

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

LAB CHRONICLE

OrderID:	Q3310	OrderDate:	10/8/2025 1:24:21 PM
Client:	Langan Engineering and Environmental Services, Inc	Project:	Con Edison Richmond Terrace
Contact:	Gregory DelMastro	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3310-01	SS-01-0-1	SOIL	Pesticide-TCL	8081B	10/07/25	10/10/25	10/10/25	10/08/25
Q3310-02	SS-01-1-2	SOIL	Pesticide-TCL	8081B	10/07/25	10/10/25	10/10/25	10/08/25
Q3310-03	SS-01-2-3	SOIL	Pesticide-TCL	8081B	10/07/25	10/10/25	10/10/25	10/08/25

Hit Summary Sheet
SW-846

SDG No.: Q3310

Order ID: Q3310

Client: Langan Engineering and Environmental Services.

Project ID: Con Edison Richmond Terrace

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SS-01-0-1								
Q3310-01	SS-01-0-1	SOIL	Dieldrin	4.00		0.21	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	4,4-DDE	0.94	JP	0.21	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	Endrin	0.67	J	0.21	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	4,4-DDD	1.90	JP	0.23	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	4,4-DDT	3.20	P	0.21	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	alpha-Chlordane	3.60		0.18	2.60	ug/kg
Q3310-01	SS-01-0-1	SOIL	gamma-Chlordane	4.10		0.23	2.60	ug/kg
Total Concentration:				18.410				
Client ID : SS-01-1-2								
Q3310-02	SS-01-1-2	SOIL	4,4-DDE	1.70	JP	0.19	2.30	ug/kg
Q3310-02	SS-01-1-2	SOIL	4,4-DDD	2.50	P	0.21	2.30	ug/kg
Q3310-02	SS-01-1-2	SOIL	4,4-DDT	2.50	P	0.19	2.30	ug/kg
Q3310-02	SS-01-1-2	SOIL	alpha-Chlordane	1.70	JP	0.17	2.30	ug/kg
Q3310-02	SS-01-1-2	SOIL	gamma-Chlordane	1.20	JP	0.21	2.30	ug/kg
Total Concentration:				9.600				
Client ID : SS-01-2-3								
Q3310-03	SS-01-2-3	SOIL	4,4-DDE	0.30	J	0.19	2.30	ug/kg
Q3310-03	SS-01-2-3	SOIL	Endosulfan Sulfate	0.44	JP	0.17	2.30	ug/kg
Q3310-03	SS-01-2-3	SOIL	4,4-DDT	0.47	J	0.19	2.30	ug/kg
Q3310-03	SS-01-2-3	SOIL	alpha-Chlordane	0.17	J	0.16	2.30	ug/kg
Total Concentration:				1.380				



