

Cover Page

Order ID : Q2651

Project ID : Leon Avenue

Client : Earth Engineering Inc.

Lab Sample Number

Q2651-01
Q2651-02
Q2651-03
Q2651-04
Q2651-05

Client Sample Number

MH 2-1
MH 6-5
MH 7-6
MH 8-7
MH 9-8

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

Signature : _____

Date: 7/23/2025

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 #: Q2651

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 Castody

✓

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: 07/23/2025

LAB CHRONICLE

OrderID: Q2651
Client: Earth Engineering Inc.
Contact: Frank Dougherty, LSRP

OrderDate: 7/18/2025 2:29:11 PM
Project: Leon Avenue
Location: O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-02	MH 6-5	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-03	MH 7-6	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-04	MH 8-7	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-05	MH 9-8	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25

Hit Summary Sheet
SW-846

SDG No.: Q2651

Order ID: Q2651

Client: Earth Engineering Inc.

Project ID: Leon Avenue

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MH 2-1								
Q2651-01	MH 2-1	SOIL	4,4-DDE	0.37	J	0.15	1.80	ug/kg
Q2651-01	MH 2-1	SOIL	4,4-DDT	0.18	J	0.15	1.80	ug/kg
Total Concentration:				0.550				
Client ID : MH 6-5								
Q2651-02	MH 6-5	SOIL	4,4-DDE	4.00		0.15	1.80	ug/kg
Q2651-02	MH 6-5	SOIL	4,4-DDD	1.30	J	0.16	1.80	ug/kg
Q2651-02	MH 6-5	SOIL	4,4-DDT	11.5		0.15	1.80	ug/kg
Total Concentration:				16.800				
Client ID : MH 7-6								
Q2651-03	MH 7-6	SOIL	4,4-DDE	5.30		0.15	1.80	ug/kg
Q2651-03	MH 7-6	SOIL	4,4-DDT	3.70		0.15	1.80	ug/kg
Total Concentration:				9.000				
Client ID : MH 8-7								
Q2651-04	MH 8-7	SOIL	4,4-DDE	13.0		0.15	1.80	ug/kg
Q2651-04	MH 8-7	SOIL	4,4-DDD	5.20		0.16	1.80	ug/kg
Q2651-04	MH 8-7	SOIL	4,4-DDT	12.7		0.15	1.80	ug/kg
Total Concentration:				30.900				
Client ID : MH 9-8								
Q2651-05	MH 9-8	SOIL	4,4-DDE	0.85	J	0.15	1.80	ug/kg
Q2651-05	MH 9-8	SOIL	4,4-DDT	0.52	J	0.15	1.80	ug/kg
Total Concentration:				1.370				



QC SUMMARY

Surrogate Summary

SDG No.: **Q2651**

Client: **Earth Engineering Inc.**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PL096237.D	PIBLK-PL096237.D	Decachlorobiphen	1	20	19.5	98		57	171
		Tetrachloro-m-xyl	1	20	17.9	89		61	148
		Decachlorobiphen	2	20	20.1	100		57	171
		Tetrachloro-m-xyl	2	20	18.9	94		61	148
I.BLK-PL096479.D	PIBLK-PL096479.D	Decachlorobiphen	1	20	21.0	105		57	171
		Tetrachloro-m-xyl	1	20	20.5	103		61	148
		Decachlorobiphen	2	20	22.1	111		57	171
		Tetrachloro-m-xyl	2	20	22.4	112		61	148
PB168928BL	PB168928BL	Decachlorobiphen	1	20	19.3	97		20	144
		Tetrachloro-m-xyl	1	20	18.5	93		19	148
		Decachlorobiphen	2	20	21.0	105		20	144
		Tetrachloro-m-xyl	2	20	20.4	102		19	148
PB168928BS	PB168928BS	Decachlorobiphen	1	20	19.0	95		20	144
		Tetrachloro-m-xyl	1	20	18.0	90		19	148
		Decachlorobiphen	2	20	20.4	102		20	144
		Tetrachloro-m-xyl	2	20	20.0	100		19	148
Q2635-01MS	RT2286MS	Decachlorobiphen	1	20	17.1	86		20	144
		Tetrachloro-m-xyl	1	20	17.9	90		19	148
		Decachlorobiphen	2	20	14.8	74		20	144
		Tetrachloro-m-xyl	2	20	17.1	85		19	148
Q2635-01MSD	RT2286MSD	Decachlorobiphen	1	20	16.6	83		20	144
		Tetrachloro-m-xyl	1	20	18.2	91		19	148
		Decachlorobiphen	2	20	14.2	71		20	144
		Tetrachloro-m-xyl	2	20	17.2	86		19	148
Q2651-01	MH 2-1	Decachlorobiphen	1	20	16.1	81		20	144
		Tetrachloro-m-xyl	1	20	14.4	72		19	148
		Decachlorobiphen	2	20	13.4	67		20	144
		Tetrachloro-m-xyl	2	20	14.6	73		19	148
Q2651-02	MH 6-5	Decachlorobiphen	1	20	12.4	62		20	144
		Tetrachloro-m-xyl	1	20	13.7	68		19	148
		Decachlorobiphen	2	20	10.5	53		20	144
		Tetrachloro-m-xyl	2	20	14.4	72		19	148
Q2651-03	MH 7-6	Decachlorobiphen	1	20	20.2	101		20	144
		Tetrachloro-m-xyl	1	20	22.1	110		19	148
		Decachlorobiphen	2	20	18.5	93		20	144
		Tetrachloro-m-xyl	2	20	23.9	119		19	148
Q2651-04	MH 8-7	Decachlorobiphen	1	20	16.9	85		20	144
		Tetrachloro-m-xyl	1	20	20.7	103		19	148
		Decachlorobiphen	2	20	15.9	79		20	144
		Tetrachloro-m-xyl	2	20	22.0	110		19	148
Q2651-05	MH 9-8	Decachlorobiphen	1	20	13.0	65		20	144

Surrogate Summary

SDG No.: Q2651

Client: Earth Engineering Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q2651-05	MH 9-8	Tetrachloro-m-xyl	1	20	15.0	75		19	148
		Decachlorobiphen	2	20	11.0	55		20	144
		Tetrachloro-m-xyl	2	20	15.9	79		19	148
I.BLK-PL096492.D	PIBLK-PL096492.D	Decachlorobiphen	1	20	20.3	102		57	171
		Tetrachloro-m-xyl	1	20	20.6	103		61	148
		Decachlorobiphen	2	20	16.2	81		57	171
		Tetrachloro-m-xyl	2	20	22.3	112		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2651</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PL096485.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result								High	RPD
Lab Sample ID:	Q2635-01MS (Column 1)	Client Sample ID:		RT2286MS								
	alpha-BHC	19.63	0	18.9	ug/kg	96				60	144	
	beta-BHC	19.63	0	16.9	ug/kg	86				54	143	
	delta-BHC	19.63	0	18.2	ug/kg	93				29	151	
	gamma-BHC (Lindane)	19.63	0	18.5	ug/kg	94				61	140	
	Heptachlor	19.63	0	18.9	ug/kg	96				63	135	
	Aldrin	19.63	1.1	19.0	ug/kg	91				49	139	
	Heptachlor epoxide	19.63	0	21.0	ug/kg	107				41	156	
	Endosulfan I	19.63	0	18.9	ug/kg	96				56	142	
	Dieldrin	19.63	2.4	20.1	ug/kg	90				47	161	
	4,4'-DDE	19.63	0	17.2	ug/kg	88				55	136	
	Endrin	19.63	1.2	21.0	ug/kg	101				57	139	
	Endosulfan II	19.63	0.95	19.4	ug/kg	94				40	163	
	4,4'-DDD	19.63	0	24.9	ug/kg	127				47	163	
	Endosulfan sulfate	19.63	1.7	20.6	ug/kg	91				62	139	
	4,4'-DDT	19.63	0.41	19.3	ug/kg	80				51	146	
	Methoxychlor	19.63	0	20.8	ug/kg	106				54	136	
	Endrin ketone	19.63	0	25.6	ug/kg	130	*			60	129	
	Endrin aldehyde	19.63	0	23.0	ug/kg	117				59	132	
	alpha-Chlordane	19.63	0.42	18.4	ug/kg	92				39	166	
	gamma-Chlordane	19.63	0	19.0	ug/kg	97				44	175	
Lab Sample ID:	Q2635-01MS (Column 2)	Client Sample ID:		RT2286MS								
	alpha-BHC	19.63	0	17.1	ug/kg	87				60	144	
	beta-BHC	19.63	0	15.4	ug/kg	78				54	143	
	delta-BHC	19.63	0	16.6	ug/kg	85				29	151	
	gamma-BHC (Lindane)	19.63	0	16.8	ug/kg	86				61	140	
	Heptachlor	19.63	0	17.1	ug/kg	87				63	135	
	Aldrin	19.63	0.99	17.5	ug/kg	89				49	139	
	Heptachlor epoxide	19.63	0	16.5	ug/kg	84				41	156	
	Endosulfan I	19.63	0	13.7	ug/kg	70				56	142	
	Dieldrin	19.63	2.1	18.3	ug/kg	93				47	161	
	4,4'-DDE	19.63	0	15.5	ug/kg	79				55	136	
	Endrin	19.63	0.85	16.9	ug/kg	86				57	139	
	Endosulfan II	19.63	1	16.9	ug/kg	86				40	163	
	4,4'-DDD	19.63	0	16.1	ug/kg	82				47	163	
	Endosulfan sulfate	19.63	2.8	19.1	ug/kg	97				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2651</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PL096485.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
		Result	Result							High	RPD
4,4'-DDT	19.63	3.6	19.4	ug/kg	99				51	146	
Methoxychlor	19.63	0	15.9	ug/kg	81				54	136	
Endrin ketone	19.63	0	15.9	ug/kg	81				60	129	
Endrin aldehyde	19.63	0	19.2	ug/kg	98				59	132	
alpha-Chlordane	19.63	0.32	14.8	ug/kg	75				39	166	
gamma-Chlordane	19.63	0	16.8	ug/kg	86				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2651</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PL096486.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits		
			Qual	RPD			Qual	Low	High	RPD		
Lab Sample ID:	Q2635-01MSD	Client Sample ID:		RT2286MSD								
	(Column 1)											
	alpha-BHC	19.62	0	18.9	ug/kg	96		0		60	144	20
	beta-BHC	19.62	0	16.9	ug/kg	86		0		54	143	20
	delta-BHC	19.62	0	18.2	ug/kg	93		0		29	151	20
	gamma-BHC (Lindane)	19.62	0	18.5	ug/kg	94		0		61	140	20
	Heptachlor	19.62	0	18.8	ug/kg	96		0		63	135	20
	Aldrin	19.62	1.1	18.8	ug/kg	90		1		49	139	20
	Heptachlor epoxide	19.62	0	20.8	ug/kg	106		1		41	156	20
	Endosulfan I	19.62	0	18.7	ug/kg	95		1		56	142	20
	Dieldrin	19.62	2.4	19.7	ug/kg	88		2		47	161	20
	4,4'-DDE	19.62	0	17.1	ug/kg	87		1		55	136	20
	Endrin	19.62	1.2	20.7	ug/kg	99		2		57	139	20
	Endosulfan II	19.62	0.95	19.3	ug/kg	93		1		40	163	20
	4,4'-DDD	19.62	0	24.8	ug/kg	126		1		47	163	20
	Endosulfan sulfate	19.62	1.7	20.3	ug/kg	89		2		62	139	20
	4,4'-DDT	19.62	0.41	19.9	ug/kg	83		4		51	146	20
	Methoxychlor	19.62	0	20.5	ug/kg	104		2		54	136	20
	Endrin ketone	19.62	0	25.6	ug/kg	130	*	0		60	129	20
	Endrin aldehyde	19.62	0	22.6	ug/kg	115		2		59	132	20
	alpha-Chlordane	19.62	0.42	18.7	ug/kg	93		1		39	166	20
	gamma-Chlordane	19.62	0	18.6	ug/kg	95		2		44	175	20
Lab Sample ID:	Q2635-01MSD	Client Sample ID:		RT2286MSD								
	(Column 2)											
	alpha-BHC	19.62	0	17.2	ug/kg	88		1		60	144	20
	beta-BHC	19.62	0	15.4	ug/kg	78		0		54	143	20
	delta-BHC	19.62	0	16.6	ug/kg	85		0		29	151	20
	gamma-BHC (Lindane)	19.62	0	16.9	ug/kg	86		0		61	140	20
	Heptachlor	19.62	0	17.1	ug/kg	87		0		63	135	20
	Aldrin	19.62	0.99	17.5	ug/kg	89		0		49	139	20
	Heptachlor epoxide	19.62	0	16.5	ug/kg	84		0		41	156	20
	Endosulfan I	19.62	0	13.6	ug/kg	69		1		56	142	20
	Dieldrin	19.62	2.1	17.9	ug/kg	91		2		47	161	20
	4,4'-DDE	19.62	0	15.3	ug/kg	78		1		55	136	20
	Endrin	19.62	0.85	16.8	ug/kg	86		0		57	139	20
	Endosulfan II	19.62	1	16.7	ug/kg	85		1		40	163	20
	4,4'-DDD	19.62	0	15.9	ug/kg	81		1		47	163	20
	Endosulfan sulfate	19.62	2.8	18.7	ug/kg	95		2		62	139	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2651</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Earth Engineering Inc.</u>	DataFile :	<u>PL096486.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Limits High	RPD
		Result	Result				RPD	Qual		
4,4'-DDT	19.62	3.6	19.0	ug/kg	97		2		51	20
Methoxychlor	19.62	0	16.3	ug/kg	83		2		54	20
Endrin ketone	19.62	0	14.8	ug/kg	75		8		60	20
Endrin aldehyde	19.62	0	18.9	ug/kg	96		2		59	20
alpha-Chlordane	19.62	0.32	14.7	ug/kg	75		0		39	20
gamma-Chlordane	19.62	0	16.8	ug/kg	86		0		44	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651

Analytical Method: 8081B

Client: Earth Engineering Inc.

Datafile : PL096483.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168928BS (Column 1)	alpha-BHC	16.66	17.6	ug/kg	106				84	123	
	beta-BHC	16.66	17.4	ug/kg	104				82	123	
	delta-BHC	16.66	18.0	ug/kg	108				83	126	
	gamma-BHC (Lindane)	16.66	17.2	ug/kg	103				83	125	
	Heptachlor	16.66	17.3	ug/kg	104				83	122	
	Aldrin	16.66	17.1	ug/kg	103				82	124	
	Heptachlor epoxide	16.66	18.7	ug/kg	112				83	120	
	Endosulfan I	16.66	17.2	ug/kg	103				81	124	
	Dieldrin	16.66	17.2	ug/kg	103				85	121	
	4,4'-DDE	16.66	17.3	ug/kg	104				81	123	
	Endrin	16.66	17.1	ug/kg	103				76	130	
	Endosulfan II	16.66	18.1	ug/kg	109				80	125	
	4,4'-DDD	16.66	18.4	ug/kg	110				80	131	
	Endosulfan sulfate	16.66	17.7	ug/kg	106				81	122	
	4,4'-DDT	16.66	16.1	ug/kg	97				70	129	
	Methoxychlor	16.66	15.4	ug/kg	92				60	119	
	Endrin ketone	16.66	17.9	ug/kg	107				77	132	
	Endrin aldehyde	16.66	20.7	ug/kg	124				79	124	
	alpha-Chlordane	16.66	17.1	ug/kg	103				84	120	
	gamma-Chlordane	16.66	17.2	ug/kg	103				83	122	
PB168928BS (Column 2)	alpha-BHC	16.66	19.3	ug/kg	116				84	123	
	beta-BHC	16.66	18.2	ug/kg	109				82	123	
	delta-BHC	16.66	19.0	ug/kg	114				83	126	
	gamma-BHC (Lindane)	16.66	19.1	ug/kg	115				83	125	
	Heptachlor	16.66	18.5	ug/kg	111				83	122	
	Aldrin	16.66	19.0	ug/kg	114				82	124	
	Heptachlor epoxide	16.66	18.6	ug/kg	112				83	120	
	Endosulfan I	16.66	16.2	ug/kg	97				81	124	
	Dieldrin	16.66	18.8	ug/kg	113				85	121	
	4,4'-DDE	16.66	18.7	ug/kg	112				81	123	
	Endrin	16.66	17.1	ug/kg	103				76	130	
	Endosulfan II	16.66	18.6	ug/kg	112				80	125	
	4,4'-DDD	16.66	20.7	ug/kg	124				80	131	
	Endosulfan sulfate	16.66	19.0	ug/kg	114				81	122	
	4,4'-DDT	16.66	16.4	ug/kg	98				70	129	
	Methoxychlor	16.66	16.2	ug/kg	97				60	119	
	Endrin ketone	16.66	19.1	ug/kg	115				77	132	
	Endrin aldehyde	16.66	19.0	ug/kg	114				79	124	
	alpha-Chlordane	16.66	17.0	ug/kg	102				84	120	
	gamma-Chlordane	16.66	18.7	ug/kg	112				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168928BL

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: PB168928BL

Lab File ID: PL096482.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/21/2025

Date Analyzed (1): 07/21/2025

Date Analyzed (2): 07/21/2025

Time Analyzed (1): 12:57

Time Analyzed (2): 12:57

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168928BS	PB168928BS	PL096483.D	07/21/2025	07/21/2025
RT2286MS	Q2635-01MS	PL096485.D	07/21/2025	07/21/2025
RT2286MSD	Q2635-01MSD	PL096486.D	07/21/2025	07/21/2025
MH 2-1	Q2651-01	PL096487.D	07/21/2025	07/21/2025
MH 6-5	Q2651-02	PL096488.D	07/21/2025	07/21/2025
MH 7-6	Q2651-03	PL096489.D	07/21/2025	07/21/2025
MH 8-7	Q2651-04	PL096490.D	07/21/2025	07/21/2025
MH 9-8	Q2651-05	PL096491.D	07/21/2025	07/21/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	94.5 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
PL096487.D	1	07/21/25 08:30	07/21/25 14:32	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.37	J	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.18	J	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.1		20 - 144	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.6		19 - 148	73%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 2-1		SDG No.:	Q2651	
Lab Sample ID:	Q2651-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	94.5	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
PL096487.D	1	07/21/25 08:30	07/21/25 14:32	PB168928

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
 Data File : PL096487.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 14:32
 Operator : AR\AJ
 Sample : Q2651-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MH 2-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
 Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:45:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.828	52593218	84096994	14.413	14.572
28)	SA Decachlor...	9.019	7.993	45291463	66631080	16.100	13.362
Target Compounds							
12)	B 4,4'-DDE	6.169	5.304	3942727	6718824	1.063	1.039
17)	MA 4,4'-DDT	6.990	6.108	1587006	2472439	0.523m	0.431m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:32
Operator : AR\AJ
Sample : Q2651-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

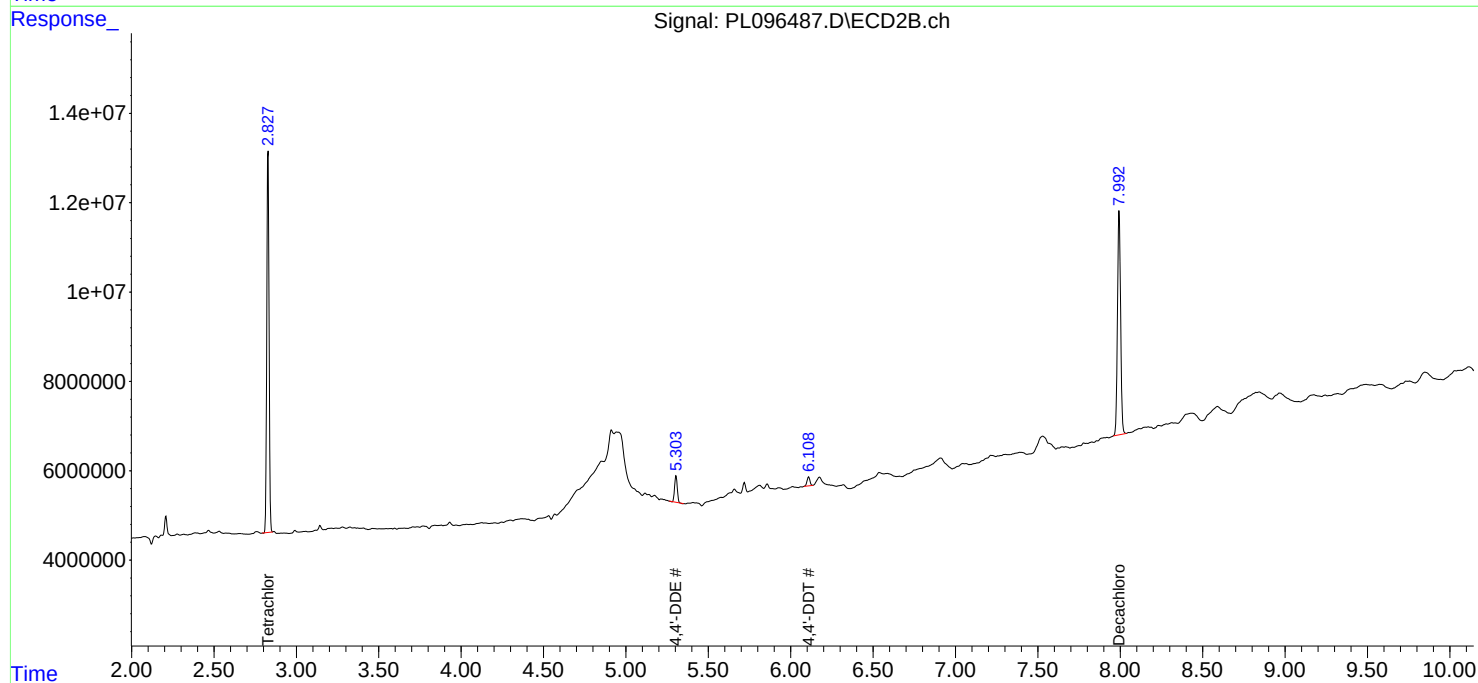
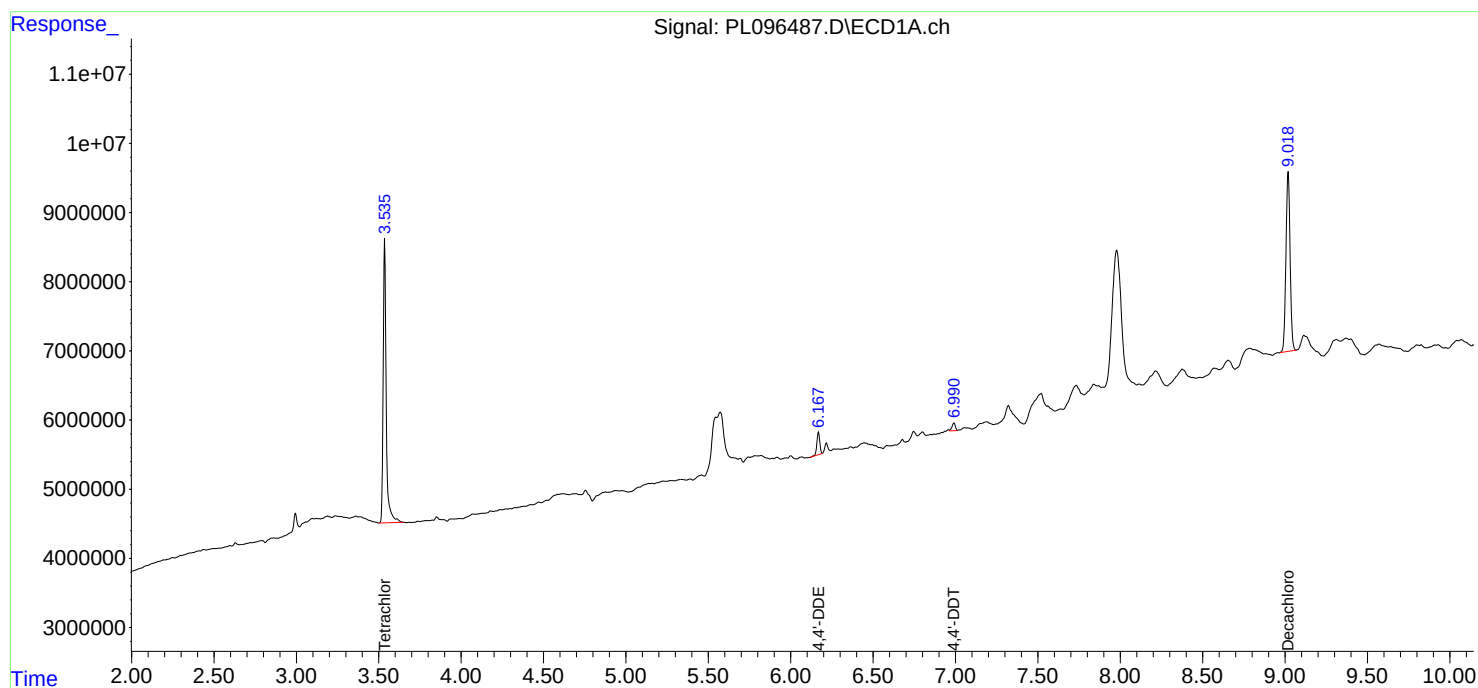
Instrument :
ECD_L
ClientSampleId :
MH 2-1

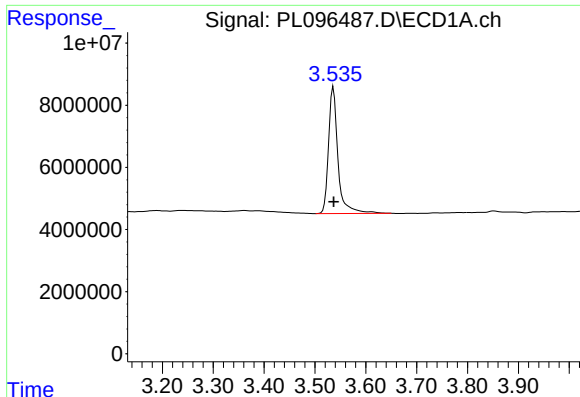
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/22/2025
Supervised By : mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:45:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





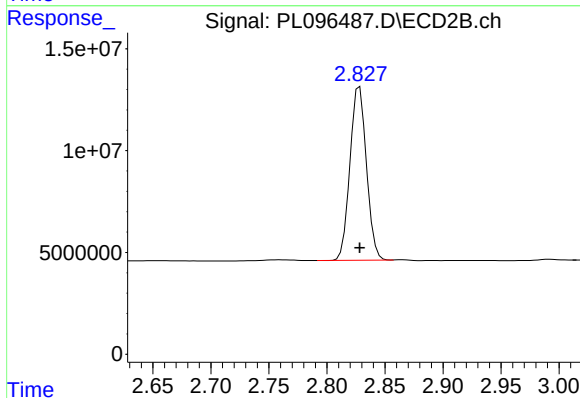
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 52593218
Conc: 14.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 2-1

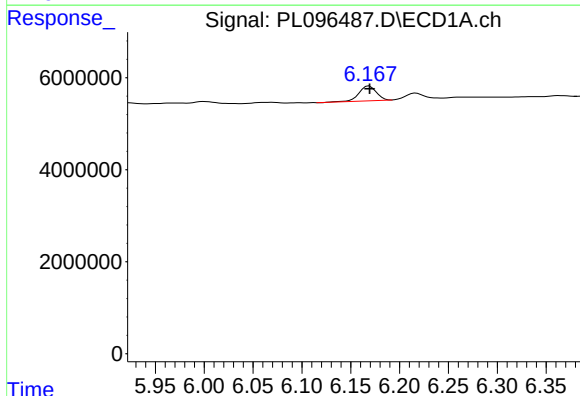
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



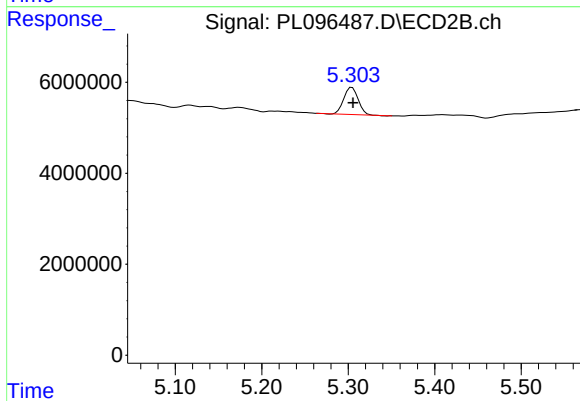
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 84096994
Conc: 14.57 ng/ml



#12 4,4'-DDE

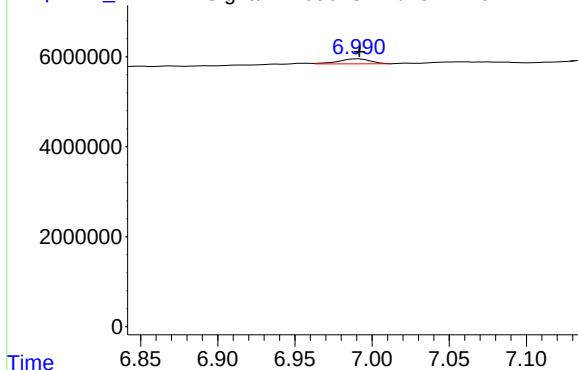
R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 3942727
Conc: 1.06 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.001 min
Response: 6718824
Conc: 1.04 ng/ml

Response_ Signal: PL096487.D\ECD1A.ch



#17 4,4'-DDT

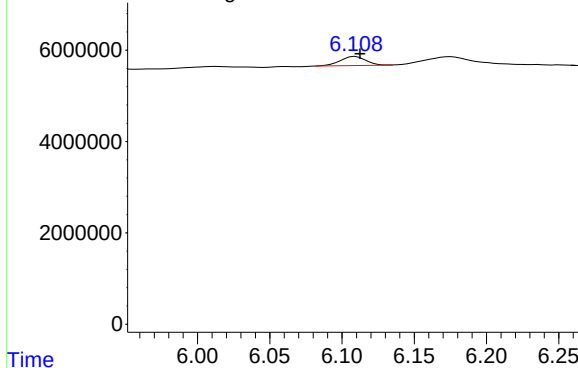
R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 1587006
Conc: 0.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 2-1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

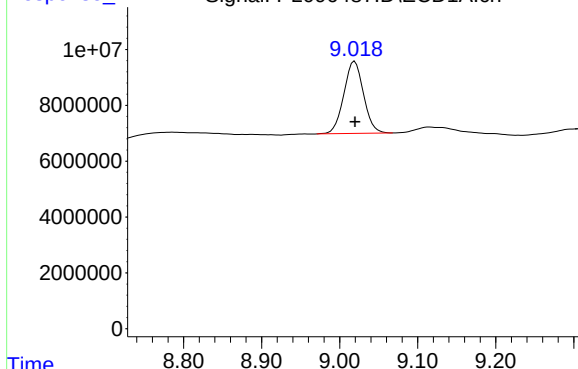
Response_ Signal: PL096487.D\ECD2B.ch



#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 2472439
Conc: 0.43 ng/ml m

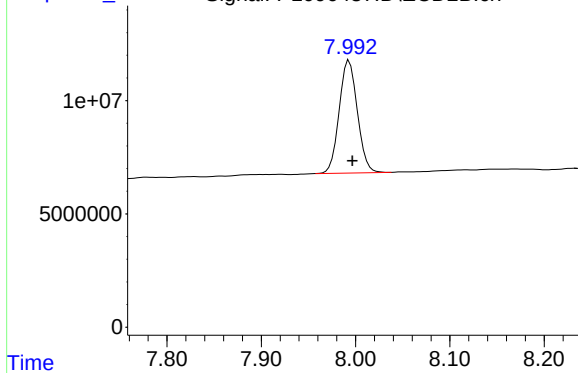
Response_ Signal: PL096487.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 45291463
Conc: 16.10 ng/ml

Response_ Signal: PL096487.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.003 min
Response: 66631080
Conc: 13.36 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	93.8 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
PL096488.D	1	07/21/25 08:30	07/21/25 14:46	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	4.00		0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	1.30	J	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	11.5		0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.4		20 - 144	62%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.4		19 - 148	72%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 6-5		SDG No.:	Q2651	
Lab Sample ID:	Q2651-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	93.8	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
PL096488.D	1	07/21/25 08:30	07/21/25 14:46	PB168928

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_L\Data\PL072125\
 Data File : PL096488.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 14:46
 Operator : AR\AJ
 Sample : Q2651-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MH 6-5

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:45:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.828	49954743	83070727	13.690	14.394
28)	SA Decachlor...	9.020	7.994	34782612	52439001	12.365	10.516
Target Compounds							
12)	B 4,4'-DDE	6.168	5.305	41580907	71599938	11.215	11.077
16)	A 4,4'-DDD	6.677	5.857	10371745	14460585	3.562	2.820
17)	MA 4,4'-DDT	6.991	6.110	98469973	176.6E6	32.443	30.798

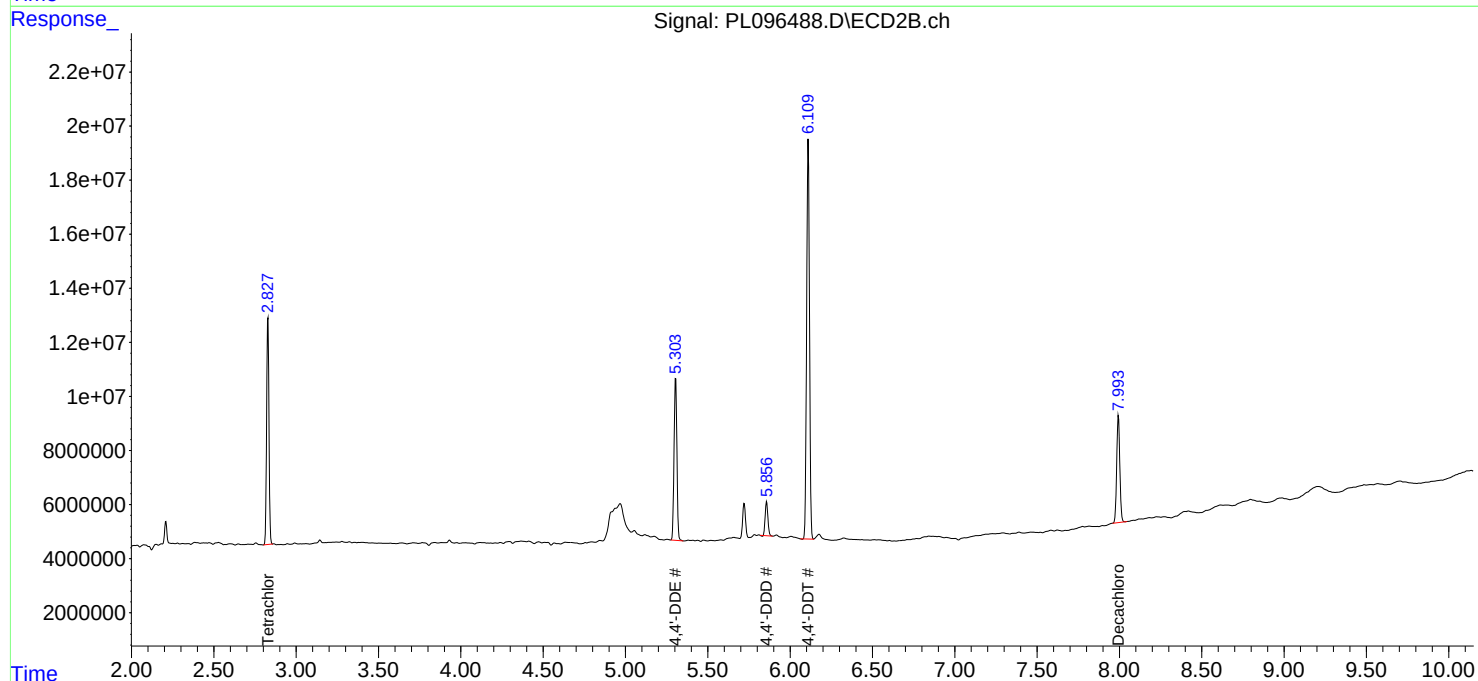
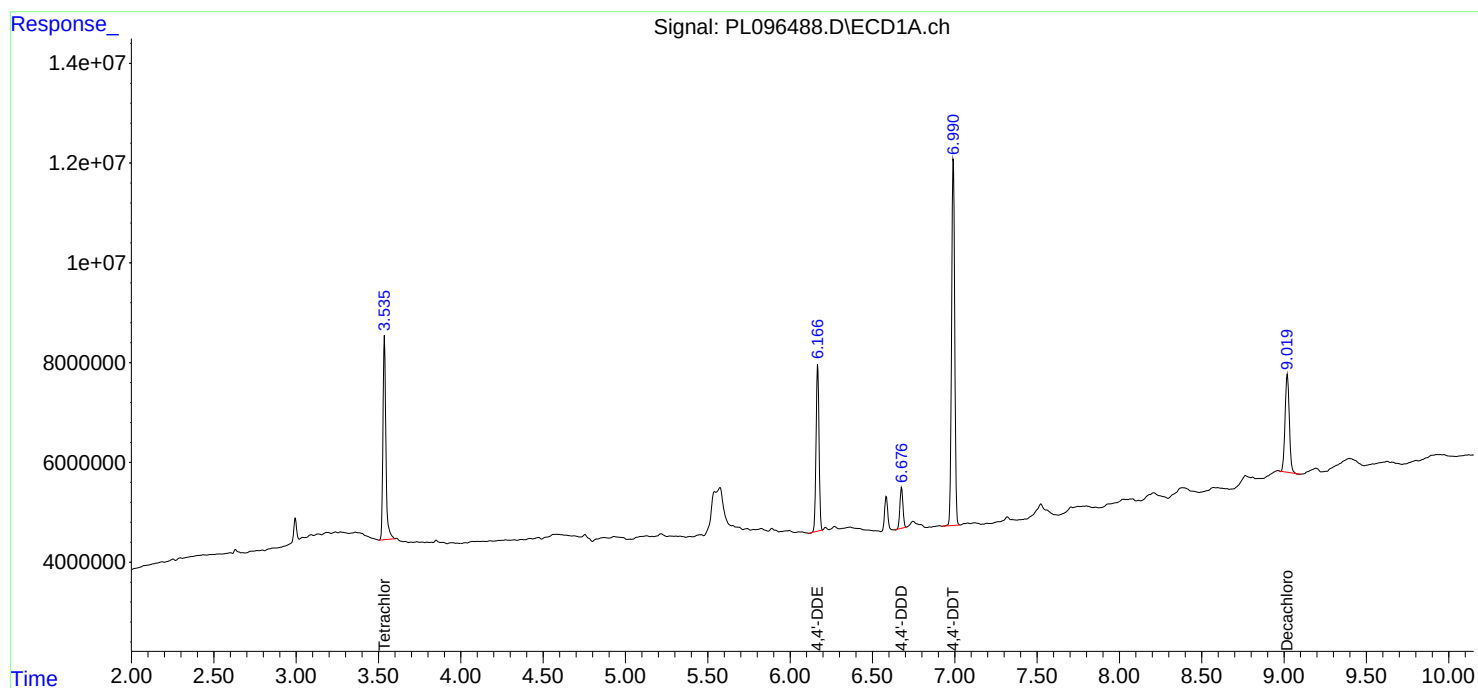
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

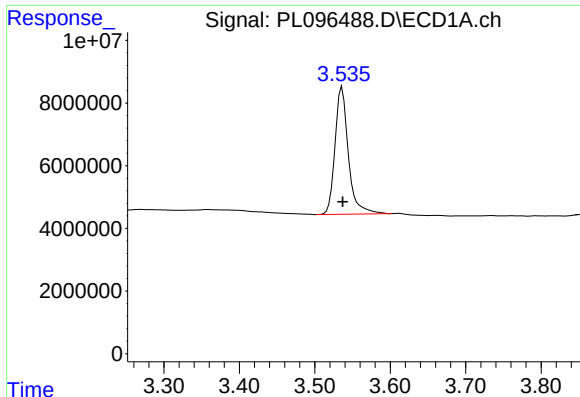
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:46
Operator : AR\AJ
Sample : Q2651-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
MH 6-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:45:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

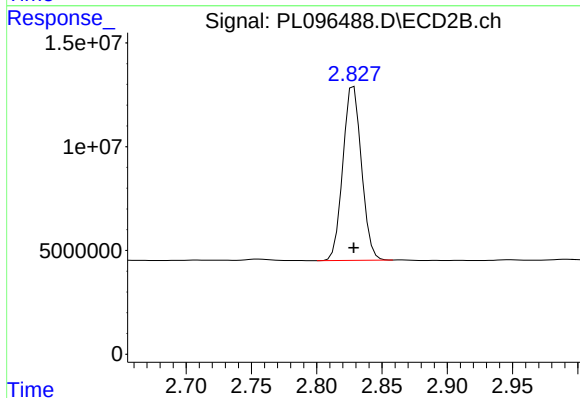




#1 Tetrachloro-m-xylene

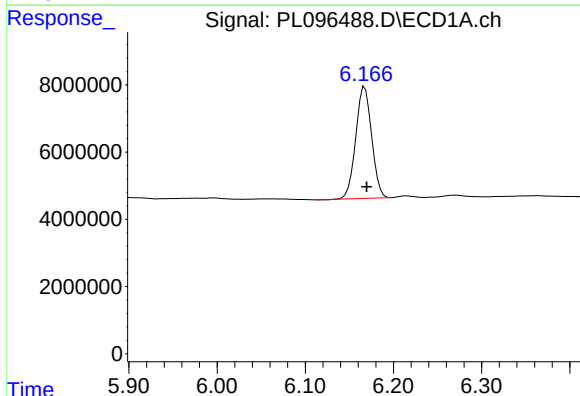
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 49954743
Conc: 13.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 6-5



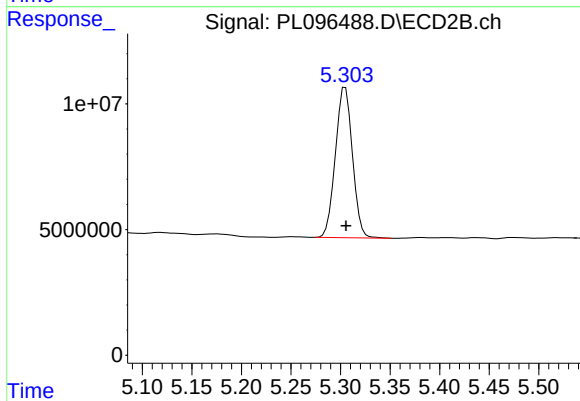
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 83070727
Conc: 14.39 ng/ml



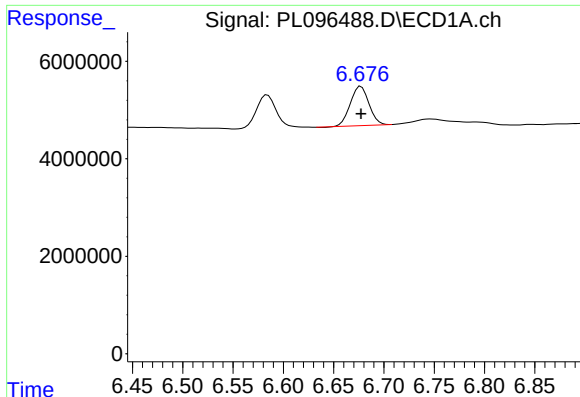
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.002 min
Response: 41580907
Conc: 11.22 ng/ml



#12 4,4'-DDE

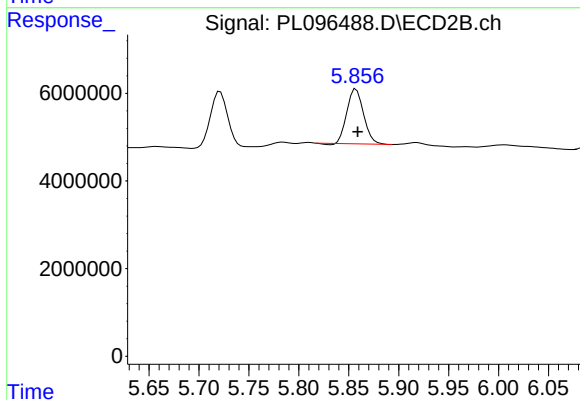
R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 71599938
Conc: 11.08 ng/ml



#16 4,4'-DDD

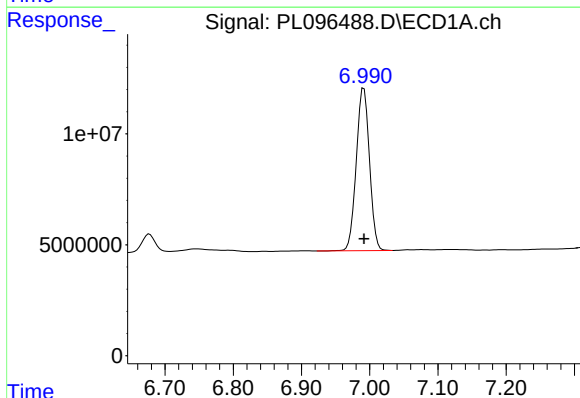
R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 10371745
Conc: 3.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 6-5



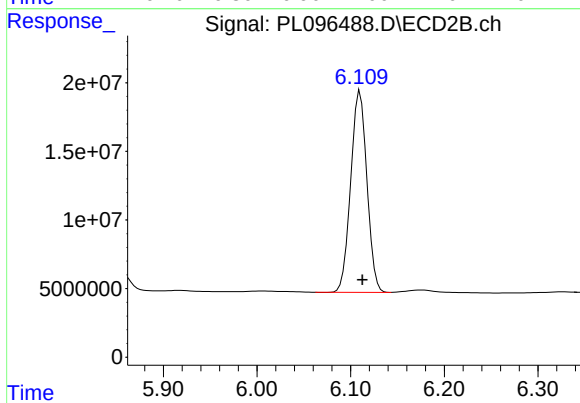
#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 14460585
Conc: 2.82 ng/ml



