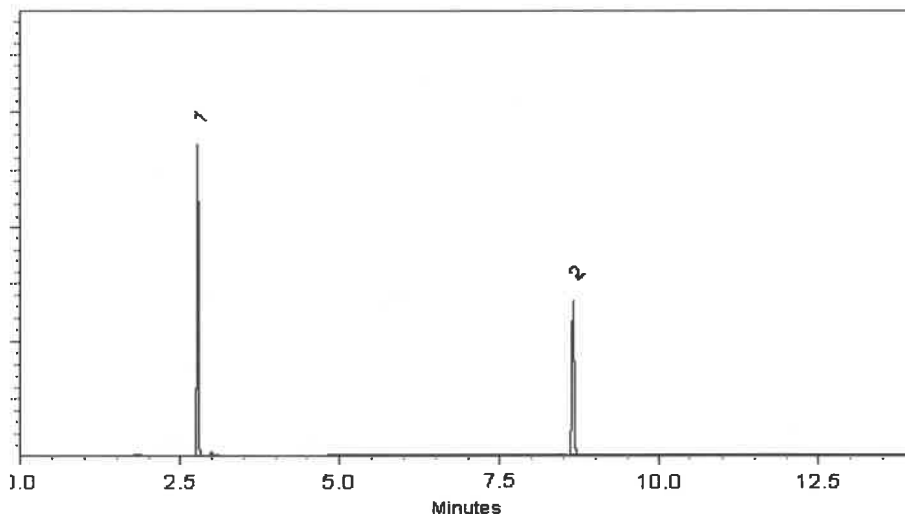
ECD

Split Vent:

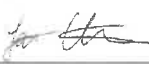
10 ml/min.

Inj. Vol

1µl

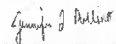


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

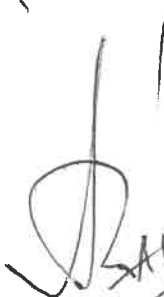
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357
10


SAUF
04/25/2025

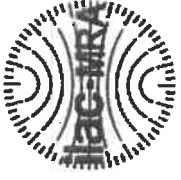


110 Benner Circle
Belleville, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis *chromatographic plus*



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	—%	1,009.0 µg/mL	+/- 55.9920

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

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

Handwritten notes and signatures:

- Signature: *[Signature]*
- Date: *11/19/24*
- Text: *P13779*
- Text: *P13773*

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

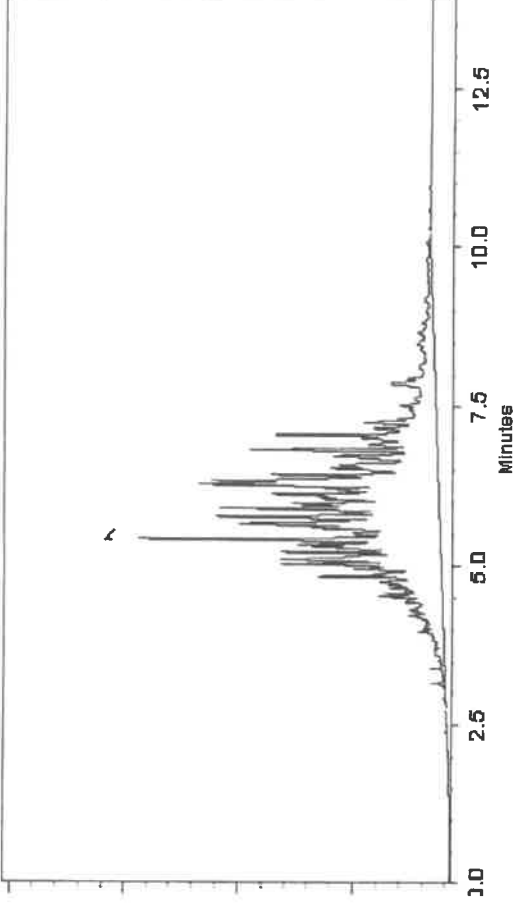
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