QC SUMMARY

Surrogate Summary

SDG No.: Q3310

Client: Langan Engineering and Environmental

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PL097523.D	PIBLK-PL097523.D	Decachlorobiphen	1	20	21.4	107		57	171
		Tetrachloro-m-xyl	1	20	19.2	96		61	148
		Decachlorobiphen	2	20	20.6	103		57	171
		Tetrachloro-m-xyl	2	20	19.3	97		61	148
I.BLK-PL097596.D	PIBLK-PL097596.D	Decachlorobiphen	1	20	24.3	121		57	171
		Tetrachloro-m-xyl	1	20	23.0	115		61	148
		Decachlorobiphen	2	20	19.7	99		57	171
		Tetrachloro-m-xyl	2	20	21.3	106		61	148
PB170054BL	PB170054BL	Decachlorobiphen	1	20	20.6	103		20	144
		Tetrachloro-m-xyl	1	20	18.6	93		19	148
		Decachlorobiphen	2	20	17.0	85		20	144
		Tetrachloro-m-xyl	2	20	16.9	85		19	148
Q3310-01	SS-01-0-1	Decachlorobiphen	1	20	10.4	52		20	144
		Tetrachloro-m-xyl	1	20	13.4	67		19	148
		Decachlorobiphen	2	20	8.24	41		20	144
		Tetrachloro-m-xyl	2	20	11.6	58		19	148
Q3310-01MS	SS-01-0-1MS	Decachlorobiphen	1	20	8.92	45		20	144
		Tetrachloro-m-xyl	1	20	12.9	64		19	148
		Decachlorobiphen	2	20	7.30	37		20	144
		Tetrachloro-m-xyl	2	20	11.4	57		19	148
Q3310-01MSD	SS-01-0-1MSD	Decachlorobiphen	1	20	10.5	53		20	144
		Tetrachloro-m-xyl	1	20	13.5	68		19	148
		Decachlorobiphen	2	20	7.64	38		20	144
		Tetrachloro-m-xyl	2	20	12.3	61		19	148
Q3310-02	SS-01-1-2	Decachlorobiphen	1	20	8.93	45		20	144
		Tetrachloro-m-xyl	1	20	8.79	44		19	148
		Decachlorobiphen	2	20	5.57	28		20	144
		Tetrachloro-m-xyl	2	20	7.94	40		19	148
Q3310-03	SS-01-2-3	Decachlorobiphen	1	20	8.88	44		20	144
		Tetrachloro-m-xyl	1	20	10.5	53		19	148
		Decachlorobiphen	2	20	5.80	29		20	144
		Tetrachloro-m-xyl	2	20	9.26	46		19	148
PB170054BS	PB170054BS	Decachlorobiphen	1	20	22.2	111		20	144
		Tetrachloro-m-xyl	1	20	21.1	105		19	148
		Decachlorobiphen	2	20	18.2	91		20	144
		Tetrachloro-m-xyl	2	20	20.8	104		19	148
I.BLK-PL097609.D	PIBLK-PL097609.D	Decachlorobiphen	1	20	24.3	122		57	171
		Tetrachloro-m-xyl	1	20	22.5	113		61	148
		Decachlorobiphen	2	20	19.8	99		57	171
		Tetrachloro-m-xyl	2	20	21.9	109		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3310</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Langan Engineering and Environmental S</u>	DataFile :	<u>PL097602.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result								High	RPD
Lab Sample ID:	Q3310-01MS (Column 1)	Client Sample ID:		SS-01-0-1MS								
	alpha-BHC	25.51	0	19.8	ug/kg	78				60	144	
	beta-BHC	25.51	0	18.3	ug/kg	72				54	143	
	delta-BHC	25.51	0	21.0	ug/kg	82				29	151	
	gamma-BHC (Lindane)	25.51	0	19.9	ug/kg	78				61	140	
	Heptachlor	25.51	0	19.9	ug/kg	78				63	135	
	Aldrin	25.51	0	19.6	ug/kg	77				49	139	
	Heptachlor epoxide	25.51	0	20.5	ug/kg	80				41	156	
	Endosulfan I	25.51	0	20.5	ug/kg	80				56	142	
	Dieldrin	25.51	0	24.6	ug/kg	96				47	161	
	4,4'-DDE	25.51	0	20.3	ug/kg	80				55	136	
	Endrin	25.51	0	19.7	ug/kg	77				57	139	
	Endosulfan II	25.51	0	17.9	ug/kg	70				40	163	
	4,4'-DDD	25.51	0	23.9	ug/kg	94				47	163	
	Endosulfan sulfate	25.51	0	23.3	ug/kg	91				62	139	
	4,4'-DDT	25.51	0	22.9	ug/kg	90				51	146	
	Methoxychlor	25.51	0	25.8	ug/kg	101				54	136	
	Endrin ketone	25.51	0	22.8	ug/kg	89				60	129	