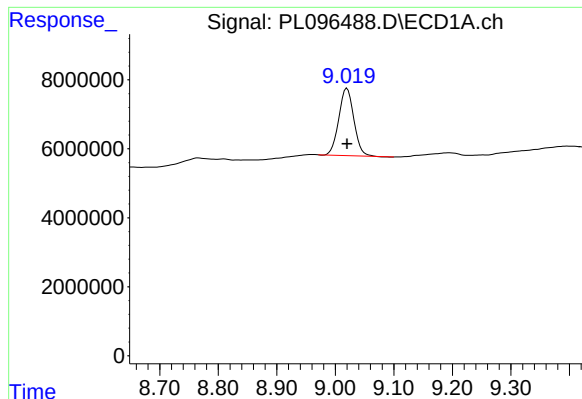
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 98469973
Conc: 32.44 ng/ml



#17 4,4'-DDT

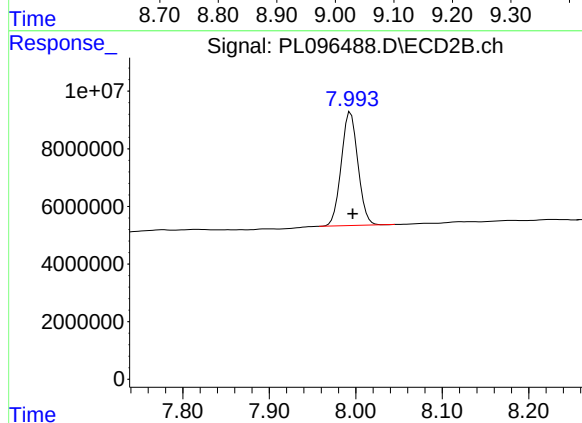
R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 176629425
Conc: 30.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 34782612
Conc: 12.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 6-5



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 52439001
Conc: 10.52 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	93.9	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
PL096489.D	1	07/21/25 08:30	07/21/25 15:00	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	5.30		0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	3.70		0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		20 - 144	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.9		19 - 148	119%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	93.9	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
PL096489.D	1	07/21/25 08:30	07/21/25 15:00	PB168928

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_L\Data\PL072125\
 Data File : PL096489.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 15:00
 Operator : AR\AJ
 Sample : Q2651-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MH 7-6

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/22/2025
 Supervised By : mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:46:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.828	80464346	137.7E6	22.051m	23.864
28) SA Decachlor...	9.020	7.994	56700216	92300087	20.156	18.510
Target Compounds						
12) B 4,4'-DDE	6.169	5.305	53291421	96530003	14.374	14.934
17) MA 4,4'-DDT	6.990	6.109	31283894	54879661	10.307m	9.569m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:00
Operator : AR\AJ
Sample : Q2651-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

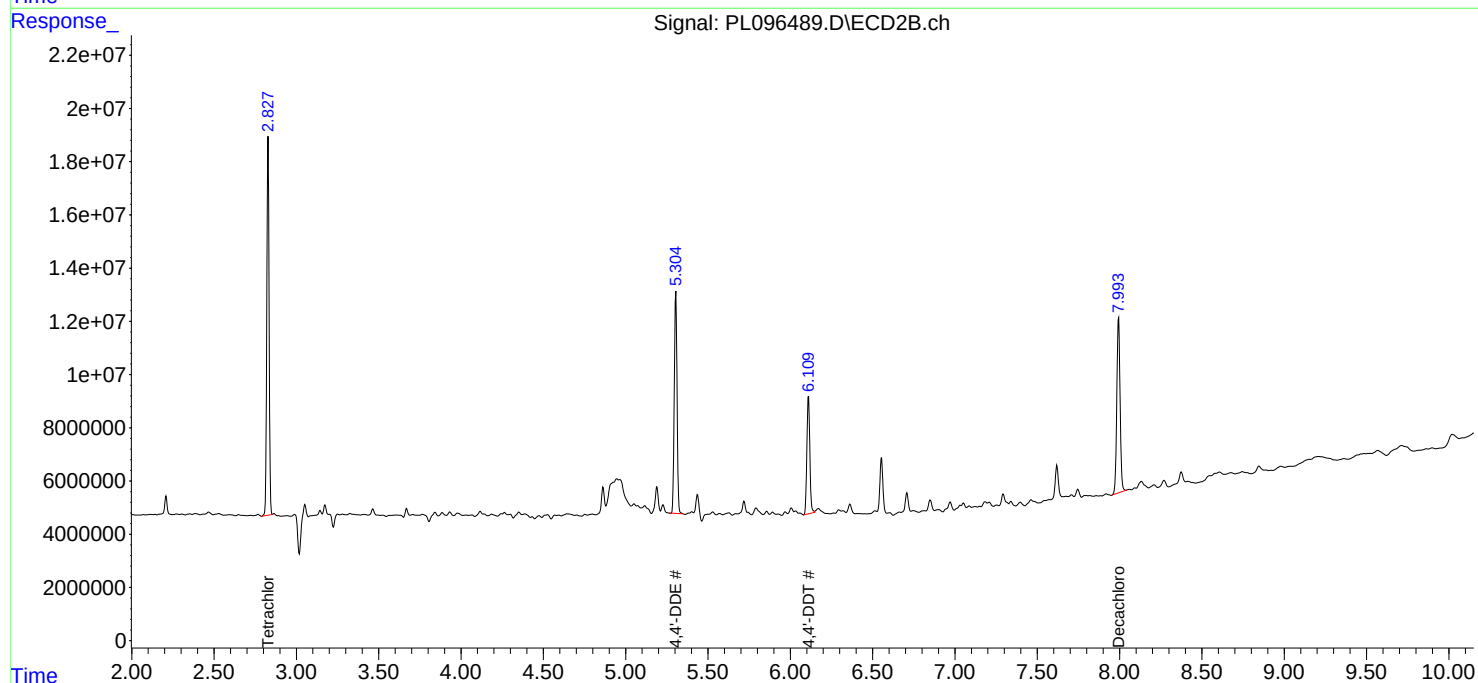
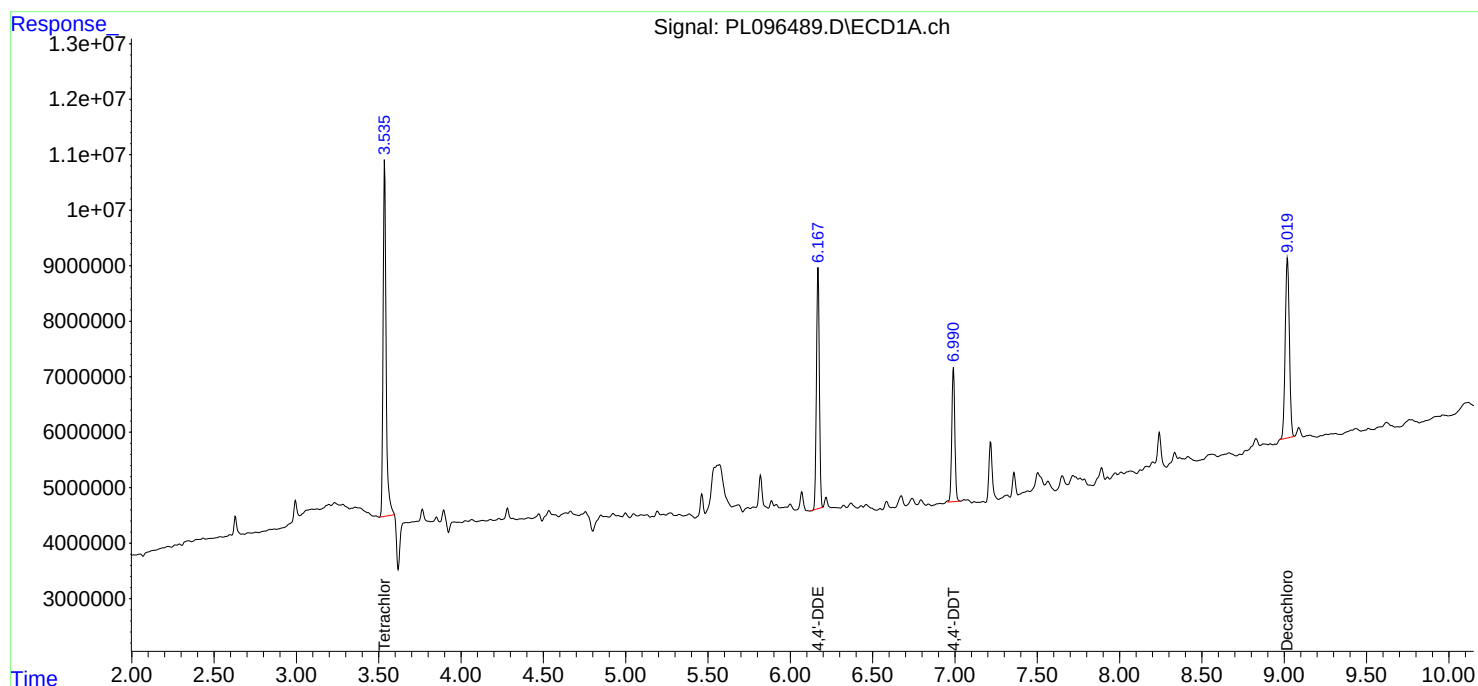
Instrument :
ECD_L
ClientSampleId :
MH 7-6

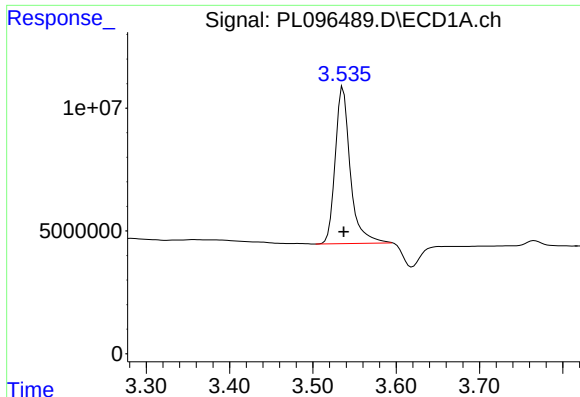
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:46:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





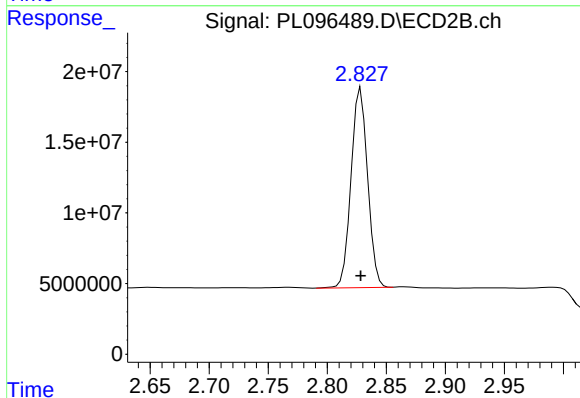
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 80464346
Conc: 22.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 7-6

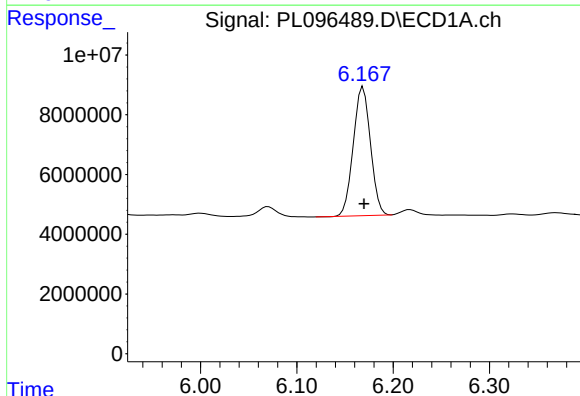
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



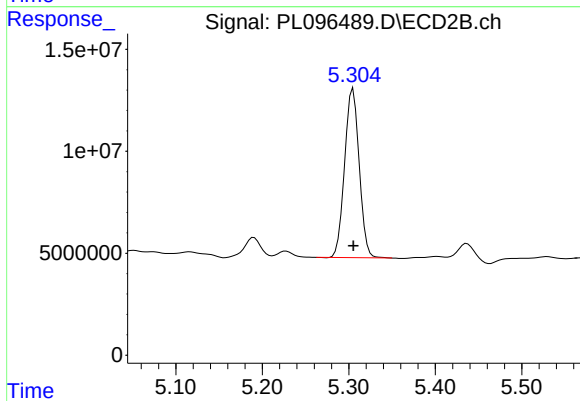
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 137727033
Conc: 23.86 ng/ml



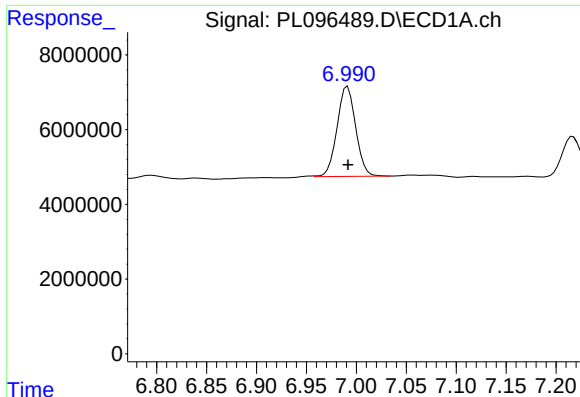
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 53291421
Conc: 14.37 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 96530003
Conc: 14.93 ng/ml



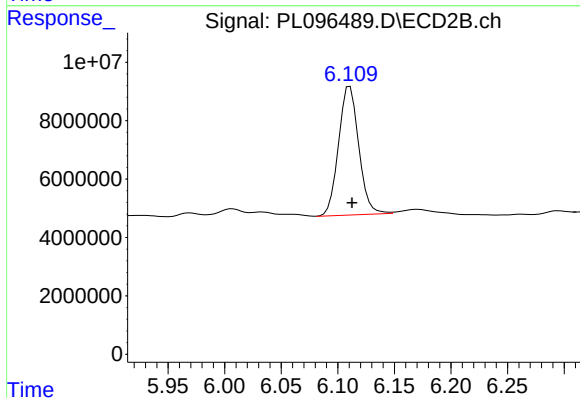
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 31283894
Conc: 10.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 7-6

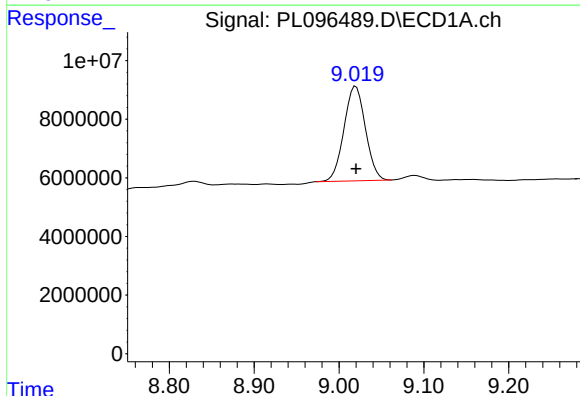
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



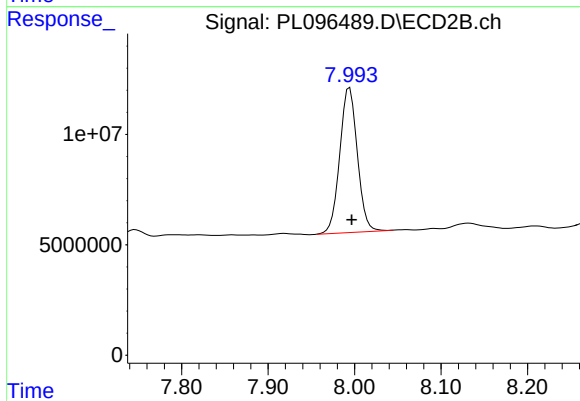
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 54879661
Conc: 9.57 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 56700216
Conc: 20.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 92300087
Conc: 18.51 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	94.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096490.D	1	07/21/25 08:30	07/21/25 15:13	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	13.0		0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	5.20		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	12.7		0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.9		20 - 144	85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		19 - 148	110%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	94.6
Sample Wt/Vol:	30.05	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
PL096490.D	1	07/21/25 08:30	07/21/25 15:13	PB168928

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_L\Data\PL072125\
 Data File : PL096490.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 15:13
 Operator : AR\AJ
 Sample : Q2651-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MH 8-7

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/22/2025
 Supervised By : mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:46:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.829	75377314	126.9E6	20.657m	21.990
28)	SA Decachlor...	9.019	7.994	47547708	79268905	16.902	15.897
Target Compounds							
12)	B 4,4'-DDE	6.168	5.305	133.7E6	238.1E6	36.053	36.841
16)	A 4,4'-DDD	6.677	5.857	43276477	67947701	14.863	13.249
17)	MA 4,4'-DDT	6.990	6.110	109.4E6	198.2E6	36.032m	34.553

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096490.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:13
Operator : AR\AJ
Sample : Q2651-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

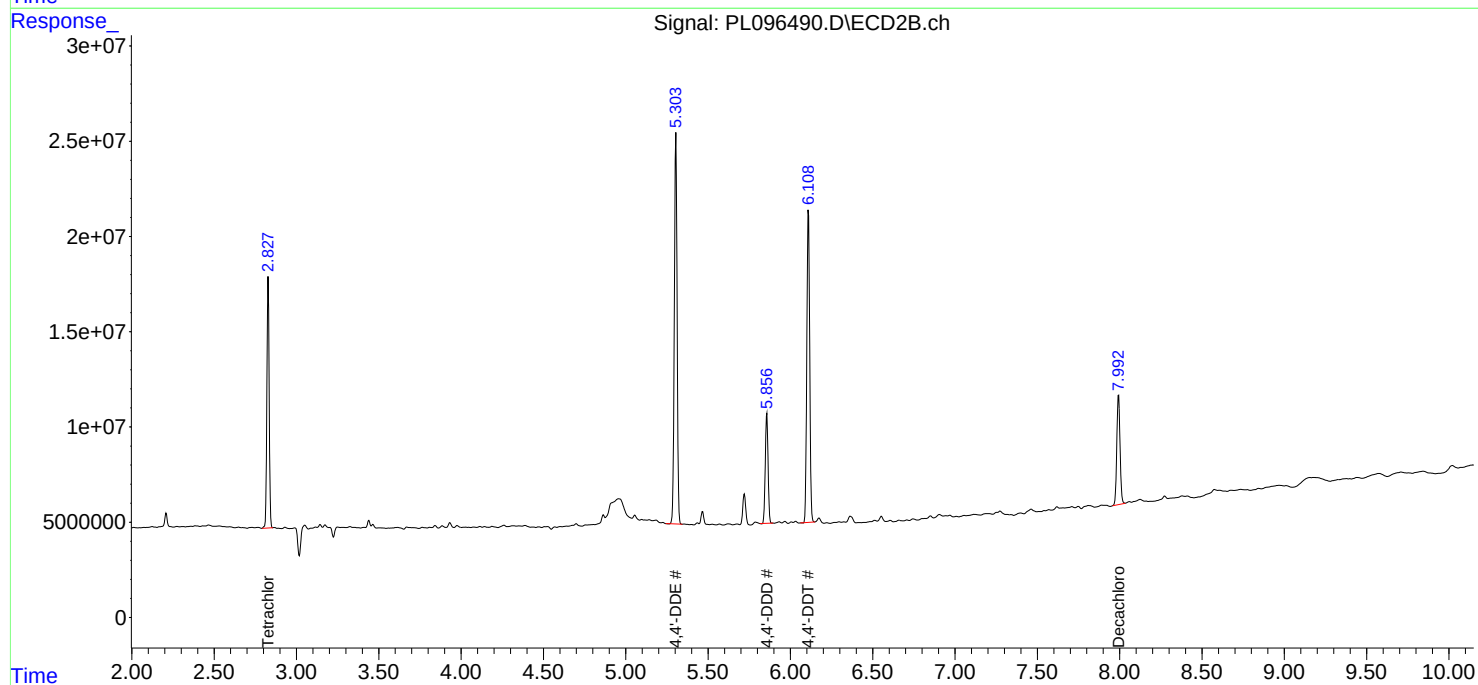
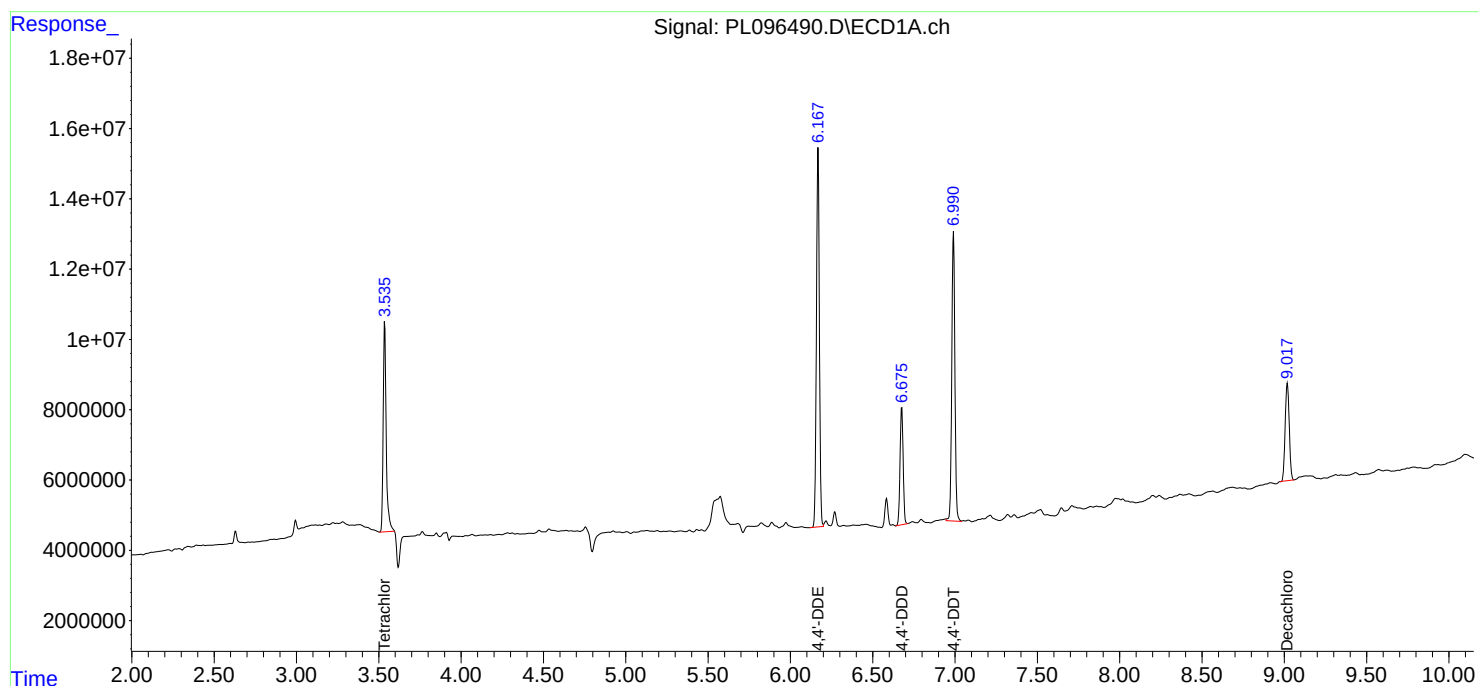
Instrument :
ECD_L
ClientSampleId :
MH 8-7

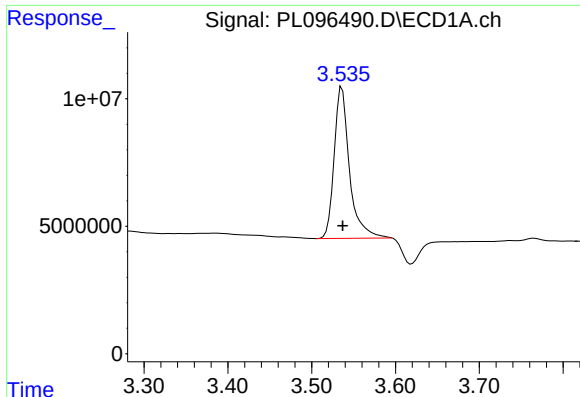
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/22/2025
Supervised By : mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:46:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





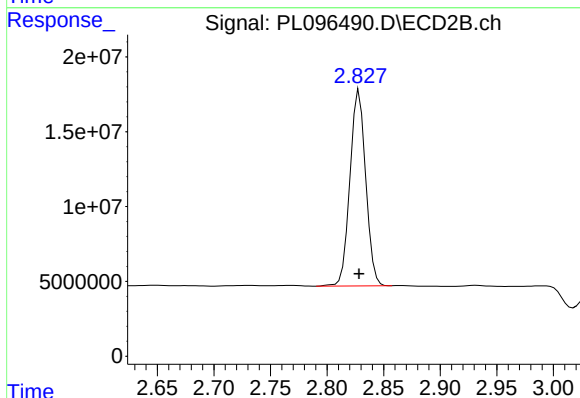
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 75377314
Conc: 20.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 8-7

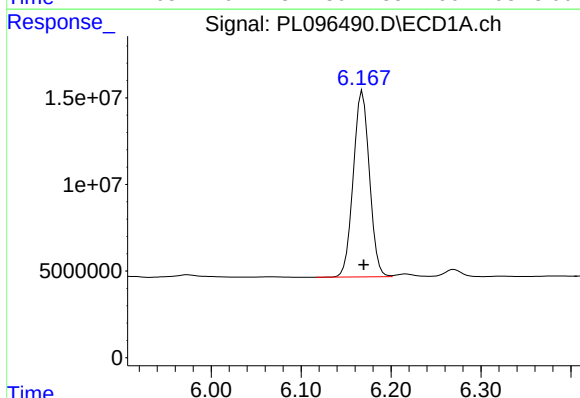
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



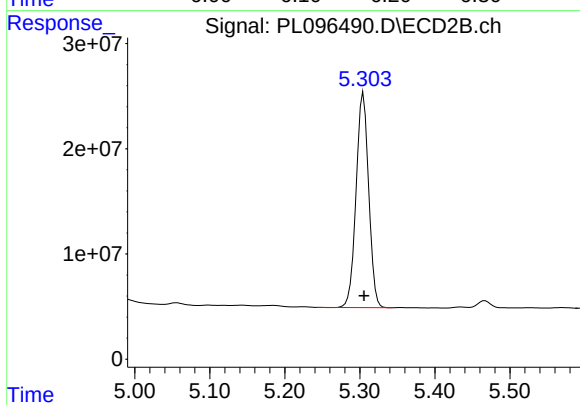
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 126911314
Conc: 21.99 ng/ml



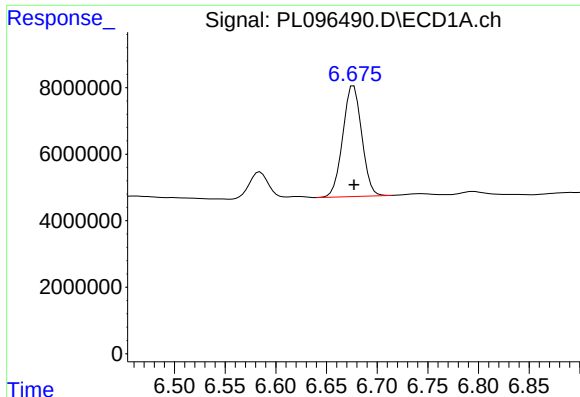
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 133666210
Conc: 36.05 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 238129353
Conc: 36.84 ng/ml



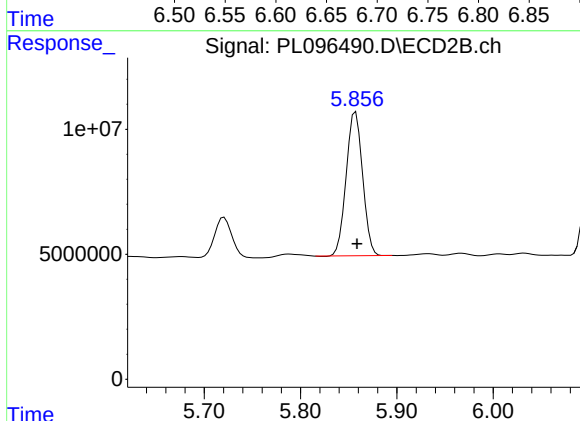
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 43276477
Conc: 14.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 8-7

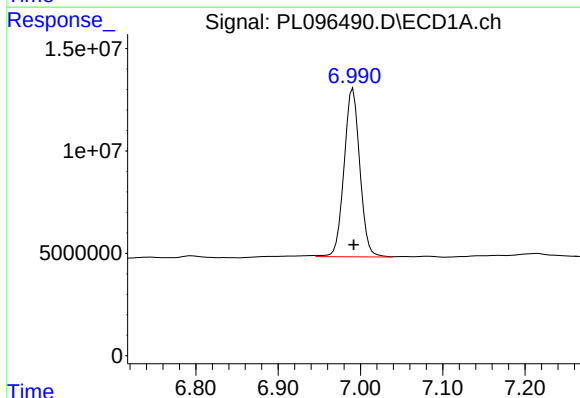
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



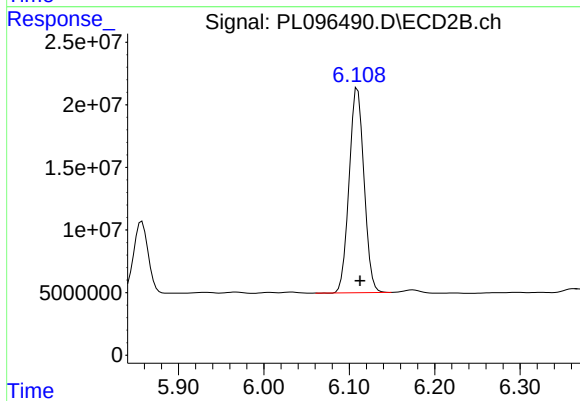
#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 67947701
Conc: 13.25 ng/ml



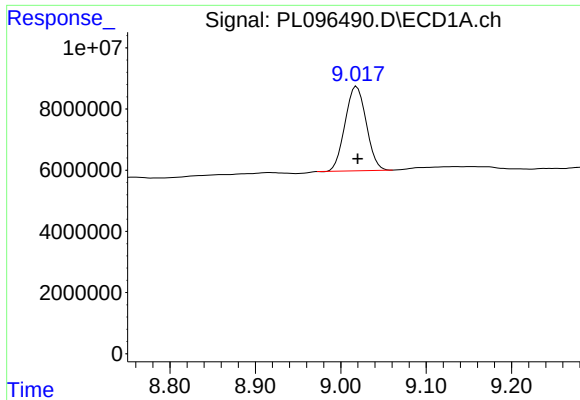
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 109364672
Conc: 36.03 ng/ml m



#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 198166972
Conc: 34.55 ng/ml



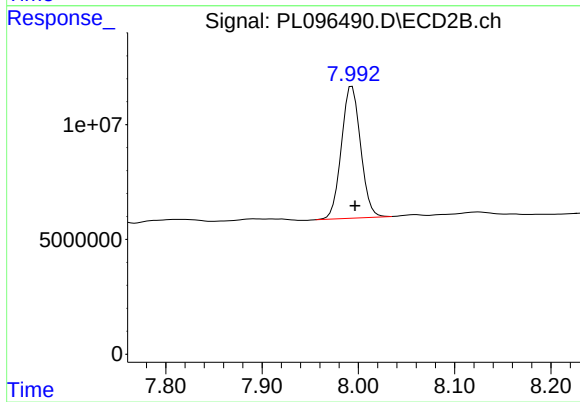
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: -0.001 min
Response: 47547708
Conc: 16.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 8-7

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 79268905
Conc: 15.90 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	92.9	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
PL096491.D	1	07/21/25 08:30	07/21/25 15:27	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.85	J	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.52	J	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.0		20 - 144	65%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.9		19 - 148	79%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	92.9	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
PL096491.D	1	07/21/25 08:30	07/21/25 15:27	PB168928

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
 Data File : PL096491.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 15:27
 Operator : AR\AJ
 Sample : Q2651-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MH 9-8

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/22/2025
 Supervised By : mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:46:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.828	54630436	91562217	14.971	15.865
28)	SA Decachlor...	9.020	7.994	36463491	54888168	12.962	11.007
Target Compounds							
12)	B 4,4'-DDE	6.169	5.305	7597046	15300934	2.049	2.367
17)	MA 4,4'-DDT	6.989	6.109	4317241	8266032	1.422m	1.441

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096491.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:27
Operator : AR\AJ
Sample : Q2651-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

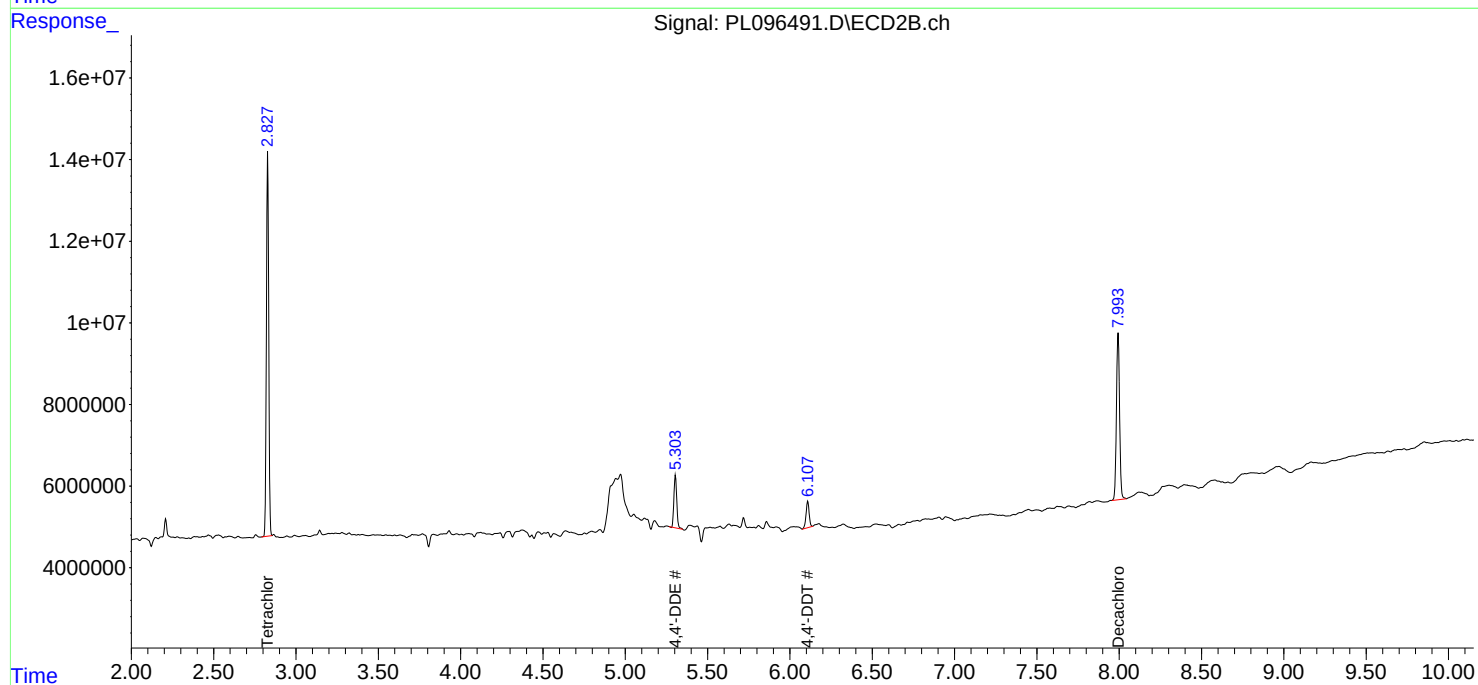
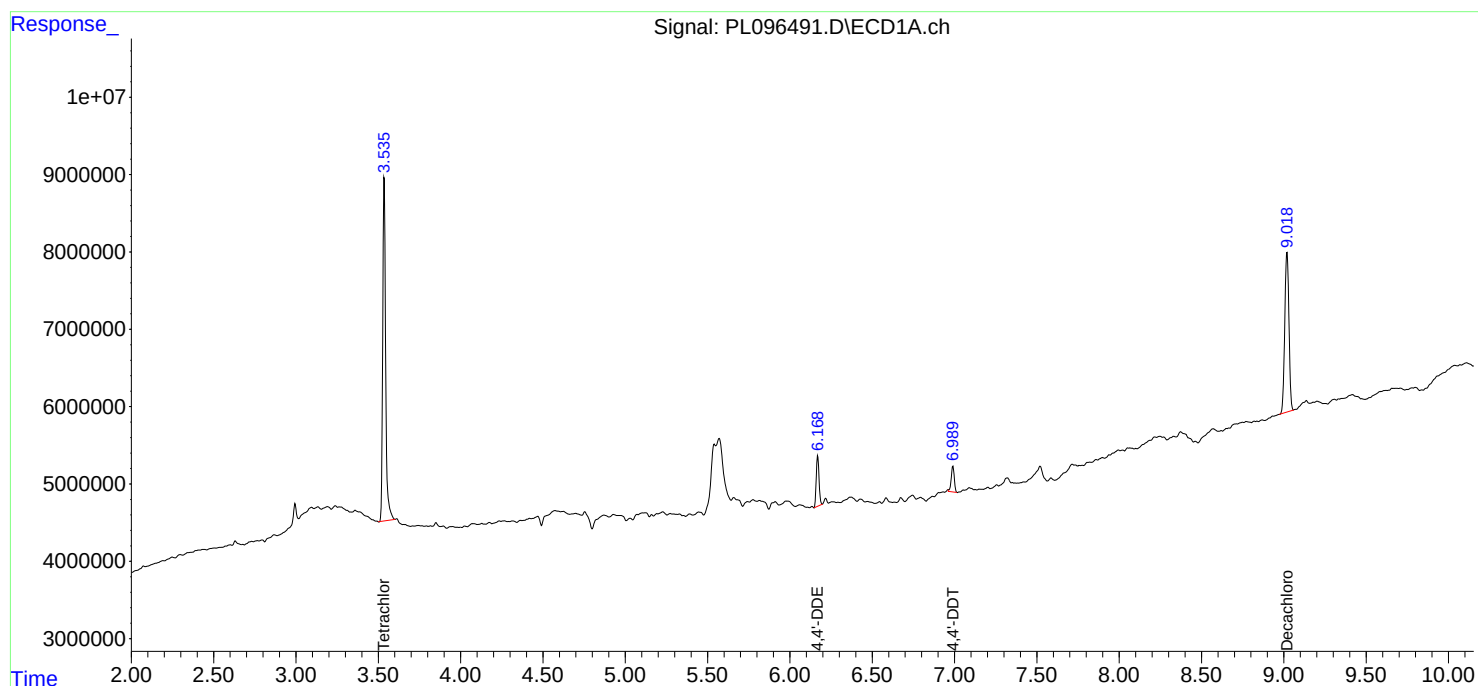
Instrument :
ECD_L
ClientSampleId :
MH 9-8

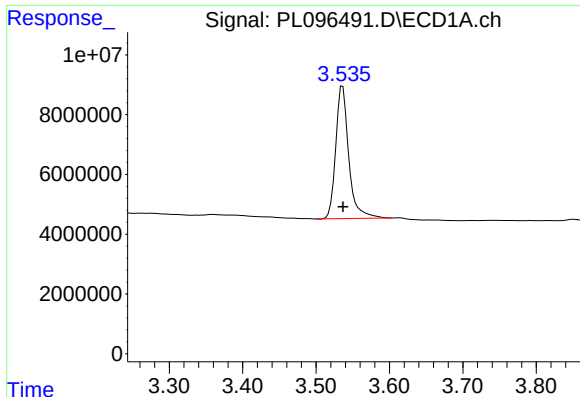
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:46:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





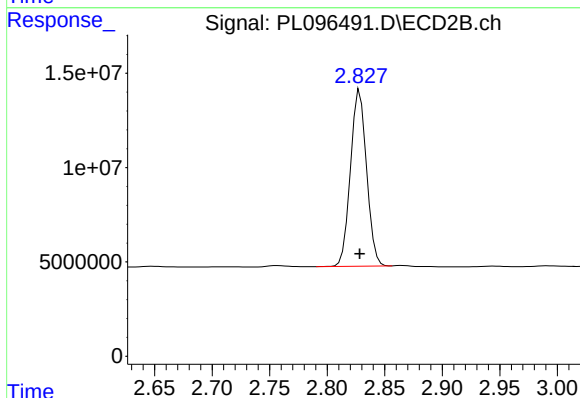
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 54630436
Conc: 14.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 9-8

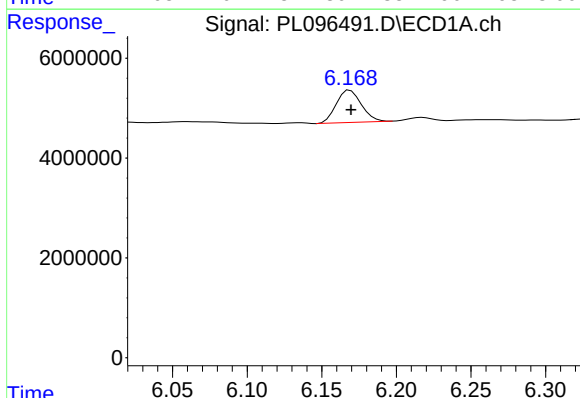
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



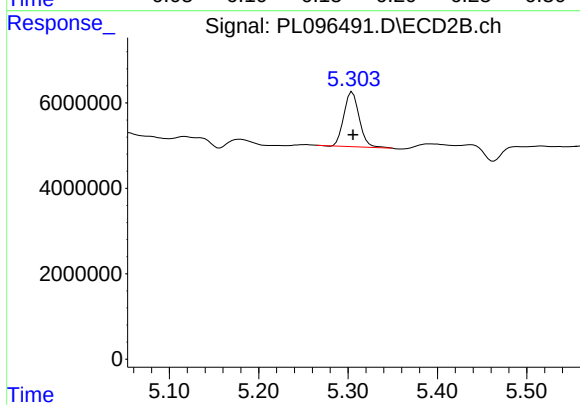
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 91562217
Conc: 15.87 ng/ml



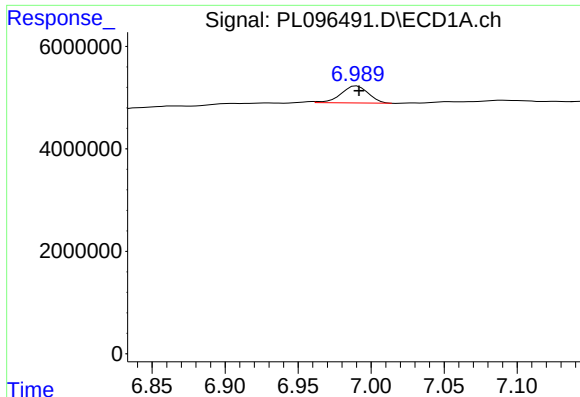
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 7597046
Conc: 2.05 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 15300934
Conc: 2.37 ng/ml



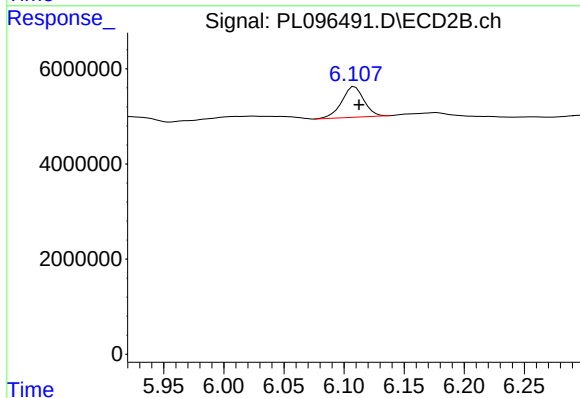
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 4317241
Conc: 1.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH 9-8

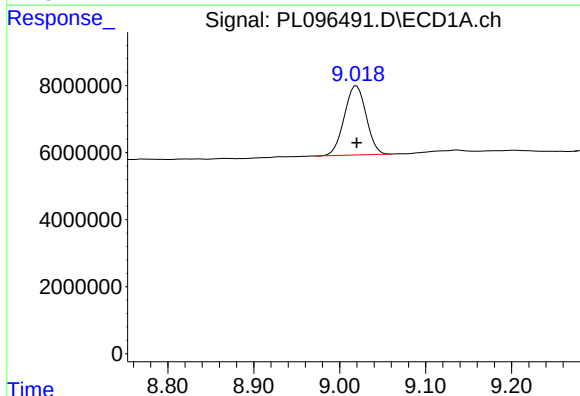
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



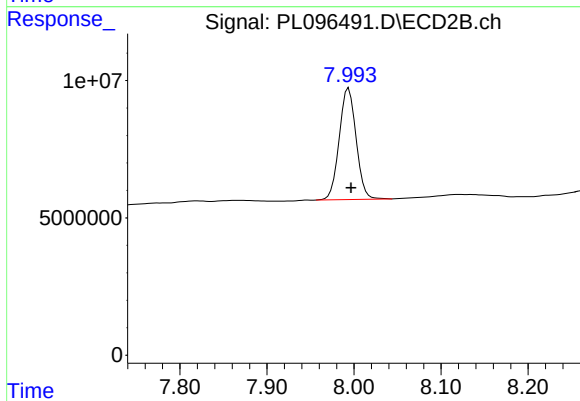
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.004 min
Response: 8266032
Conc: 1.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 36463491
Conc: 12.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 54888168
Conc: 11.01 ng/ml



CALIBRATION SUMMARY

Calibration Times: **10:53** **11:49**

LAB FILE ID:	RT 100 =	<u>PL096240.D</u>	RT 075 =	<u>PL096241.D</u>
	RT 050 =	PL096242.D	RT 025 =	PL096243.D
			RT 005 =	PL096244.D

[illegible]

Calibration Times: 10:53 11:49

LAB FILE ID:	RT 100 =	<u>PL096240.D</u>	RT 075 =	<u>PL096241.D</u>
	RT 050 =	PL096242.D	RT 025 =	PL096243.D
			RT 005 =	PL096244.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: EARTH03
SDG NO.: Q2651