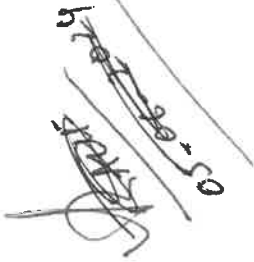
Inj. Vol
0.2µl



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

 Dakota Parson - Operations Technician I	Date Mixed: 10-Oct-2023	Balance Serial # 1128353505
Jennifer Pollino - Operations Tech III - ARM QC	Date Passed: 16-Oct-2023	

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

 P13773
P19779
A7
11/19/24




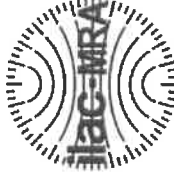
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Pesticide Surrogate Mix

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

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

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

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

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

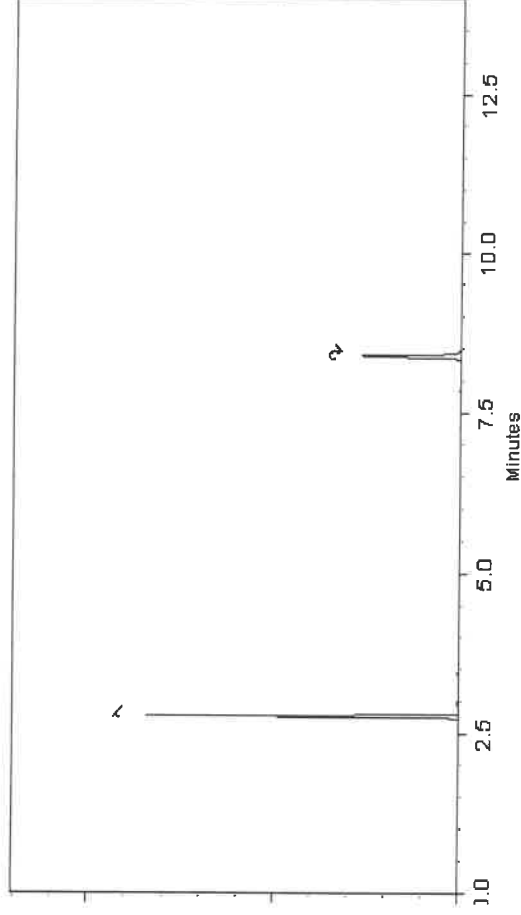
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

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

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

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



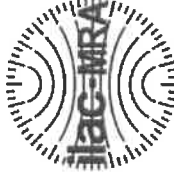
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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chromatographic plus



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

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

Description : Pesticide Surrogate Mix

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

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

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

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

P19785
AJ
11/19/24
P19789

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

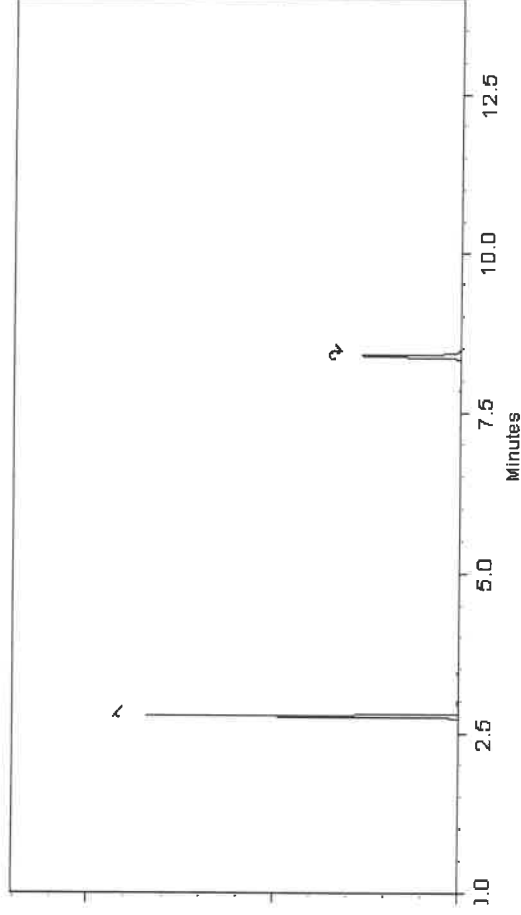
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