	Endrin aldehyde	25.51	0	19.7	ug/kg	77				59	132	
	alpha-Chlordane	25.51	0	23.6	ug/kg	93				39	166	
	gamma-Chlordane	25.51	0	24.6	ug/kg	96				44	175	
Lab Sample ID:	Q3310-01MS (Column 2)	Client Sample ID:		SS-01-0-1MS								
	alpha-BHC	25.51	0	17.4	ug/kg	68				60	144	
	beta-BHC	25.51	0	16.0	ug/kg	63				54	143	
	delta-BHC	25.51	0	17.3	ug/kg	68				29	151	
	gamma-BHC (Lindane)	25.51	0	18.6	ug/kg	73				61	140	
	Heptachlor	25.51	0	16.7	ug/kg	65				63	135	
	Aldrin	25.51	0	17.1	ug/kg	67				49	139	
	Heptachlor epoxide	25.51	0	16.7	ug/kg	65				41	156	
	Endosulfan I	25.51	0	16.1	ug/kg	63				56	142	
	Dieldrin	25.51	0	19.0	ug/kg	74				47	161	
	4,4'-DDE	25.51	0	16.2	ug/kg	64				55	136	
	Endrin	25.51	0	15.4	ug/kg	60				57	139	
	Endosulfan II	25.51	0	16.3	ug/kg	64				40	163	
	4,4'-DDD	25.51	0	15.8	ug/kg	62				47	163	
	Endosulfan sulfate	25.51	0	21.8	ug/kg	85				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3310</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Langan Engineering and Environmental S</u>	DataFile :	<u>PL097602.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
		Result	Result							High	RPD
4,4'-DDT	25.51	0	18.1	ug/kg	71				51	146	
Methoxychlor	25.51	0	18.2	ug/kg	71				54	136	
Endrin ketone	25.51	0	13.1	ug/kg	51				60	129	
Endrin aldehyde	25.51	0	15.5	ug/kg	61				59	132	
alpha-Chlordane	25.51	0	17.8	ug/kg	70				39	166	
gamma-Chlordane	25.51	0	20.8	ug/kg	82				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3310</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Langan Engineering and Environmental S</u>	DataFile :	<u>PL097603.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits		
			Result				Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3310-01MSD (Column 1)	Client Sample ID:		SS-01-0-1MSD								
	alpha-BHC	25.47	0	21.4	ug/kg	84		7		60	144	20
	beta-BHC	25.47	0	19.5	ug/kg	77		7		54	143	20
	delta-BHC	25.47	0	22.3	ug/kg	88		7		29	151	20
	gamma-BHC (Lindane)	25.47	0	21.5	ug/kg	84		7		61	140	20
	Heptachlor	25.47	0	20.5	ug/kg	80		3		63	135	20
	Aldrin	25.47	0	21.3	ug/kg	84		9		49	139	20
	Heptachlor epoxide	25.47	0	21.4	ug/kg	84		5		41	156	20
	Endosulfan I	25.47	0	22.5	ug/kg	88		10		56	142	20
	Dieldrin	25.47	0	27.5	ug/kg	108		12		47	161	20
	4,4'-DDE	25.47	0	21.3	ug/kg	84		5		55	136	20
	Endrin	25.47	0	20.9	ug/kg	82		6		57	139	20
	Endosulfan II	25.47	0	18.3	ug/kg	72		3		40	163	20
	4,4'-DDD	25.47	0	25.4	ug/kg	100		6		47	163	20
	Endosulfan sulfate	25.47	0	24.8	ug/kg	97		6		62	139	20
	4,4'-DDT	25.47	0	24.1	ug/kg	95		5		51	146	20
	Methoxychlor	25.47	0	27.2	ug/kg	107		6		54	136	20
	Endrin ketone	25.47	0	24.0	ug/kg	94		5		60	129	20
	Endrin aldehyde	25.47	0	20.8	ug/kg	82		6		59	132	20
	alpha-Chlordane	25.47	0	24.3	ug/kg	95		2		39	166	20
	gamma-Chlordane	25.47	0	24.8	ug/kg	97		1		44	175	20
Lab Sample ID:	Q3310-01MSD (Column 2)	Client Sample ID:		SS-01-0-1MSD								
	alpha-BHC	25.47	0	18.6	ug/kg	73		7		60	144	20
	beta-BHC	25.47	0	16.5	ug/kg	65		3		54	143	20
	delta-BHC	25.47	0	18.4	ug/kg	72		6		29	151	20
	gamma-BHC (Lindane)	25.47	0	19.8	ug/kg	78		7		61	140	20
	Heptachlor	25.47	0	17.7	ug/kg	69		6		63	135	20