Calibration Date(s): 07/07/2025 07/07/2025
Calibration Times: 10:53 11:49

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

LAB FILE ID:		CF 100 = <u>PL096240.D</u>		CF 075 = <u>PL096241.D</u>			
CF 050 = <u>PL096242.D</u>		CF 025 = <u>PL096243.D</u>		CF 005 = <u>PL096244.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3025530000	2846910000	2912000000	2866030000	2907990000	2911690000	2
4,4'-DDE	3926920000	3702200000	3661590000	3582550000	3664090000	3707470000	4
4,4'-DDT	3139990000	3020970000	3013860000	2971550000	3029680000	3035210000	2
Aldrin	5044220000	4788040000	4818860000	4747320000	4770150000	4833720000	2
alpha-BHC	5571020000	5284470000	5219170000	4994210000	4646830000	5143140000	7
alpha-Chlordane	4467840000	4235850000	4336280000	4346530000	4507790000	4378860000	3
beta-BHC	2082830000	1999940000	2042490000	2063730000	2205000000	2078800000	4
Decachlorobiphenyl	2734760000	2660070000	2729730000	2840050000	3100690000	2813060000	6
delta-BHC	4804100000	4509860000	4516620000	4346750000	4229310000	4481330000	5
Dieldrin	4412200000	4164020000	4220320000	4153040000	4192430000	4228400000	3
Endosulfan I	4104490000	3923660000	3972940000	3960980000	4224190000	4037250000	3
Endosulfan II	3436020000	3297450000	3368710000	3426740000	3821340000	3470050000	6
Endosulfan sulfate	3137110000	3004650000	3031090000	3032300000	3089040000	3058840000	2
Endrin	3278570000	3096260000	3152290000	3035270000	2988660000	3110210000	4
Endrin aldehyde	2215710000	2169840000	2211780000	2233390000	2347070000	2235560000	3
Endrin ketone	3370450000	3244040000	3298880000	3310580000	3284220000	3301630000	1
gamma-BHC (Lindane)	5277490000	4937170000	5003630000	4872450000	4807500000	4979650000	4
gamma-Chlordane	4569600000	4313810000	4409790000	4376470000	4454320000	4424800000	2
Heptachlor	4644220000	4480710000	4500180000	4479130000	4801850000	4581220000	3
Heptachlor epoxide	4361240000	4217620000	4223310000	4173120000	3770510000	4149160000	5
Methoxychlor	1520130000	1498290000	1535260000	1580890000	1742410000	1575400000	6
Tetrachloro-m-xylene	3687130000	3500570000	3606810000	3645250000	3805110000	3648970000	3



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_L

Contract: EARTH03
SDG NO.: Q2651

Calibration Date(s): 07/07/2025 07/07/2025
Calibration Times: 10:53 11:49

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

LAB FILE ID:		CF 100 =	<u>PL096240.D</u>	CF 075 =	<u>PL096241.D</u>		
CF 050 =		<u>PL096242.D</u>	CF 025 =	<u>PL096243.D</u>	CF 005 =	<u>PL096244.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	5571570000	4977570000	5155470000	5287270000	4651570000	5128690000	7
4,4'-DDE	6739130000	6417050000	6536750000	6411470000	6214030000	6463690000	3
4,4'-DDT	5925140000	5675380000	5791870000	5721480000	5561780000	5735130000	2
Aldrin	7475900000	7172530000	7359270000	7276060000	7194310000	7295610000	2
alpha-BHC	8848150000	8418870000	8584670000	8360580000	7959470000	8434350000	4
alpha-Chlordane	7046040000	6935280000	7064760000	7361960000	9193110000	7520230000	13
beta-BHC	3360940000	3226040000	3388040000	3479970000	3664560000	3423910000	5
Decachlorobiphenyl	4787910000	4666610000	4872180000	5085100000	5520680000	4986500000	7
delta-BHC	8014430000	7644710000	7801450000	7659590000	7389330000	7701900000	3
Dieldrin	6945820000	6673390000	6924870000	6824890000	6727300000	6819260000	2
Endosulfan I	6416060000	6267840000	6569550000	7091990000	9525280000	7174140000	19
Endosulfan II	5847590000	5648280000	5812370000	5897790000	6113420000	5863890000	3
Endosulfan sulfate	5568190000	5412610000	5591840000	5675050000	5874310000	5624400000	3
Endrin	6179120000	5963060000	6145890000	6105230000	6089210000	6096500000	1
Endrin aldehyde	4125070000	4064350000	4267630000	4523470000	5292510000	4454610000	11
Endrin ketone	6162820000	5984650000	6260480000	6351420000	6501850000	6252240000	3
gamma-BHC (Lindane)	8140460000	7776520000	7961280000	7854920000	7646170000	7875870000	2
gamma-Chlordane	7096610000	6910800000	6978800000	6991350000	7120960000	7019700000	1
Heptachlor	7661840000	7400290000	7666040000	7667210000	7643400000	7607760000	2
Heptachlor epoxide	6588350000	6451450000	6691850000	6724070000	6968780000	6684900000	3
Methoxychlor	2949250000	2893130000	3027760000	3113420000	3205310000	3037770000	4
Tetrachloro-m-xylene	5771200000	5549810000	5746090000	5799260000	5989730000	5771220000	3



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
Instrument ID: ECD_L **Date(s) Analyzed:** 07/07/2025 07/07/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.22	6.12	6.32	30025500
		2	6.61	6.51	6.71	26119300
		3	7.03	6.93	7.13	120095000
		4	7.12	7.02	7.22	85971000
		5	7.90	7.80	8.00	61804300



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2651

Instrument ID: ECD_L Date(s) Analyzed: 07/07/2025 07/07/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.08	4.98	5.18	36707400
		2	5.76	5.66	5.86	51848200
		3	6.04	5.94	6.14	51417500
		4	6.68	6.58	6.78	166414000
		5	7.12	7.02	7.22	101419000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096240.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 10:53
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:52:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.829	368.7E6	577.1E6	101.101	100.218
28)	SA Decachlor...	9.019	7.995	273.5E6	478.8E6	100.092	99.128
Target Compounds							
2)	A alpha-BHC	3.985	3.335	557.1E6	884.8E6	103.261	101.511
3)	MA gamma-BHC...	4.314	3.667	527.7E6	814.0E6	102.664	101.113
4)	MA Heptachlor	4.906	4.017	464.4E6	766.2E6	101.575	99.973
5)	MB Aldrin	5.247	4.300	504.4E6	747.6E6	102.285	100.786
6)	B beta-BHC	4.500	3.964	208.3E6	336.1E6	100.978	99.598
7)	B delta-BHC	4.745	4.197	480.4E6	801.4E6	103.084	101.347
8)	B Heptachlo...	5.666	4.802	436.1E6	658.8E6	101.607	99.221
9)	A Endosulfan I	6.047	5.174	410.4E6	641.6E6	101.629	98.818
10)	B gamma-Chl...	5.919	5.055	457.0E6	709.7E6	101.780	100.837
11)	B alpha-Chl...	6.000	5.119	446.8E6	704.6E6	101.494	99.867
12)	B 4,4'-DDE	6.170	5.308	392.7E6	673.9E6	103.496	101.524
13)	MA Dieldrin	6.319	5.438	441.2E6	694.6E6	102.223	100.151
14)	MA Endrin	6.546	5.713	327.9E6	617.9E6	101.964	100.270
15)	B Endosulfa...	6.758	6.004	343.6E6	584.8E6	100.989	100.302
16)	A 4,4'-DDD	6.678	5.860	302.6E6	557.2E6	101.912	103.879
17)	MA 4,4'-DDT	6.992	6.113	314.0E6	592.5E6	102.050	101.137
18)	B Endrin al...	6.887	6.183	221.6E6	412.5E6	100.089	98.301
19)	B Endosulfa...	7.120	6.406	313.7E6	556.8E6	101.719	99.788
20)	A Methoxychlor	7.464	6.685	152.0E6	294.9E6	99.505	98.686
21)	B Endrin ke...	7.599	6.909	337.0E6	616.3E6	101.073	99.269m
22)	Mirex	8.079	7.101	272.3E6	474.8E6	99.763	99.059

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:53
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

Manual Integrations

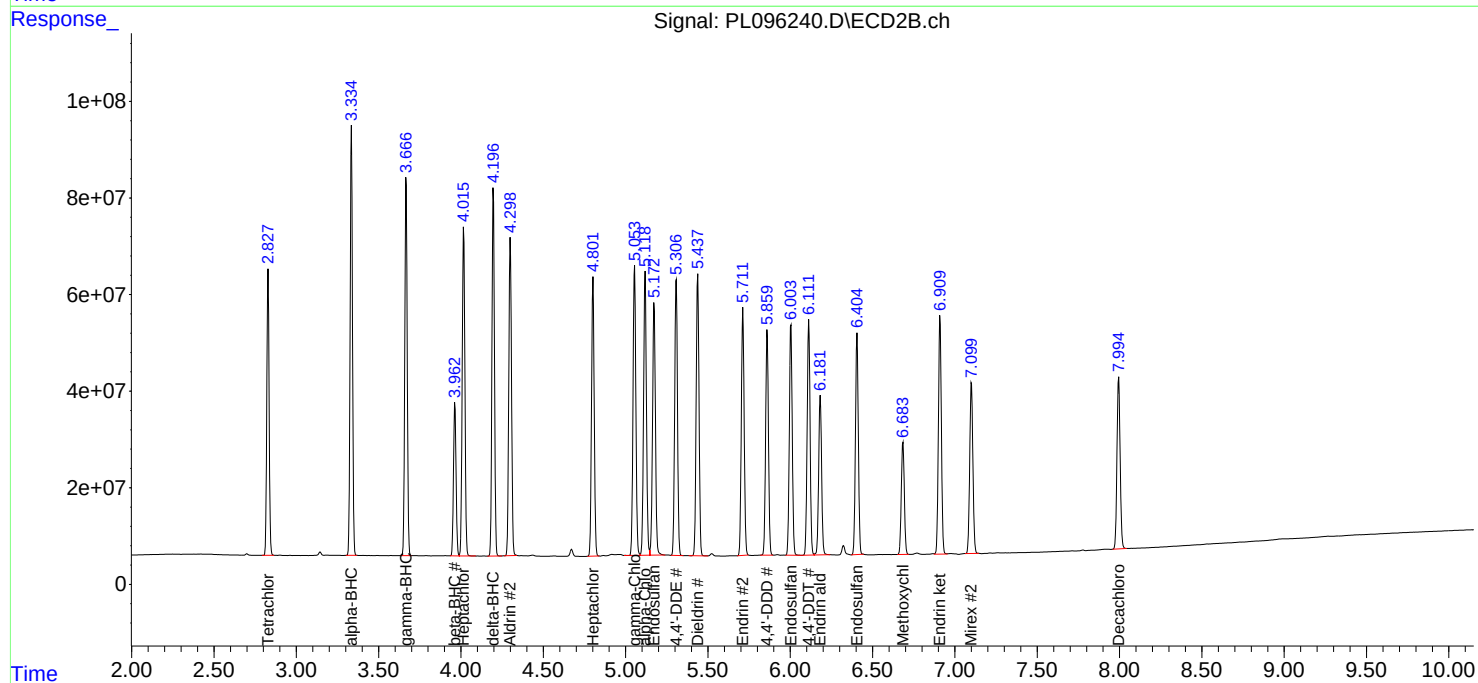
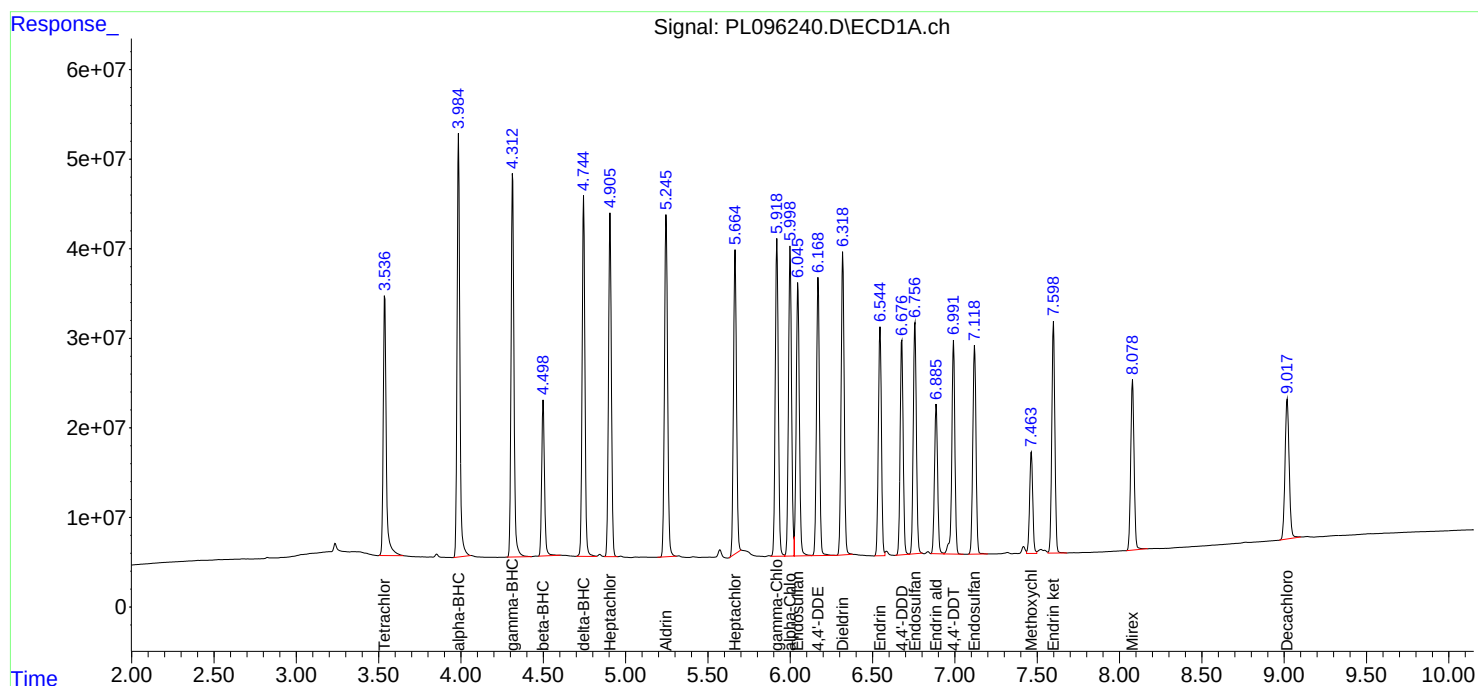
APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096241.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:09
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC075

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:55:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.827	262.5E6	416.2E6	72.966	73.165
28)	SA Decachlor...	9.022	7.996	199.5E6	350.0E6	73.668	73.289
Target Compounds							
2)	A alpha-BHC	3.984	3.334	396.3E6	631.4E6	73.968	73.274
3)	MA gamma-BHC...	4.313	3.666	370.3E6	583.2E6	72.995	73.277
4)	MA Heptachlor	4.906	4.016	336.1E6	555.0E6	73.993	73.260
5)	MB Aldrin	5.245	4.300	359.1E6	537.9E6	73.531	73.330
6)	B beta-BHC	4.497	3.963	150.0E6	242.0E6	73.486m	72.768
7)	B delta-BHC	4.745	4.196	338.2E6	573.4E6	73.368	73.317
8)	B Heptachlo...	5.666	4.802	316.3E6	483.9E6	74.125	73.566
9)	A Endosulfan I	6.047	5.173	294.3E6	470.1E6	73.562	73.247
10)	B gamma-Chl...	5.919	5.054	323.5E6	518.3E6	73.015	74.093
11)	B alpha-Chl...	6.000	5.119	317.7E6	520.1E6	73.088	74.144
12)	B 4,4'-DDE	6.170	5.308	277.7E6	481.3E6	73.777	73.317
13)	MA Dieldrin	6.319	5.438	312.3E6	500.5E6	73.215	73.087
14)	MA Endrin	6.546	5.713	232.2E6	447.2E6	73.124	73.364
15)	B Endosulfa...	6.758	6.005	247.3E6	423.6E6	73.442	73.425
16)	A 4,4'-DDD	6.679	5.860	213.5E6	373.3E6	72.919	71.314
17)	MA 4,4'-DDT	6.993	6.113	226.6E6	425.7E6	74.085	73.421
18)	B Endrin al...	6.887	6.183	162.7E6	304.8E6	74.002	73.411
19)	B Endosulfa...	7.120	6.406	225.3E6	405.9E6	73.701	73.485
20)	A Methoxychlor	7.465	6.685	112.4E6	217.0E6	74.031	73.387
21)	B Endrin ke...	7.600	6.910	243.3E6	448.8E6	73.629	73.150
22)	Mirex	8.080	7.101	198.3E6	347.2E6	73.425	73.273

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:09
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

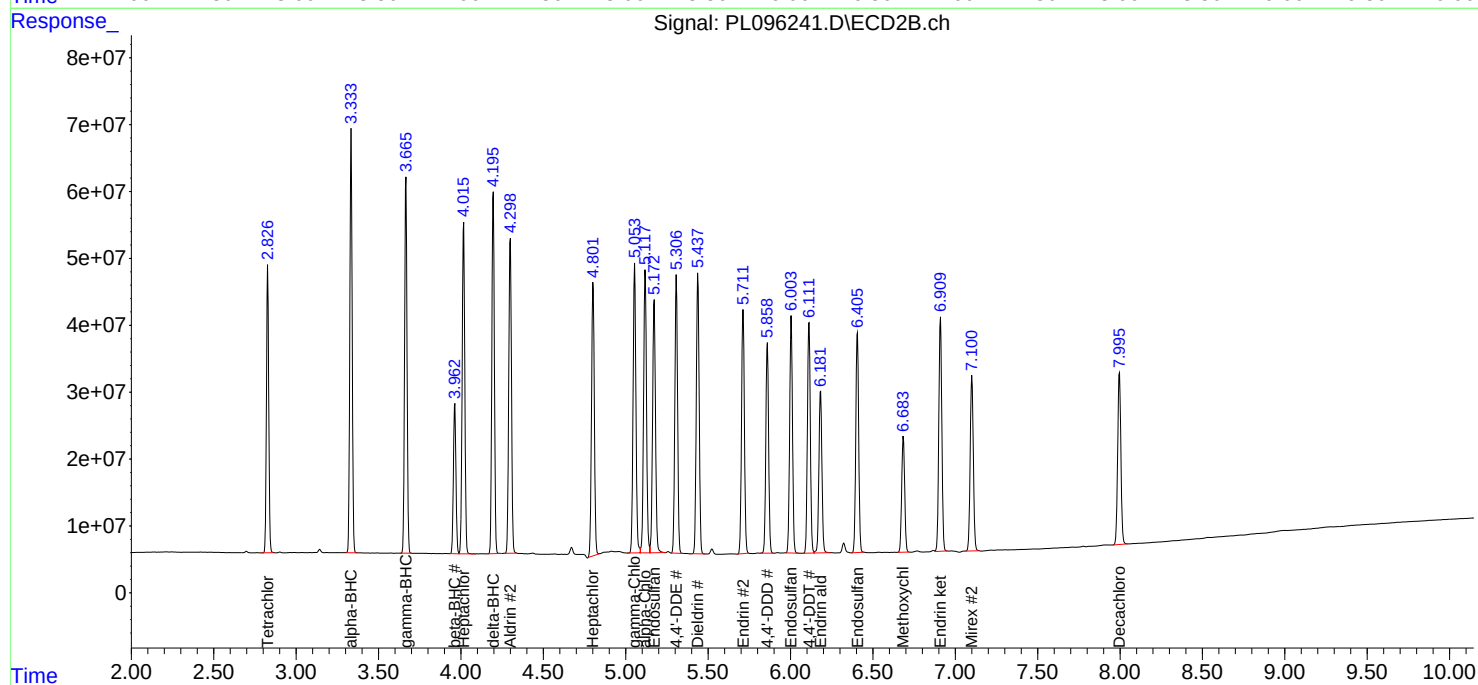
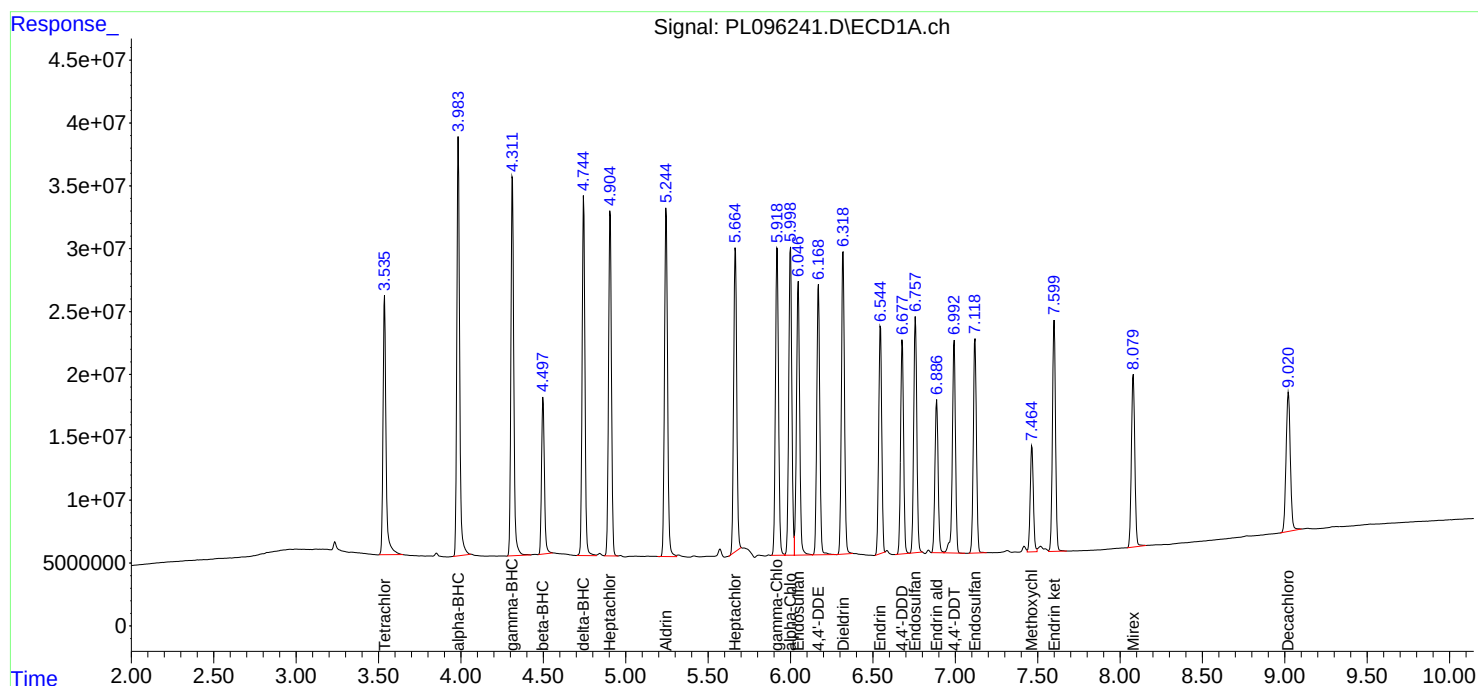
APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:55:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096242.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:22
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:50:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.829	180.3E6	287.3E6	50.000	50.000
28)	SA Decachlor...	9.020	7.996	136.5E6	243.6E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.985	3.335	261.0E6	429.2E6	50.000	50.000
3)	MA gamma-BHC...	4.313	3.667	250.2E6	398.1E6	50.000	50.000
4)	MA Heptachlor	4.906	4.017	225.0E6	383.3E6	50.000	50.000
5)	MB Aldrin	5.246	4.300	240.9E6	368.0E6	50.000	50.000
6)	B beta-BHC	4.499	3.963	102.1E6	169.4E6	50.000	50.000
7)	B delta-BHC	4.746	4.197	225.8E6	390.1E6	50.000	50.000
8)	B Heptachlo...	5.665	4.802	211.2E6	334.6E6	50.000	50.000
9)	A Endosulfan I	6.047	5.173	198.6E6	328.5E6	50.000	50.000
10)	B gamma-Chl...	5.919	5.054	220.5E6	348.9E6	50.000	50.000
11)	B alpha-Chl...	6.000	5.118	216.8E6	353.2E6	50.000	50.000
12)	B 4,4'-DDE	6.169	5.307	183.1E6	326.8E6	50.000	50.000
13)	MA Dieldrin	6.319	5.438	211.0E6	346.2E6	50.000	50.000
14)	MA Endrin	6.545	5.712	157.6E6	307.3E6	50.000	50.000
15)	B Endosulfa...	6.758	6.004	168.4E6	290.6E6	50.000	50.000
16)	A 4,4'-DDD	6.678	5.859	145.6E6	257.8E6	50.000	50.000
17)	MA 4,4'-DDT	6.992	6.112	150.7E6	289.6E6	50.000	50.000
18)	B Endrin al...	6.886	6.182	110.6E6	213.4E6	50.000	50.000
19)	B Endosulfa...	7.119	6.406	151.6E6	279.6E6	50.000	50.000
20)	A Methoxychlor	7.464	6.684	76763109	151.4E6	50.000	50.000
21)	B Endrin ke...	7.600	6.910	164.9E6	313.0E6	50.000	50.000
22)	Mirex	8.080	7.100	136.8E6	241.9E6	50.000	50.000

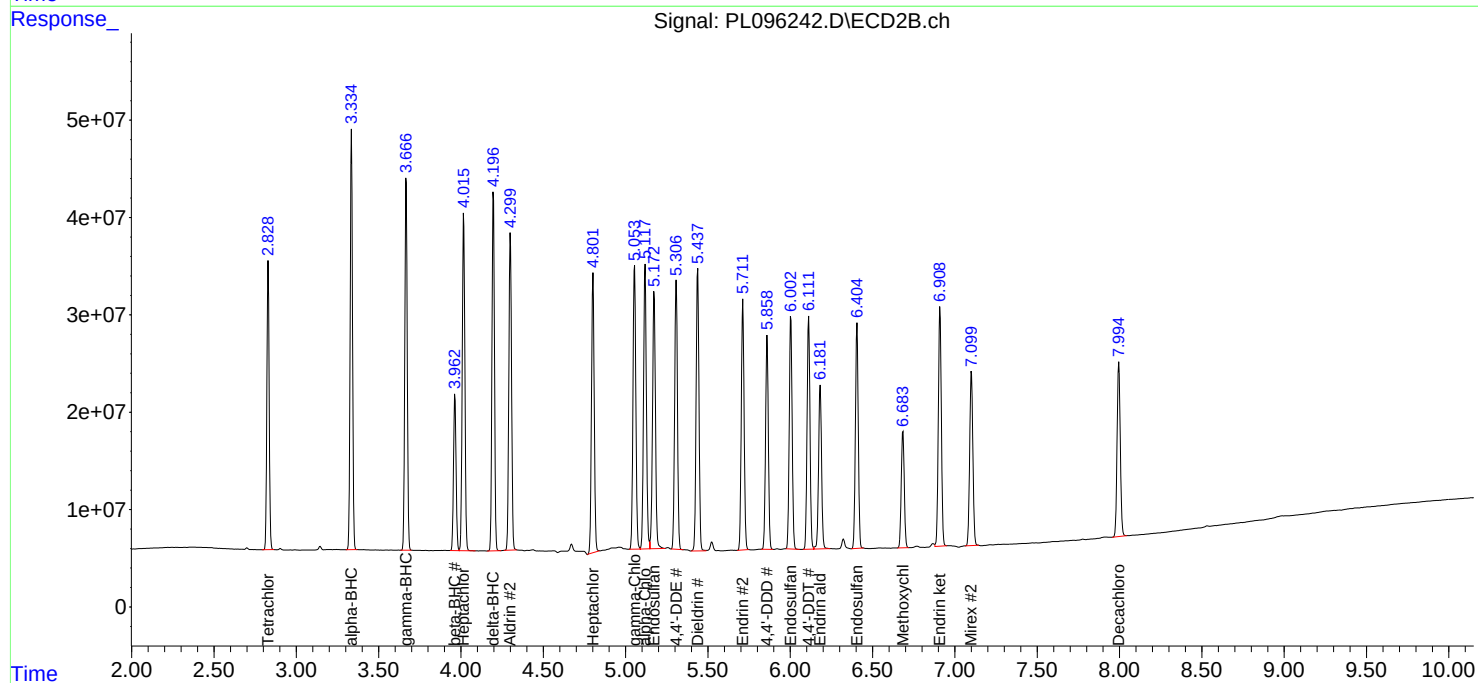
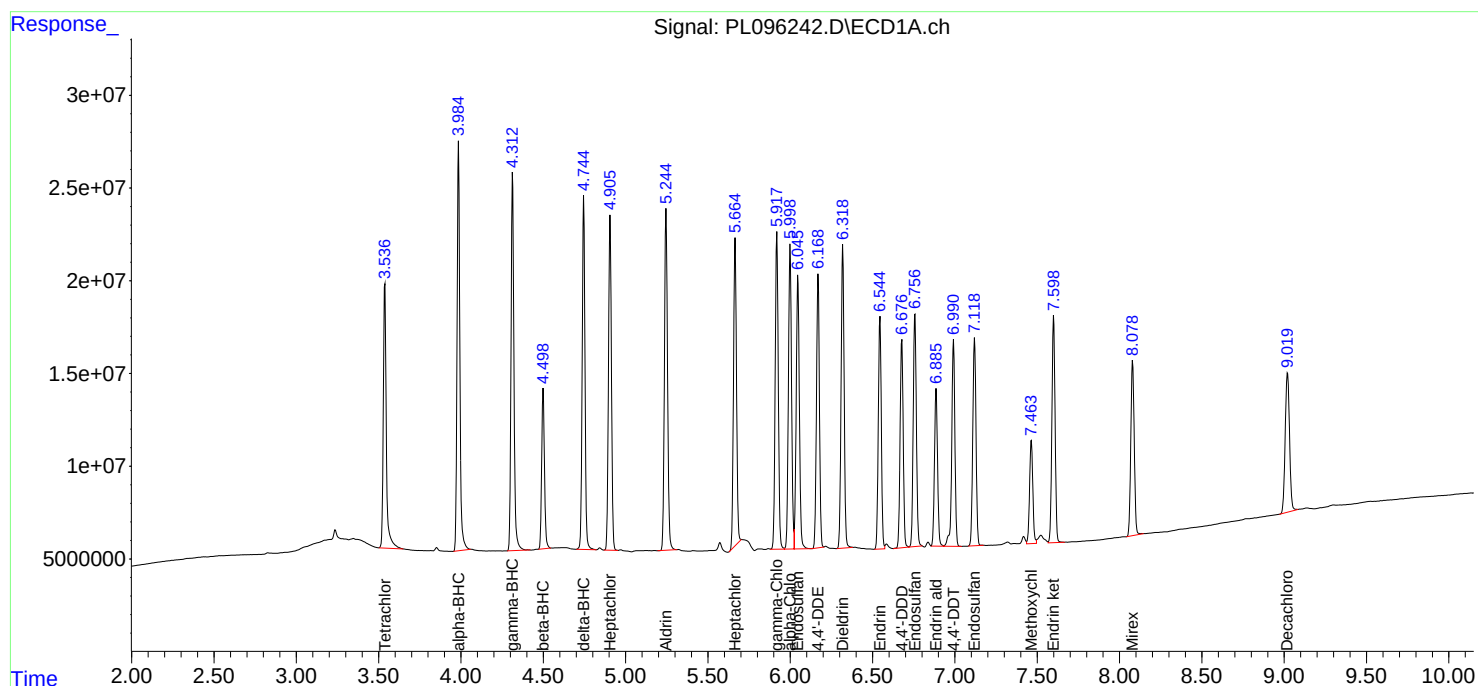
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:22
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:50:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096243.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:36
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:57:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.828	91131135	145.0E6	25.245	25.362
28)	SA Decachlor...	9.020	7.996	71001314	127.1E6	25.902	26.196
Target Compounds							
2)	A alpha-BHC	3.985	3.335	124.9E6	209.0E6	23.704	24.437
3)	MA gamma-BHC...	4.313	3.667	121.8E6	196.4E6	24.252	24.753
4)	MA Heptachlor	4.905	4.017	112.0E6	191.7E6	24.741	25.225
5)	MB Aldrin	5.245	4.300	118.7E6	181.9E6	24.473	24.847
6)	B beta-BHC	4.499	3.964	51593189	86999189	25.201	25.864
7)	B delta-BHC	4.745	4.197	108.7E6	191.5E6	23.913	24.613
8)	B Heptachlo...	5.665	4.802	104.3E6	168.1E6	24.584	25.416
9)	A Endosulfan I	6.046	5.173	99024442	177.3E6	24.815	26.919
10)	B gamma-Chl...	5.919	5.054	109.4E6	174.8E6	24.768	24.989
11)	B alpha-Chl...	5.999	5.119	108.7E6	184.0E6	24.999	25.915
12)	B 4,4'-DDE	6.169	5.307	89563798	160.3E6	24.087	24.561
13)	MA Dieldrin	6.319	5.438	103.8E6	170.6E6	24.502	24.937
14)	MA Endrin	6.545	5.712	75881870	152.6E6	24.162	25.028
15)	B Endosulfa...	6.757	6.003	85668436	147.4E6	25.329	25.399m
16)	A 4,4'-DDD	6.677	5.859	71650668	132.2E6	24.600	25.187
17)	MA 4,4'-DDT	6.992	6.113	74288680	143.0E6	24.465	24.753
18)	B Endrin al...	6.886	6.182	55834732	113.1E6	25.291	26.639
19)	B Endosulfa...	7.119	6.406	75807591	141.9E6	24.844	25.508
20)	A Methoxychlor	7.464	6.684	39522332	77835403	25.770	25.981
21)	B Endrin ke...	7.599	6.909	82764438	158.8E6	25.035	25.653
22)	Mirex	8.079	7.101	70613541	126.1E6	25.849	26.192

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:36
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

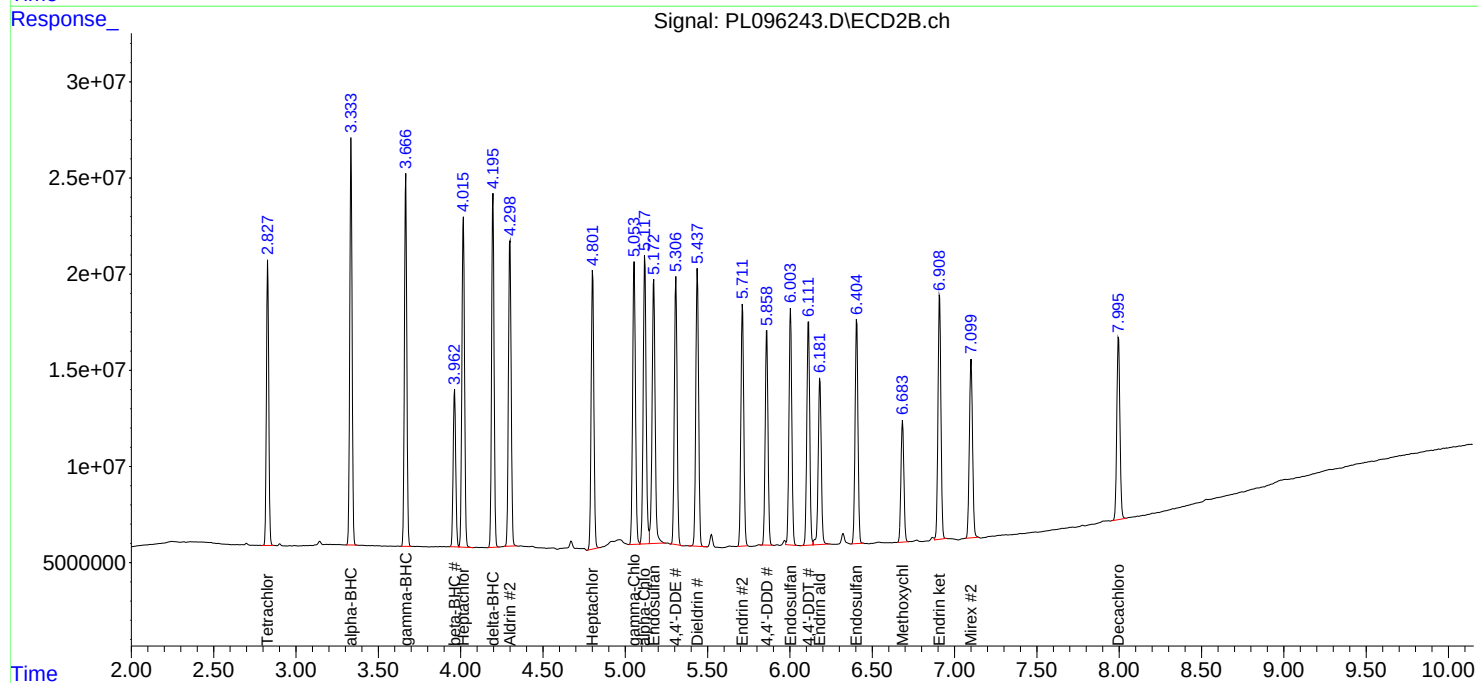
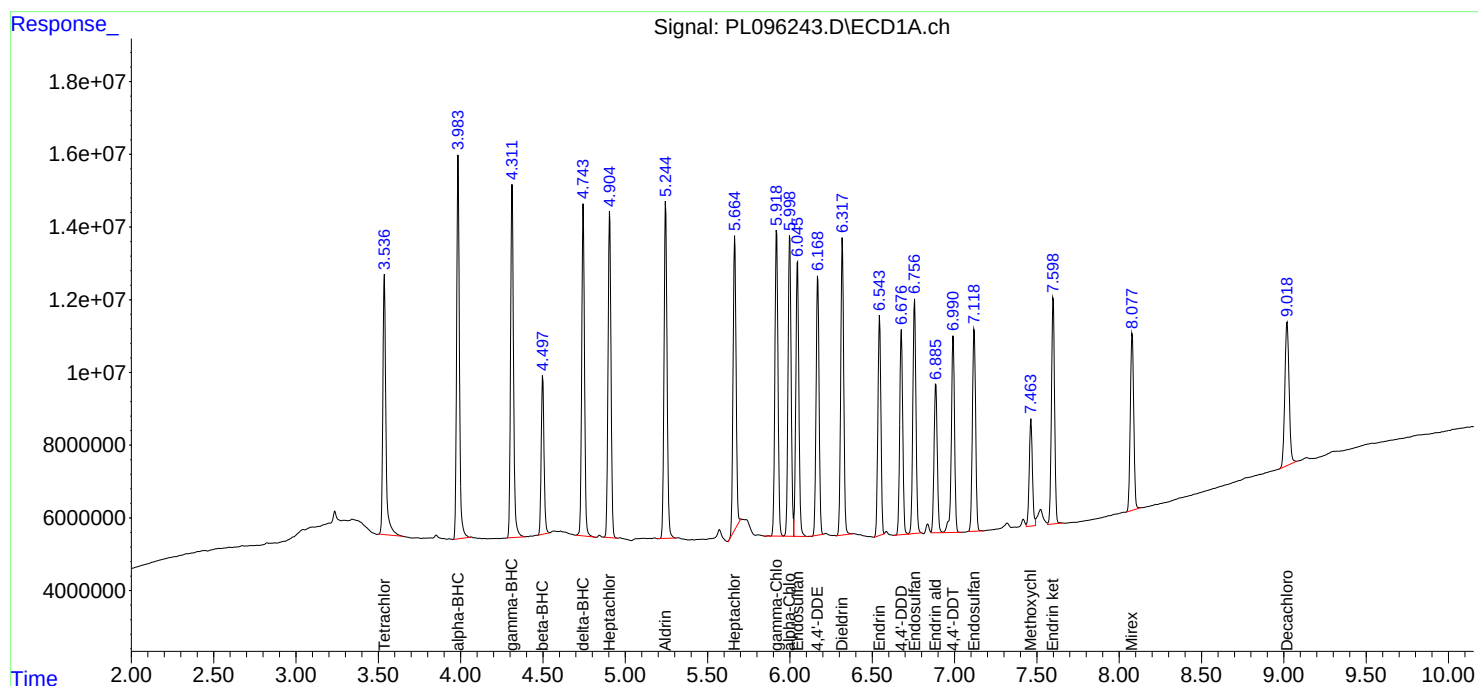
APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096244.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:49
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 14:00:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.828	19025537	29948633	5.214	5.189
28) SA Decachlor...	9.020	7.997	15503442	27603399	5.511	5.536
Target Compounds						
2) A alpha-BHC	3.984	3.334	23234160	39797350	4.518	4.718
3) MA gamma-BHC...	4.313	3.667	24037524	38230859	4.827	4.854
4) MA Heptachlor	4.905	4.016	24009255	38216999	5.241	5.023
5) MB Aldrin	5.246	4.299	23850765	35971559	4.934	4.931
6) B beta-BHC	4.499	3.963	11025016	18322787	5.304	5.351
7) B delta-BHC	4.745	4.196	21146545	36946663	4.719	4.797
8) B Heptachlo...	5.665	4.800	18852553	34843882	4.544	5.204m
9) A Endosulfan I	6.047	5.172	21120955	47626389	5.232	6.492m
10) B gamma-Chl...	5.919	5.054	22271617	35604780	5.033	5.072
11) B alpha-Chl...	6.000	5.119	22538956	45965555	5.147	6.112
12) B 4,4'-DDE	6.170	5.306	18320455	31070174	4.941	4.817m
13) MA Dieldrin	6.319	5.436	20962161	33636509	4.957	4.897m
14) MA Endrin	6.545	5.711	14943290	30446035	4.805	5.000m
15) B Endosulfa...	6.757	6.003	19106695	30567103	5.506	5.221m
16) A 4,4'-DDD	6.677	5.859	14539958	23257862	4.994	4.535
17) MA 4,4'-DDT	6.992	6.113	15148387	27808893	4.991	4.849
18) B Endrin al...	6.886	6.181	11735349	26462538	5.249	5.937m
19) B Endosulfa...	7.120	6.406	15445201	29371565	5.049	5.222
20) A Methoxychlor	7.465	6.685	8712032	16026571	5.530	5.276
21) B Endrin ke...	7.599	6.909	16421079	32509263	4.974	5.202m
22) Mirex	8.079	7.101	14920931	27895605	5.363	5.615

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:49
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

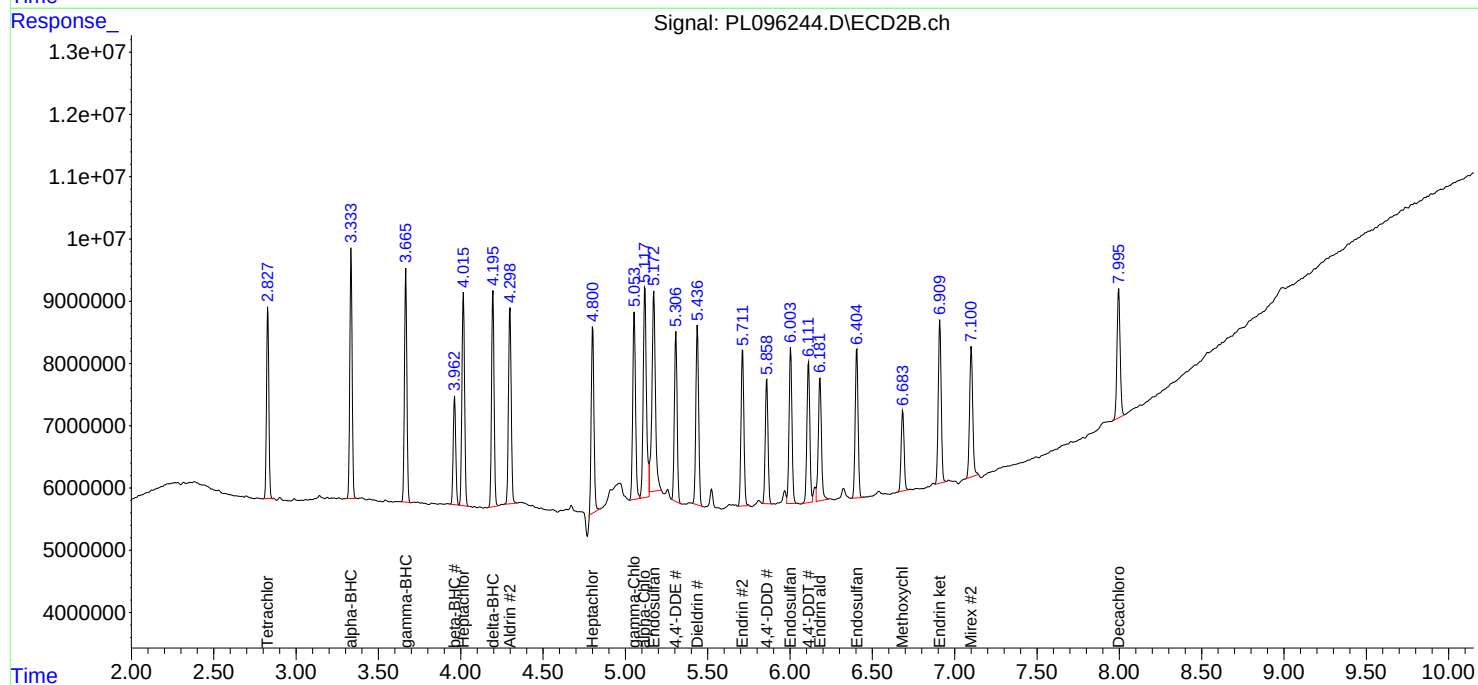
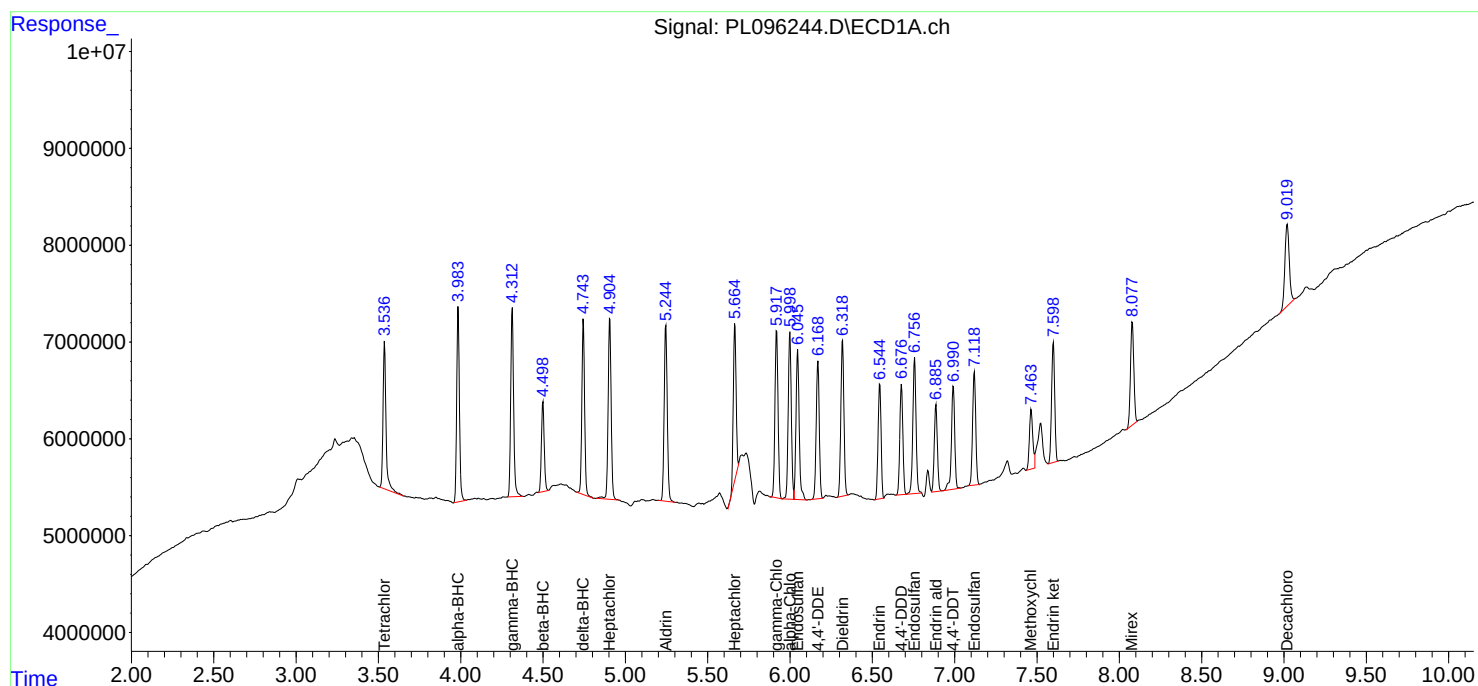
APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:00:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096247.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 12:30
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 14:08:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 14:08:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.828	171.6E6	355.1E6	50.000	50.000
28)	SA Decachlor...	9.019	7.996	132.7E6	239.1E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.693	3.841	88704924	117.7E6	500.000	500.000
24)	Chlordane-2	5.217	4.420	95284319	136.1E6	500.000	500.000
25)	Chlordane-3	5.920	5.055	369.2E6	398.6E6	500.000	500.000
26)	Chlordane-4	6.004	5.118	448.0E6	362.9E6	500.000	500.000
27)	Chlordane-5	6.841	6.013	71924209	141.5E6	500.000	500.000