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

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

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

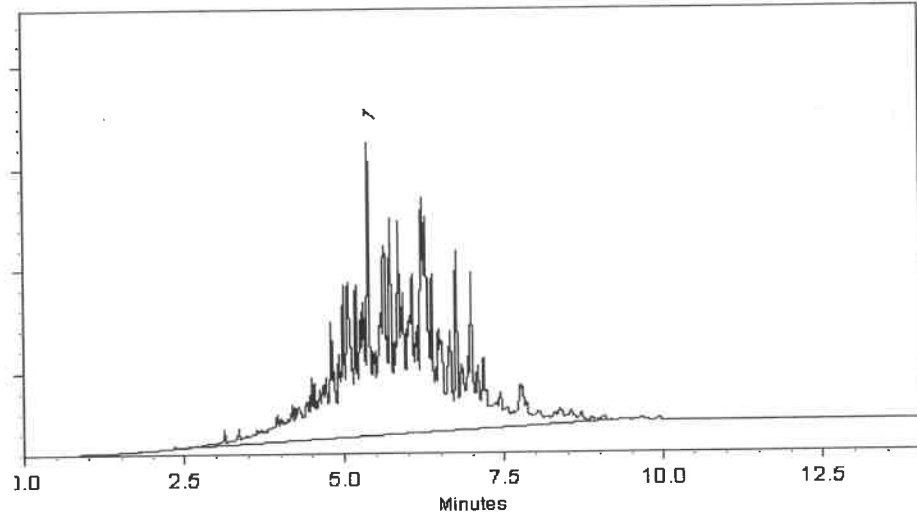
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

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

P13861 } ②
P13862 }


12/9/2024



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

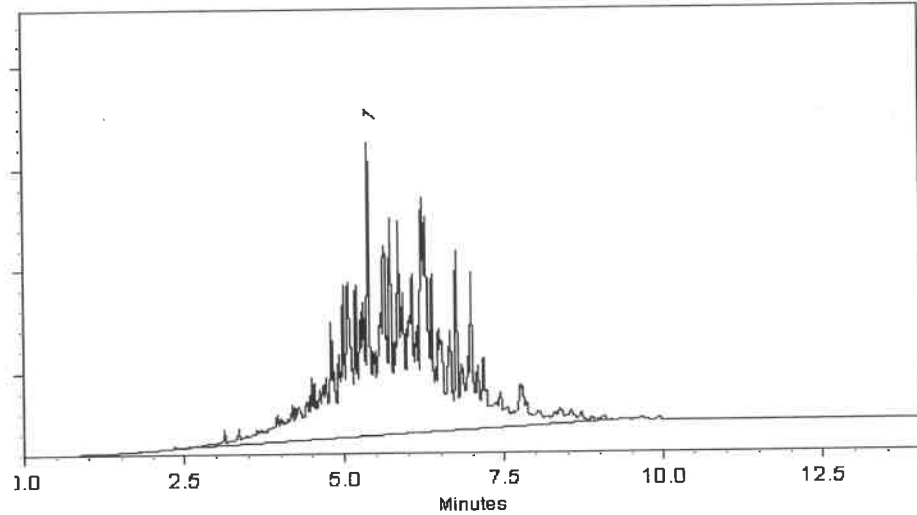
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