	Aldrin	25.47	0	19.0	ug/kg	75		11		49	139	20
	Heptachlor epoxide	25.47	0	17.6	ug/kg	69		6		41	156	20
	Endosulfan I	25.47	0	17.0	ug/kg	67		6		56	142	20
	Dieldrin	25.47	0	19.9	ug/kg	78		5		47	161	20
	4,4'-DDE	25.47	0	17.0	ug/kg	67		5		55	136	20
	Endrin	25.47	0	15.9	ug/kg	62		3		57	139	20
	Endosulfan II	25.47	0	16.9	ug/kg	66		3		40	163	20
	4,4'-DDD	25.47	0	16.4	ug/kg	64		3		47	163	20
	Endosulfan sulfate	25.47	0	22.6	ug/kg	89		5		62	139	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3310</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Langan Engineering and Environmental S</u>	DataFile :	<u>PL097603.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	25.47	0	18.9	ug/kg	74		4		51	146	20
Methoxychlor	25.47	0	19.1	ug/kg	75		5		54	136	20
Endrin ketone	25.47	0	13.5	ug/kg	53		4		60	129	20
Endrin aldehyde	25.47	0	15.8	ug/kg	62		2		59	132	20
alpha-Chlordane	25.47	0	18.7	ug/kg	73		4		39	166	20
gamma-Chlordane	25.47	0	21.9	ug/kg	86		5		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3310</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Langan Engineering and Environmental S</u>	Datafile :	<u>PL097608.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170054BS (Column 1)	alpha-BHC	16.65	19.7	ug/kg	118				84	123	
	beta-BHC	16.65	19.8	ug/kg	119				82	123	
	delta-BHC	16.65	19.5	ug/kg	117				83	126	
	gamma-BHC (Lindane)	16.65	19.7	ug/kg	118				83	125	
	Heptachlor	16.65	18.6	ug/kg	112				83	122	
	Aldrin	16.65	19.3	ug/kg	116				82	124	
	Heptachlor epoxide	16.65	18.1	ug/kg	109				83	120	
	Endosulfan I	16.65	19.1	ug/kg	115				81	124	
	Dieldrin	16.65	19.3	ug/kg	116				85	121	
	4,4'-DDE	16.65	19.8	ug/kg	119				81	123	
	Endrin	16.65	17.9	ug/kg	108				76	130	
	Endosulfan II	16.65	17.8	ug/kg	107				80	125	
	4,4'-DDD	16.65	20.5	ug/kg	123				80	131	
	Endosulfan sulfate	16.65	18.7	ug/kg	112				81	122	
	4,4'-DDT	16.65	17.6	ug/kg	106				70	129	
	Methoxychlor	16.65	16.6	ug/kg	100				60	119	
	Endrin ketone	16.65	19.1	ug/kg	115				77	132	
	Endrin aldehyde	16.65	18.8	ug/kg	113				79	124	
	alpha-Chlordane	16.65	19.0	ug/kg	114				84	120	
	gamma-Chlordane	16.65	19.4	ug/kg	117				83	122	
	alpha-BHC	16.65	19.4	ug/kg	117				84	123	
PB170054BS (Column 2)	beta-BHC	16.65	18.3	ug/kg	110				82	123	
	delta-BHC	16.65	19.1	ug/kg	115				83	126	
	gamma-BHC (Lindane)	16.65	19.2	ug/kg	115				83	125	
	Heptachlor	16.65	18.2	ug/kg	109				83	122	
	Aldrin	16.65	18.8	ug/kg	113				82	124	
	Heptachlor epoxide	16.65	19.4	ug/kg	117				83	120	
	Endosulfan I	16.65	18.3	ug/kg	110				81	124	
	Dieldrin	16.65	17.8	ug/kg	107				85	121	
	4,4'-DDE	16.65	18.5	ug/kg	111				81	123	
	Endrin	16.65	16.6	ug/kg	100				76	130	
	Endosulfan II	16.65	17.7	ug/kg	106				80	125	
	4,4'-DDD	16.65	18.7	ug/kg	112				80	131	
	Endosulfan sulfate	16.65	17.2	ug/kg	103				81	122	
	4,4'-DDT	16.65	16.3	ug/kg	98				70	129	
	Methoxychlor	16.65	15.0	ug/kg	90				60	119	
	Endrin ketone	16.65	16.1	ug/kg	97				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	17.9	ug/kg	108				84	120	
	gamma-Chlordane	16.65	17.7	ug/kg	106				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170054BL