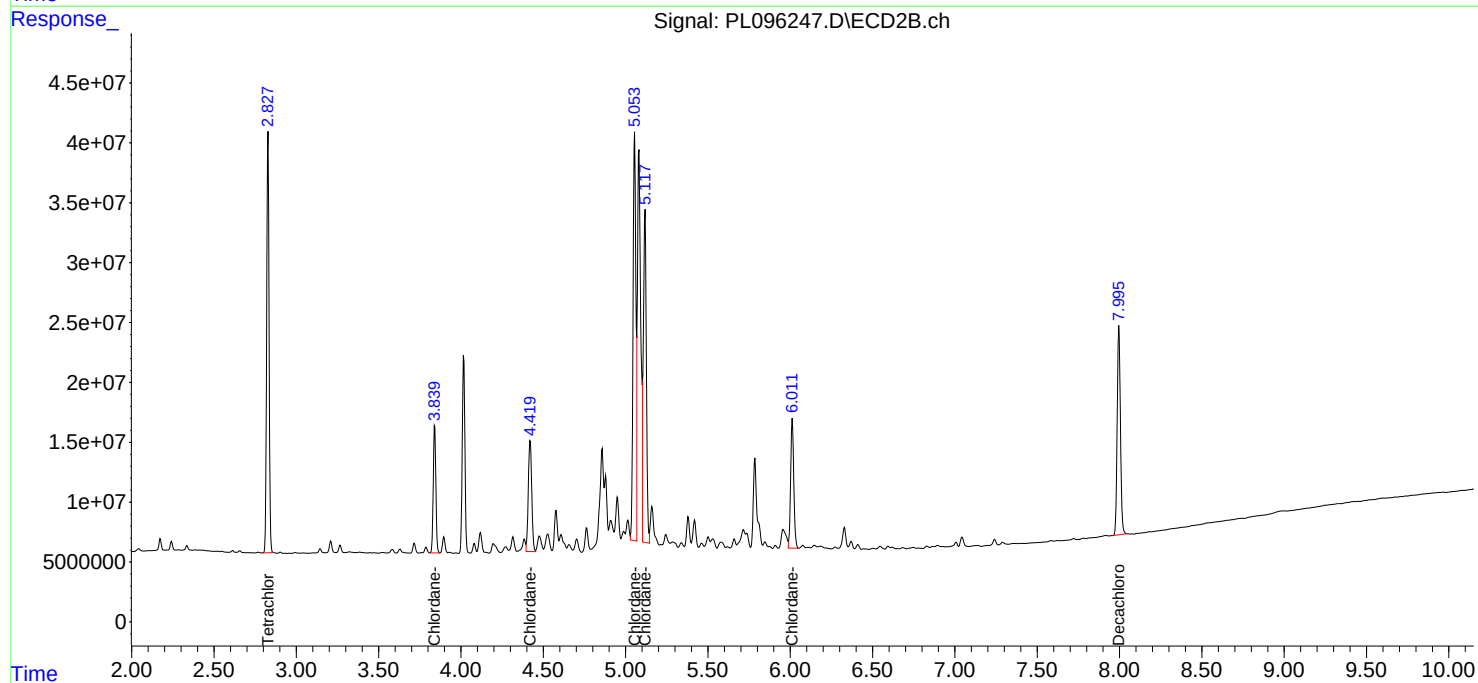
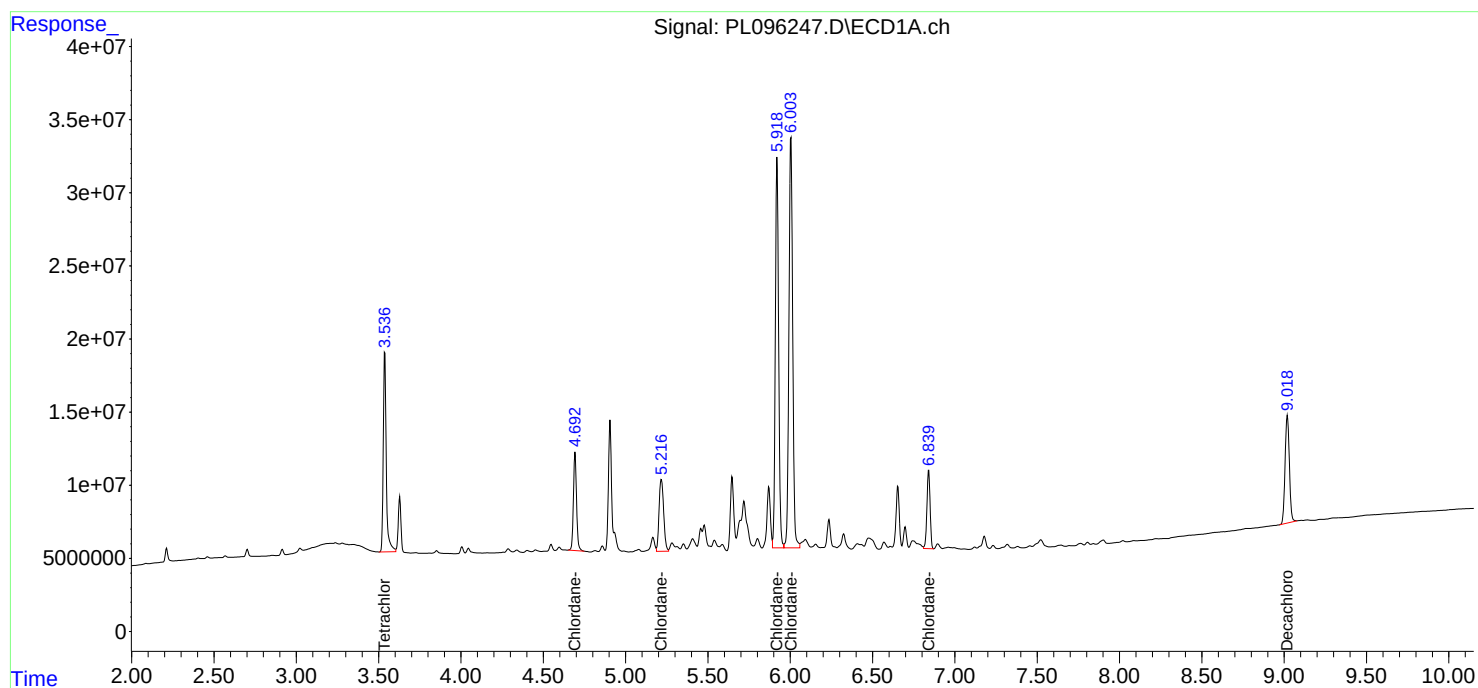
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:30
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:08:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:08:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096252.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 13:39
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 14:57:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 14:57:35 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.829	188.7E6	298.9E6	50.000	50.000
7) SA Decachlor...	9.020	7.997	144.9E6	263.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.215	5.077	15012733	18353677	500.000	500.000
3) Toxaphene-2	6.614	5.763	13059638	25924116	500.000	500.000
4) Toxaphene-3	7.027	6.043	60047575	25708745	500.000	500.000
5) Toxaphene-4	7.117	6.678	42985480	83206906	500.000	500.000
6) Toxaphene-5	7.896	7.118	30902169	50709284	500.000	500.000

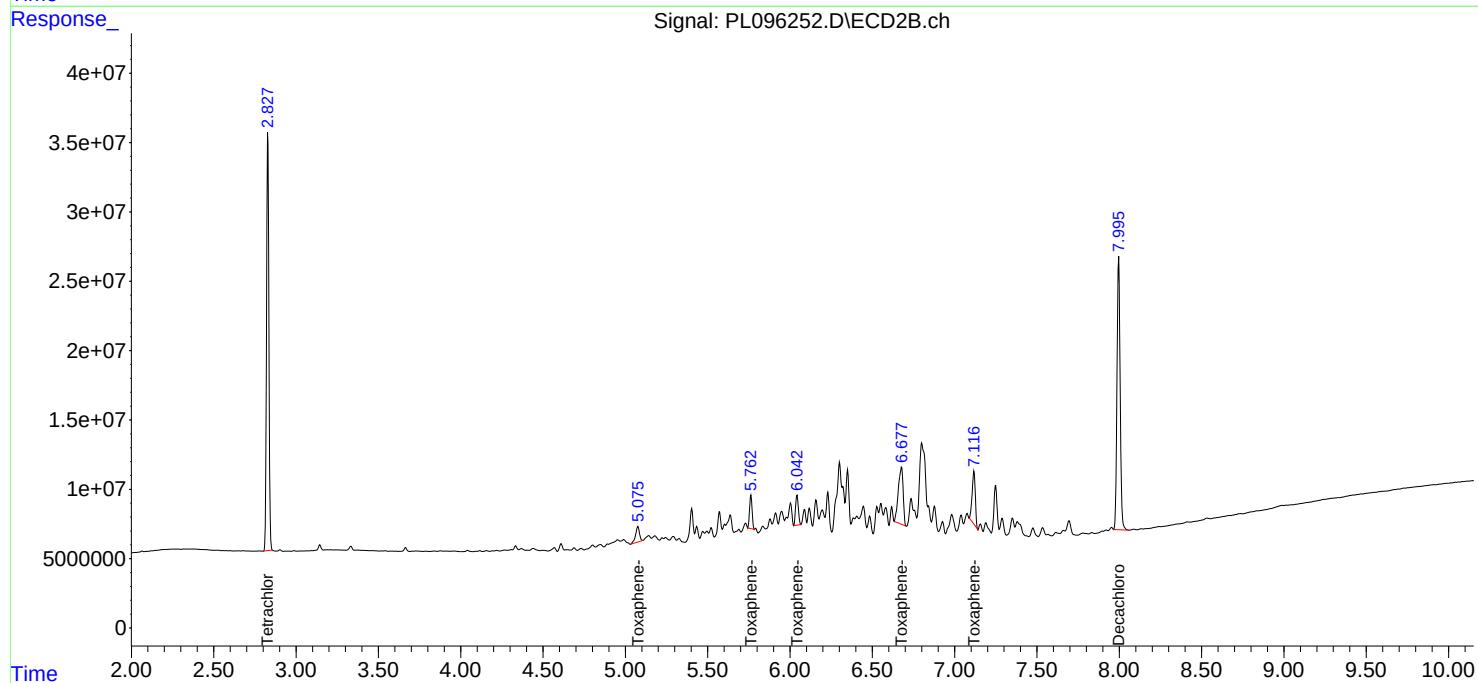
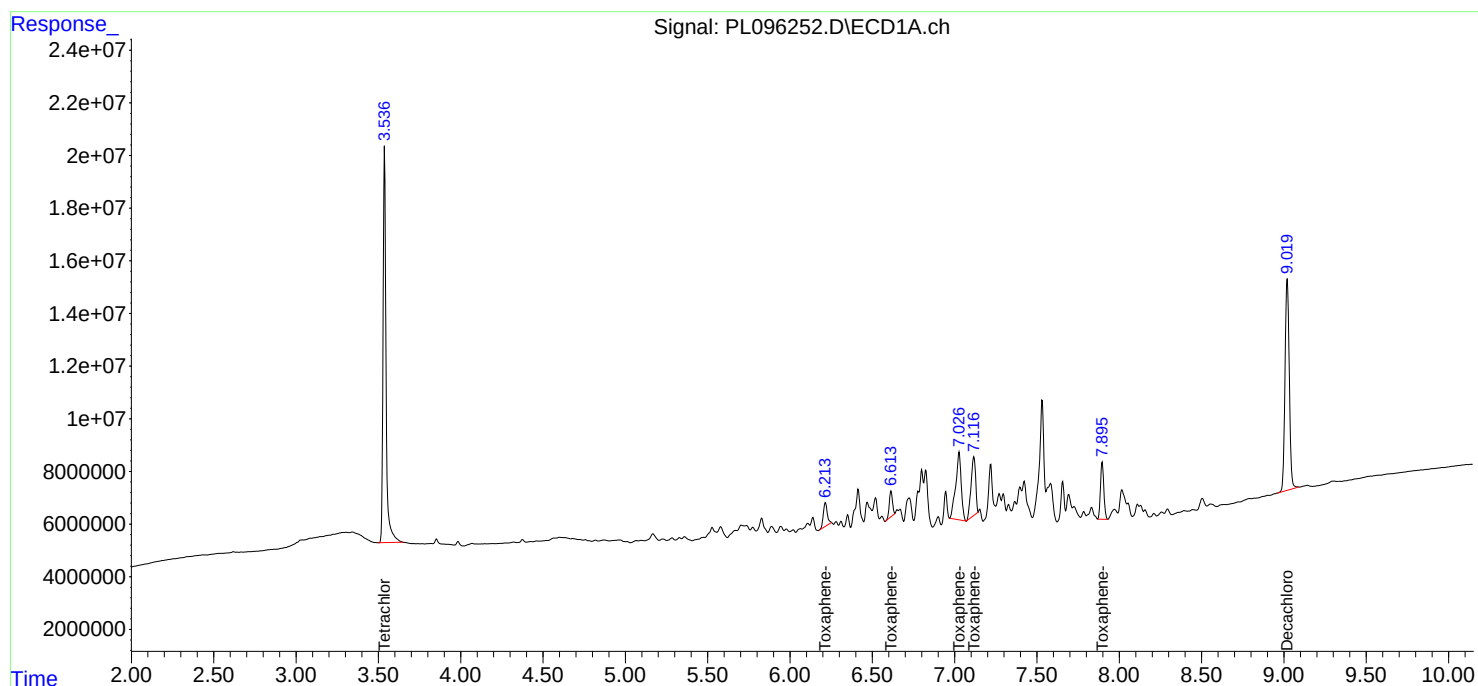
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:57:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:57:35 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096255.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 14:19
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL070725

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/08/2025
 Supervised By : mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 15:23:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.829	186.5E6	292.8E6	51.121	50.727
28)	SA Decachlor...	9.022	7.997	140.6E6	252.5E6	49.997	50.646
Target Compounds							
2)	A alpha-BHC	3.985	3.335	267.9E6	439.5E6	52.090	52.104
3)	MA gamma-BHC...	4.314	3.668	258.2E6	407.2E6	51.852	51.705
4)	MA Heptachlor	4.906	4.017	239.3E6	393.6E6	52.226	51.743
5)	MB Aldrin	5.245	4.300	247.3E6	377.0E6	51.152m	51.670
6)	B beta-BHC	4.500	3.964	105.6E6	173.3E6	50.792	50.626
7)	B delta-BHC	4.746	4.197	234.7E6	398.9E6	52.366	51.789
8)	B Heptachlo...	5.664	4.802	220.5E6	343.2E6	53.133m	51.344
9)	A Endosulfan I	6.047	5.174	205.2E6	331.1E6	50.831	46.148
10)	B gamma-Chl...	5.919	5.055	225.5E6	357.7E6	50.971	50.960
11)	B alpha-Chl...	6.000	5.119	222.4E6	359.0E6	50.784	47.738
12)	B 4,4'-DDE	6.170	5.308	190.6E6	334.4E6	51.411	51.739
13)	MA Dieldrin	6.320	5.438	215.9E6	351.2E6	51.070	51.494
14)	MA Endrin	6.546	5.713	165.8E6	314.2E6	53.309	51.541
15)	B Endosulfa...	6.758	6.005	180.6E6	300.7E6	52.046	51.281
16)	A 4,4'-DDD	6.679	5.860	150.5E6	262.9E6	51.690	51.256
17)	MA 4,4'-DDT	6.993	6.113	158.7E6	297.6E6	52.301	51.897
18)	B Endrin al...	6.887	6.183	122.0E6	220.2E6	54.555	49.434
19)	B Endosulfa...	7.120	6.406	156.8E6	287.8E6	51.259	51.179
20)	A Methoxychlor	7.465	6.685	80931127	156.5E6	51.372	51.507
21)	B Endrin ke...	7.600	6.911	170.6E6	319.2E6	51.674	51.060
22)	Mirex	8.080	7.102	139.8E6	249.2E6	50.233	50.167

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:19
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

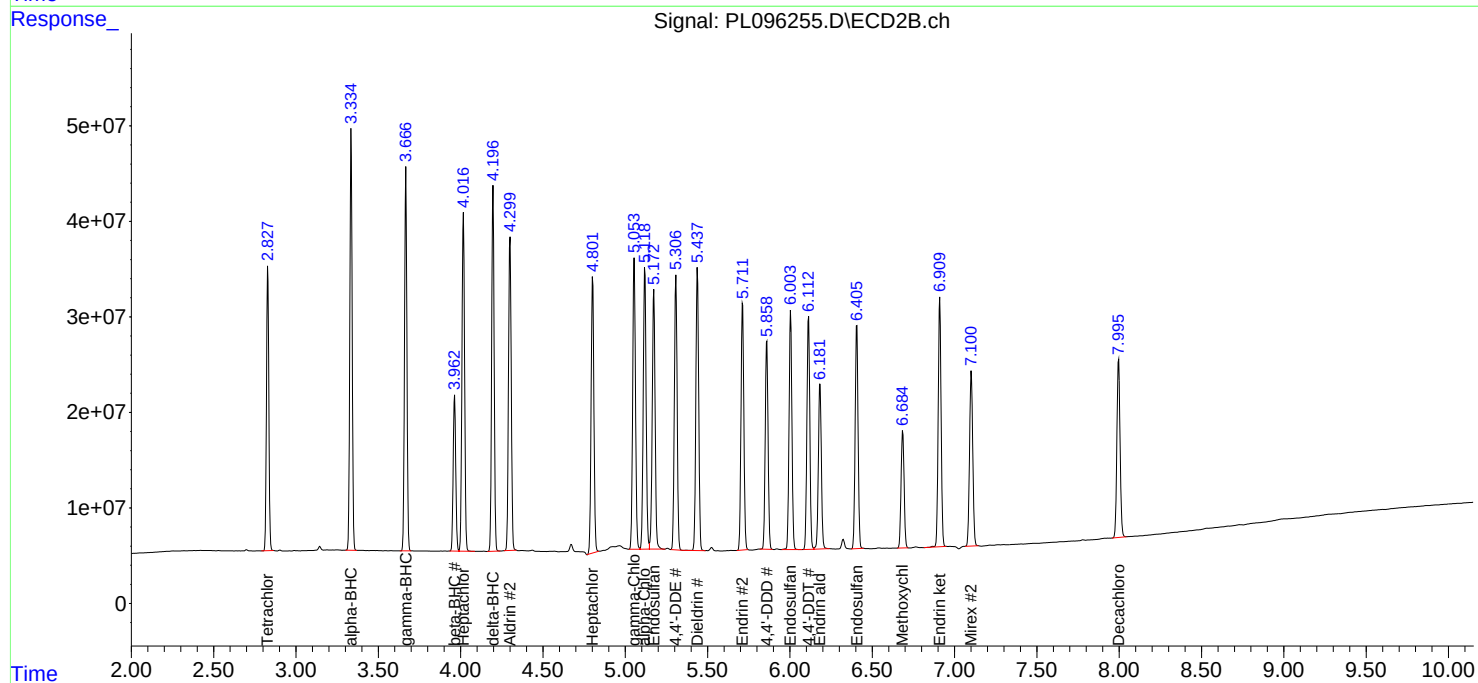
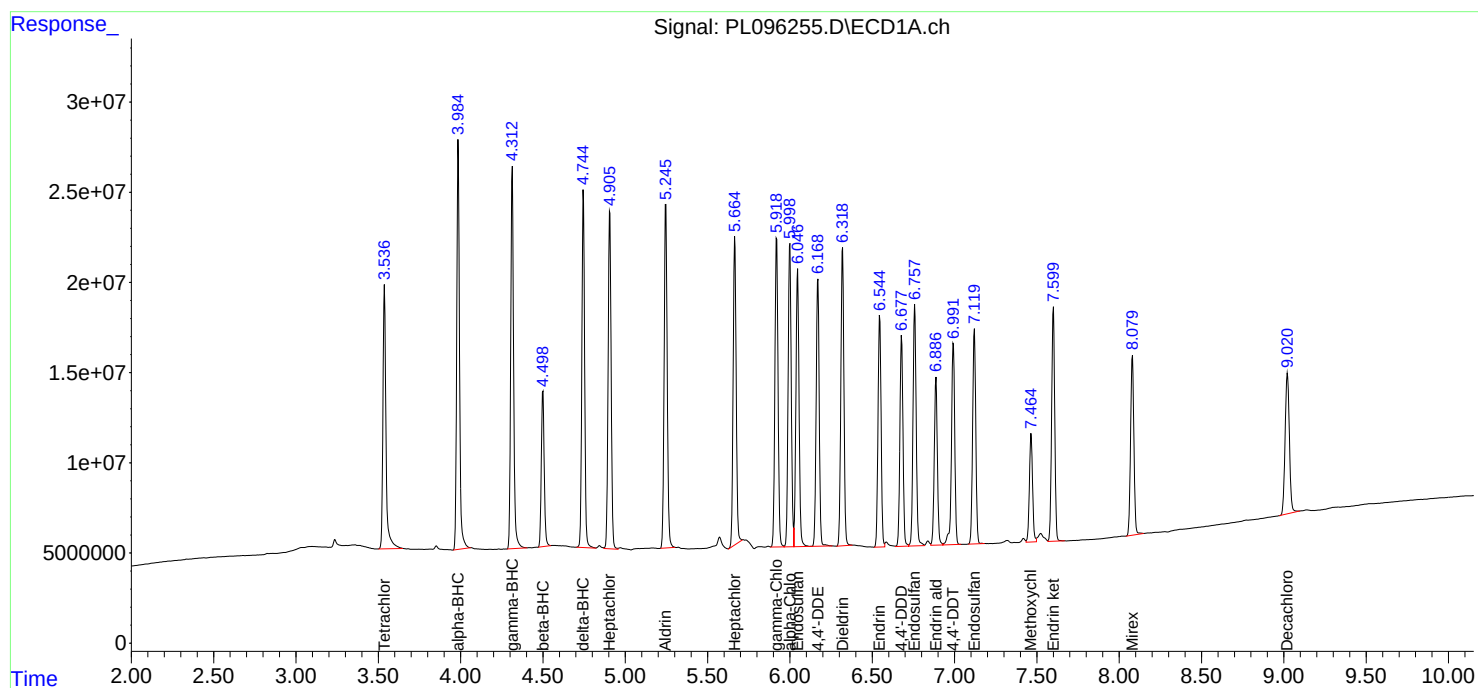
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:23:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096256.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 14:33
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL070725

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 14:49:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 14:49:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.828	175.5E6	356.0E6	50.385	50.184
28)	SA Decachlor...	9.020	7.996	132.8E6	244.6E6	44.672	47.568
Target Compounds							
23)	Chlordane-1	4.691	3.841	89634627	118.6E6	499.813m	501.718
24)	Chlordane-2	5.216	4.420	97490875	136.9E6	497.961	497.991
25)	Chlordane-3	5.920	5.054	374.3E6	402.4E6	507.981	500.221
26)	Chlordane-4	6.005	5.118	453.1E6	361.6E6	504.966	481.217
27)	Chlordane-5	6.841	6.013	72507096	142.2E6	480.381	501.557

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:33
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

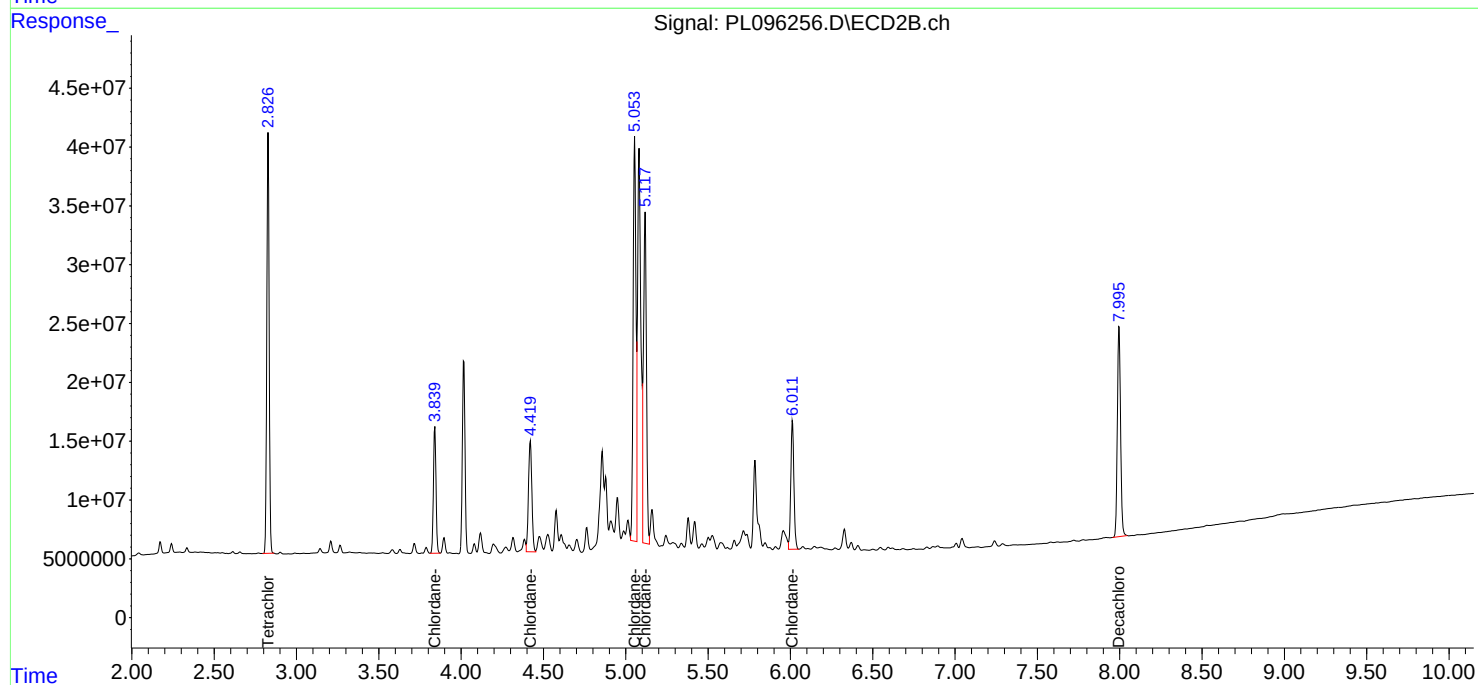
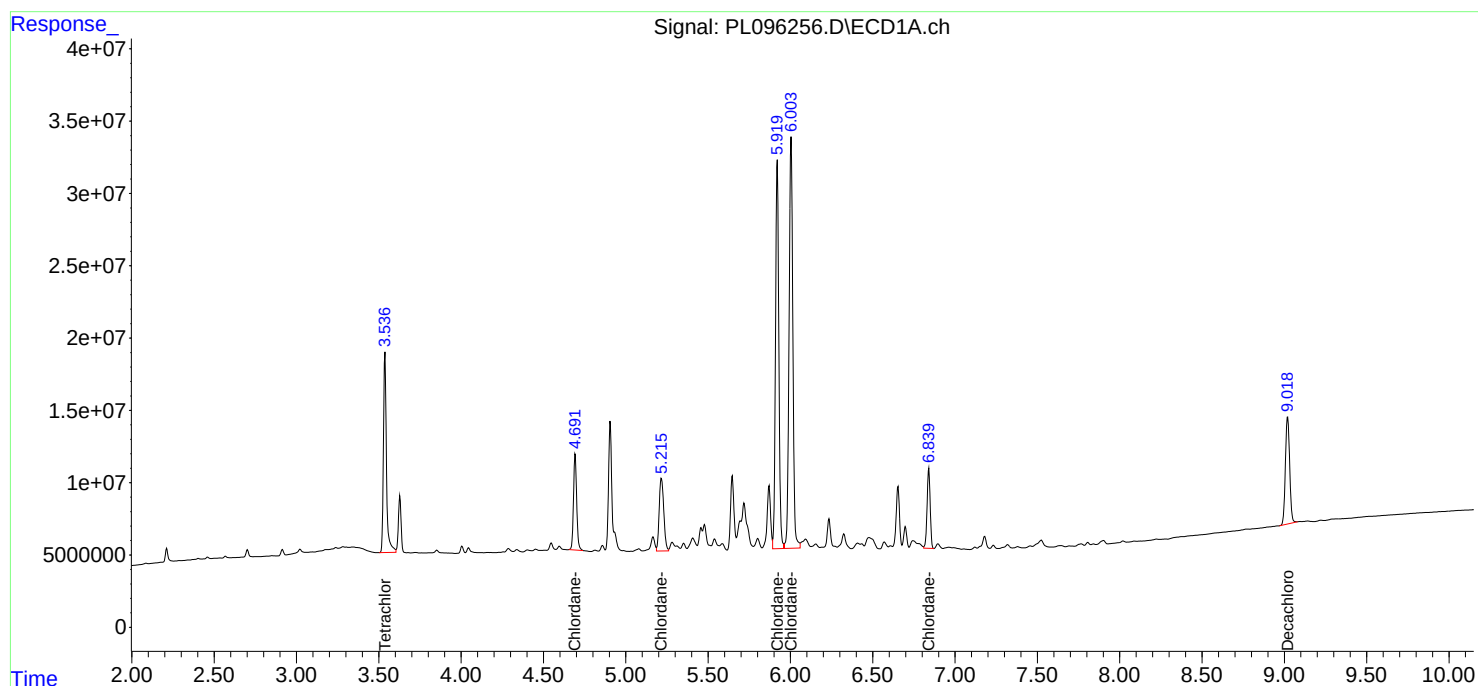
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:49:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:49:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096257.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 14:47
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL070725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 15:06:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:04:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.829	190.0E6	297.8E6	49.637	49.308
7)	SA Decachlor...	9.020	7.996	143.5E6	264.2E6	47.793	48.598
Target Compounds							
2)	Toxaphene-1	6.214	5.076	14908027	19002844	468.749	518.590
3)	Toxaphene-2	6.613	5.763	13480312	25791307	490.338	499.777
4)	Toxaphene-3	7.027	6.042	61048763	26083355	499.748	494.140
5)	Toxaphene-4	7.118	6.678	43785631	83941933	495.261	506.994
6)	Toxaphene-5	7.896	7.117	31207180	51731048	500.409	496.894

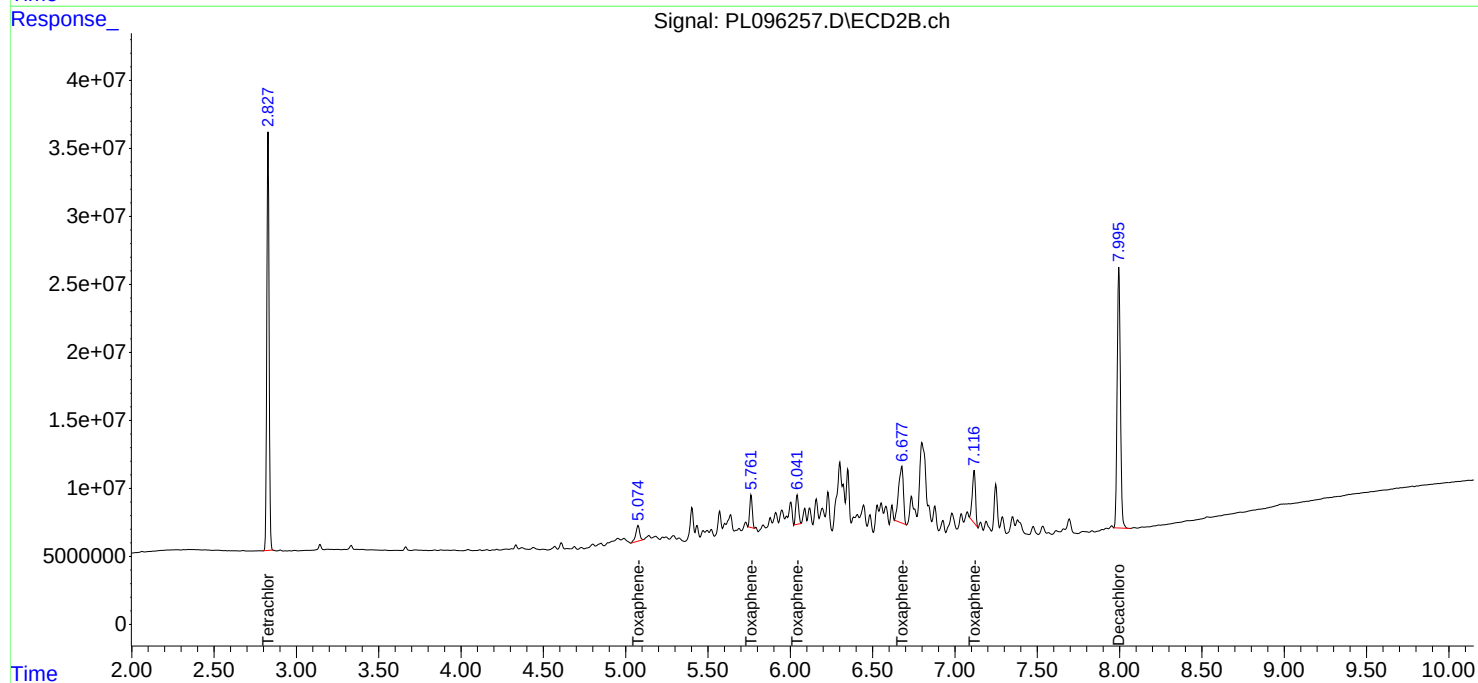
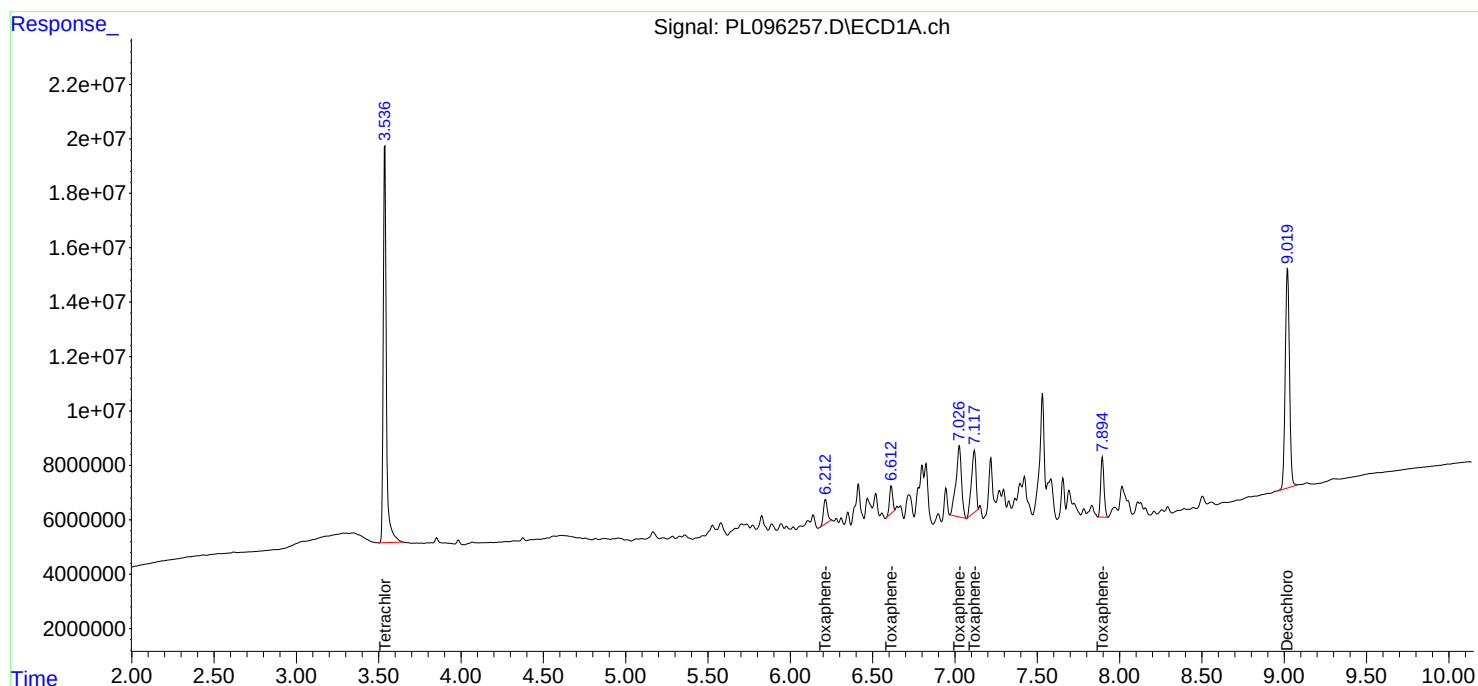
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:47
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:06:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:04:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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.: Q2651

Continuing Calib Date: 07/21/2025

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

07/07/2025

Continuing Calib Time: 12:44

Initial Calibration Time(s): 10:53

11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.98	3.99	3.89	4.09	0.01
beta-BHC	4.50	4.50	4.40	4.60	0.00
delta-BHC	4.75	4.75	4.65	4.85	0.01
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.24	5.25	5.15	5.35	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endosulfan I	6.05	6.05	5.95	6.15	0.00
Dieldrin	6.32	6.32	6.22	6.42	0.00
4,4'-DDE	6.17	6.17	6.07	6.27	0.00
Endrin	6.55	6.55	6.45	6.65	0.00
Endosulfan II	6.76	6.76	6.66	6.86	0.00
4,4'-DDD	6.68	6.68	6.58	6.78	0.00
Endosulfan sulfate	7.12	7.12	7.02	7.22	0.00
4,4'-DDT	6.99	6.99	6.89	7.09	0.00
Methoxychlor	7.47	7.46	7.36	7.56	-0.01
Endrin ketone	7.60	7.60	7.50	7.70	0.00
Endrin aldehyde	6.89	6.89	6.79	6.99	0.00
alpha-Chlordane	6.00	6.00	5.90	6.10	0.00
gamma-Chlordane	5.92	5.92	5.82	6.02	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.: Q2651

Continuing Calib Date: 07/21/2025

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

07/07/2025

Continuing Calib Time: 12:44

Initial Calibration Time(s): 10:53

11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.99	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.34	3.24	3.44	0.01
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.02	3.92	4.12	0.01
Aldrin	4.30	4.30	4.20	4.40	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endosulfan I	5.17	5.17	5.07	5.27	0.00
Dieldrin	5.43	5.44	5.34	5.54	0.01
4,4'-DDE	5.31	5.31	5.21	5.41	0.01
Endrin	5.71	5.71	5.61	5.81	0.00
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.86	5.86	5.76	5.96	0.00
Endosulfan sulfate	6.40	6.41	6.31	6.51	0.01
4,4'-DDT	6.11	6.11	6.01	6.21	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.91	6.91	6.81	7.01	0.00
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.12	5.12	5.02	5.22	0.00
gamma-Chlordane	5.05	5.05	4.95	5.15	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.:** Q2651
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096481.D **Time Analyzed:** 12:44

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.677	6.578	6.778	57.370	50.000	14.7
4,4'-DDE	6.168	6.069	6.269	52.020	50.000	4.0
4,4'-DDT	6.992	6.892	7.092	52.760	50.000	5.5
Aldrin	5.244	5.146	5.346	53.100	50.000	6.2
alpha-BHC	3.983	3.885	4.085	55.090	50.000	10.2
alpha-Chlordane	5.998	5.900	6.100	53.470	50.000	6.9
beta-BHC	4.498	4.399	4.599	54.980	50.000	10.0
Decachlorobiphenyl	9.019	8.920	9.120	49.240	50.000	-1.5
delta-BHC	4.745	4.646	4.846	56.040	50.000	12.1
Dieldrin	6.318	6.219	6.419	52.380	50.000	4.8
Endosulfan I	6.046	5.947	6.147	53.130	50.000	6.3
Endosulfan II	6.757	6.658	6.858	57.670	50.000	15.3
Endosulfan sulfate	7.120	7.019	7.219	52.940	50.000	5.9
Endrin	6.545	6.445	6.645	54.660	50.000	9.3
Endrin aldehyde	6.885	6.786	6.986	58.330	50.000	16.7
Endrin ketone	7.599	7.500	7.700	52.170	50.000	4.3
gamma-BHC (Lindane)	4.312	4.213	4.413	54.280	50.000	8.6
gamma-Chlordane	5.918	5.819	6.019	54.730	50.000	9.5
Heptachlor	4.905	4.806	5.006	54.150	50.000	8.3
Heptachlor epoxide	5.663	5.565	5.765	55.650	50.000	11.3
Methoxychlor	7.465	7.364	7.564	50.090	50.000	0.2
Tetrachloro-m-xylene	3.536	3.438	3.638	53.580	50.000	7.2



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.:** Q2651
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096481.D **Time Analyzed:** 12:44

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.857	5.759	5.959	59.310	50.000	18.6
4,4'-DDE	5.305	5.207	5.407	55.690	50.000	11.4
4,4'-DDT	6.110	6.012	6.212	51.860	50.000	3.7
Aldrin	4.297	4.200	4.400	56.960	50.000	13.9
alpha-BHC	3.333	3.235	3.435	58.250	50.000	16.5
alpha-Chlordane	5.116	5.018	5.218	50.730	50.000	1.5
beta-BHC	3.961	3.863	4.063	55.820	50.000	11.6
Decachlorobiphenyl	7.994	7.896	8.096	51.620	50.000	3.2
delta-BHC	4.194	4.097	4.297	57.230	50.000	14.5
Dieldrin	5.434	5.338	5.538	56.260	50.000	12.5
Endosulfan I	5.170	5.073	5.273	47.510	50.000	-5.0
Endosulfan II	6.001	5.904	6.104	55.210	50.000	10.4
Endosulfan sulfate	6.404	6.306	6.506	56.250	50.000	12.5
Endrin	5.710	5.612	5.812	53.460	50.000	6.9
Endrin aldehyde	6.180	6.082	6.282	54.260	50.000	8.5
Endrin ketone	6.908	6.810	7.010	56.320	50.000	12.6
gamma-BHC (Lindane)	3.665	3.567	3.767	57.430	50.000	14.9
gamma-Chlordane	5.051	4.954	5.154	55.790	50.000	11.6
Heptachlor	4.014	3.917	4.117	56.120	50.000	12.2
Heptachlor epoxide	4.799	4.702	4.902	55.580	50.000	11.2
Methoxychlor	6.682	6.584	6.784	51.240	50.000	2.5
Tetrachloro-m-xylene	2.828	2.729	2.929	56.730	50.000	13.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
 Data File : PL096481.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 12:44
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/22/2025
 Supervised By : mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:43:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.828	195.5E6	327.4E6	53.580	56.732
28)	SA Decachlor...	9.019	7.994	138.5E6	257.4E6	49.243	51.623
Target Compounds							
2)	A alpha-BHC	3.983	3.333	283.4E6	491.3E6	55.094	58.248
3)	MA gamma-BHC...	4.312	3.665	270.3E6	452.3E6	54.277	57.430
4)	MA Heptachlor	4.905	4.014	248.1E6	427.0E6	54.153	56.123
5)	MB Aldrin	5.244	4.297	256.7E6	415.6E6	53.102	56.964
6)	B beta-BHC	4.498	3.961	114.3E6	191.1E6	54.981	55.822
7)	B delta-BHC	4.745	4.194	251.1E6	440.8E6	56.040	57.229
8)	B Heptachlo...	5.663	4.799	230.9E6	371.6E6	55.645m	55.584
9)	A Endosulfan I	6.046	5.170	214.5E6	340.8E6	53.128	47.509
10)	B gamma-Chl...	5.918	5.051	242.2E6	391.6E6	54.732	55.792
11)	B alpha-Chl...	5.998	5.116	234.1E6	381.5E6	53.469	50.731
12)	B 4,4'-DDE	6.168	5.305	192.9E6	360.0E6	52.020	55.689
13)	MA Dieldrin	6.318	5.434	221.5E6	383.6E6	52.376	56.259m
14)	MA Endrin	6.545	5.710	170.0E6	325.9E6	54.664	53.463
15)	B Endosulfa...	6.757	6.001	200.1E6	323.7E6	57.672	55.207
16)	A 4,4'-DDD	6.677	5.857	167.0E6	304.2E6	57.367	59.309
17)	MA 4,4'-DDT	6.992	6.110	160.1E6	297.4E6	52.761	51.858
18)	B Endrin al...	6.885	6.180	130.4E6	241.7E6	58.331m	54.263
19)	B Endosulfa...	7.120	6.404	161.9E6	316.4E6	52.942	56.248
20)	A Methoxychlor	7.465	6.682	78916887	155.7E6	50.093	51.238
21)	B Endrin ke...	7.599	6.908	172.2E6	352.1E6	52.169	56.318
22)	Mirex	8.079	7.099	140.9E6	262.8E6	50.647	52.894