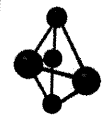

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

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

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

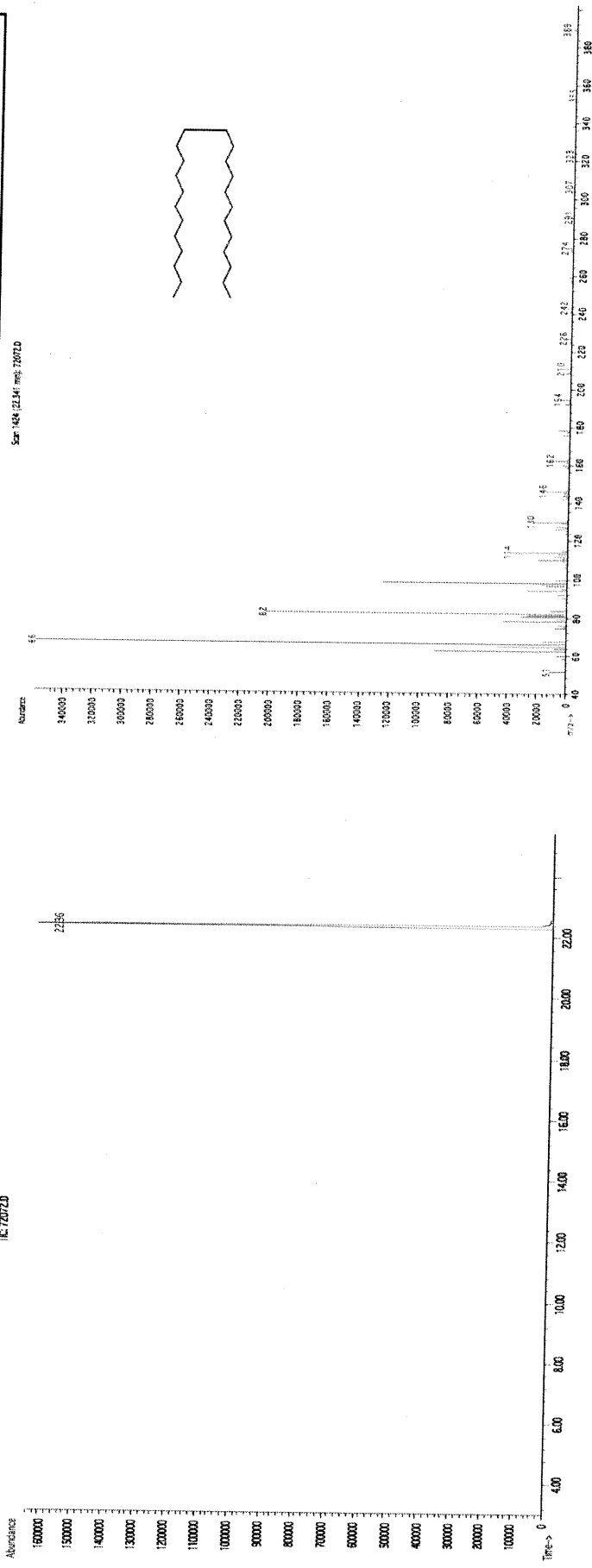
Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50
Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): Methylene chloride
Lot#: 102669
Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Prashant Chauhan	112018	DATE
Reviewed By:	Pedro Rentas	112018	DATE