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: PB170054BL

Lab File ID: PL097599.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/10/2025

Date Analyzed (1): 10/10/2025

Date Analyzed (2): 10/10/2025

Time Analyzed (1): 13:44

Time Analyzed (2): 13:44

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
SS-01-0-1	Q3310-01	PL097601.D	10/10/2025	10/10/2025
SS-01-0-1MS	Q3310-01MS	PL097602.D	10/10/2025	10/10/2025
SS-01-0-1MSD	Q3310-01MSD	PL097603.D	10/10/2025	10/10/2025
SS-01-1-2	Q3310-02	PL097604.D	10/10/2025	10/10/2025
SS-01-2-3	Q3310-03	PL097606.D	10/10/2025	10/10/2025
PB170054BS	PB170054BS	PL097608.D	10/10/2025	10/10/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1	SDG No.:	Q3310
Lab Sample ID:	Q3310-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	65.3 Decanted:
Sample Wt/Vol:	30.09 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
PL097601.D	1	10/10/25 09:06	10/10/25 14:11	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	2.60	ug/kg
319-85-7	beta-BHC	0.27	U	0.27	2.60	ug/kg
319-86-8	delta-BHC	0.60	U	0.60	2.60	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	2.60	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	2.60	ug/kg
309-00-2	Aldrin	0.18	U	0.18	2.60	ug/kg
1024-57-3	Heptachlor epoxide	0.29	U	0.29	2.60	ug/kg
959-98-8	Endosulfan I	0.21	U	0.21	2.60	ug/kg
60-57-1	Dieldrin	4.00		0.21	2.60	ug/kg
72-55-9	4,4-DDE	0.94	JP	0.21	2.60	ug/kg
72-20-8	Endrin	0.67	J	0.21	2.60	ug/kg
33213-65-9	Endosulfan II	0.44	U	0.44	2.60	ug/kg
72-54-8	4,4-DDD	1.90	JP	0.23	2.60	ug/kg
1031-07-8	Endosulfan Sulfate	0.20	U	0.20	2.60	ug/kg
50-29-3	4,4-DDT	3.20	P	0.21	2.60	ug/kg
72-43-5	Methoxychlor	0.56	U	0.56	2.60	ug/kg
53494-70-5	Endrin ketone	0.29	U	0.29	2.60	ug/kg
7421-93-4	Endrin aldehyde	0.56	U	0.56	2.60	ug/kg
5103-71-9	alpha-Chlordane	3.60		0.18	2.60	ug/kg
5103-74-2	gamma-Chlordane	4.10		0.23	2.60	ug/kg
8001-35-2	Toxaphene	8.30	U	8.30	50.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.4		20 - 144	52%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.4		19 - 148	67%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-0-1		SDG No.:	Q3310	
Lab Sample ID:	Q3310-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	65.3	Decanted:
Sample Wt/Vol:	30.09	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
PL097601.D	1	10/10/25 09:06	10/10/25 14:11	PB170054

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\PL101025\
 Data File : PL097601.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:11
 Operator : AR\AJ
 Sample : Q3310-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SS-01-0-1