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

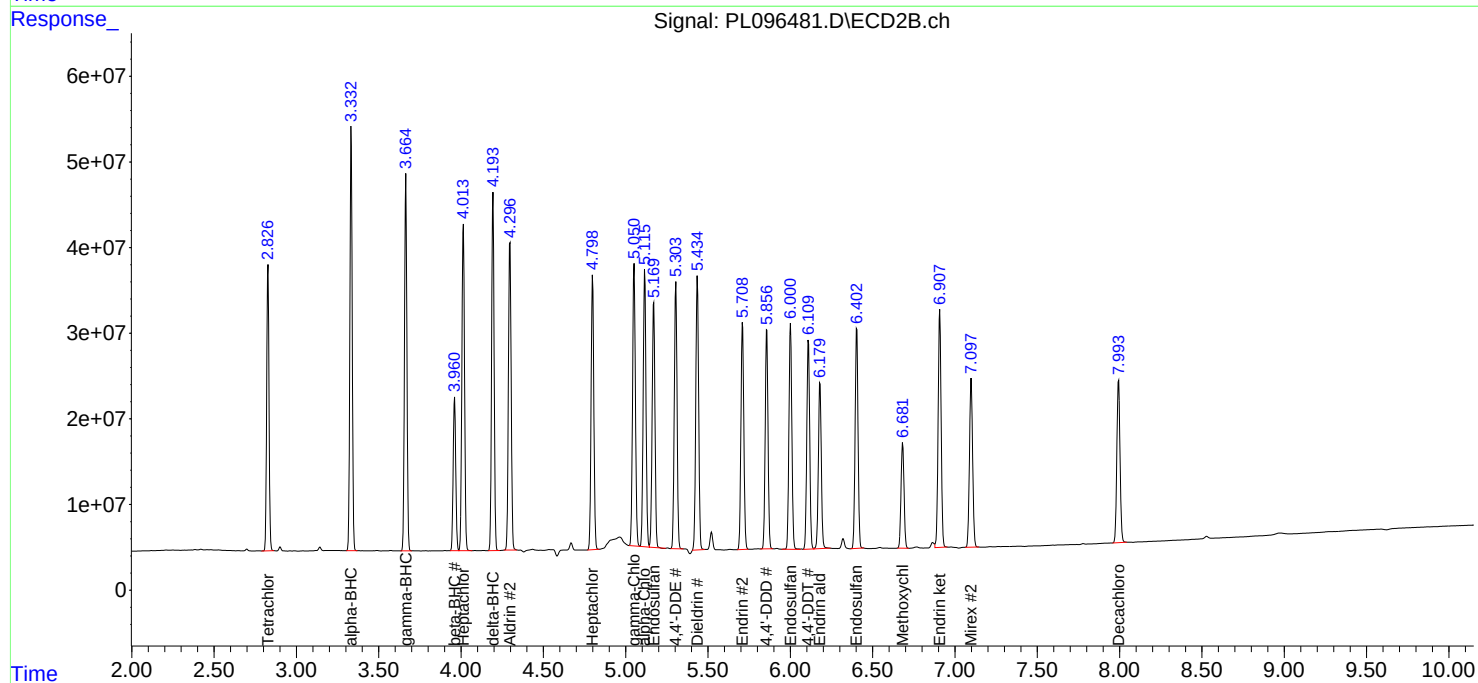
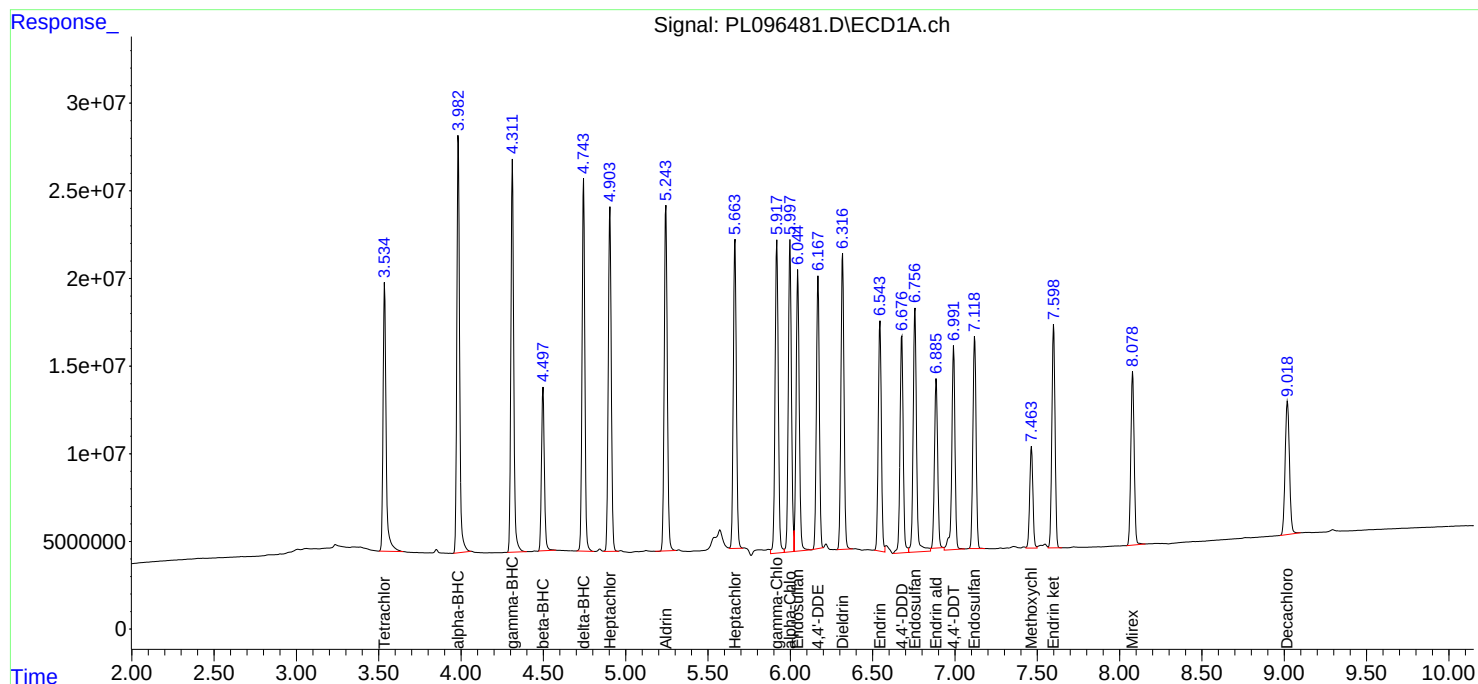
APPROVED

Reviewed By :Abdul Mirza 07/22/2025

Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm 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.: Q2651

Continuing Calib Date: 07/21/2025

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

07/07/2025

Continuing Calib Time: 16:08

Initial Calibration Time(s): 10:53

11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.01
beta-BHC	4.50	4.50	4.40	4.60	0.00
delta-BHC	4.75	4.75	4.65	4.85	0.01
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.24	5.25	5.15	5.35	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endosulfan I	6.05	6.05	5.95	6.15	0.00
Dieldrin	6.32	6.32	6.22	6.42	0.00
4,4'-DDE	6.17	6.17	6.07	6.27	0.00
Endrin	6.55	6.55	6.45	6.65	0.00
Endosulfan II	6.76	6.76	6.66	6.86	0.00
4,4'-DDD	6.68	6.68	6.58	6.78	0.00
Endosulfan sulfate	7.12	7.12	7.02	7.22	0.00
4,4'-DDT	6.99	6.99	6.89	7.09	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00
Endrin ketone	7.60	7.60	7.50	7.70	0.00
Endrin aldehyde	6.89	6.89	6.79	6.99	0.00
alpha-Chlordane	6.00	6.00	5.90	6.10	0.00
gamma-Chlordane	5.92	5.92	5.82	6.02	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.: Q2651

Continuing Calib Date: 07/21/2025

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

07/07/2025

Continuing Calib Time: 16:08

Initial Calibration Time(s): 10:53

11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.00	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.34	3.34	3.24	3.44	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.20	4.20	4.10	4.30	0.00
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.00
Heptachlor	4.02	4.02	3.92	4.12	0.00
Aldrin	4.30	4.30	4.20	4.40	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endosulfan I	5.17	5.17	5.07	5.27	0.00
Dieldrin	5.44	5.44	5.34	5.54	0.01
4,4'-DDE	5.31	5.31	5.21	5.41	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.86	5.86	5.76	5.96	0.00
Endosulfan sulfate	6.41	6.41	6.31	6.51	0.00
4,4'-DDT	6.11	6.11	6.01	6.21	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.91	6.91	6.81	7.01	0.00
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.12	5.12	5.02	5.22	0.00
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03
Lab Code: ACE **SDG NO.:** Q2651
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096493.D **Time Analyzed:** 16:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.678	6.578	6.778	57.900	50.000	15.8
4,4'-DDE	6.169	6.069	6.269	50.700	50.000	1.4
4,4'-DDT	6.992	6.892	7.092	46.220	50.000	-7.6
Aldrin	5.244	5.146	5.346	51.410	50.000	2.8
alpha-BHC	3.985	3.885	4.085	55.280	50.000	10.6
alpha-Chlordane	5.999	5.900	6.100	51.980	50.000	4.0
beta-BHC	4.499	4.399	4.599	55.380	50.000	10.8
Decachlorobiphenyl	9.021	8.920	9.120	45.350	50.000	-9.3
delta-BHC	4.745	4.646	4.846	56.170	50.000	12.3
Dieldrin	6.319	6.219	6.419	49.160	50.000	-1.7
Endosulfan I	6.045	5.947	6.147	49.180	50.000	-1.6
Endosulfan II	6.756	6.658	6.858	49.550	50.000	-0.9
Endosulfan sulfate	7.120	7.019	7.219	48.110	50.000	-3.8
Endrin	6.545	6.445	6.645	51.230	50.000	2.5
Endrin aldehyde	6.885	6.786	6.986	52.500	50.000	5.0
Endrin ketone	7.599	7.500	7.700	47.400	50.000	-5.2
gamma-BHC (Lindane)	4.313	4.213	4.413	54.280	50.000	8.6
gamma-Chlordane	5.917	5.819	6.019	50.170	50.000	0.3
Heptachlor	4.905	4.806	5.006	51.650	50.000	3.3
Heptachlor epoxide	5.663	5.565	5.765	53.210	50.000	6.4
Methoxychlor	7.464	7.364	7.564	47.200	50.000	-5.6
Tetrachloro-m-xylene	3.537	3.438	3.638	54.110	50.000	8.2



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.:** Q2651
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/21/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096493.D **Time Analyzed:** 16:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.858	5.759	5.959	54.020	50.000	8.0
4,4'-DDE	5.306	5.207	5.407	52.020	50.000	4.0
4,4'-DDT	6.111	6.012	6.212	42.300	50.000	-15.4
Aldrin	4.299	4.200	4.400	56.010	50.000	12.0
alpha-BHC	3.335	3.235	3.435	57.970	50.000	15.9
alpha-Chlordane	5.117	5.018	5.218	47.930	50.000	-4.1
beta-BHC	3.963	3.863	4.063	55.060	50.000	10.1
Decachlorobiphenyl	7.995	7.896	8.096	41.120	50.000	-17.8
delta-BHC	4.196	4.097	4.297	56.370	50.000	12.7
Dieldrin	5.435	5.338	5.538	52.850	50.000	5.7
Endosulfan I	5.172	5.073	5.273	44.560	50.000	-10.9
Endosulfan II	6.003	5.904	6.104	48.940	50.000	-2.1
Endosulfan sulfate	6.405	6.306	6.506	48.010	50.000	-4.0
Endrin	5.711	5.612	5.812	52.030	50.000	4.1
Endrin aldehyde	6.181	6.082	6.282	45.020	50.000	-10.0
Endrin ketone	6.909	6.810	7.010	46.190	50.000	-7.6
gamma-BHC (Lindane)	3.667	3.567	3.767	56.760	50.000	13.5
gamma-Chlordane	5.052	4.954	5.154	52.870	50.000	5.7
Heptachlor	4.016	3.917	4.117	53.900	50.000	7.8
Heptachlor epoxide	4.801	4.702	4.902	53.290	50.000	6.6
Methoxychlor	6.683	6.584	6.784	40.570	50.000	-18.9
Tetrachloro-m-xylene	2.829	2.729	2.929	56.330	50.000	12.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
 Data File : PL096493.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 16:08
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/22/2025
 Supervised By : mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:47:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.829	197.4E6	325.1E6	54.107	56.332
28)	SA Decachlor...	9.021	7.995	127.6E6	205.1E6	45.348	41.122
Target Compounds							
2)	A alpha-BHC	3.985	3.335	284.3E6	488.9E6	55.281	57.967
3)	MA gamma-BHC...	4.313	3.667	270.3E6	447.0E6	54.276	56.761
4)	MA Heptachlor	4.905	4.016	236.6E6	410.1E6	51.654	53.899
5)	MB Aldrin	5.244	4.299	248.5E6	408.6E6	51.409	56.009
6)	B beta-BHC	4.499	3.963	115.1E6	188.5E6	55.375	55.060
7)	B delta-BHC	4.745	4.196	251.7E6	434.2E6	56.170	56.375
8)	B Heptachlo...	5.663	4.801	220.8E6	356.3E6	53.207m	53.293
9)	A Endosulfan I	6.045	5.172	198.6E6	319.7E6	49.183m	44.558
10)	B gamma-Chl...	5.917	5.052	222.0E6	371.1E6	50.168m	52.871
11)	B alpha-Chl...	5.999	5.117	227.6E6	360.4E6	51.984	47.927
12)	B 4,4'-DDE	6.169	5.306	188.0E6	336.2E6	50.705	52.019
13)	MA Dieldrin	6.319	5.435	207.9E6	360.4E6	49.158	52.855m
14)	MA Endrin	6.545	5.711	159.3E6	317.2E6	51.234	52.033
15)	B Endosulfa...	6.756	6.003	171.9E6	287.0E6	49.546m	48.942
16)	A 4,4'-DDD	6.678	5.858	168.6E6	277.1E6	57.899	54.025
17)	MA 4,4'-DDT	6.992	6.111	140.3E6	242.6E6	46.217	42.301
18)	B Endrin al...	6.885	6.181	117.4E6	200.6E6	52.496m	45.024
19)	B Endosulfa...	7.120	6.405	147.2E6	270.0E6	48.111	48.012
20)	A Methoxychlor	7.464	6.683	74352715	123.2E6	47.196	40.572
21)	B Endrin ke...	7.599	6.909	156.5E6	288.8E6	47.399	46.189
22)	Mirex	8.080	7.100	127.2E6	212.1E6	45.727	42.694

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

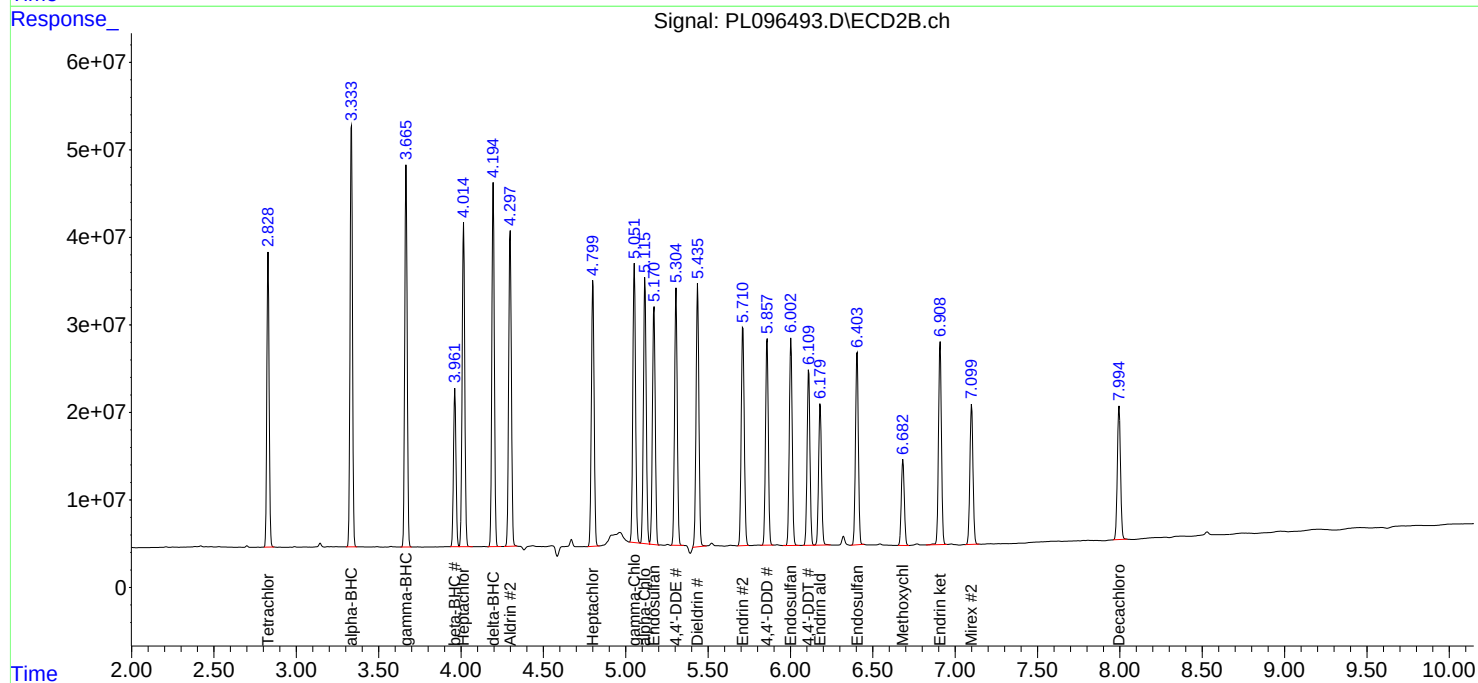
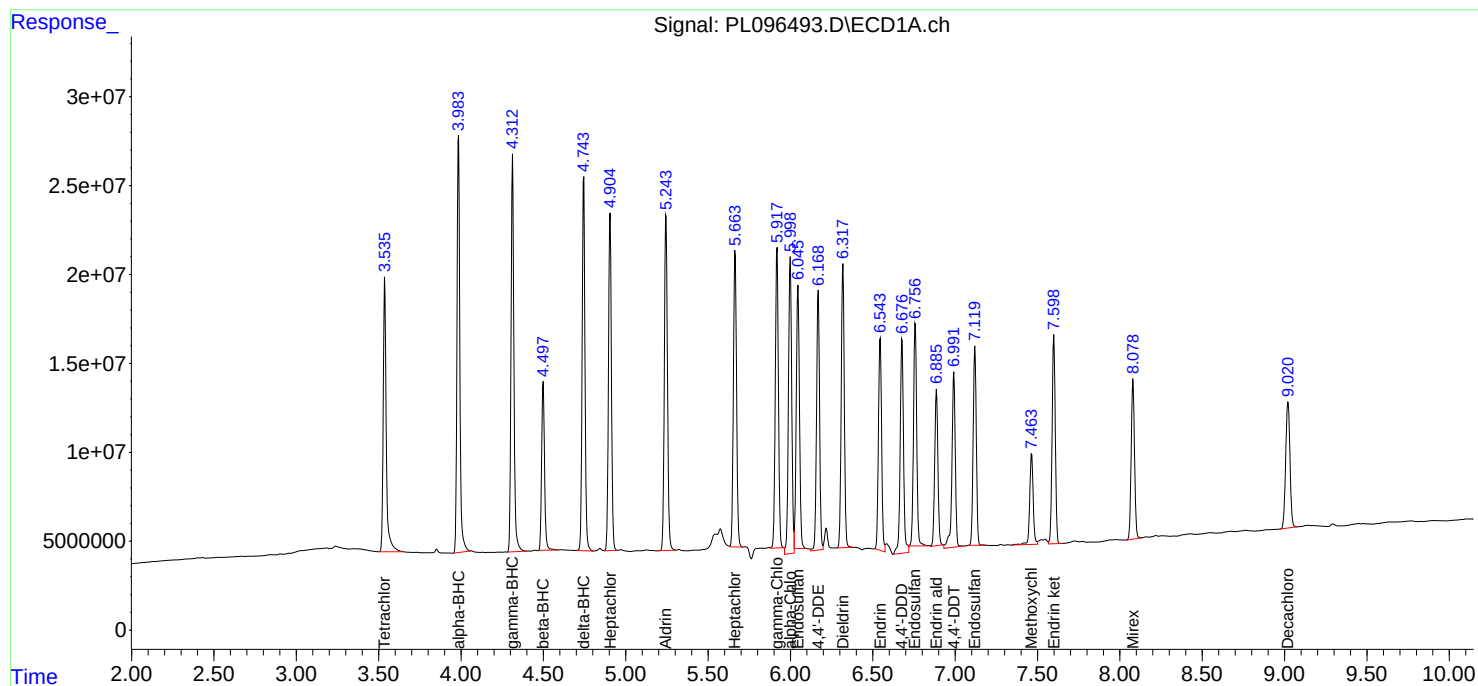
APPROVED

Reviewed By :Abdul Mirza 07/22/2025

Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

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

Client Sample No. (PEM): PEM - PL096238.D Date Analyzed: 07/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:26

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.020	8.920	9.120	21.820	20.000	9.1
Tetrachloro-m-xylene	3.537	3.490	3.590	20.640	20.000	3.2
alpha-BHC	3.985	3.930	4.040	10.150	10.000	1.5
beta-BHC	4.500	4.450	4.550	10.650	10.000	6.5
gamma-BHC (Lindane)	4.313	4.260	4.360	10.640	10.000	6.4
Endrin	6.546	6.480	6.620	55.200	50.000	10.4
4,4'-DDT	6.992	6.920	7.060	106.050	100.000	6.1
Methoxychlor	7.465	7.390	7.540	251.880	250.000	0.8

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

Client Sample No. (PEM): PEM - PL096238.D Date Analyzed: 07/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:26

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.996	7.900	8.100	21.970	20.000	9.9
Tetrachloro-m-xylene	2.829	2.780	2.880	21.010	20.000	5.1
alpha-BHC	3.335	3.280	3.390	10.410	10.000	4.1
beta-BHC	3.963	3.910	4.010	10.960	10.000	9.6
gamma-BHC (Lindane)	3.667	3.620	3.720	10.560	10.000	5.6
Endrin	5.713	5.640	5.780	55.380	50.000	10.8
4,4'-DDT	6.113	6.040	6.180	113.720	100.000	13.7
Methoxychlor	6.685	6.610	6.760	248.840	250.000	-0.5

Data File: PEM
 PL096238.D Date Acquired 7/7/2025 10:26
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.55	171686206.6	184393664.9	12707458.3	6.89
Endrin aldehyde	6.89	3352023.736			
Endrin ketone	7.60	9355434.607			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	337605120.7	345602858.2	7997737.54	2.31
Endrin aldehyde #2	6.18	4525238.004			
Endrin ketone #2	6.91	3472499.537			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	321893056.5	329724639.4	7831582.88	2.38
4,4'-DDE	0.00	0			
4,4'-DDD	6.68	7831582.884			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	652208058	654720571.4	2512513.38	0.38
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.86	2512513.383			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096238.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 10:26
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 15:27:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.829	75321177	121.3E6	20.642	21.009
28)	SA Decachlor...	9.020	7.996	61373713	109.6E6	21.817	21.972
Target Compounds							
2)	A alpha-BHC	3.985	3.335	52179910	87832663	10.146	10.414
3)	MA gamma-BHC...	4.313	3.667	52975484	83194325	10.638	10.563
6)	B beta-BHC	4.500	3.963	22129275	37541154	10.645	10.964
14)	MA Endrin	6.546	5.713	171.7E6	337.6E6	55.201	55.377
16)	A 4,4'-DDD	6.678	5.861	7831583	2512513	2.690m	0.490m#
17)	MA 4,4'-DDT	6.992	6.113	321.9E6	652.2E6	106.053	113.722
18)	B Endrin al...	6.888	6.184	3352024	4525238	1.499m	1.016m#
20)	A Methoxychlor	7.465	6.685	396.8E6	755.9E6	251.881	248.841
21)	B Endrin ke...	7.600	6.908	9355435	3472500	2.834	0.555m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

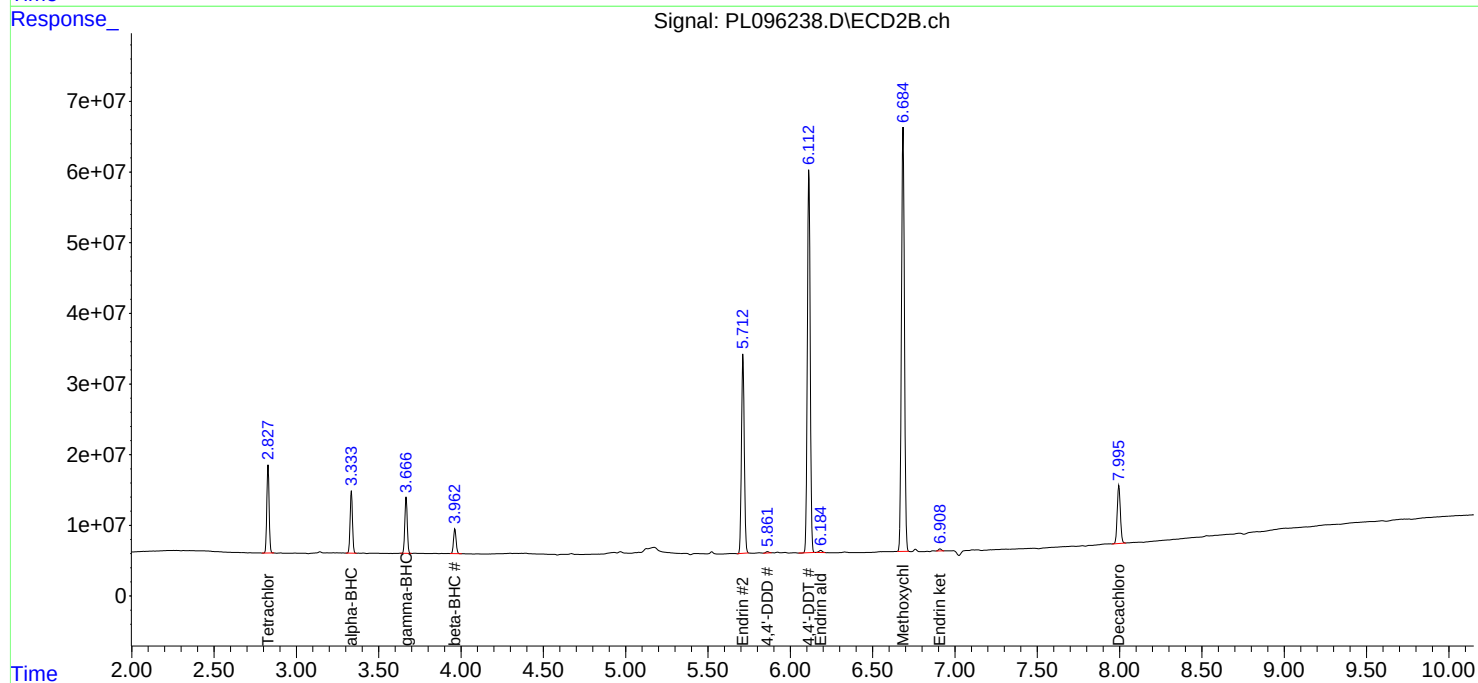
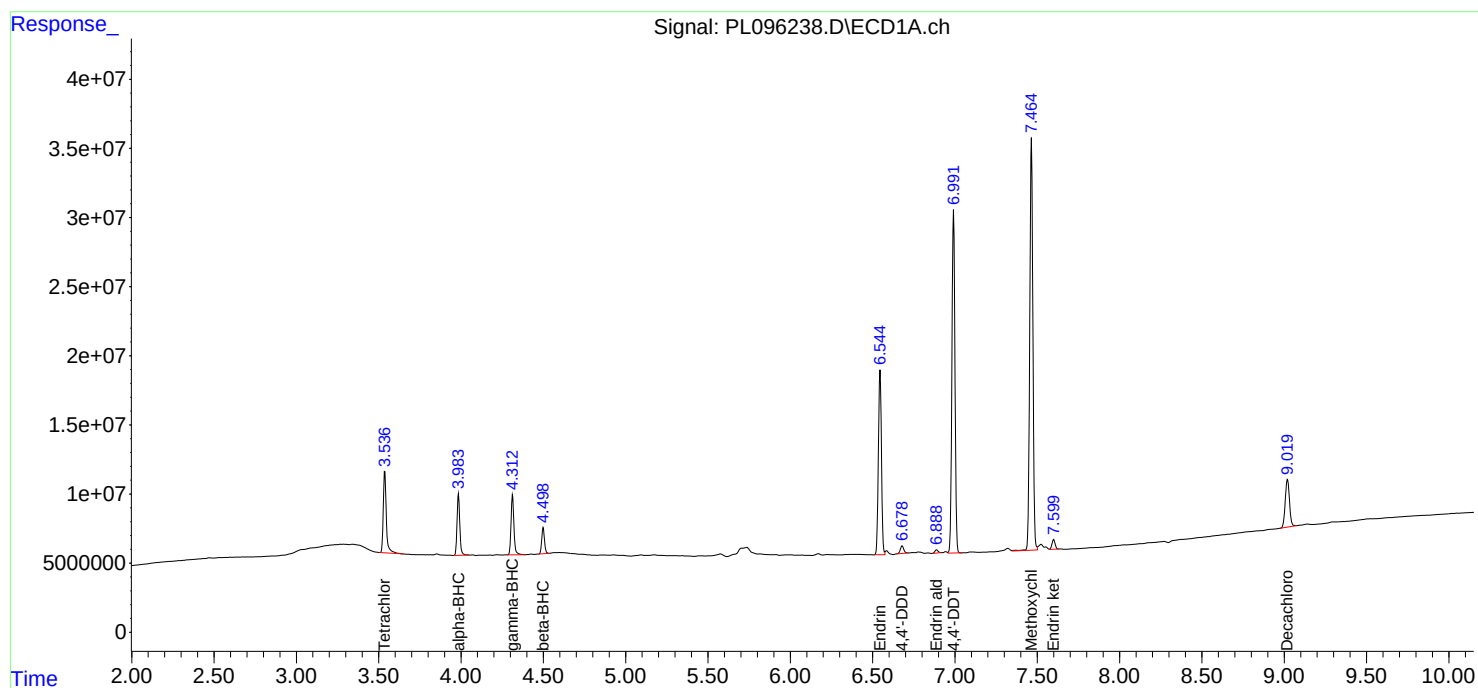
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

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

Client Sample No. (PEM): PEM - PL096480.D Date Analyzed: 07/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:30

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.024	8.920	9.120	21.320	20.000	6.6
Tetrachloro-m-xylene	3.535	3.480	3.590	21.180	20.000	5.9
alpha-BHC	3.983	3.930	4.030	10.910	10.000	9.1
beta-BHC	4.498	4.450	4.550	11.440	10.000	14.4
gamma-BHC (Lindane)	4.312	4.260	4.360	10.760	10.000	7.6
Endrin	6.546	6.480	6.620	57.310	50.000	14.6
4,4'-DDT	6.994	6.920	7.060	102.510	100.000	2.5
Methoxychlor	7.467	7.400	7.540	244.180	250.000	-2.3

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

Client Sample No. (PEM): PEM - PL096480.D Date Analyzed: 07/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:30

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.994	7.890	8.090	22.400	20.000	12.0
Tetrachloro-m-xylene	2.825	2.770	2.880	22.600	20.000	13.0
alpha-BHC	3.331	3.280	3.380	11.150	10.000	11.5
beta-BHC	3.959	3.910	4.010	11.840	10.000	18.4
gamma-BHC (Lindane)	3.663	3.610	3.710	11.310	10.000	13.1
Endrin	5.709	5.640	5.780	55.780	50.000	11.6
4,4'-DDT	6.110	6.040	6.180	111.560	100.000	11.6
Methoxychlor	6.683	6.610	6.750	234.930	250.000	-6.0

PEM
 Data File: PL096480.D Date Acquired 7/21/2025 12:30
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.55	178258491.6	191200477.8	12941986.2	Down 6.77
Endrin aldehyde	6.89	3258568.252			
Endrin ketone	7.60	9683417.952			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	340072130.9	379279164	39207033.1	10.34
Endrin aldehyde #2	6.18	10054250.78			
Endrin ketone #2	6.91	29152782.33			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	311151793.3	333594300.7	22442507.5	6.73
4,4'-DDE	6.17	1460920.426			
4,4'-DDD	6.68	20981587.04			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	639800180.3	666307471.5	26507291.2	3.98
4,4'-DDE #2	5.30	842883.297			
4,4'-DDD #2	5.86	25664407.93			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
 Data File : PL096480.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 12:30
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/22/2025
 Supervised By : mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:43:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.825	77296470	130.4E6	21.183	22.600
28)	SA Decachlor...	9.024	7.994	59986402	111.7E6	21.324	22.402
Target Compounds							
2)	A alpha-BHC	3.983	3.331	56123842	94071420	10.912	11.153
3)	MA gamma-BHC...	4.312	3.663	53569568	89058605	10.758	11.308
6)	B beta-BHC	4.498	3.959	23771543	40537724	11.435	11.840
12)	B 4,4'-DDE	6.172	5.304	1460920	842883	0.394m	0.130m#
14)	MA Endrin	6.546	5.709	178.3E6	340.1E6	57.314	55.782
16)	A 4,4'-DDD	6.679	5.857	20981587	25664408	7.206	5.004 #
17)	MA 4,4'-DDT	6.994	6.110	311.2E6	639.8E6	102.514	111.558
18)	B Endrin al...	6.888	6.181	3258568	10054251	1.458m	2.257 #
20)	A Methoxychlor	7.467	6.683	384.7E6	713.7E6	244.179	234.935
21)	B Endrin ke...	7.602	6.907	9683418	29152782	2.933	4.663 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

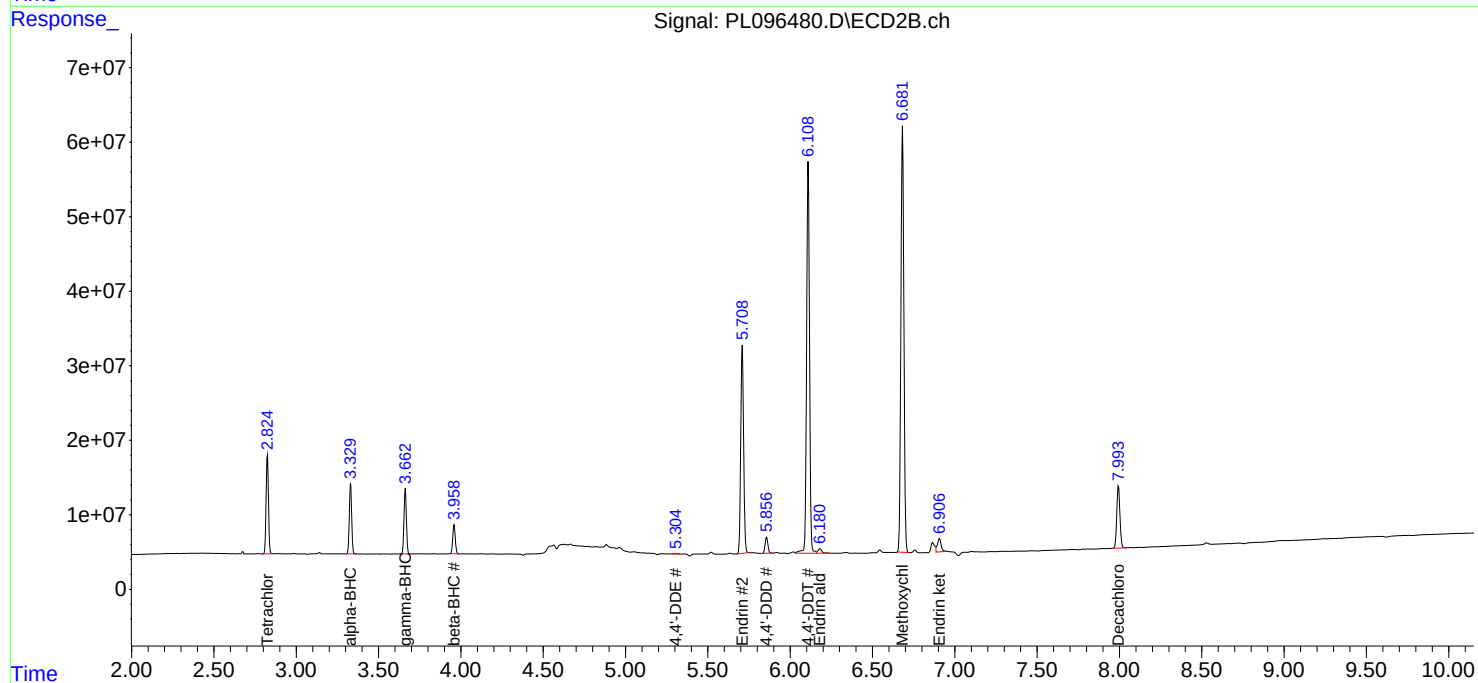
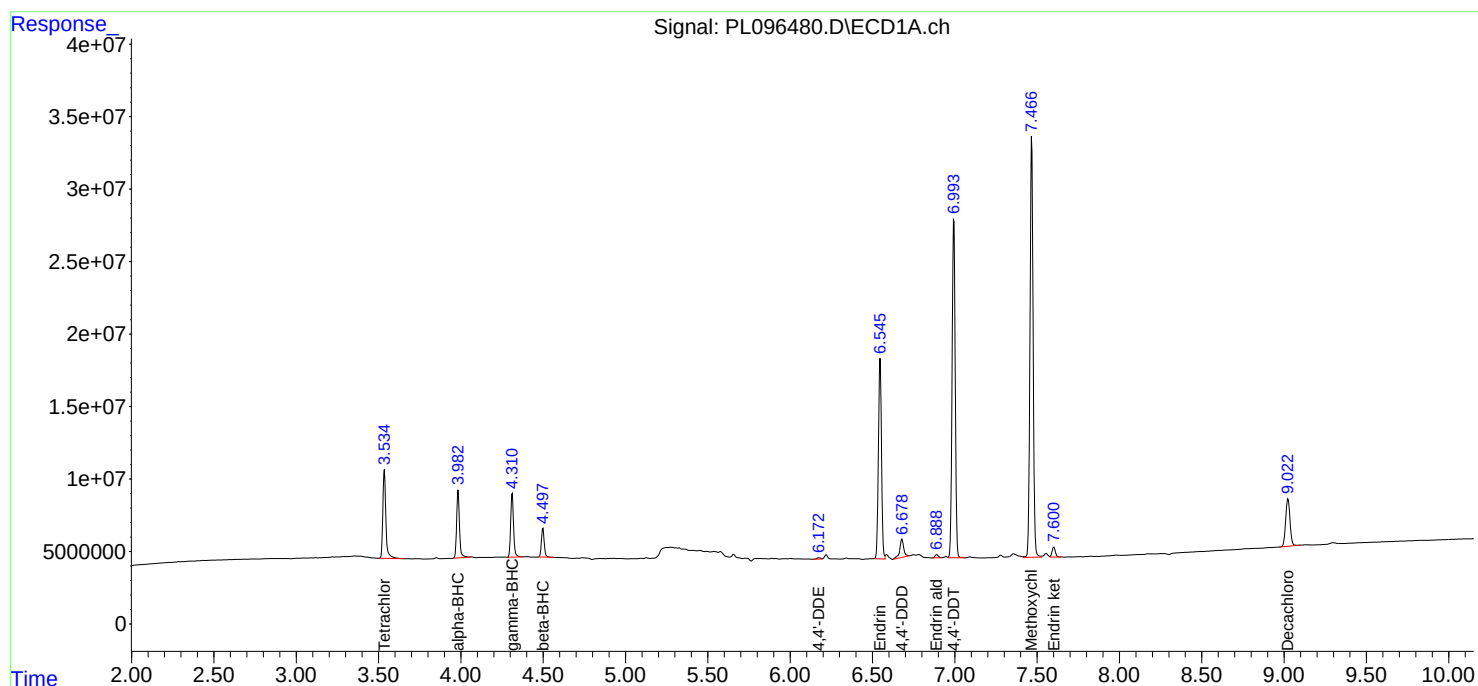
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Title : GC Extractables
Last Update : Mon Jul 07 15:22:07 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.537	5.919	100.00%
5.919	6.047	100.00%
6.047	6.169	100.00%
6.169	6.319	100.00%
6.319	7.120	100.00%
7.120	7.464	100.00%
7.464	7.599	100.00%
7.599	9.020	100.00%

Signal #2

2.829	5.054	100.00%
5.054	5.173	100.00%
5.173	5.307	100.00%
5.307	5.438	100.00%
5.438	6.406	100.00%
6.406	6.685	100.00%
6.685	6.910	100.00%
6.910	7.996	100.00%

PL070725.M Thu Jul 24 01:04:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096239.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 10:40
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/08/2025
 Supervised By : mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 15:27:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.829	62690780	102.2E6	17.180	17.704
28)	SA Decachlor...	9.020	7.996	50426233	89762754	17.926	18.001
Target Compounds							
9)	A Endosulfan I	6.047	5.171	32887236	74513445	8.146	10.386m#
10)	B gamma-Chl...	5.919	5.054	38063125	59640944	8.602	8.496
12)	B 4,4'-DDE	6.169	5.307	64648183	115.1E6	17.437	17.809
13)	MA Dieldrin	6.319	5.438	73314501	120.9E6	17.339	17.729
19)	B Endosulfa...	7.120	6.406	55307739	102.1E6	18.081	18.156
20)	A Methoxychlor	7.464	6.685	131.3E6	265.5E6	83.329	87.403
21)	B Endrin ke...	7.599	6.910	58507106	113.8E6	17.721	18.203

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

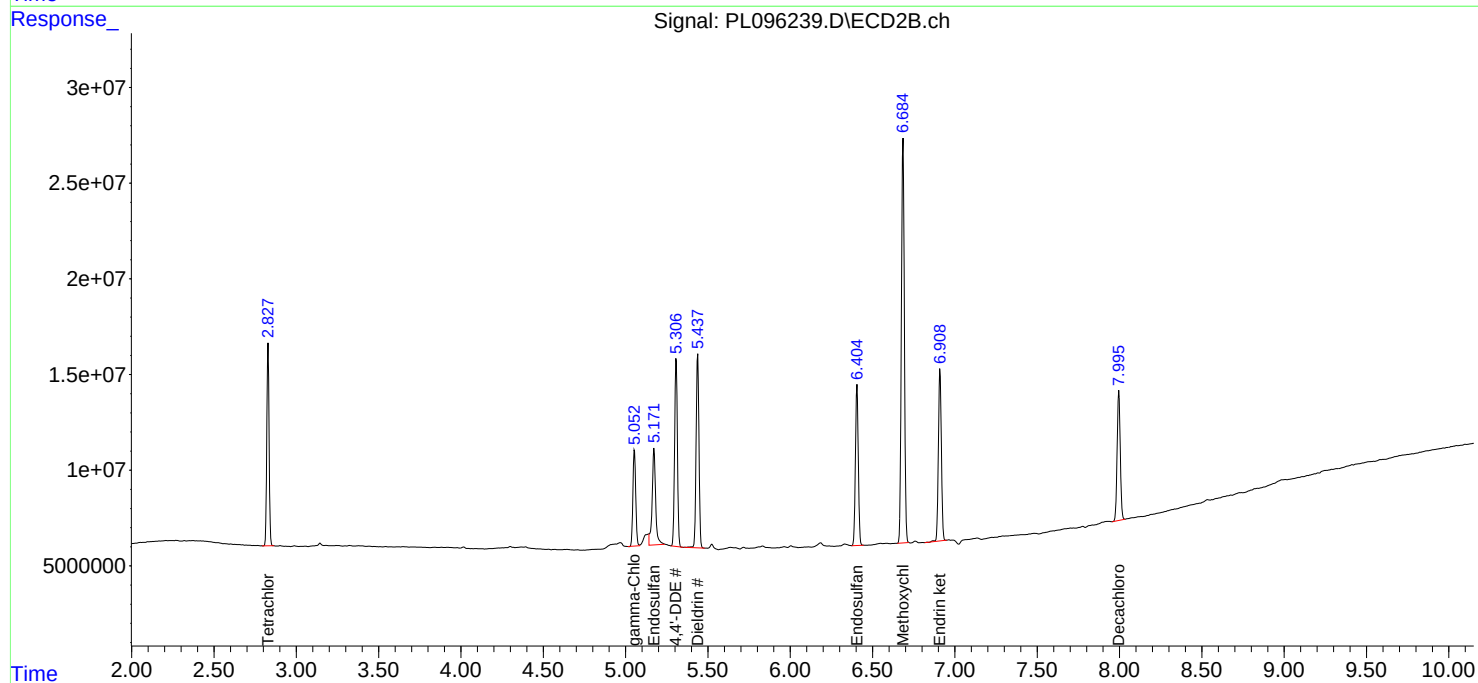
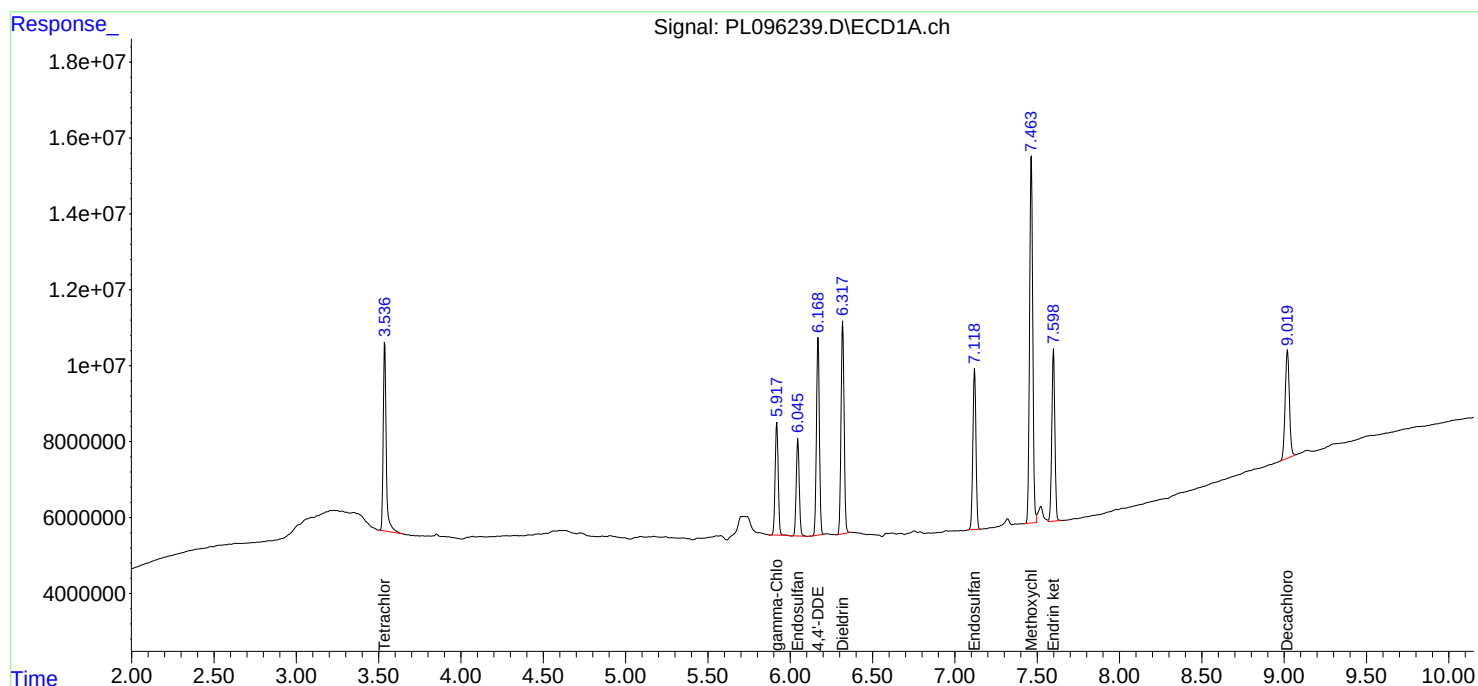
Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: Earth Engineering Inc.