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

TC 720720



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



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

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

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

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

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

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

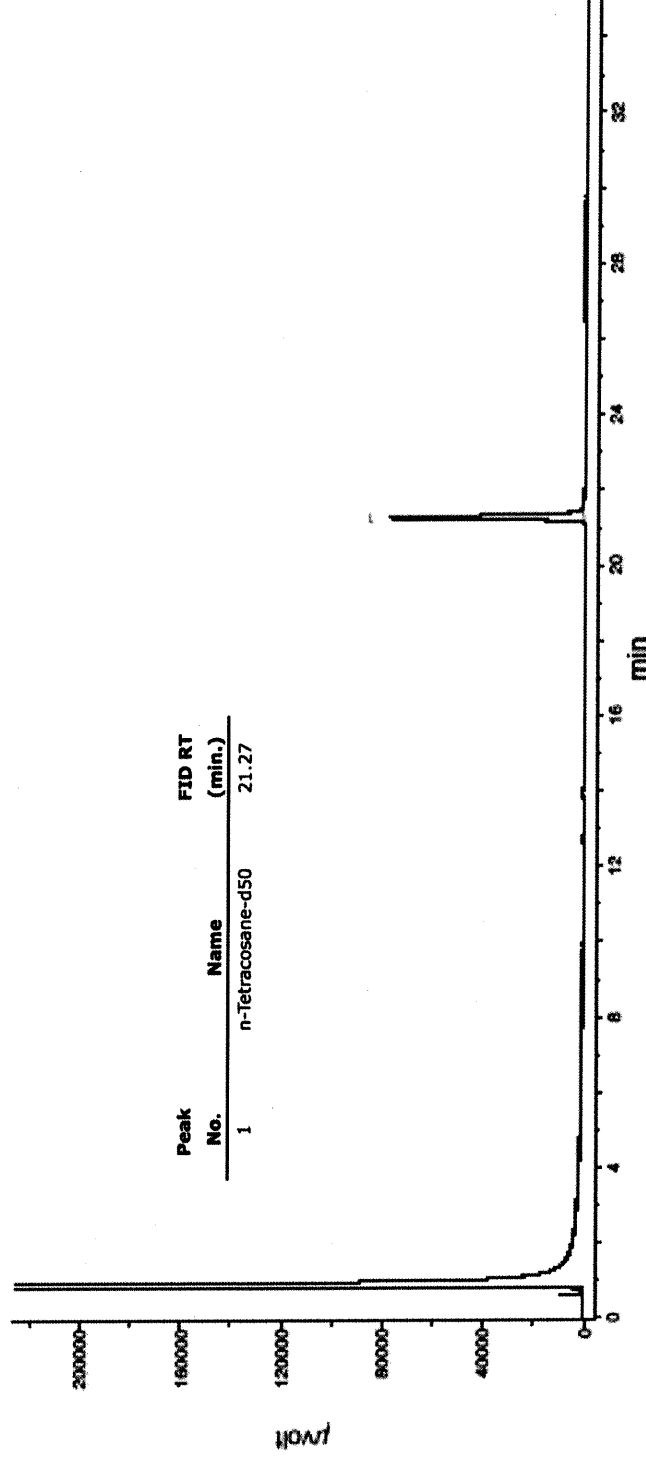
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL,

Air (detector) = 360 mL

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

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

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



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

avantor™



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

Certificate of Analysis

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

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

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

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: EARTH ENGINEERING INCORPORATED
ADDRESS: 403 Commerce Lane
CITY West Berlin STATE: NJ ZIP: 08091
ATTENTION: Frank Dougherty
PHONE: 856-768-1001 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Reserve @ Turgyan Farms
PROJECT NO. 38745.J0 LOCATION: NJ
PROJECT MANAGER: Frank Dougherty
e-mail: Frank.d@earthengineering.com
PHONE: 856-768-1001 FAX:

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 3 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. TCL/TAL
2. EPH AF
3.
4.
5.
6.
7.
8.
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	B-2-5-1	Soil	☒	☒	8-11-25	8:50	3	X	X								
2.	B-3-5-2	Soil	☒	☒	8-11-25	9:35	3	X	X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: <u>1. [Signature]</u>	DATE/TIME: <u>8-11-25</u>	RECEIVED BY: <u>1. [Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>6.1</u> °C
RELINQUISHED BY SAMPLER: <u>2. [Signature]</u>	DATE/TIME:	RECEIVED BY: <u>2. [Signature]</u>	Comments:
RELINQUISHED BY SAMPLER: <u>3. [Signature]</u>	DATE/TIME:	RECEIVED BY: <u>3. [Signature]</u>	Page <u>1</u> of <u>1</u> CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

DP 08/16/2025

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2818	EARTH03	Order Date : 8/11/2025 11:57:00 AM	Project Mgr :
Client Name : Earth Engineering Inc.		Reserve Turgyan Farms	Report Type : NJ Reduced
Client Contact : Frank Dougherty, LSRP		Project Name : Leon Avenue	EDD Type : EXCEL NJCLEANUP
Invoice Name : Earth Engineering Inc.		Receive DateTime : 8/11/2025 11:47:00 AM	Hard Copy Date :
Invoice Contact : Frank Dougherty, LSRP		Purchase Order :	Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2818-01	B-2-5-1	Solid	08/11/2025	08:50					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	3 Bus. Days	
Q2818-02	B-3-5-2	Solid	08/11/2025	09:35					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	3 Bus. Days	

JAN

Stored in VOA Freezer #02
after preservation

Relinquished By:

Date / Time: 8-11-24 1240

Received By:

Date / Time:

mm Tach

8-11-25

12:40 pm

Storage Area : VOA Refridgerator Room