SDG No.: Q2651

Project: Leon Avenue

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

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

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	07/07/2025	10:12	PL096237.D	9.02	3.54
PEM	PEM	07/07/2025	10:26	PL096238.D	9.02	3.54
RESCHK	RESCHK	07/07/2025	10:40	PL096239.D	9.02	3.54
PSTDICC100	PSTDICC100	07/07/2025	10:53	PL096240.D	9.02	3.54
PSTDICC075	PSTDICC075	07/07/2025	11:09	PL096241.D	9.02	3.54
PSTDICC050	PSTDICC050	07/07/2025	11:22	PL096242.D	9.02	3.54
PSTDICC025	PSTDICC025	07/07/2025	11:36	PL096243.D	9.02	3.54
PSTDICC005	PSTDICC005	07/07/2025	11:49	PL096244.D	9.02	3.54
PCHLORICC500	PCHLORICC500	07/07/2025	12:30	PL096247.D	9.02	3.54
PTOXICC500	PTOXICC500	07/07/2025	13:39	PL096252.D	9.02	3.54
IBLK	IBLK	07/21/2025	11:50	PL096479.D	9.02	3.54
PEM	PEM	07/21/2025	12:30	PL096480.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/21/2025	12:44	PL096481.D	9.02	3.54
PB168928BL	PB168928BL	07/21/2025	12:57	PL096482.D	9.02	3.54
PB168928BS	PB168928BS	07/21/2025	13:11	PL096483.D	9.02	3.54
RT2286MS	Q2635-01MS	07/21/2025	14:05	PL096485.D	9.02	3.53
RT2286MSD	Q2635-01MSD	07/21/2025	14:19	PL096486.D	9.02	3.53
MH 2-1	Q2651-01	07/21/2025	14:32	PL096487.D	9.02	3.54
MH 6-5	Q2651-02	07/21/2025	14:46	PL096488.D	9.02	3.54
MH 7-6	Q2651-03	07/21/2025	15:00	PL096489.D	9.02	3.54
MH 8-7	Q2651-04	07/21/2025	15:13	PL096490.D	9.02	3.54
MH 9-8	Q2651-05	07/21/2025	15:27	PL096491.D	9.02	3.54
IBLK	IBLK	07/21/2025	15:40	PL096492.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/21/2025	16:08	PL096493.D	9.02	3.54

Analytical Sequence

Client: Earth Engineering Inc.

SDG No.: Q2651

Project: Leon Avenue

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

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

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	07/07/2025	10:12	PL096237.D	8.00	2.83
PEM	PEM	07/07/2025	10:26	PL096238.D	8.00	2.83
RESCHK	RESCHK	07/07/2025	10:40	PL096239.D	8.00	2.83
PSTDICC100	PSTDICC100	07/07/2025	10:53	PL096240.D	8.00	2.83
PSTDICC075	PSTDICC075	07/07/2025	11:09	PL096241.D	8.00	2.83
PSTDICC050	PSTDICC050	07/07/2025	11:22	PL096242.D	8.00	2.83
PSTDICC025	PSTDICC025	07/07/2025	11:36	PL096243.D	8.00	2.83
PSTDICC005	PSTDICC005	07/07/2025	11:49	PL096244.D	8.00	2.83
PCHLORICC500	PCHLORICC500	07/07/2025	12:30	PL096247.D	8.00	2.83
PTOXICC500	PTOXICC500	07/07/2025	13:39	PL096252.D	8.00	2.83
IBLK	IBLK	07/21/2025	11:50	PL096479.D	7.99	2.83
PEM	PEM	07/21/2025	12:30	PL096480.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/21/2025	12:44	PL096481.D	7.99	2.83
PB168928BL	PB168928BL	07/21/2025	12:57	PL096482.D	7.99	2.83
PB168928BS	PB168928BS	07/21/2025	13:11	PL096483.D	7.99	2.83
RT2286MS	Q2635-01MS	07/21/2025	14:05	PL096485.D	7.99	2.83
RT2286MSD	Q2635-01MSD	07/21/2025	14:19	PL096486.D	7.99	2.83
MH 2-1	Q2651-01	07/21/2025	14:32	PL096487.D	7.99	2.83
MH 6-5	Q2651-02	07/21/2025	14:46	PL096488.D	7.99	2.83
MH 7-6	Q2651-03	07/21/2025	15:00	PL096489.D	7.99	2.83
MH 8-7	Q2651-04	07/21/2025	15:13	PL096490.D	7.99	2.83
MH 9-8	Q2651-05	07/21/2025	15:27	PL096491.D	7.99	2.83
IBLK	IBLK	07/21/2025	15:40	PL096492.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/21/2025	16:08	PL096493.D	8.00	2.83

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH 2-1

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2651-01

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	6.99	6.94	7.04	0.18	18.9
	2	6.11	6.06	6.16	0.15	
4,4'-DDE	1	6.17	6.12	6.22	0.37	1.9
	2	5.30	5.25	5.35	0.37	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH 6-5

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2651-02

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.68	6.63	6.73	1.30	26.1
	2	5.86	5.81	5.91	1.00	
4,4'-DDT	1	6.99	6.94	7.04	11.5	5.4
	2	6.11	6.06	6.16	10.9	
4,4'-DDE	1	6.17	6.12	6.22	4.00	2.5
	2	5.31	5.26	5.36	3.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH 7-6

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2651-03

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	6.99	6.94	7.04	3.70	8.5
	2	6.11	6.06	6.16	3.40	
4,4'-DDE	1	6.17	6.12	6.22	5.10	3.8
	2	5.31	5.26	5.36	5.30	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH 8-7

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2651-04

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.68	6.63	6.73	5.20	10.1
	2	5.86	5.81	5.91	4.70	
4,4'-DDT	1	6.99	6.94	7.04	12.7	4
	2	6.11	6.06	6.16	12.2	
4,4'-DDE	1	6.17	6.12	6.22	12.7	2.3
	2	5.31	5.26	5.36	13.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH 9-8

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2651-05

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	6.99	6.94	7.04	0.51	1.4
	2	6.11	6.06	6.16	0.52	
4,4'-DDE	1	6.17	6.12	6.22	0.73	14.5
	2	5.31	5.26	5.36	0.85	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168928BS

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: PB168928BS

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.68	6.63	6.73	18.4	11.8
	2	5.86	5.81	5.91	20.7	
4,4'-DDE	1	6.17	6.12	6.22	17.3	7.8
	2	5.31	5.26	5.36	18.7	
4,4'-DDT	1	6.99	6.94	7.04	16.1	1.8
	2	6.11	6.06	6.16	16.4	
alpha-BHC	1	3.98	3.93	4.03	17.6	9.2
	2	3.33	3.28	3.38	19.3	
Aldrin	1	5.25	5.20	5.30	17.1	10.5
	2	4.30	4.25	4.35	19.0	
alpha-Chlordane	1	6.00	5.95	6.05	17.1	0.6
	2	5.12	5.07	5.17	17.0	
Endosulfan II	1	6.76	6.71	6.81	18.1	2.7
	2	6.00	5.95	6.05	18.6	
Endosulfan sulfate	1	7.12	7.07	7.17	17.7	7.1
	2	6.40	6.35	6.45	19.0	
beta-BHC	1	4.50	4.45	4.55	17.4	4.5
	2	3.96	3.91	4.01	18.2	
delta-BHC	1	4.75	4.70	4.80	18.0	5.4
	2	4.20	4.15	4.25	19.0	
Endosulfan I	1	6.05	6.00	6.10	17.2	6
	2	5.17	5.12	5.22	16.2	
Dieldrin	1	6.32	6.27	6.37	17.2	8.9
	2	5.44	5.39	5.49	18.8	
Endrin aldehyde	1	6.89	6.84	6.94	20.7	8.6
	2	6.18	6.13	6.23	19.0	
Methoxychlor	1	7.47	7.42	7.52	15.4	5.1
	2	6.68	6.63	6.73	16.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168928BS

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: PB168928BS

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.60	7.55	7.65	17.9	6.5
	2	6.91	6.86	6.96	19.1	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	17.2	10.5
	2	3.67	3.62	3.72	19.1	
Heptachlor	1	4.91	4.86	4.96	17.3	6.7
	2	4.02	3.97	4.07	18.5	
Heptachlor epoxide	1	5.66	5.61	5.71	18.7	0.5
	2	4.80	4.75	4.85	18.6	
gamma-Chlordane	1	5.92	5.87	5.97	17.2	8.4
	2	5.05	5.00	5.10	18.7	
Endrin	1	6.55	6.50	6.60	17.1	0
	2	5.71	5.66	5.76	17.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RT2286MS

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2635-01MS

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.76	6.71	6.81	19.4	13.8
	2	6.00	5.95	6.05	16.9	
4,4'-DDD	1	6.68	6.63	6.73	24.9	42.9
	2	5.86	5.81	5.91	16.1	
4,4'-DDT	1	6.99	6.94	7.04	19.3	0.5
	2	6.11	6.06	6.16	19.4	
Endrin aldehyde	1	6.89	6.84	6.94	23.0	18
	2	6.18	6.13	6.23	19.2	
Endosulfan sulfate	1	7.12	7.07	7.17	20.6	7.6
	2	6.40	6.35	6.45	19.1	
Methoxychlor	1	7.46	7.41	7.51	20.8	26.7
	2	6.68	6.63	6.73	15.9	
Endrin ketone	1	7.60	7.55	7.65	25.6	46.7
	2	6.91	6.86	6.96	15.9	
alpha-BHC	1	3.98	3.93	4.03	18.9	10
	2	3.33	3.28	3.38	17.1	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	18.5	9.6
	2	3.66	3.61	3.71	16.8	
Heptachlor	1	4.90	4.85	4.95	18.9	10
	2	4.01	3.96	4.06	17.1	
Aldrin	1	5.24	5.19	5.29	19.0	8.2
	2	4.30	4.25	4.35	17.5	
beta-BHC	1	4.50	4.45	4.55	16.9	9.3
	2	3.96	3.91	4.01	15.4	
delta-BHC	1	4.74	4.69	4.79	18.2	9.2
	2	4.19	4.14	4.24	16.6	
Heptachlor epoxide	1	5.66	5.61	5.71	21.0	24
	2	4.80	4.75	4.85	16.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RT2286MS

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2635-01MS

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.05	6.00	6.10	18.9	31.9
	2	5.17	5.12	5.22	13.7	
gamma-Chlordane	1	5.92	5.87	5.97	19.0	12.3
	2	5.05	5.00	5.10	16.8	
alpha-Chlordane	1	6.00	5.95	6.05	18.4	21.7
	2	5.12	5.07	5.17	14.8	
4,4'-DDE	1	6.17	6.12	6.22	17.2	10.4
	2	5.30	5.25	5.35	15.5	
Dieldrin	1	6.32	6.27	6.37	20.1	9.4
	2	5.44	5.39	5.49	18.3	
Endrin	1	6.54	6.49	6.59	21.0	21.6
	2	5.71	5.66	5.76	16.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RT2286MSD

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2635-01MSD

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.68	6.63	6.73	24.8	43.7
	2	5.86	5.81	5.91	15.9	
4,4'-DDT	1	6.99	6.94	7.04	19.9	4.6
	2	6.11	6.06	6.16	19.0	
alpha-BHC	1	3.98	3.93	4.03	18.9	9.4
	2	3.33	3.28	3.38	17.2	
Aldrin	1	5.24	5.19	5.29	18.8	7.2
	2	4.30	4.25	4.35	17.5	
beta-BHC	1	4.50	4.45	4.55	16.9	9.3
	2	3.96	3.91	4.01	15.4	
alpha-Chlordane	1	6.00	5.95	6.05	18.7	24
	2	5.12	5.07	5.17	14.7	
4,4'-DDE	1	6.17	6.12	6.22	17.1	11.1
	2	5.30	5.25	5.35	15.3	
Endosulfan II	1	6.76	6.71	6.81	19.3	14.4
	2	6.00	5.95	6.05	16.7	
Endrin aldehyde	1	6.89	6.84	6.94	22.6	17.8
	2	6.18	6.13	6.23	18.9	
Endosulfan sulfate	1	7.12	7.07	7.17	20.3	8.2
	2	6.40	6.35	6.45	18.7	
Methoxychlor	1	7.46	7.41	7.51	20.5	22.8
	2	6.68	6.63	6.73	16.3	
Endrin ketone	1	7.60	7.55	7.65	25.6	53.5
	2	6.91	6.86	6.96	14.8	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	18.5	9
	2	3.67	3.62	3.72	16.9	
Heptachlor	1	4.90	4.85	4.95	18.8	9.5
	2	4.01	3.96	4.06	17.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RT2286MSD

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab Sample ID: Q2635-01MSD

Date(s) Analyzed: 07/21/2025 07/21/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.74	4.69	4.79	18.2	9.2
	2	4.19	4.14	4.24	16.6	
Heptachlor epoxide	1	5.66	5.61	5.71	20.8	23.1
	2	4.80	4.75	4.85	16.5	
Endosulfan I	1	6.05	6.00	6.10	18.7	31.6
	2	5.17	5.12	5.22	13.6	
gamma-Chlordane	1	5.92	5.87	5.97	18.6	10.2
	2	5.05	5.00	5.10	16.8	
Dieldrin	1	6.32	6.27	6.37	19.7	9.6
	2	5.44	5.39	5.49	17.9	
Endrin	1	6.55	6.50	6.60	20.7	20.8
	2	5.71	5.66	5.76	16.8	



QC SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	Leon Avenue		Date Received:		
Client Sample ID:	PB168928BL		SDG No.:	Q2651	
Lab Sample ID:	PB168928BL		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
PL096482.D	1	07/21/25 08:30	07/21/25 12:57	PB168928

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	21.0		20 - 144	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		19 - 148	102%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	Leon Avenue		Date Received:		
Client Sample ID:	PB168928BL		SDG No.:	Q2651	
Lab Sample ID:	PB168928BL		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
PL096482.D	1	07/21/25 08:30	07/21/25 12:57	PB168928

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_L\Data\PL072125\
Data File : PL096482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:57
Operator : AR\AJ
Sample : PB168928BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168928BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.827	67490709	117.7E6	18.496	20.386
28)	SA Decachlor...	9.018	7.993	54331062	104.6E6	19.314	20.975

Target Compounds

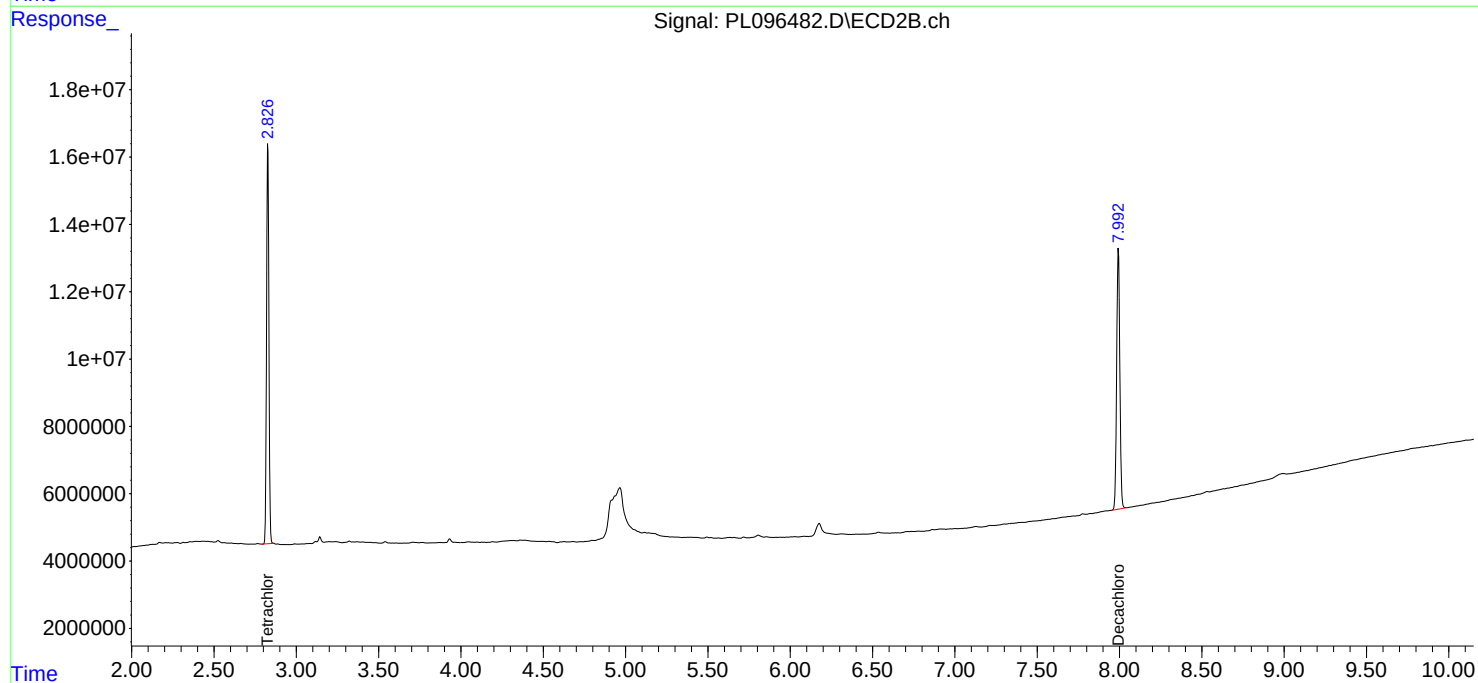
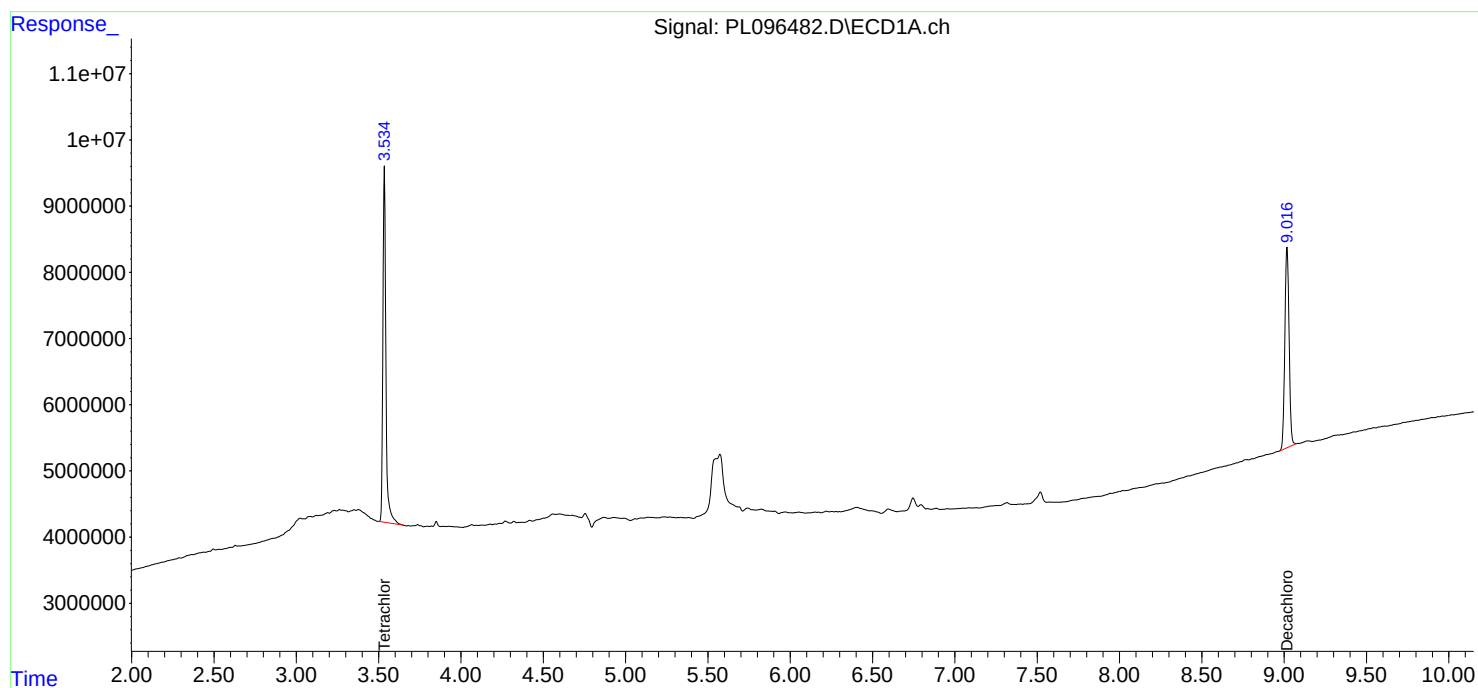
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

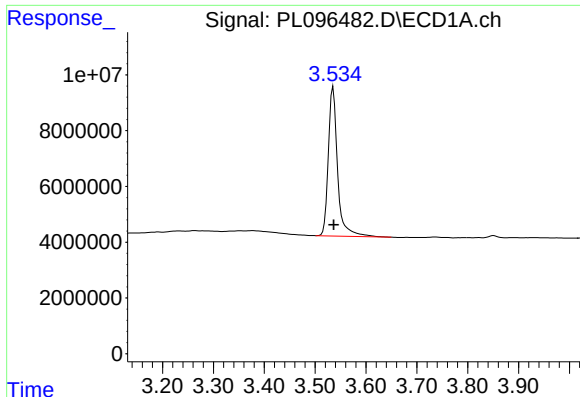
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:57
Operator : AR\AJ
Sample : PB168928BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168928BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

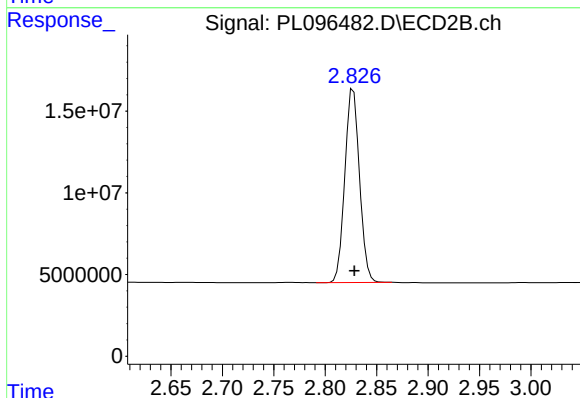




#1 Tetrachloro-m-xylene

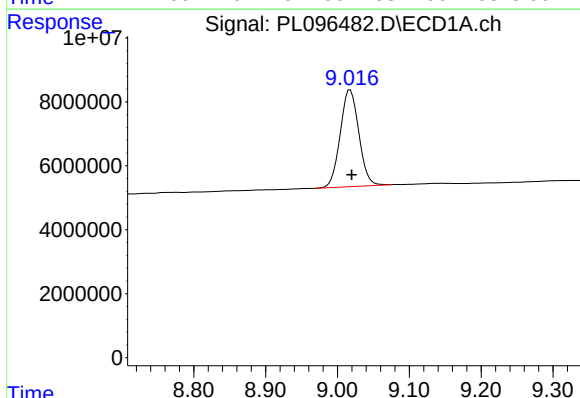
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 67490709
Conc: 18.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BL



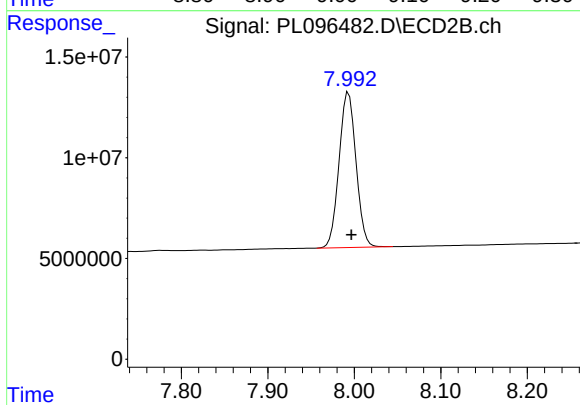
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 117650340
Conc: 20.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 54331062
Conc: 19.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.003 min
Response: 104593469
Conc: 20.98 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	07/07/25	
Project:	Leon Avenue			Date Received:	07/07/25	
Client Sample ID:	PIBLK-PL096237.D			SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PL096237.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
PL096237.D	1		07/07/25	PL070725

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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/07/25	
Project:	Leon Avenue		Date Received:	07/07/25	
Client Sample ID:	PIBLK-PL096237.D		SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PL096237.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
PL096237.D	1		07/07/25	PL070725

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_L\Data\PL070725\
Data File : PL096237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.829	65245651	109.0E6	17.881	18.891
28)	SA Decachlor...	9.020	7.997	54884459	100.0E6	19.511	20.056

Target Compounds

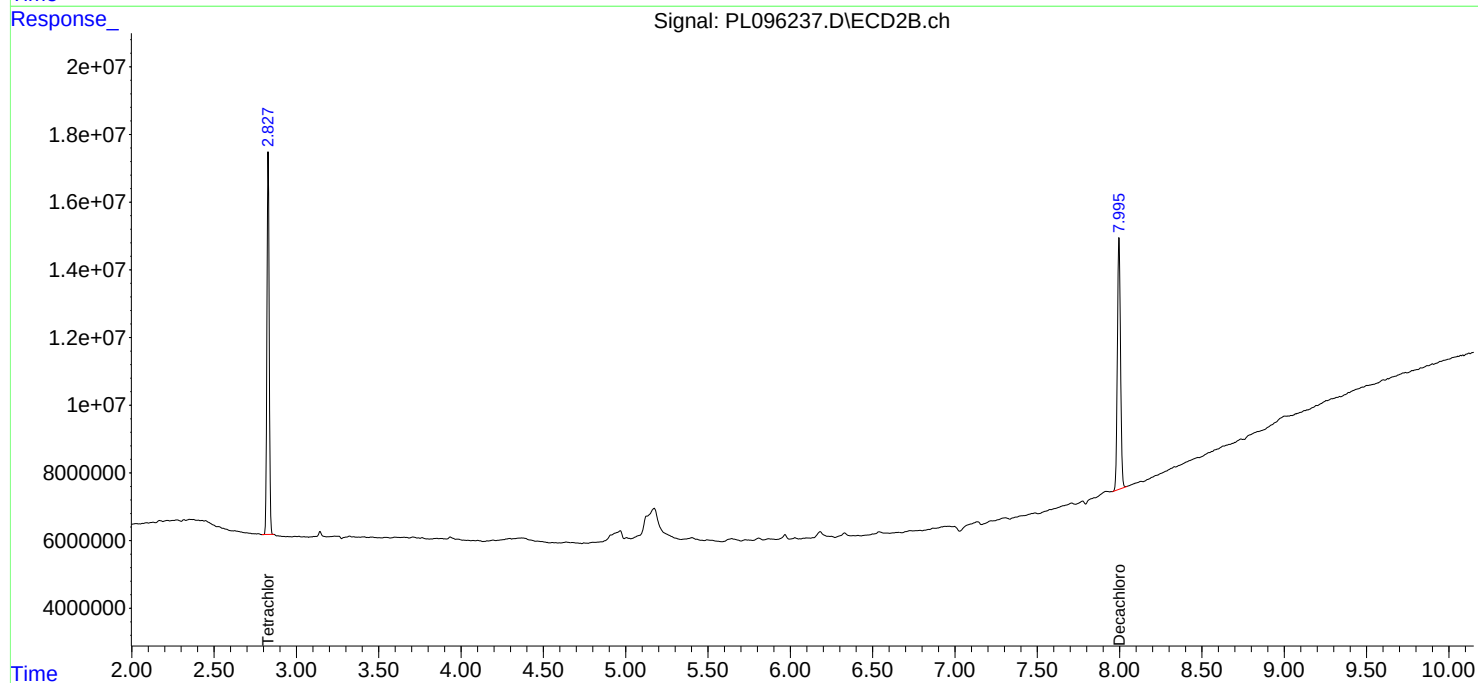
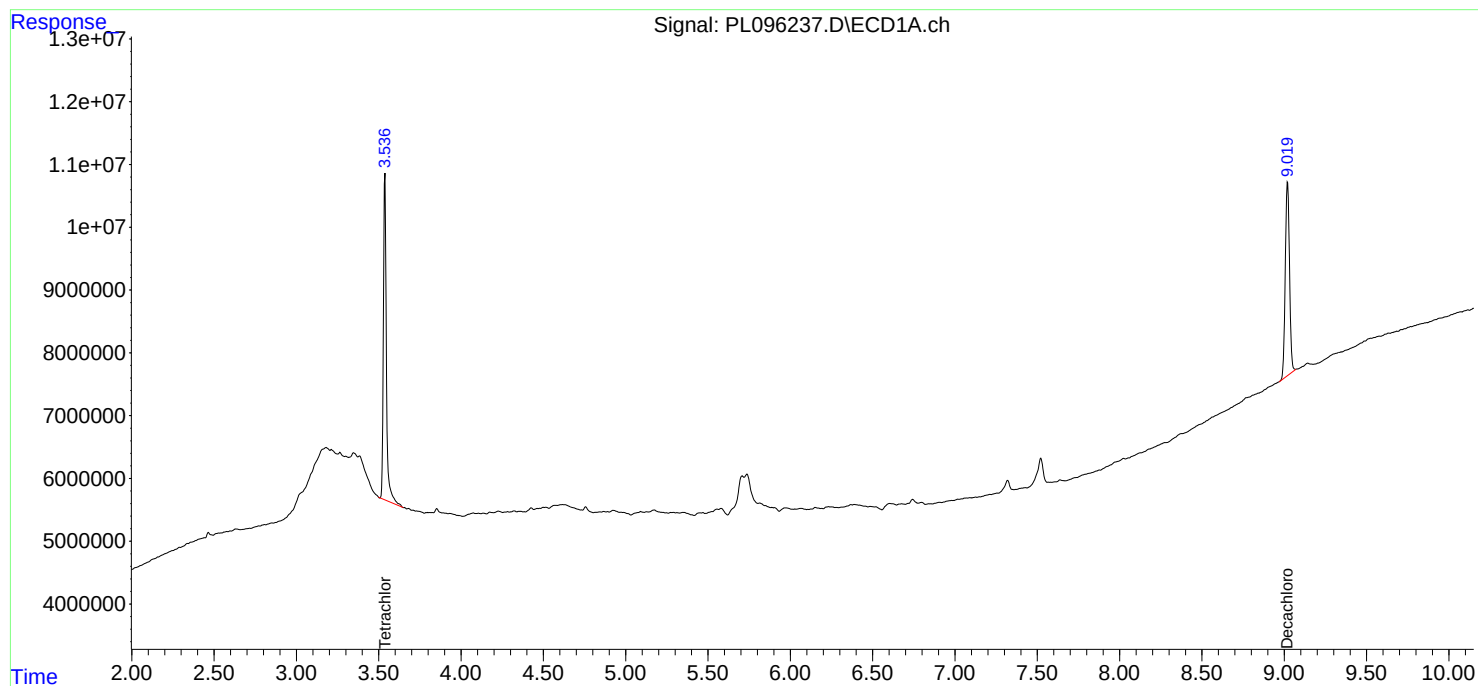
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

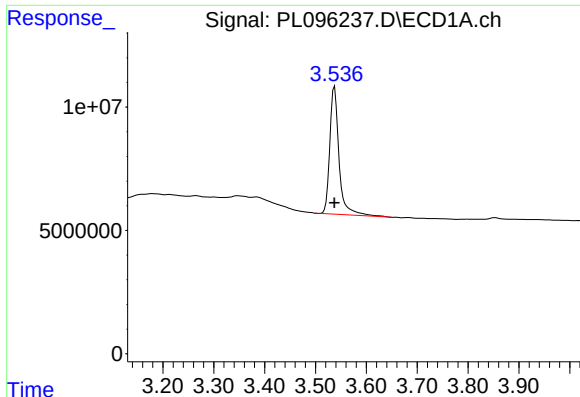
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

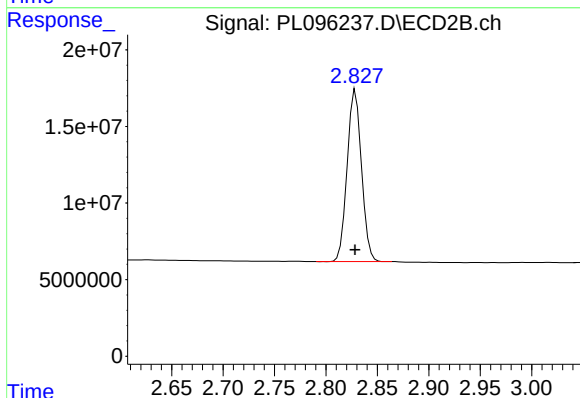




#1 Tetrachloro-m-xylene

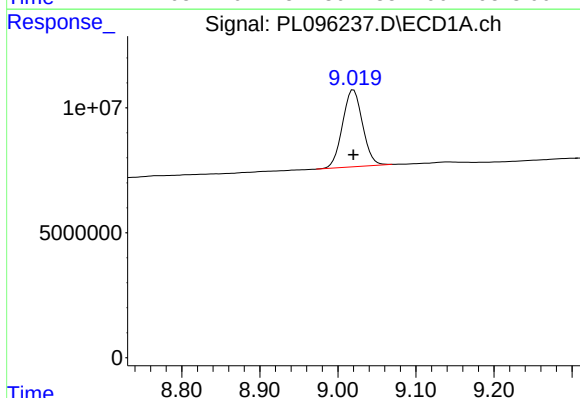
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 65245651
Conc: 17.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



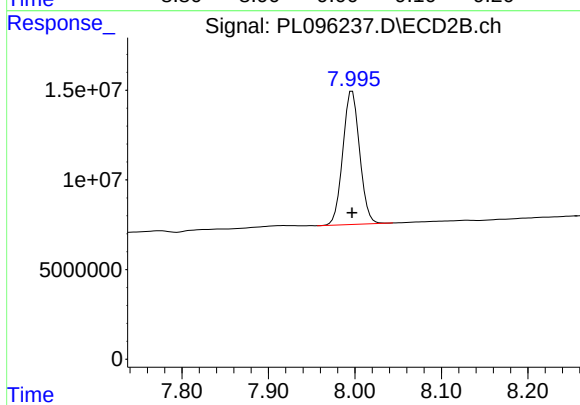
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 109023605
Conc: 18.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 54884459
Conc: 19.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 100011029
Conc: 20.06 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	07/21/25	
Project:	Leon Avenue			Date Received:	07/21/25	
Client Sample ID:	PIBLK-PL096479.D			SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PL096479.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
PL096479.D	1		07/21/25	pl072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.1		57 - 171	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		61 - 148	112%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/21/25	
Project:	Leon Avenue		Date Received:	07/21/25	
Client Sample ID:	PIBLK-PL096479.D		SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PL096479.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
PL096479.D	1		07/21/25	pl072125

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_L\Data\PL072125\
Data File : PL096479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 11:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.826	74869454	129.3E6	20.518	22.413
28)	SA Decachlor...	9.019	7.993	58975890	110.4E6	20.965	22.150

Target Compounds

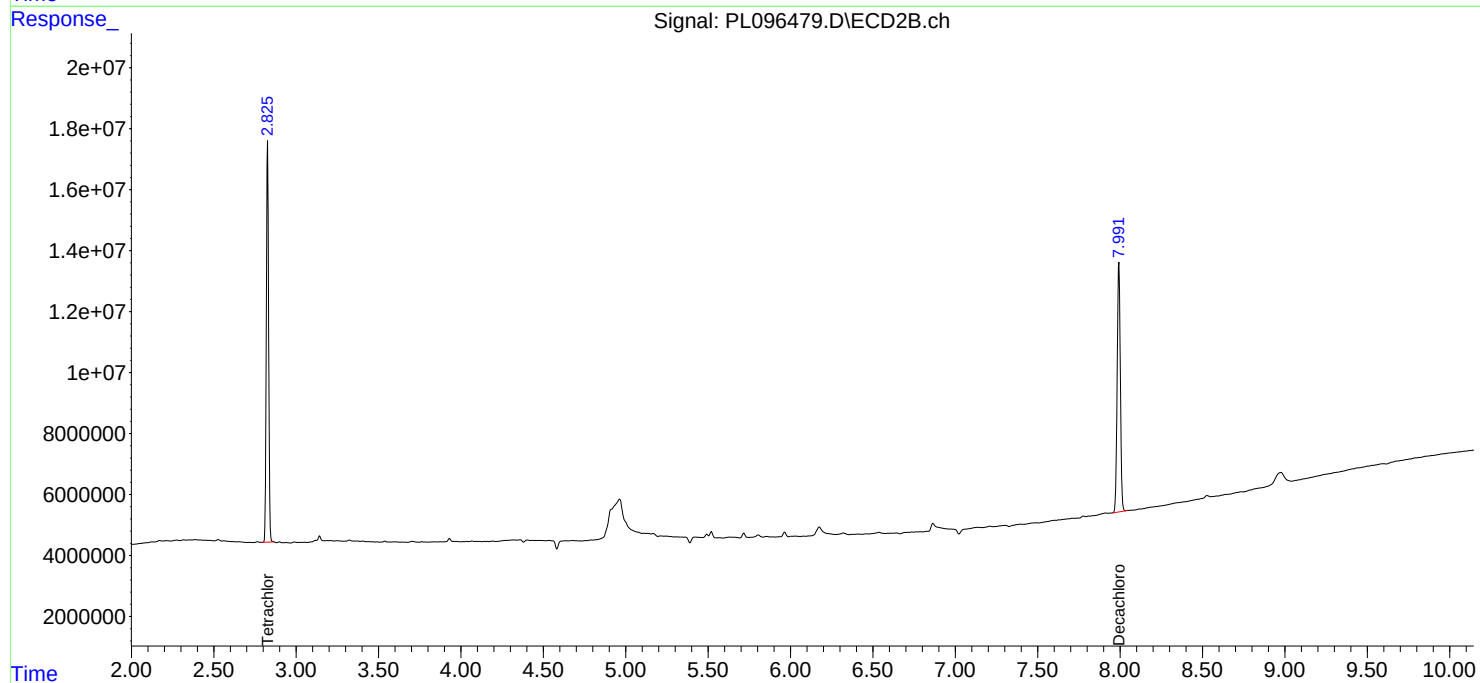
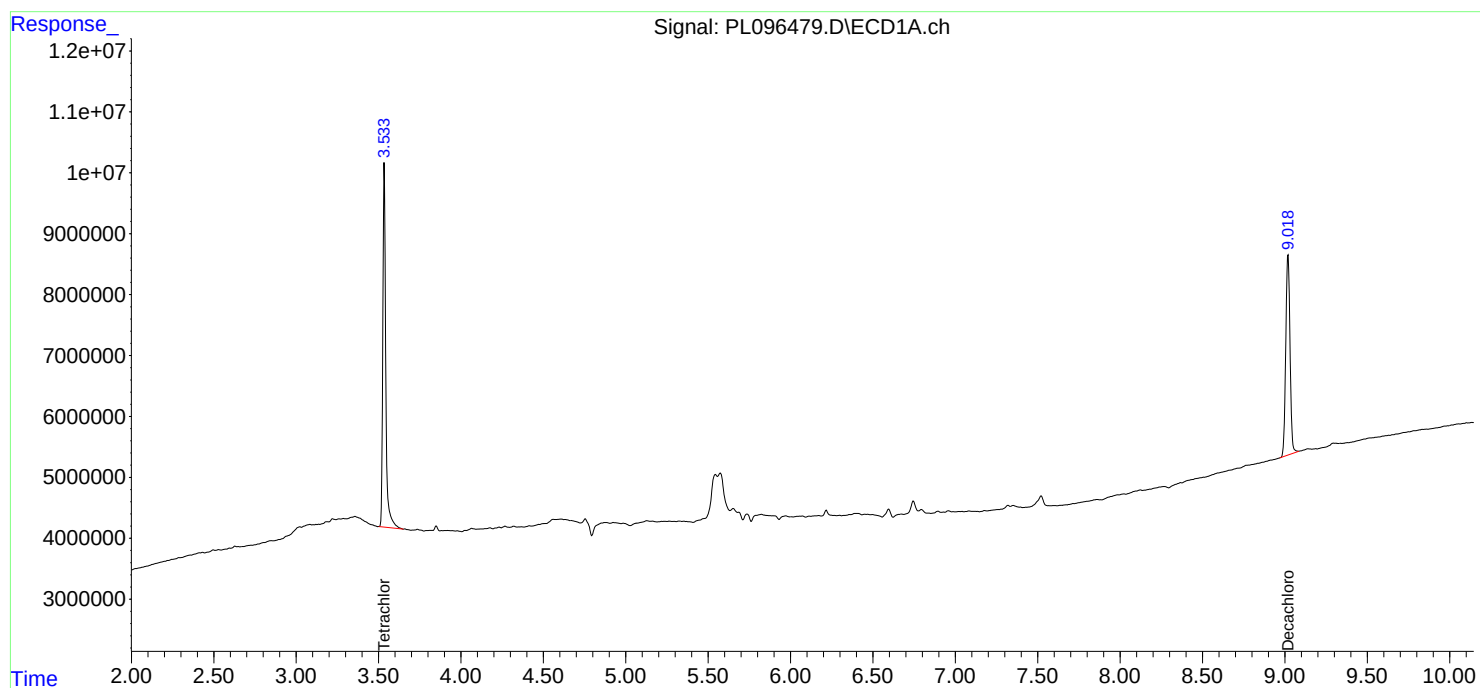
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

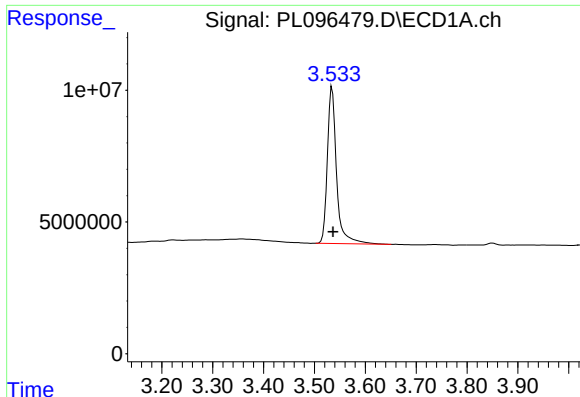
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 11:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

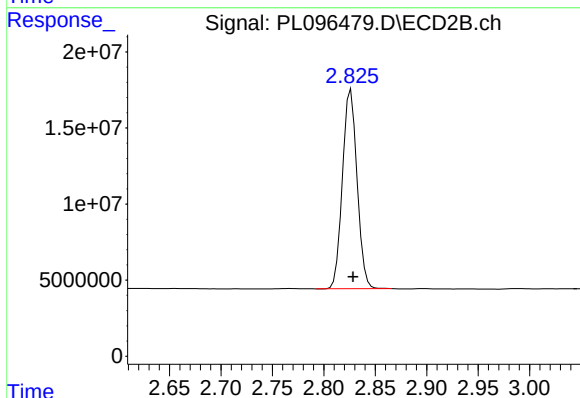




#1 Tetrachloro-m-xylene

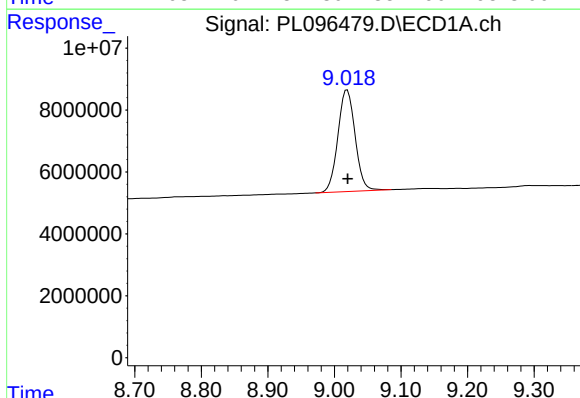
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 74869454
Conc: 20.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



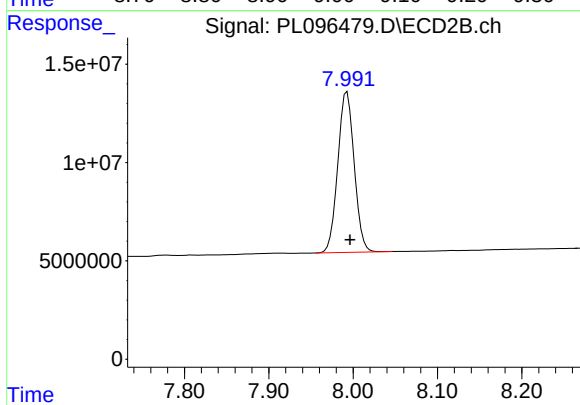
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 129348318
Conc: 22.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 58975890
Conc: 20.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 110448912
Conc: 22.15 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/21/25
Project:	Leon Avenue	Date Received:	07/21/25
Client Sample ID:	PIBLK-PL096492.D	SDG No.:	Q2651
Lab Sample ID:	I.BLK-PL096492.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
PL096492.D	1		07/21/25	pl072125

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	20.3		57 - 171	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		61 - 148	112%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/21/25	
Project:	Leon Avenue		Date Received:	07/21/25	
Client Sample ID:	PIBLK-PL096492.D		SDG No.:	Q2651	
Lab Sample ID:	I.BLK-PL096492.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
PL096492.D	1		07/21/25	pl072125

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_L\Data\PL072125\
 Data File : PL096492.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 15:40
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:46:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.829	74975727	128.8E6	20.547	22.324
28)	SA Decachlor...	9.018	7.994	57160587	80808910	20.320	16.206

Target Compounds

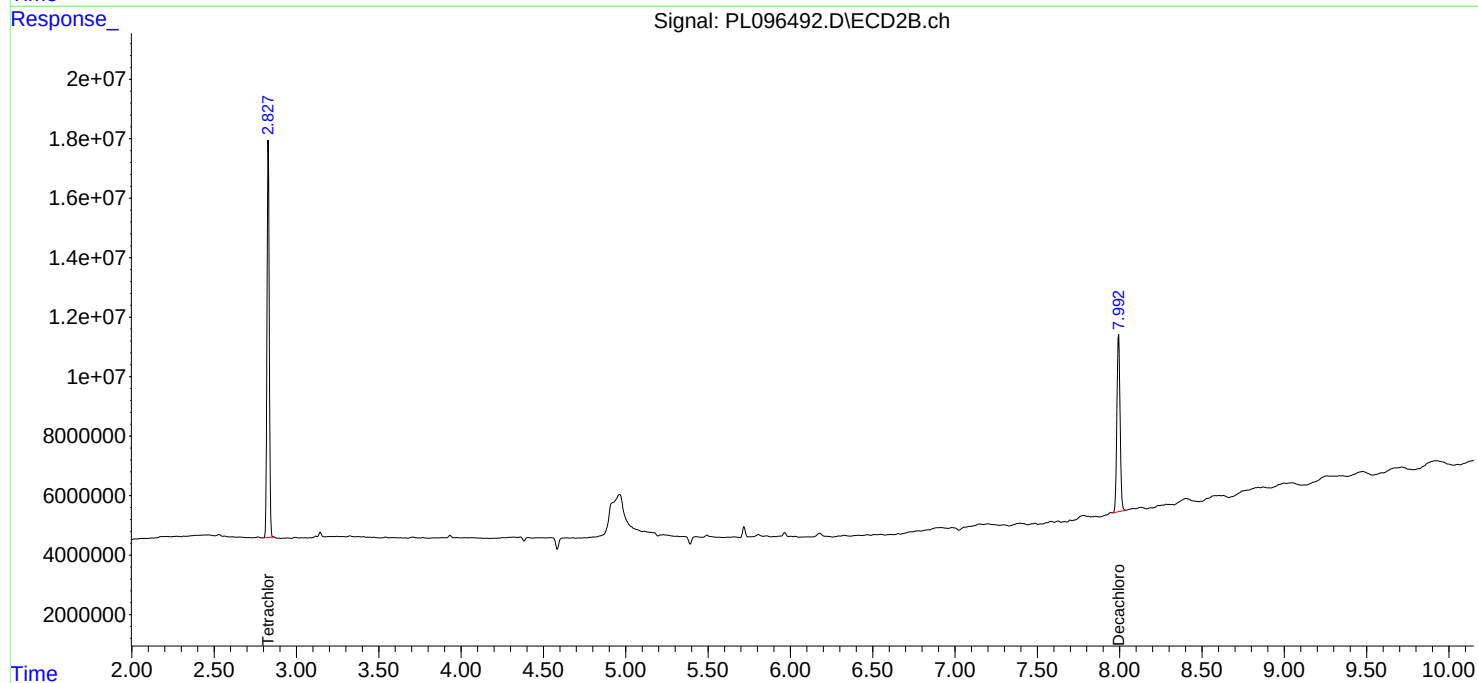
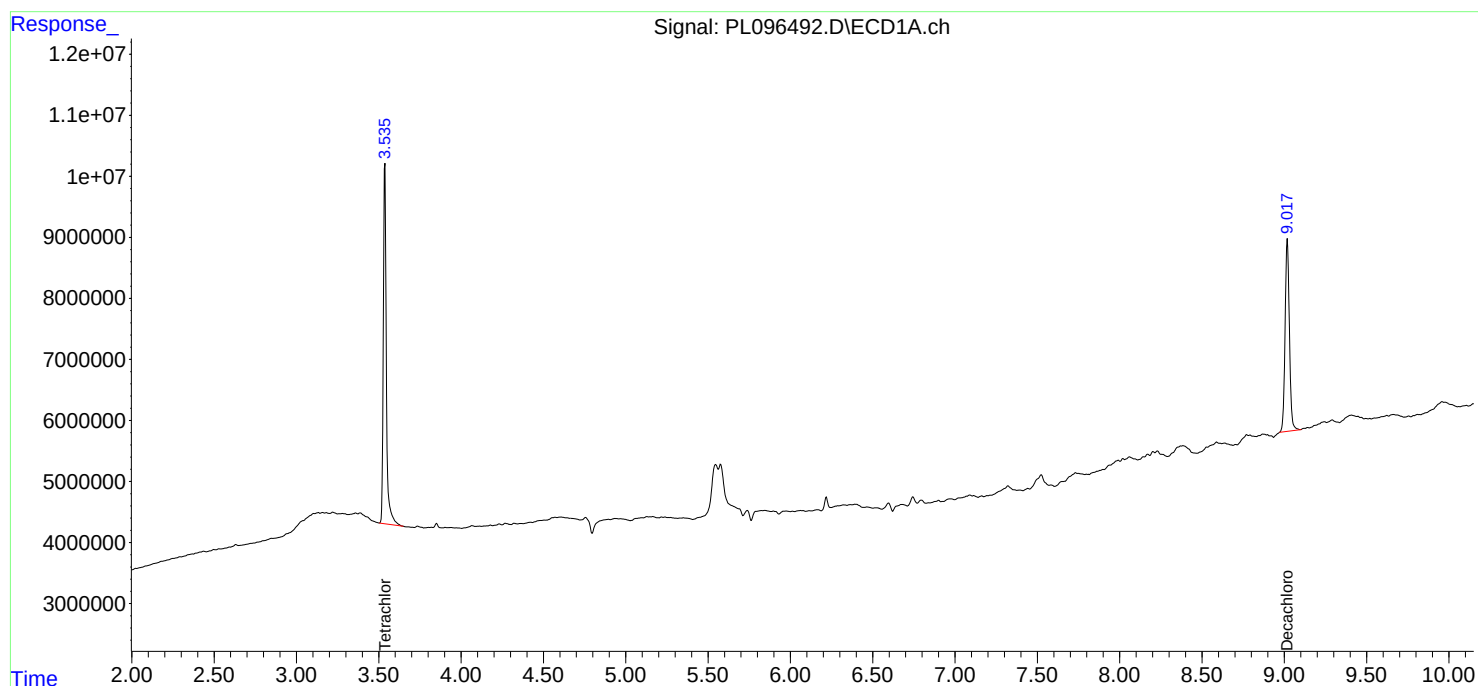
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

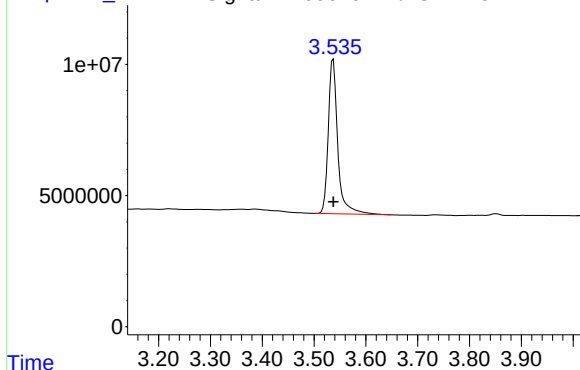
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:46:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL096492.D\ECD1A.ch

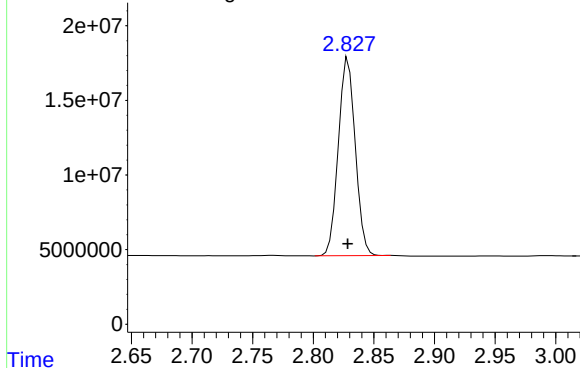


#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 74975727
Conc: 20.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

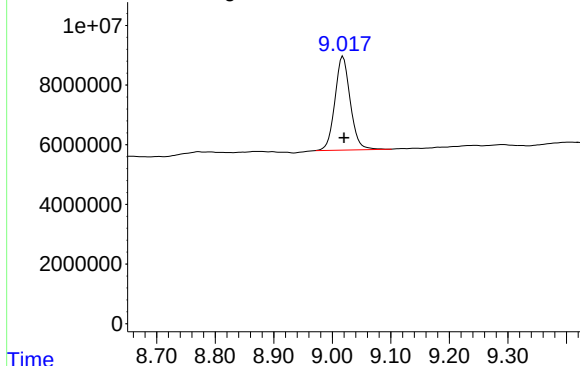
Response_ Signal: PL096492.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 128835172
Conc: 22.32 ng/ml

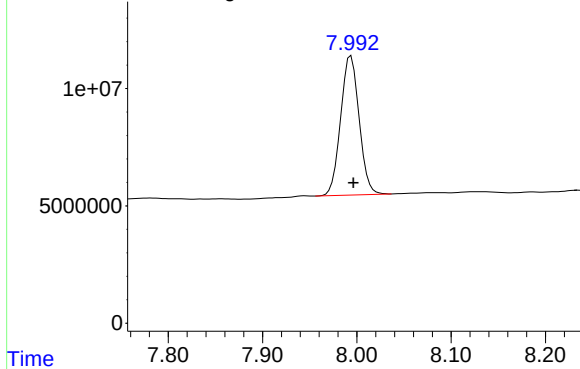
Response_ Signal: PL096492.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 57160587
Conc: 20.32 ng/ml

Response_ Signal: PL096492.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 80808910
Conc: 16.21 ng/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	PB168928BS	SDG No.:	Q2651
Lab Sample ID:	PB168928BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 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
PL096483.D	1	07/21/25 08:30	07/21/25 13:11	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.3		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.2		0.18	1.70	ug/kg
319-86-8	delta-BHC	19.0		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	19.1		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.5		0.12	1.70	ug/kg
309-00-2	Aldrin	19.0		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.7		0.19	1.70	ug/kg
959-98-8	Endosulfan I	17.2		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.8		0.14	1.70	ug/kg
72-55-9	4,4-DDE	18.7		0.14	1.70	ug/kg
72-20-8	Endrin	17.1		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	18.6		0.29	1.70	ug/kg
72-54-8	4,4-DDD	20.7		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	19.0		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.4		0.14	1.70	ug/kg
72-43-5	Methoxychlor	16.2		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	19.1		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	20.7		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.1		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.7		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		20 - 144	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	Leon Avenue		Date Received:		
Client Sample ID:	PB168928BS		SDG No.:	Q2651	
Lab Sample ID:	PB168928BS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	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
PL096483.D	1	07/21/25 08:30	07/21/25 13:11	PB168928

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_L\Data\PL072125\
 Data File : PL096483.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 13:11
 Operator : AR\AJ
 Sample : PB168928BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168928BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:44:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.829	65840225	115.4E6	18.043	19.989
2)	SA Decachlor...	9.020	7.994	53454518	101.8E6	19.002	20.421
Target Compounds							
2)	A alpha-BHC	3.984	3.334	271.3E6	488.2E6	52.755	57.879
3)	MA gamma-BHC...	4.312	3.666	257.8E6	450.5E6	51.770	57.195
4)	MA Heptachlor	4.905	4.015	238.6E6	422.6E6	52.083	55.553
5)	MB Aldrin	5.245	4.298	247.7E6	416.9E6	51.245	57.148
6)	B beta-BHC	4.499	3.962	108.6E6	186.9E6	52.263	54.574
7)	B delta-BHC	4.745	4.196	242.6E6	439.7E6	54.134	57.096
8)	B Heptachlo...	5.664	4.800	233.3E6	373.4E6	56.227	55.855
9)	A Endosulfan I	6.046	5.171	208.0E6	348.3E6	51.522	48.544
10)	B gamma-Chl...	5.918	5.052	228.0E6	393.9E6	51.522	56.107
11)	B alpha-Chl...	5.998	5.116	224.9E6	384.0E6	51.355	51.066
12)	B 4,4'-DDE	6.168	5.305	192.1E6	363.3E6	51.821	56.209
13)	MA Dieldrin	6.318	5.436	218.5E6	384.1E6	51.683	56.319
14)	MA Endrin	6.545	5.710	159.9E6	313.3E6	51.397	51.391
15)	B Endosulfa...	6.757	6.002	189.0E6	327.9E6	54.464	55.922
16)	A 4,4'-DDD	6.677	5.857	160.5E6	318.5E6	55.135	62.100
17)	MA 4,4'-DDT	6.992	6.110	146.3E6	282.5E6	48.208	49.253
18)	B Endrin al...	6.886	6.180	138.9E6	253.5E6	62.152	56.900
19)	B Endosulfa...	7.120	6.403	162.7E6	321.2E6	53.176	57.106
20)	A Methoxychlor	7.465	6.682	73066617	147.7E6	46.380	48.631
21)	B Endrin ke...	7.599	6.908	177.5E6	359.3E6	53.776	57.468
22)	Mirex	8.079	7.099	130.7E6	247.8E6	46.994	49.878

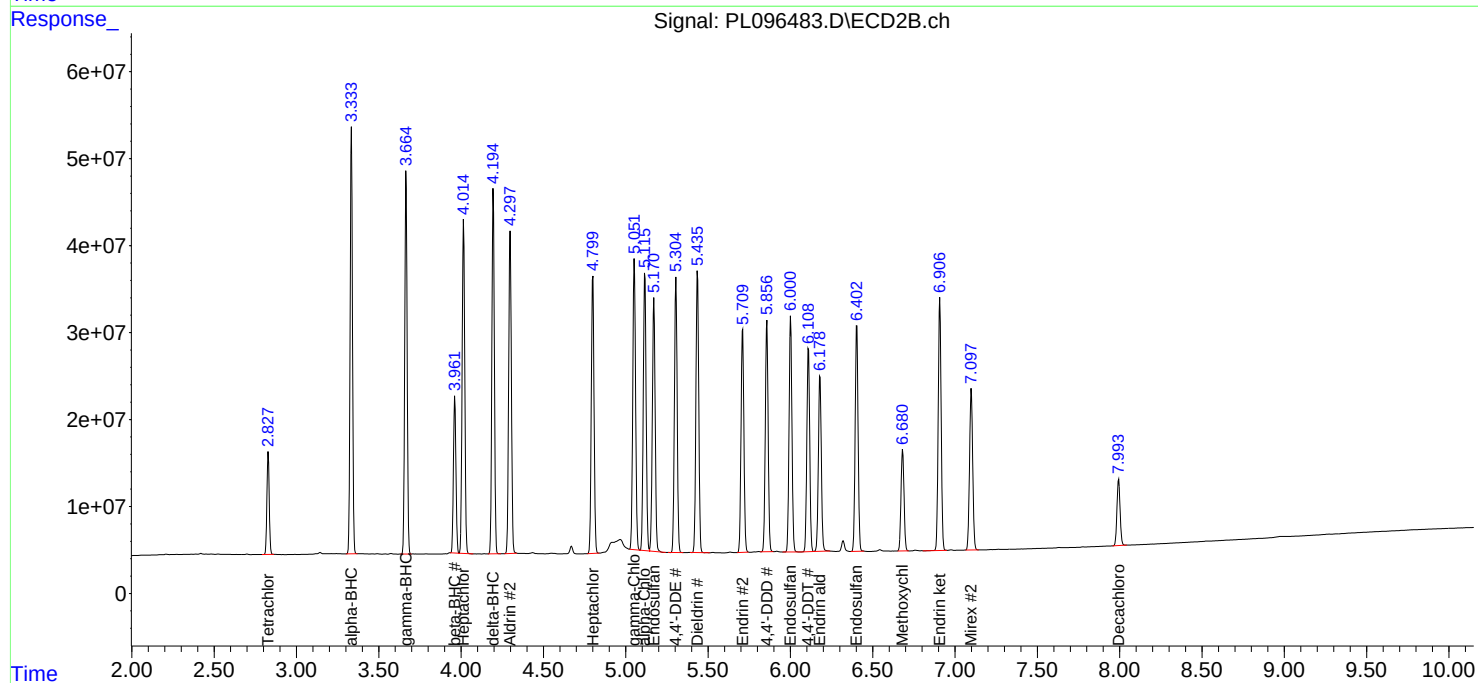
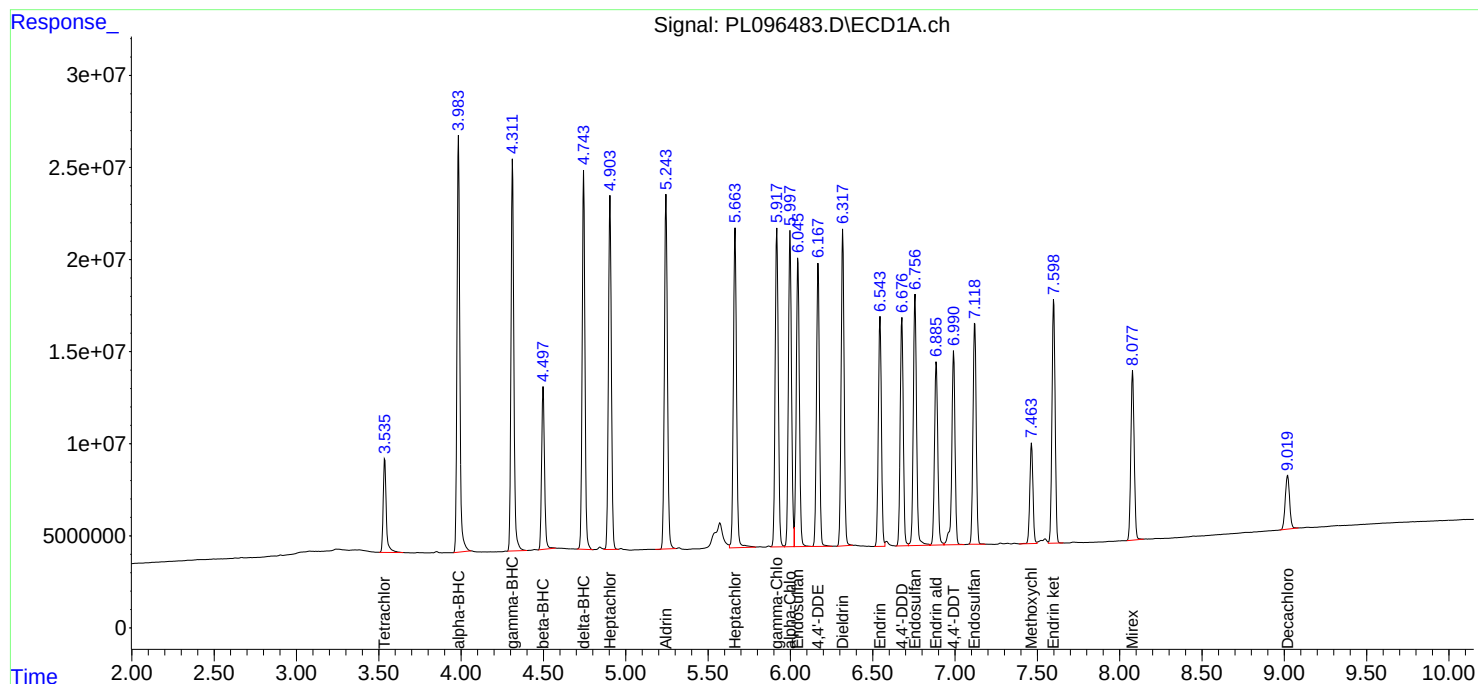
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:11
Operator : AR\AJ
Sample : PB168928BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168928BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/17/25
Client Sample ID:	RT2286MS	SDG No.:	Q2651
Lab Sample ID:	Q2635-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.8 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
PL096485.D	1	07/21/25 08:30	07/21/25 14:05	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.9		0.15	2.00	ug/kg
319-85-7	beta-BHC	16.9		0.21	2.00	ug/kg
319-86-8	delta-BHC	18.2		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	18.5		0.16	2.00	ug/kg
76-44-8	Heptachlor	18.9		0.14	2.00	ug/kg
309-00-2	Aldrin	19.0		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	21.0		0.22	2.00	ug/kg
959-98-8	Endosulfan I	18.9		0.16	2.00	ug/kg
60-57-1	Dieldrin	20.1		0.16	2.00	ug/kg
72-55-9	4,4-DDE	17.2		0.16	2.00	ug/kg
72-20-8	Endrin	21.0		0.16	2.00	ug/kg
33213-65-9	Endosulfan II	19.4		0.34	2.00	ug/kg
72-54-8	4,4-DDD	24.9	P	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	20.6		0.15	2.00	ug/kg
50-29-3	4,4-DDT	19.4		0.16	2.00	ug/kg
72-43-5	Methoxychlor	20.8		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	25.6	P	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	23.0		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	18.4		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.0		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	38.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.1		20 - 144	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		19 - 148	90%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/17/25	
Client Sample ID:	RT2286MS		SDG No.:	Q2651	
Lab Sample ID:	Q2635-01MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	84.8	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
PL096485.D	1	07/21/25 08:30	07/21/25 14:05	PB168928

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_L\Data\PL072125\
 Data File : PL096485.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 14:05
 Operator : AR\AJ
 Sample : Q2635-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RT2286MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/22/2025
 Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:44:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.827	65305594	98410848	17.897m	17.052
28)	SA Decachlor...	9.019	7.992	48153844	73981879	17.118	14.836
Target Compounds							
2)	A alpha-BHC	3.983	3.333	247.5E6	367.8E6	48.118	43.612
3)	MA gamma-BHC...	4.310	3.664	234.1E6	337.7E6	47.010m	42.878
4)	MA Heptachlor	4.904	4.014	220.3E6	330.9E6	48.079	43.501
5)	MB Aldrin	5.242	4.295	234.1E6	325.4E6	48.422m	44.599m
6)	B beta-BHC	4.498	3.961	89450562	134.4E6	43.030	39.253
7)	B delta-BHC	4.744	4.194	207.9E6	325.3E6	46.384	42.241
8)	B Heptachlo...	5.664	4.799	222.3E6	280.2E6	53.568	41.919
9)	A Endosulfan I	6.045	5.170	194.5E6	249.9E6	48.178	34.835 #
10)	B gamma-Chl...	5.916	5.051	214.3E6	301.0E6	48.425m	42.881
11)	B alpha-Chl...	5.997	5.115	205.6E6	283.1E6	46.945m	37.649
12)	B 4,4'-DDE	6.169	5.304	162.3E6	254.7E6	43.787	39.411
13)	MA Dieldrin	6.318	5.435	216.2E6	317.1E6	51.130	46.507
14)	MA Endrin	6.544	5.709	166.0E6	262.6E6	53.373	43.070
15)	B Endosulfa...	6.757	6.001	171.6E6	252.3E6	49.456	43.025
16)	A 4,4'-DDD	6.677	5.856	184.4E6	210.4E6	63.322	41.015 #
17)	MA 4,4'-DDT	6.990	6.108	149.5E6	283.2E6	49.250m	49.380
18)	B Endrin al...	6.886	6.179	130.7E6	217.9E6	58.466	48.914
19)	B Endosulfa...	7.119	6.403	160.6E6	272.9E6	52.500	48.523
20)	A Methoxychlor	7.464	6.679	83440702	123.0E6	52.965	40.483m
21)	B Endrin ke...	7.596	6.906	215.0E6	252.5E6	65.121m	40.382m#
22)	Mirex	8.078	7.098	131.0E6	195.9E6	47.100	39.424

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:05
Operator : AR\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

RT2286MS

Manual Integrations

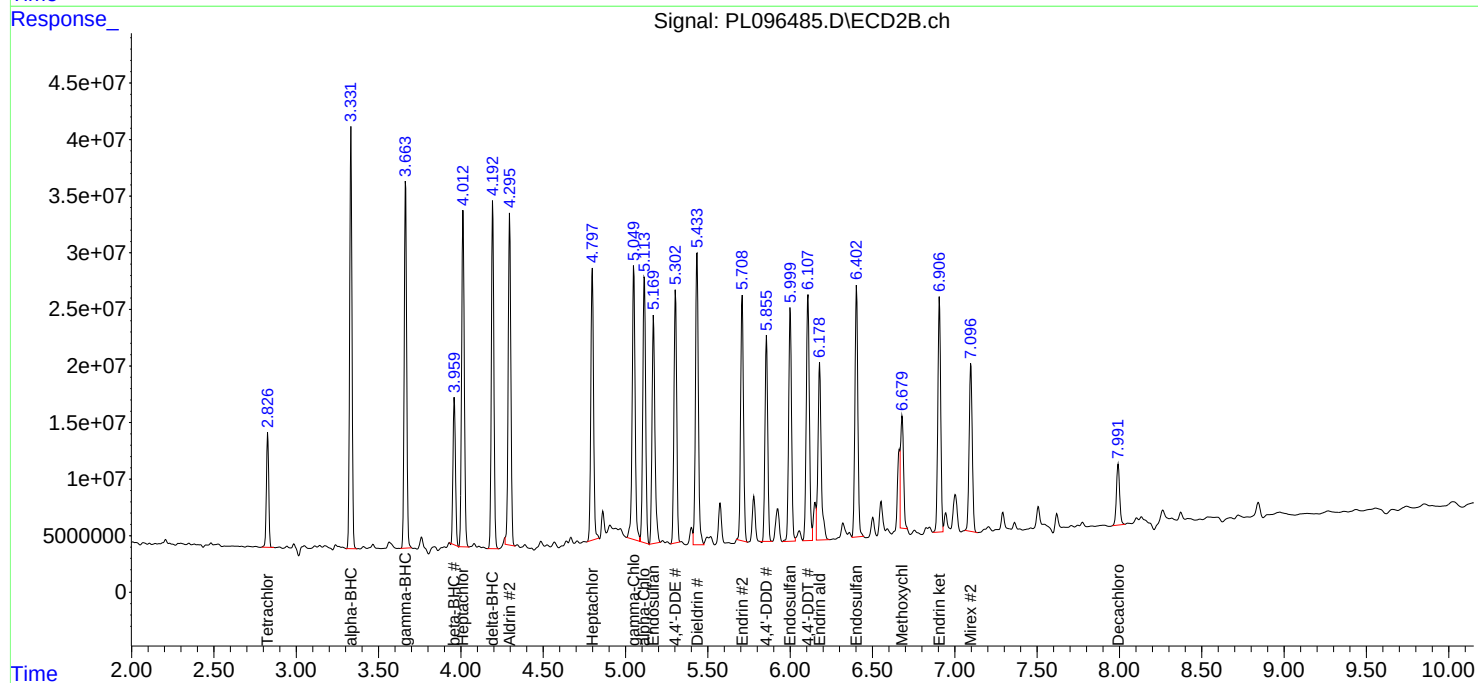
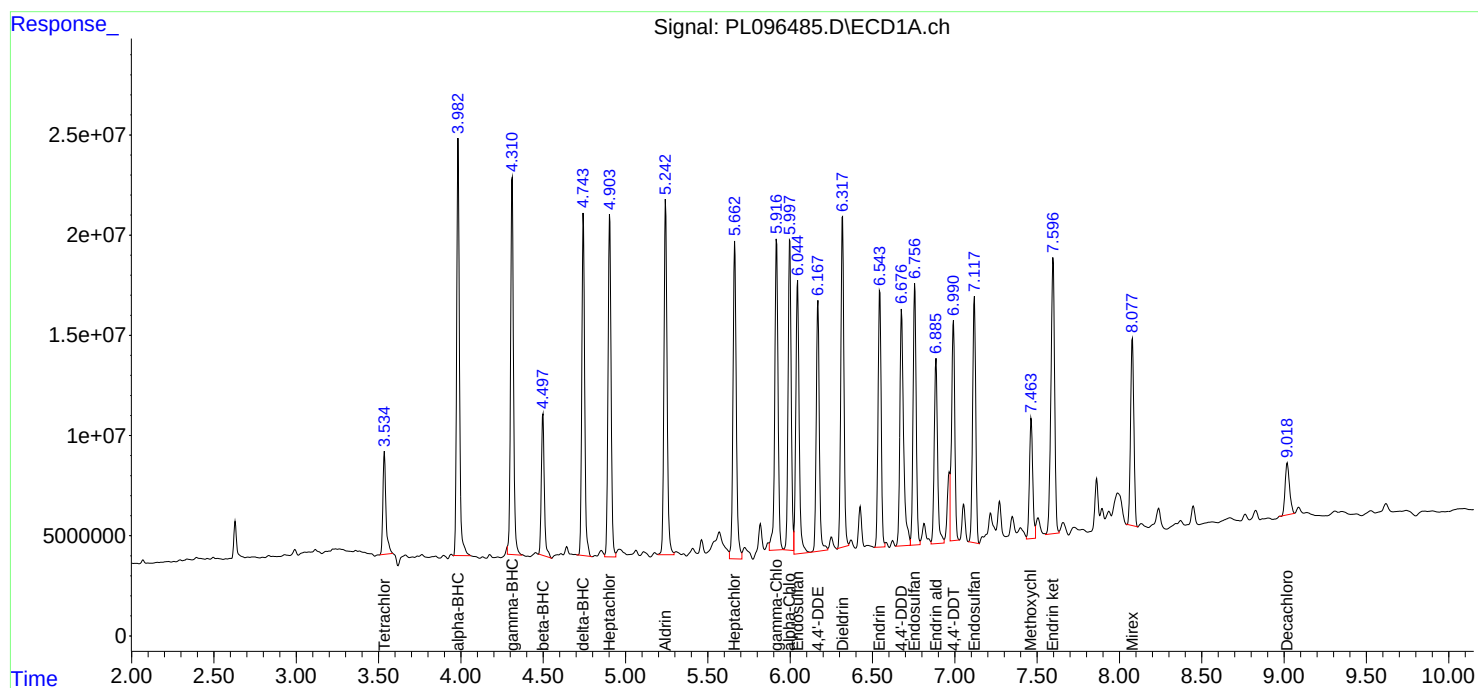
APPROVED

Reviewed By :Abdul Mirza 07/22/2025

Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/17/25
Client Sample ID:	RT2286MSD	SDG No.:	Q2651
Lab Sample ID:	Q2635-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.8 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096486.D	1	07/21/25 08:30	07/21/25 14:19	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.9		0.15	2.00	ug/kg
319-85-7	beta-BHC	16.9		0.21	2.00	ug/kg
319-86-8	delta-BHC	18.2		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	18.5		0.16	2.00	ug/kg
76-44-8	Heptachlor	18.8		0.14	2.00	ug/kg
309-00-2	Aldrin	18.8		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	20.8		0.22	2.00	ug/kg
959-98-8	Endosulfan I	18.7		0.16	2.00	ug/kg
60-57-1	Dieldrin	19.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	17.1		0.16	2.00	ug/kg
72-20-8	Endrin	20.7		0.16	2.00	ug/kg
33213-65-9	Endosulfan II	19.3		0.34	2.00	ug/kg
72-54-8	4,4-DDD	24.8	P	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	20.3		0.15	2.00	ug/kg
50-29-3	4,4-DDT	19.9		0.16	2.00	ug/kg
72-43-5	Methoxychlor	20.5		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	25.6	P	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	22.6		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	18.7		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	18.6		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	38.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		20 - 144	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/17/25	
Client Sample ID:	RT2286MSD		SDG No.:	Q2651	
Lab Sample ID:	Q2635-01MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	84.8	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096486.D	1	07/21/25 08:30	07/21/25 14:19	PB168928

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_L\Data\PL072125\
 Data File : PL096486.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 14:19
 Operator : AR\AJ
 Sample : Q2635-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RT2286MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/22/2025
 Supervised By : mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:45:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.828	66323622	99006316	18.176m	17.155
28)	SA Decachlor...	9.020	7.994	46546754	70632540	16.547	14.165
Target Compounds							
2)	A alpha-BHC	3.983	3.333	248.3E6	369.9E6	48.269	43.858
3)	MA gamma-BHC...	4.310	3.665	234.8E6	338.8E6	47.151m	43.013
4)	MA Heptachlor	4.904	4.014	219.1E6	331.0E6	47.821	43.507
5)	MB Aldrin	5.242	4.295	231.6E6	326.1E6	47.911m	44.691m
6)	B beta-BHC	4.498	3.961	89453895	134.6E6	43.032	39.312
7)	B delta-BHC	4.744	4.194	207.4E6	325.2E6	46.285	42.219
8)	B Heptachlo...	5.664	4.799	220.2E6	280.3E6	53.068	41.924
9)	A Endosulfan I	6.046	5.171	192.0E6	249.1E6	47.566	34.726 #
10)	B gamma-Chl...	5.916	5.051	210.2E6	300.5E6	47.513m	42.809
11)	B alpha-Chl...	5.998	5.115	208.6E6	281.9E6	47.637	37.485
12)	B 4,4'-DDE	6.168	5.304	161.2E6	252.7E6	43.477	39.103
13)	MA Dieldrin	6.318	5.435	212.6E6	311.9E6	50.278	45.738
14)	MA Endrin	6.545	5.708	164.0E6	261.5E6	52.722	42.893m
15)	B Endosulfa...	6.757	6.001	170.4E6	249.3E6	49.117	42.523
16)	A 4,4'-DDD	6.677	5.857	184.0E6	207.3E6	63.201	40.411 #
17)	MA 4,4'-DDT	6.991	6.109	153.6E6	278.2E6	50.617	48.506
18)	B Endrin al...	6.886	6.179	128.7E6	215.1E6	57.552	48.277
19)	B Endosulfa...	7.119	6.403	158.0E6	267.9E6	51.664	47.623
20)	A Methoxychlor	7.464	6.680	82126176	126.2E6	52.130	41.559m
21)	B Endrin ke...	7.597	6.907	215.1E6	235.9E6	65.153	37.735 #
22)	Mirex	8.079	7.098	129.8E6	190.2E6	46.652	38.279

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:19
Operator : AR\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

RT2286MSD

Manual Integrations

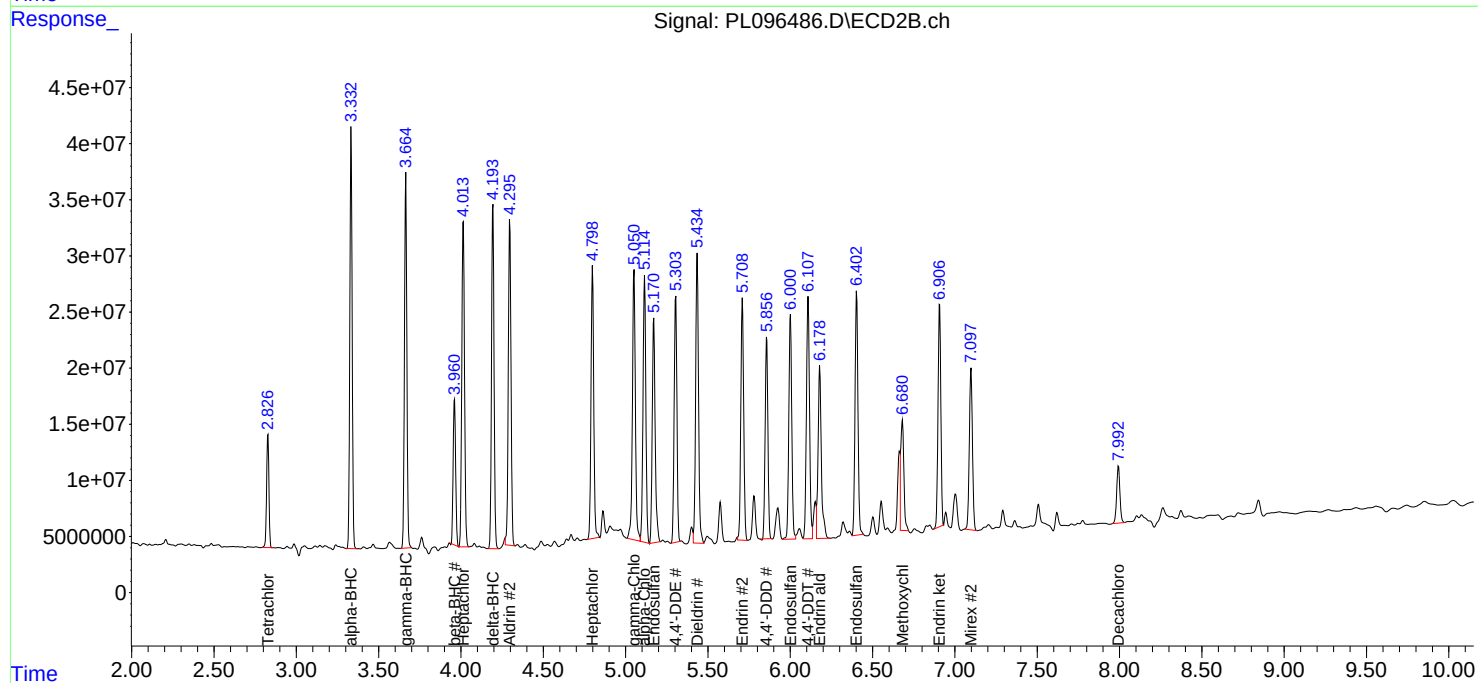
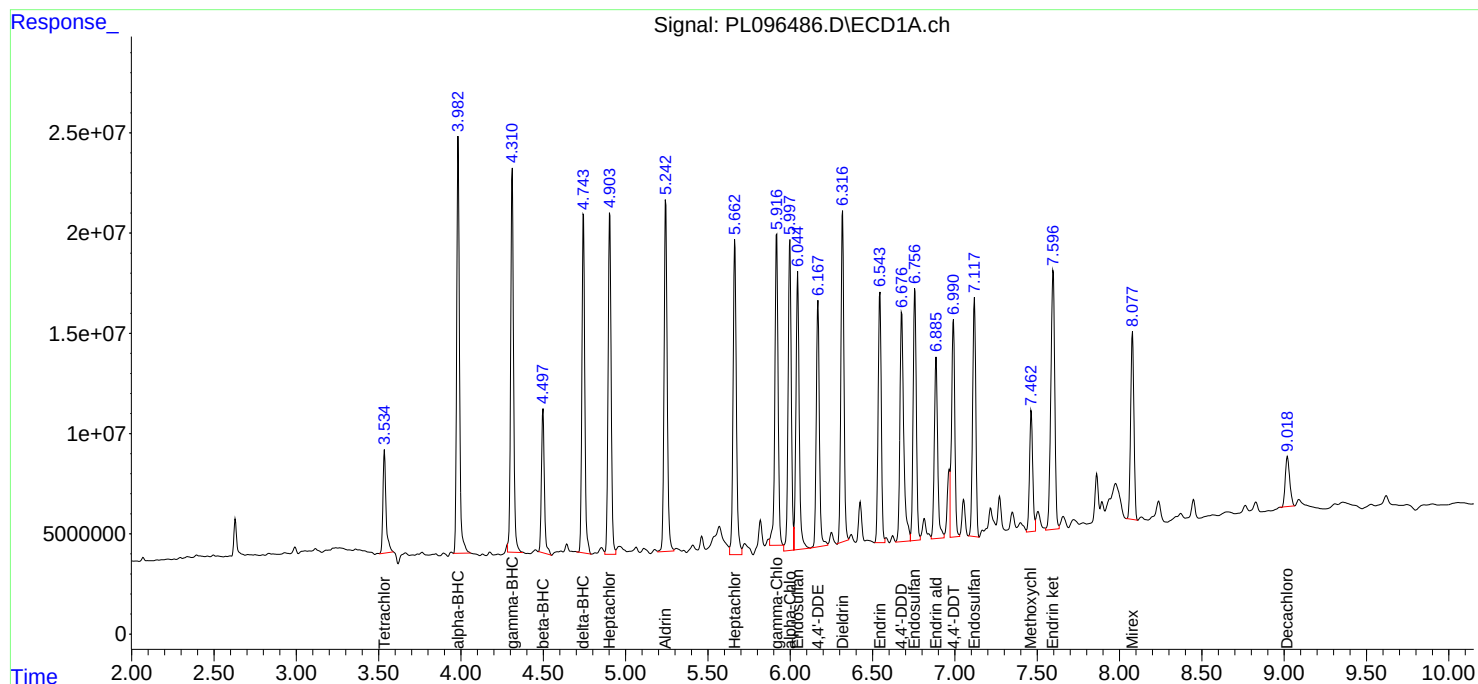
APPROVED

Reviewed By :Abdul Mirza 07/22/2025

Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:45:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	PL070725	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096238.D	4,4"-DDD	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	4,4"-DDD #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin aldehyde	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin aldehyde #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin ketone #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
RESCHK	PL096239.D	Endosulfan I #2	Abdul	7/8/2025 3:56:31 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC100	PL096240.D	Endrin ketone #2	Abdul	7/8/2025 7:52:23 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC075	PL096241.D	beta-BHC	Abdul	7/8/2025 7:51:37 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC025	PL096243.D	Endosulfan II #2	Abdul	7/8/2025 7:51:40 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	4,4"-DDE #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Dieldrin #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endosulfan I #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endosulfan II #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software

Manual Integration Report

Sequence:

PL070725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC005	PL096244.D	Endrin #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endrin aldehyde #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endrin ketone #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Heptachlor epoxide #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICV050	PL096255.D	Aldrin	Abdul	7/8/2025 3:56:25 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICV050	PL096255.D	Heptachlor epoxide	Abdul	7/8/2025 3:56:25 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PCHLORICV500	PL096256.D	Chlordane-1	Abdul	7/8/2025 7:51:59 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software

Manual Integration Report

Sequence:

pl072125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096480.D	4,4"-DDE	Abdul	7/22/2025 7:58:25 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PEM	PL096480.D	4,4"-DDE #2	Abdul	7/22/2025 7:58:25 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PEM	PL096480.D	Endrin aldehyde	Abdul	7/22/2025 7:58:25 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096481.D	Dieldrin #2	Abdul	7/22/2025 7:58:29 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096481.D	Endrin aldehyde	Abdul	7/22/2025 7:58:29 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096481.D	Heptachlor epoxide	Abdul	7/22/2025 7:58:29 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	4,4"-DDT	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Aldrin	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Aldrin #2	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	alpha-Chlordane	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Endrin ketone	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Endrin ketone #2	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	gamma-BHC (Lindane)	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

Manual Integration Report

Sequence:	pl072125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2635-01MS	PL096485.D	gamma-Chlordane	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Methoxychlor #2	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Tetrachloro-m-xylene	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Aldrin	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Aldrin #2	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Endrin #2	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	gamma-BHC (Lindane)	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	gamma-Chlordane	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Methoxychlor #2	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Tetrachloro-m-xylene	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2651-01	PL096487.D	4,4"-DDT	Abdul	7/22/2025 7:58:42 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2651-01	PL096487.D	4,4"-DDT #2	Abdul	7/22/2025 7:58:42 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2651-03	PL096489.D	4,4"-DDT	Abdul	7/22/2025 7:58:45 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

Manual Integration Report

Sequence:	pl072125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2651-03	PL096489.D	4,4"-DDT #2	Abdul	7/22/2025 7:58:45 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2651-03	PL096489.D	Tetrachloro-m-xylene	Abdul	7/22/2025 7:58:45 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2651-04	PL096490.D	4,4"-DDT	Abdul	7/22/2025 7:58:48 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2651-04	PL096490.D	Tetrachloro-m-xylene	Abdul	7/22/2025 7:58:48 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2651-05	PL096491.D	4,4"-DDT	Abdul	7/22/2025 7:58:51 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	Dieldrin #2	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	Endosulfan I	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	Endosulfan II	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	Endrin aldehyde	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	gamma-Chlordane	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	Heptachlor epoxide	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	4,4"-DDD	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	4,4"-DDT	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

Manual Integration Report

Sequence:

pl072125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096502.D	alpha-Chlordane	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Dieldrin #2	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Endosulfan I	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Endosulfan II	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Endrin aldehyde	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	gamma-Chlordane	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Heptachlor epoxide	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM
SubDirectory	PL070725	HP Acquire Method	HP Processing Method pl070725 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	PL096236.D	07 Jul 2025 09:59	AR\AJ	Ok
2	I.BLK	PL096237.D	07 Jul 2025 10:12	AR\AJ	Ok
3	PEM	PL096238.D	07 Jul 2025 10:26	AR\AJ	Ok,M
4	RESCHK	PL096239.D	07 Jul 2025 10:40	AR\AJ	Ok,M
5	PSTDICC100	PL096240.D	07 Jul 2025 10:53	AR\AJ	Ok,M
6	PSTDICC075	PL096241.D	07 Jul 2025 11:09	AR\AJ	Ok,M
7	PSTDICC050	PL096242.D	07 Jul 2025 11:22	AR\AJ	Ok
8	PSTDICC025	PL096243.D	07 Jul 2025 11:36	AR\AJ	Ok,M
9	PSTDICC005	PL096244.D	07 Jul 2025 11:49	AR\AJ	Ok,M
10	PCHLORICC1000	PL096245.D	07 Jul 2025 12:03	AR\AJ	Ok
11	PCHLORICC750	PL096246.D	07 Jul 2025 12:17	AR\AJ	Ok
12	PCHLORICC500	PL096247.D	07 Jul 2025 12:30	AR\AJ	Ok
13	PCHLORICC250	PL096248.D	07 Jul 2025 12:44	AR\AJ	Ok
14	PCHLORICC050	PL096249.D	07 Jul 2025 12:58	AR\AJ	Ok,M
15	PTOXICC1000	PL096250.D	07 Jul 2025 13:11	AR\AJ	Ok
16	PTOXICC750	PL096251.D	07 Jul 2025 13:25	AR\AJ	Ok
17	PTOXICC500	PL096252.D	07 Jul 2025 13:39	AR\AJ	Ok
18	PTOXICC250	PL096253.D	07 Jul 2025 13:52	AR\AJ	Ok,M
19	PTOXICC100	PL096254.D	07 Jul 2025 14:06	AR\AJ	Ok,M
20	PSTDICV050	PL096255.D	07 Jul 2025 14:19	AR\AJ	Ok,M
21	PCHLORICV500	PL096256.D	07 Jul 2025 14:33	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM
SubDirectory	PL070725	HP Acquire Method	HP Processing Method pl070725 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	PL096257.D	07 Jul 2025 14:47	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072125

Review By	Abdul	Review On	7/22/2025 7:59:51 AM
Supervise By	mohammad	Supervise On	7/23/2025 1:33:27 AM
SubDirectory	PL072125	HP Acquire Method	HP Processing Method pl070725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096478.D	21 Jul 2025 09:18	AR\AJ	Ok
2	I.BLK	PL096479.D	21 Jul 2025 11:50	AR\AJ	Ok
3	PEM	PL096480.D	21 Jul 2025 12:30	AR\AJ	Ok,M
4	PSTDCCC050	PL096481.D	21 Jul 2025 12:44	AR\AJ	Ok,M
5	PB168928BL	PL096482.D	21 Jul 2025 12:57	AR\AJ	Ok
6	PB168928BS	PL096483.D	21 Jul 2025 13:11	AR\AJ	Ok
7	Q2635-01	PL096484.D	21 Jul 2025 13:51	AR\AJ	Ok,M
8	Q2635-01MS	PL096485.D	21 Jul 2025 14:05	AR\AJ	Ok,M
9	Q2635-01MSD	PL096486.D	21 Jul 2025 14:19	AR\AJ	Ok,M
10	Q2651-01	PL096487.D	21 Jul 2025 14:32	AR\AJ	Ok,M
11	Q2651-02	PL096488.D	21 Jul 2025 14:46	AR\AJ	Ok
12	Q2651-03	PL096489.D	21 Jul 2025 15:00	AR\AJ	Ok,M
13	Q2651-04	PL096490.D	21 Jul 2025 15:13	AR\AJ	Ok,M
14	Q2651-05	PL096491.D	21 Jul 2025 15:27	AR\AJ	Ok,M
15	I.BLK	PL096492.D	21 Jul 2025 15:40	AR\AJ	Ok
16	PSTDCCC050	PL096493.D	21 Jul 2025 16:08	AR\AJ	Ok,M
17	Q2638-01	PL096494.D	21 Jul 2025 16:53	AR\AJ	ReRun
18	Q2638-03	PL096495.D	21 Jul 2025 17:06	AR\AJ	ReRun
19	Q2638-05	PL096496.D	21 Jul 2025 17:20	AR\AJ	ReRun
20	Q2638-07	PL096497.D	21 Jul 2025 17:34	AR\AJ	ReRun
21	Q2638-09	PL096498.D	21 Jul 2025 17:47	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072125

Review By	Abdul	Review On	7/22/2025 7:59:51 AM
Supervise By	mohammad	Supervise On	7/23/2025 1:33:27 AM
SubDirectory	PL072125	HP Acquire Method	HP Processing Method pl070725 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	Q2638-11	PL096499.D	21 Jul 2025 18:01	AR\AJ	Ok,M
23	Q2638-13	PL096500.D	21 Jul 2025 18:15	AR\AJ	Ok,M
24	I.BLK	PL096501.D	21 Jul 2025 18:42	AR\AJ	Ok
25	PSTDCCC050	PL096502.D	21 Jul 2025 21:12	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM
SubDirectory	PL070725	HP Acquire Method	HP Processing Method p070725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096236.D	07 Jul 2025 09:59		AR\AJ	Ok
2	I.BLK	I.BLK	PL096237.D	07 Jul 2025 10:12		AR\AJ	Ok
3	PEM	PEM	PL096238.D	07 Jul 2025 10:26		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL096239.D	07 Jul 2025 10:40		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL096240.D	07 Jul 2025 10:53		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL096241.D	07 Jul 2025 11:09		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL096242.D	07 Jul 2025 11:22		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL096243.D	07 Jul 2025 11:36		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL096244.D	07 Jul 2025 11:49		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL096245.D	07 Jul 2025 12:03		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL096246.D	07 Jul 2025 12:17		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL096247.D	07 Jul 2025 12:30		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL096248.D	07 Jul 2025 12:44		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL096249.D	07 Jul 2025 12:58		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL096250.D	07 Jul 2025 13:11		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL096251.D	07 Jul 2025 13:25		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL096252.D	07 Jul 2025 13:39		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL096253.D	07 Jul 2025 13:52		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM
SubDirectory	PL070725	HP Acquire Method	HP Processing Method pl070725 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	PL096254.D	07 Jul 2025 14:06		AR\AJ	Ok,M
20	PSTDICV050	ICVPL070725	PL096255.D	07 Jul 2025 14:19		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL070725	PL096256.D	07 Jul 2025 14:33		AR\AJ	Ok,M
22	PTOXICV500	ICVPL070725	PL096257.D	07 Jul 2025 14:47		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072125

Review By	Abdul	Review On	7/22/2025 7:59:51 AM
Supervise By	mohammad	Supervise On	7/23/2025 1:33:27 AM
SubDirectory	PL072125	HP Acquire Method	HP Processing Method p1070725 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	PL096478.D	21 Jul 2025 09:18		AR\AJ	Ok
2	I.BLK	I.BLK	PL096479.D	21 Jul 2025 11:50		AR\AJ	Ok
3	PEM	PEM	PL096480.D	21 Jul 2025 12:30		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096481.D	21 Jul 2025 12:44		AR\AJ	Ok,M
5	PB168928BL	PB168928BL	PL096482.D	21 Jul 2025 12:57		AR\AJ	Ok
6	PB168928BS	PB168928BS	PL096483.D	21 Jul 2025 13:11		AR\AJ	Ok
7	Q2635-01	RT2286	PL096484.D	21 Jul 2025 13:51		AR\AJ	Ok,M
8	Q2635-01MS	RT2286MS	PL096485.D	21 Jul 2025 14:05	Comp#21 recovery fail	AR\AJ	Ok,M
9	Q2635-01MSD	RT2286MSD	PL096486.D	21 Jul 2025 14:19	Comp#21 recovery fail	AR\AJ	Ok,M
10	Q2651-01	MH 2-1	PL096487.D	21 Jul 2025 14:32		AR\AJ	Ok,M
11	Q2651-02	MH 6-5	PL096488.D	21 Jul 2025 14:46		AR\AJ	Ok
12	Q2651-03	MH 7-6	PL096489.D	21 Jul 2025 15:00		AR\AJ	Ok,M
13	Q2651-04	MH 8-7	PL096490.D	21 Jul 2025 15:13		AR\AJ	Ok,M
14	Q2651-05	MH 9-8	PL096491.D	21 Jul 2025 15:27		AR\AJ	Ok,M
15	I.BLK	I.BLK	PL096492.D	21 Jul 2025 15:40		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL096493.D	21 Jul 2025 16:08		AR\AJ	Ok,M
17	Q2638-01	OU4-TS-31-071725	PL096494.D	21 Jul 2025 16:53	DCB Low in both column	AR\AJ	ReRun
18	Q2638-03	OU4-TS-32-071725	PL096495.D	21 Jul 2025 17:06	DCB Low in both column	AR\AJ	ReRun

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072125

Review By	Abdul	Review On	7/22/2025 7:59:51 AM
Supervise By	mohammad	Supervise On	7/23/2025 1:33:27 AM
SubDirectory	PL072125	HP Acquire Method	HP Processing Method pl070725 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	Q2638-05	OU4-TS-33-071725	PL096496.D	21 Jul 2025 17:20	DCB Low in both column	AR\AJ	ReRun
20	Q2638-07	OU4-TS-34-071725	PL096497.D	21 Jul 2025 17:34	DCB Low in both column	AR\AJ	ReRun
21	Q2638-09	OU4-TS-35-071725	PL096498.D	21 Jul 2025 17:47	DCB Low in 2nd column	AR\AJ	Ok,M
22	Q2638-11	OU4-TS-36-071725	PL096499.D	21 Jul 2025 18:01	DCB Low in 2nd column	AR\AJ	Ok,M
23	Q2638-13	OU4-TS-37-071725	PL096500.D	21 Jul 2025 18:15		AR\AJ	Ok,M
24	I.BLK	I.BLK	PL096501.D	21 Jul 2025 18:42		AR\AJ	Ok
25	PSTDCCC050	PSTDCCC050	PL096502.D	21 Jul 2025 21:12		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136542

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
Q2637-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2637-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2637-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2637-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2637-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2637-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2638-01	OU4-TS-31-071725	7	1.15	10.44	11.59	8.29	68.4	
Q2638-03	OU4-TS-32-071725	8	1.14	10.41	11.55	7.92	65.1	
Q2638-05	OU4-TS-33-071725	9	1.12	10.69	11.81	8.04	64.7	
Q2638-07	OU4-TS-34-071725	10	1.18	10.81	11.99	8.58	68.5	
Q2638-09	OU4-TS-35-071725	11	1.18	10.24	11.42	9.62	82.4	
Q2638-11	OU4-TS-36-071725	12	1.16	10.22	11.38	9.53	81.9	
Q2638-13	OU4-TS-37-071725	13	1.14	10.27	11.41	9.48	81.2	
Q2639-01	OU4-TS-38-071725	14	1.16	10.58	11.74	9.69	80.6	
Q2639-03	OU4-TS-39-071725	15	1.12	10.64	11.76	9.74	81.0	
Q2639-05	OU4-TS-40-071725	16	1.16	10.23	11.39	9.42	80.7	
Q2639-07	OU4-TS-41-071725	17	1.18	10.20	11.38	9.54	82.0	
Q2639-09	OU4-TS-42-071725	18	1.19	10.34	11.53	7.42	60.3	
Q2639-11	OU4-TS-43-071725	19	1.19	10.67	11.86	7.38	58.0	
Q2639-13	OU4-TS-44-071725	20	1.12	10.87	11.99	8.18	64.9	
Q2641-01	P001-CONCRETE001-01	21	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2645-02	RW5B-CARBON-20250716	22	1.17	10.52	11.69	8.39	68.6	
Q2648-01	A3	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-02	A4	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-03	B2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-04	B3	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-05	B4	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2651-01	MH 2-1	28	1.18	10.67	11.85	11.26	94.5	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136542

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
Q2651-02	MH 6-5	29	1.15	10.40	11.55	10.9	93.8	
Q2651-03	MH 7-6	30	1.12	10.20	11.32	10.7	93.9	
Q2651-04	MH 8-7	31	1.13	10.44	11.57	11.01	94.6	
Q2651-05	MH 9-8	32	1.13	10.27	11.4	10.67	92.9	

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

WORKLIST(Hardcopy Internal Chain)

W 136542

WorkList Name : %1-071825

WorkList ID : 190813

Department : Wet-Chemistry

Date : 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2637-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-01	OU4-TS-31-071725	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-03	OU4-TS-32-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-05	OU4-TS-33-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-07	OU4-TS-34-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-09	OU4-TS-35-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-11	OU4-TS-36-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-13	OU4-TS-37-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-01	OU4-TS-38-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-03	OU4-TS-39-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-05	OU4-TS-40-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-07	OU4-TS-41-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-09	OU4-TS-42-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-11	OU4-TS-43-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-13	OU4-TS-44-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2641-01	P001-CONCRETE001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	O22	07/16/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by: JS

Raw Sample Relinquished by: JS

Date/Time 07/18/25 17:35

Raw Sample Received by: JS

Raw Sample Relinquished by: JS

WORKLIST(Hardcopy Internal Chain)

VB 136542

WorkList Name : %1-071825

WorkList ID : 190813

Department : Wet-Chemistry

Date : 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2645-02	RW5B-CARBON-20250716	Solid	Percent Solids	Cool 4 deg C	TETR06	O41	07/16/2025	Chemtech -SO
Q2648-01	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-02	A4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-03	B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-04	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-05	B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-01	MH 2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-02	MH 6-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-03	MH 7-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-04	MH 8-7	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-05	MH 9-8	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/18/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Extraction Start Date : 07/21/2025

Matrix : Solid

Extraction Start Time : 08:30

Weigh By: EH

Extraction By: RJ

Extraction End Date : 07/21/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 11:45

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	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	EP2625
Sand	N/A	E3951
Hexane	N/A	E3956
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

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
7/21/25	RS CEH (Gib)	Y-PPH+IP43
11:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 07/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168928BL	PBLK928	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168928BS	PLCS928	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			2
Q2635-01	RT2286	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2635-01MS	RT2286MS	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2635-01MS D	RT2286MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q2638-01	OU4-TS-31-071725	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		6
Q2638-03	OU4-TS-32-071725	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	D		U3-1
Q2638-05	OU4-TS-33-071725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		2
Q2638-07	OU4-TS-34-071725	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	D		3
Q2638-09	OU4-TS-35-071725	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	D		4
Q2638-11	OU4-TS-36-071725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		5
Q2638-13	OU4-TS-37-071725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		6
Q2639-01	OU4-TS-38-071725	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		U6-1
Q2639-03	OU4-TS-39-071725	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		2
Q2639-05	OU4-TS-40-071725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		3
Q2639-07	OU4-TS-41-071725	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	D		4
Q2639-09	OU4-TS-42-071725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		5
Q2639-11	OU4-TS-43-071725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		6
Q2639-13	OU4-TS-44-071725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		U1-1
Q2651-01	MH 2-1	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	B		2
Q2651-02	MH 6-5	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		3
Q2651-03	MH 7-6	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	B		4
Q2651-04	MH 8-7	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		5
Q2651-05	MH 9-8	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		6

* Extracts relinquished on the same date as received.



16928
9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2635P

WorkList ID : 190839

Department : Extraction

Date : 07-21-2025 08:25:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2635-01	RT2286	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	07/17/2025	8081B
Q2638-01	OU4-TS-31-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-03	OU4-TS-32-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-05	OU4-TS-33-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-07	OU4-TS-34-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-09	OU4-TS-35-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-11	OU4-TS-36-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-13	OU4-TS-37-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2639-01	OU4-TS-38-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-03	OU4-TS-39-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-05	OU4-TS-40-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-07	OU4-TS-41-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-09	OU4-TS-42-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-11	OU4-TS-43-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-13	OU4-TS-44-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2651-01	MH 2-1	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B
Q2651-02	MH 6-5	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B
Q2651-03	MH 7-6	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B
Q2651-04	MH 8-7	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B
Q2651-05	MH 9-8	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B

Date/Time 07/21/25 8:25

Raw Sample Received by: RJ C ETL-1001

Raw Sample Relinquished by: [Signature]

Date/Time 07/21/25 8:55

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: RJ C ETL-1001

Prep Standard - Chemical Standard Summary

Order ID : Q2651

Test : Pesticide-TCL

Prepbatch ID : PB168928,

Sequence ID/Qc Batch ID: pl072125,

Standard ID :

EP2625,EP2627,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP
24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP2
4281,PP24282,PP24283,PP24284,PP24329,PP24433,PP24621,PP24622,PP24627,PP24651,PP24663,

Chemical ID :

E3551,E3877,E3914,E3927,E3937,E3941,E3944,E3949,E3950,E3951,E3956,P12603,P 12611,P13037,P13040,P13195
,P13246,P13356,P13405,P13785,P13786,P13861,P9052,W3177,



<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	EP2625	07/15/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/15/2025
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2627	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025
<u>FROM</u> 4000.00000ml of E3949 + 4000.00000ml of E3950 = Final Quantity: 8000.000 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	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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

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

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>
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.20000ml of P9052 + 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>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml

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>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml 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>
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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

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>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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

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

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

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>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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

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

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

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>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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

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

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

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>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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

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

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

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>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

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

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

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

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>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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

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

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

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>
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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

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

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

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>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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

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

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

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>
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

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

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

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

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



<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
<u>FROM</u> 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	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 #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

CHEMICAL RECEIPT LOG BOOK

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	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

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

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. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

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

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Certificate of Analysis

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

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

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

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

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

Recd. by RP on 2/12/25

Harout Sahagian E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

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

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

*Based on suggested storage condition.

Certificate of Analysis

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

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

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

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

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

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

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

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

*Based on suggested storage condition.

Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



Made in China

Agela Technologies

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

Reed on 7/2/25

E3949

J. Croak

Jamie Croak

Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

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

RESTEK

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.:** 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:

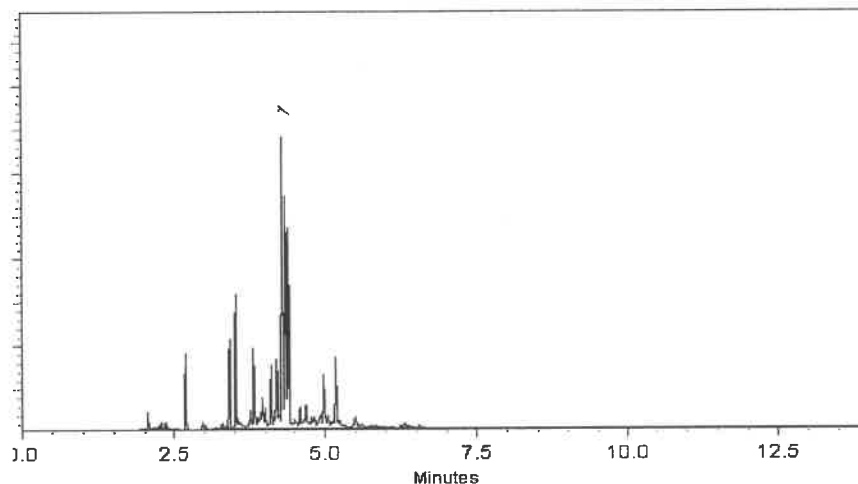
ECD

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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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.)

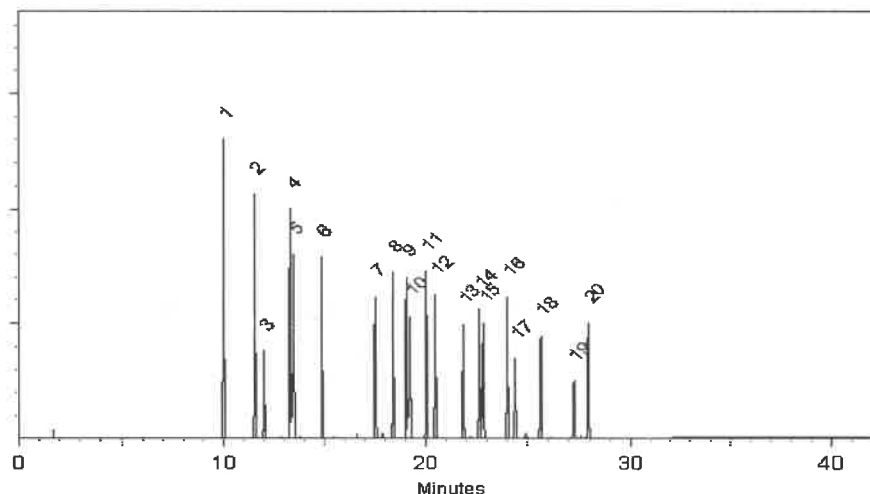
Inj. Temp:
 200°C

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 WEIGHT REPORT

Solvent(s):	Lot#
Acetone	81025

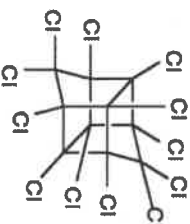
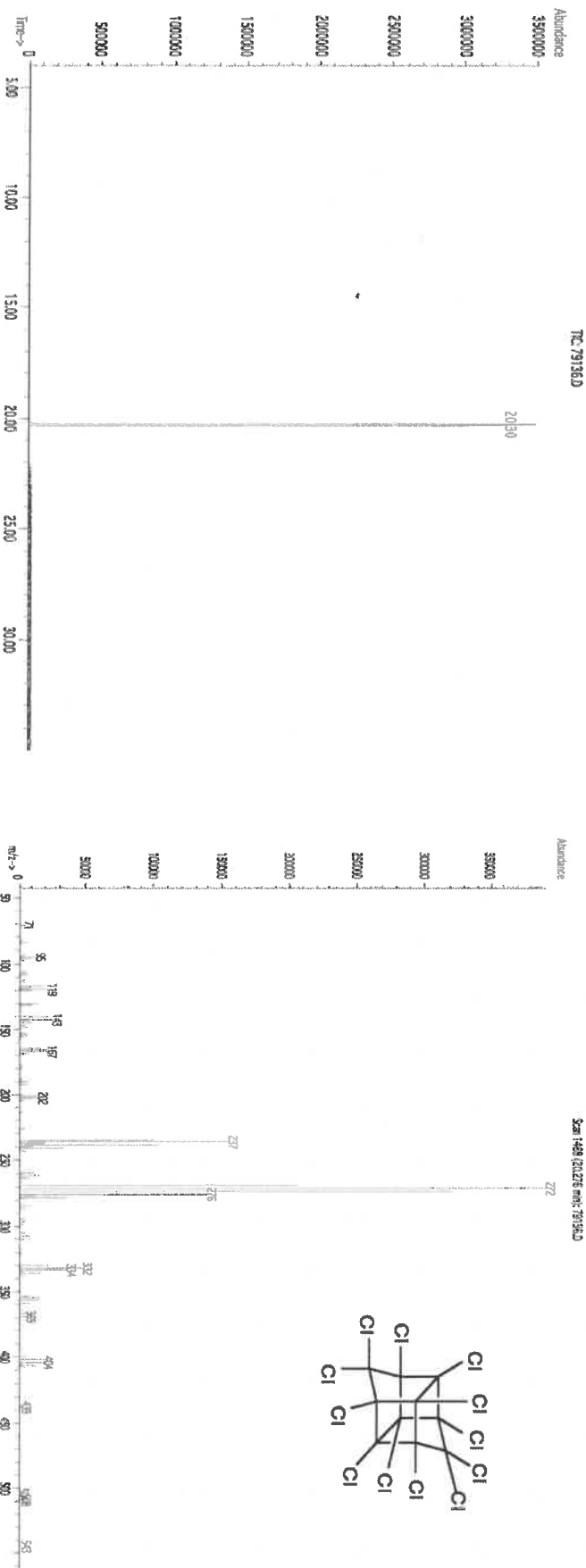
Expiration Date:	04/20/27
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	1000
NIST Test ID#:	6UTB
Weight(s) shown below were combined and diluted to (mL):	50.0
	5E-05 Balance Uncertainty
	0.006 Flask Uncertainty

042022	042022
Prashant Chauhan	Prashant Chauhan
Formulated By:	Reviewed By:
	
DATE	DATE

SDS Information

[illegible]

1.	Milex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	off-rat 34
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.													



$P_{13} | 195$
 $\downarrow$
 $P_{13} | 199$
 $\downarrow$
 (5)
 $|$

- 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 Kuyatt, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result, NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024
JALIN

5



110 Benner Circle
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:

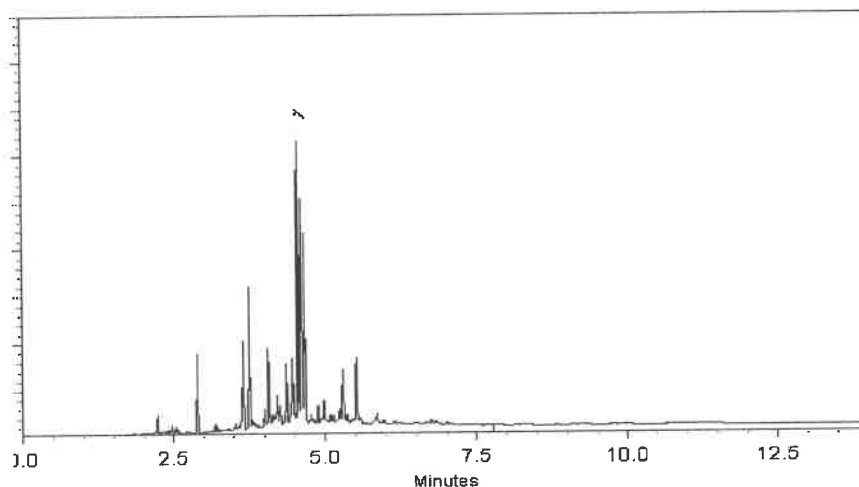
ECD

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

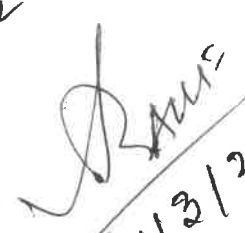
Date Mixed: 11-May-2023

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



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. : 32291

Lot No.: A0200423

Description : Organochlorine Pesticide Mix AB #1

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

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2027

Storage: 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

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

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

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

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

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

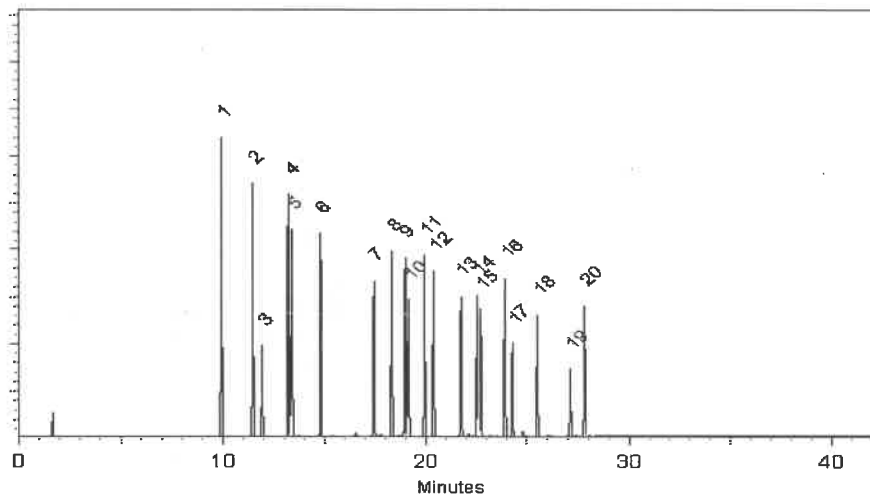
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

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

9 components
013129
Refrigerate (4 °C)

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

NIST Test ID#:

6UTB

5E-05
Balance Uncertainty
Peak Uncertainty

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

100.0

0.021

Balance Uncertainty
Peak Uncertainty

Formulated By: <i>Lawrence Barry</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		DATE
Reviewed By: <i>Pedro L. Rentes</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		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	(Solvent Safety Info. On Attached pg.)	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:

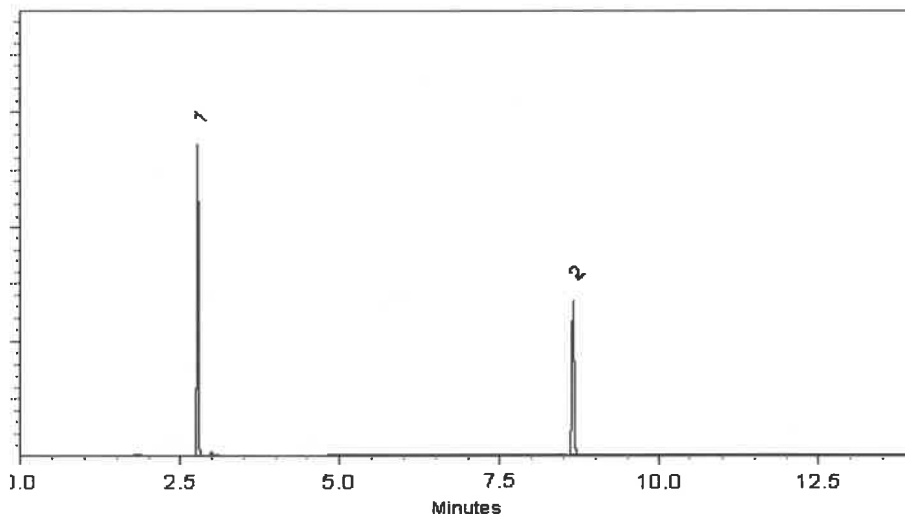
ECD

Split Vent:

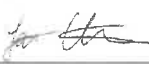
10 ml/min.

Inj. Vol

1µl

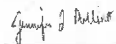


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

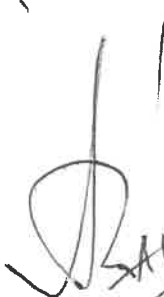
Balance Serial # 1128360905


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



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

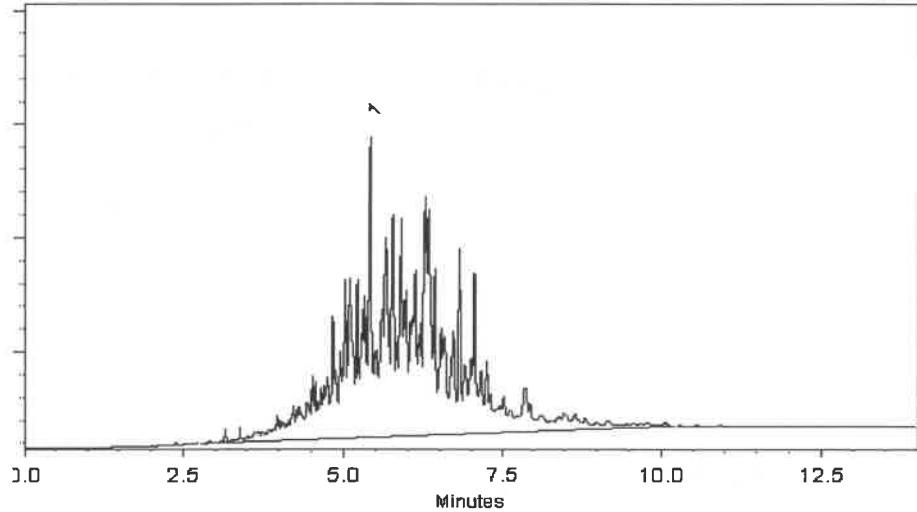
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

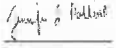


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13402
↓
P13406 } (5)

5/22/2024



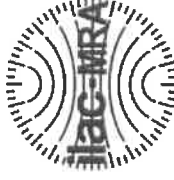
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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.:** 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.)

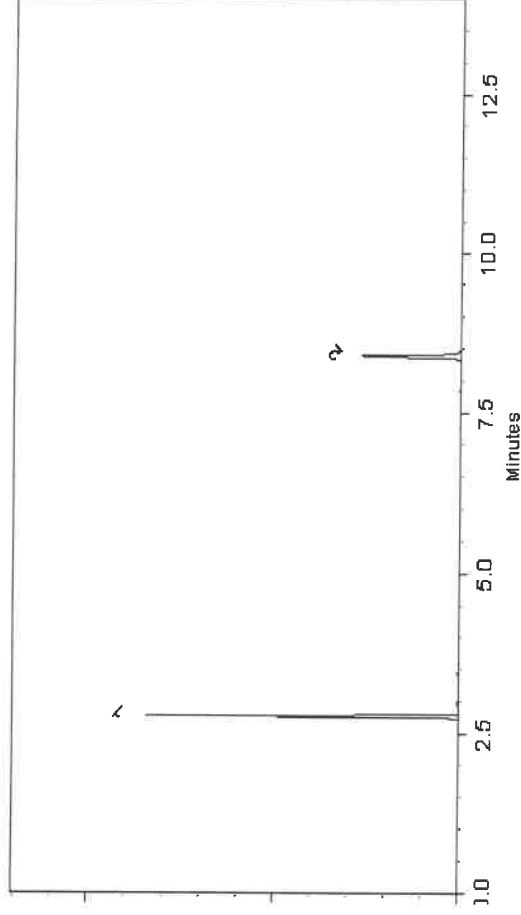
Inj. Temp:
250°C

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



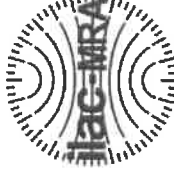
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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. : 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.)

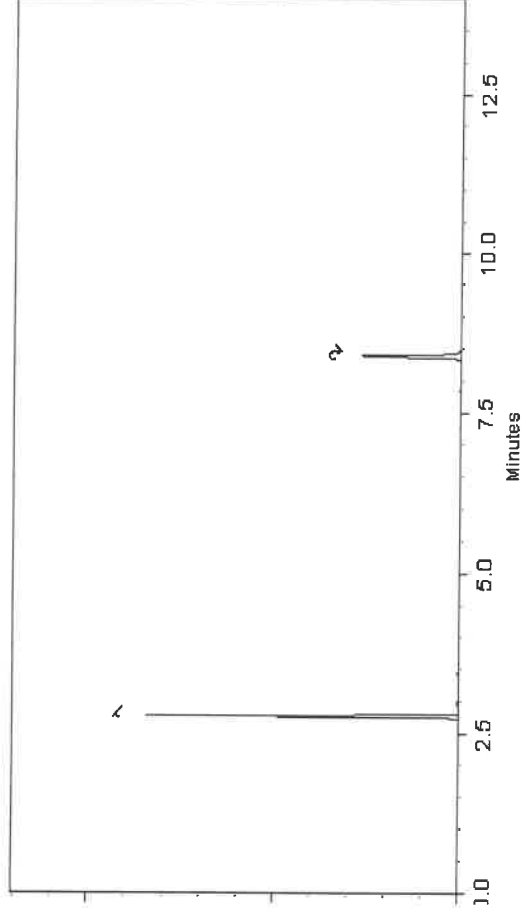
Inj. Temp:
250°C

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
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

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

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

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

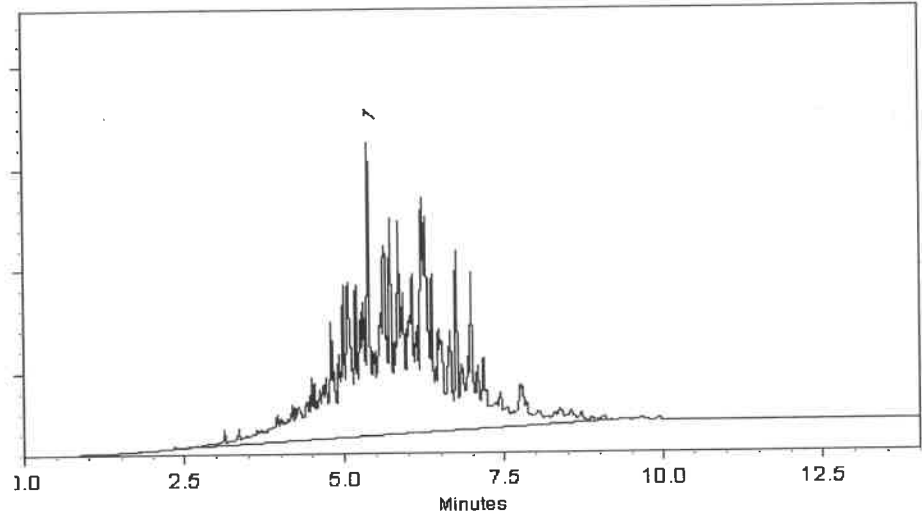
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311

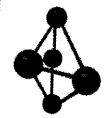

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

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

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**

Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**

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

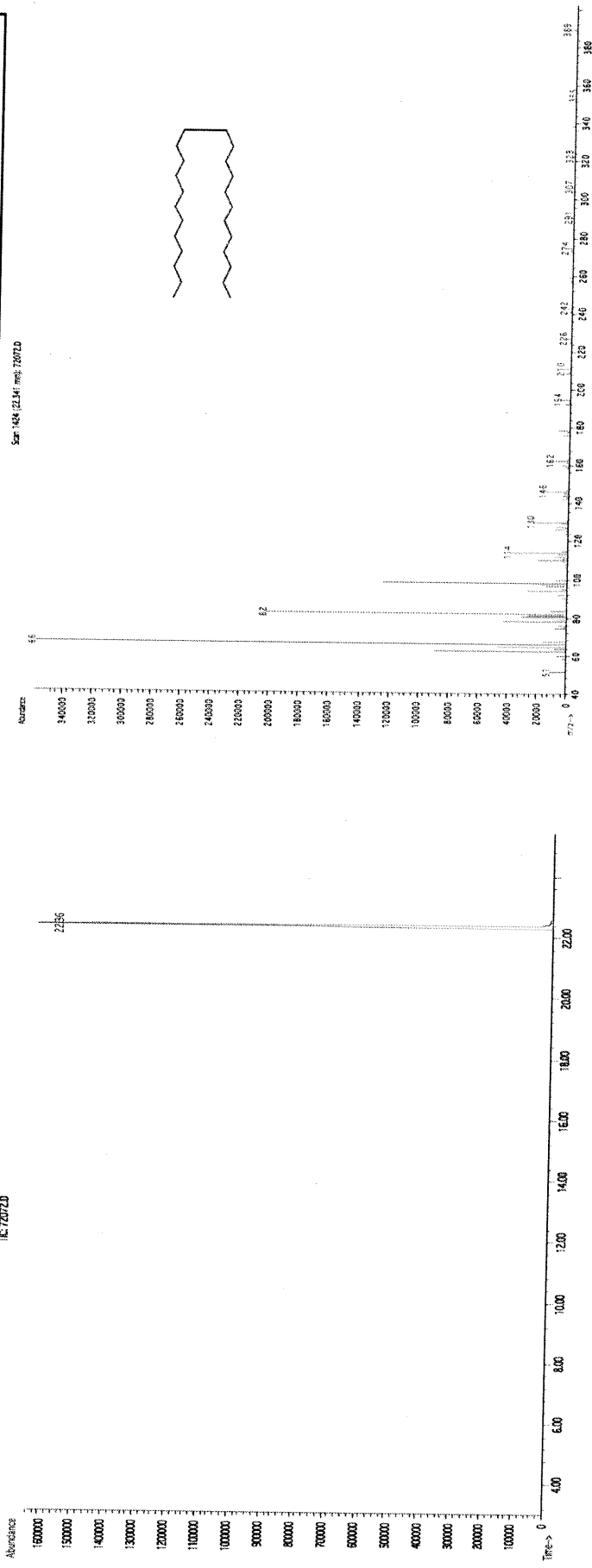
Solvent(s): **Methylene chloride**
Lot# **102669**

Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

<i>Prashant Chauhan</i>	
Formulated By:	Prashant Chauhan
DATE	112018
<i>Pedro Rentas</i>	
Reviewed By:	Pedro Rentas
DATE	112018

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 N/A
Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.										

TC 720720



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



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

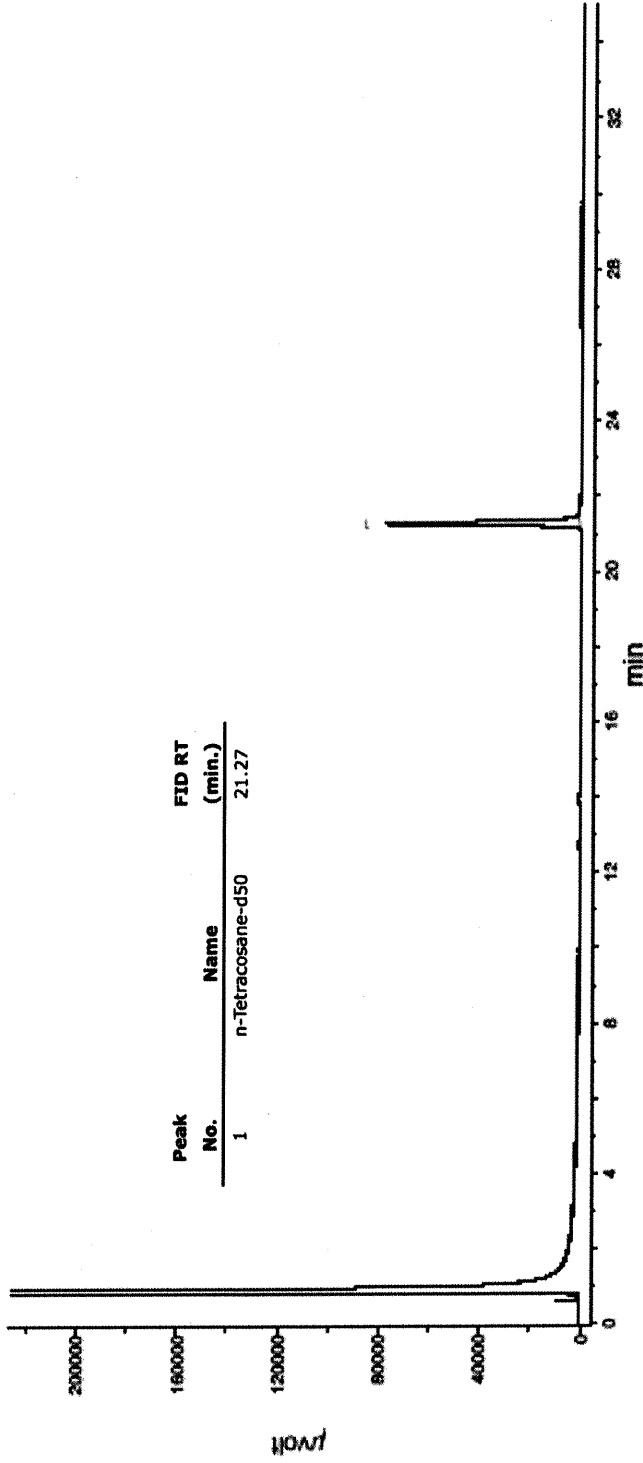
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



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



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Earth Engineering Inc
ADDRESS: 403 Commerce Lane
CITY West Berlin STATE: NJ ZIP: 08091
ATTENTION: Frank Dougherty
PHONE: 856-768-1001 FAX:

PROJECT NAME: Leon Avenue
PROJECT NO.: 38642 LOCATION: NJ
PROJECT MANAGER: Frank Dougherty
e-mail: frankd@earthengineering.com
PHONE: FAX:

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

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

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

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

1. TCL+30/TAL
2. EPH
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	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	MH 2-1	So.1		X	7/17/25	9:20	2	X	X									
2.	MH 6-5			X		9:55	2	X	X									
3.	MH 7-6			X		10:30	2	X	X									
4.	MH 8-7			X		10:50	2	X	X									
5.	MH 9-8			X		11:30	2	X	X									
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: <u>[Signature]</u>	DATE/TIME: <u>7-18-2025</u>	RECEIVED BY: <u>[Signature]</u>	7/18/25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>1-8°C</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		Comments:
2.		2.		
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		
3.		3.		

Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2651 EARTH03

Order Date : 7/18/2025 2:29:11 PM

Project Mgr :

Client Name : Earth Engineering Inc.

Project Name : Leon Avenue 38648

Report Type : Level 1

Client Contact : Frank Dougherty, LSRP

Receive DateTime : 7/18/2025 1:40:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : Earth Engineering Inc.

Purchase Order :

Hard Copy Date :

Invoice Contact : Frank Dougherty, LSRP

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2651-01	MH 2-1	Solid	07/17/2025	09:20					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-02	MH 6-5	Solid	07/17/2025	09:55					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-03	MH 7-6	Solid	07/17/2025	10:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-04	MH 8-7	Solid	07/17/2025	10:50					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-05	MH 9-8	Solid	07/17/2025	11:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	

Relinquished By : 

Date / Time : 7/18/25 15:15

Received By : 

Date / Time : 07/18/25 15:15

Storage Area : VOA Refridgerator Room