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 13 05:12:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 2025
 Response via : Initial 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...	3.523	2.822	54606137	70350179	13.395m	11.559
28)	SA Decachlor...	8.993	7.978	30843622	42742861	10.372m	8.237
Target Compounds							
10)	B gamma-Chl...	5.900	5.038	43597814	58465847	8.033	6.725m
11)	B alpha-Chl...	5.982	5.103	38588752	48707331	7.111m	5.849
12)	B 4,4'-DDE	6.153	5.293	8583648	8736594	1.843	1.151 #
13)	MA Dieldrin	6.299	5.424	31823020	65153989	6.049m	7.880 #
14)	MA Endrin	6.525	5.704	5697204	9785948	1.273m	1.322m
15)	B Endosulfa...	6.742	5.990	3040860	5511195	0.622m	0.798m#
16)	A 4,4'-DDD	6.673	5.842	13882776	8691060	3.679m	1.362m#
17)	MA 4,4'-DDT	6.974	6.093	7279424	42273892	1.795	6.344 #

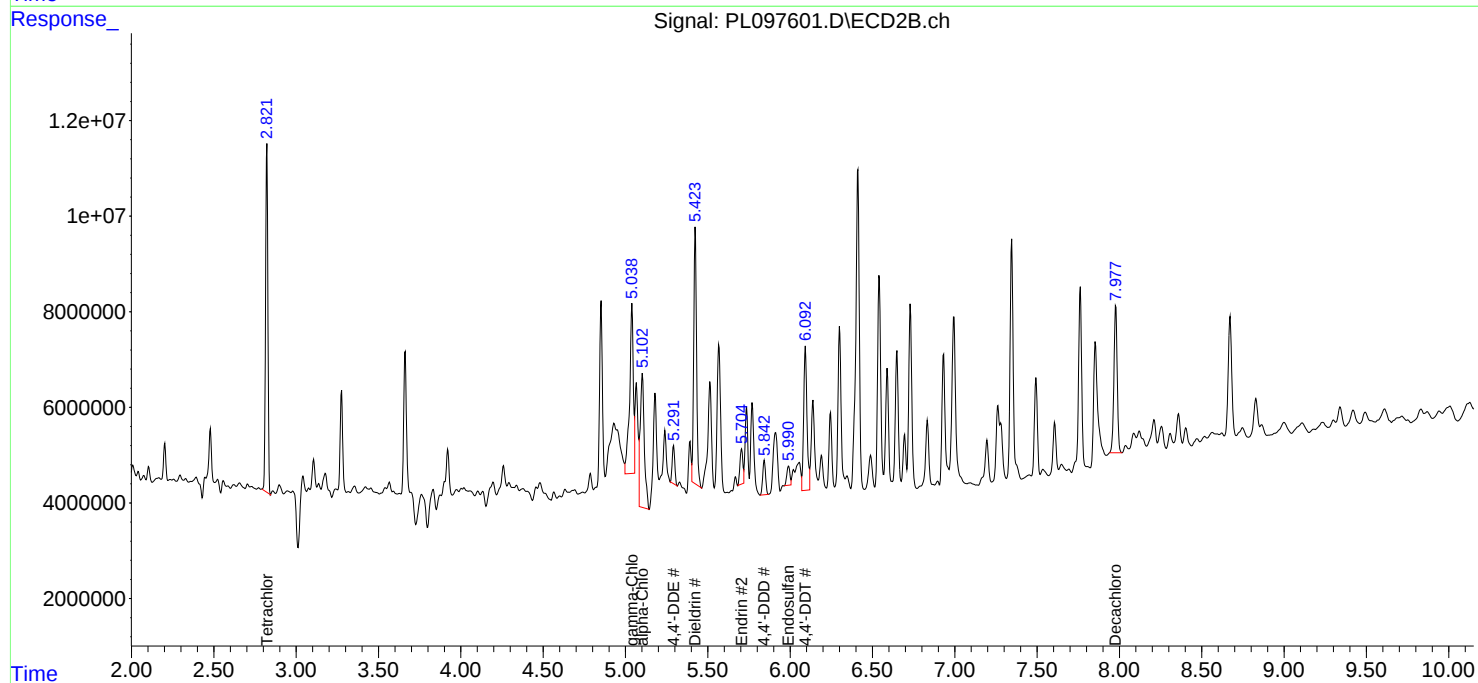
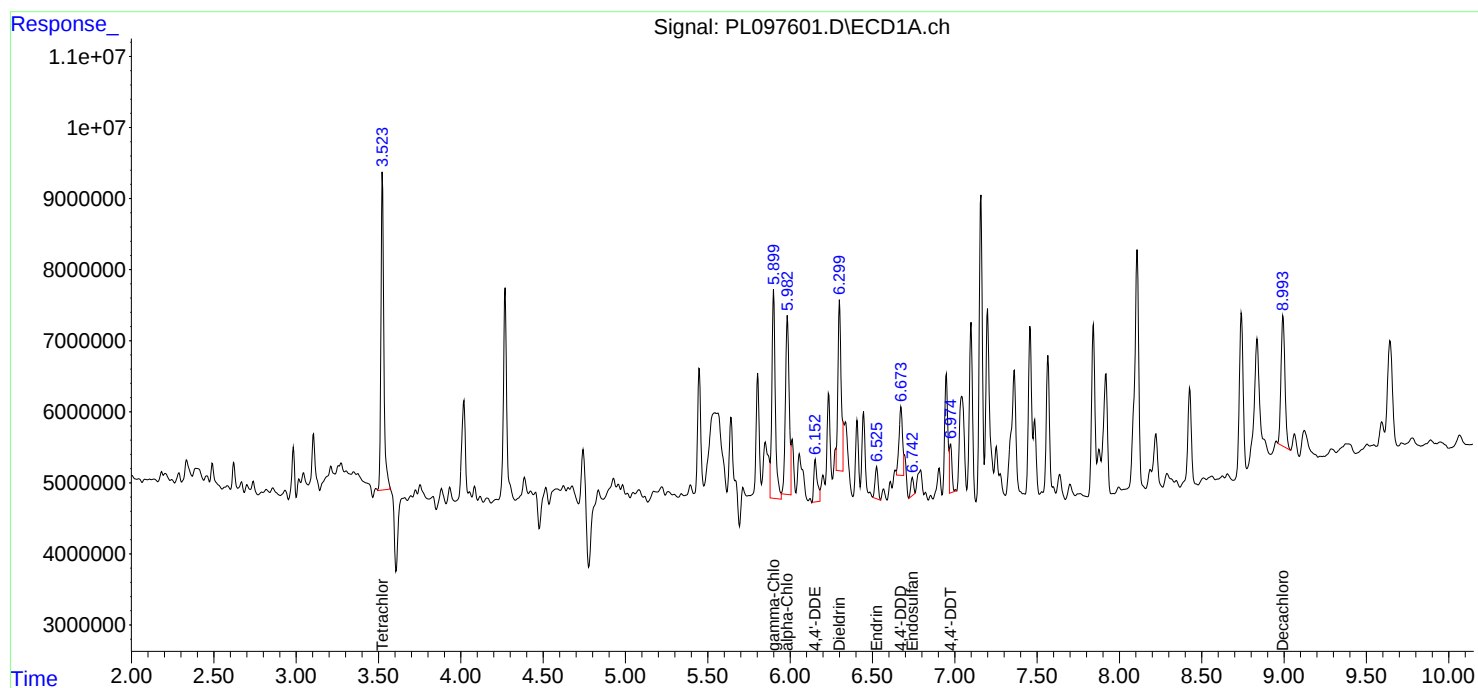
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

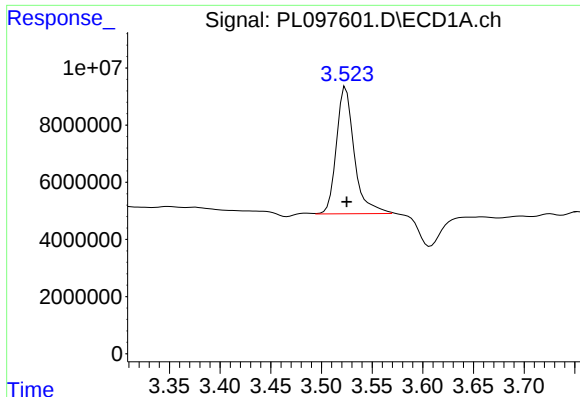
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:11
Operator : AR\AJ
Sample : Q3310-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 05:12:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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

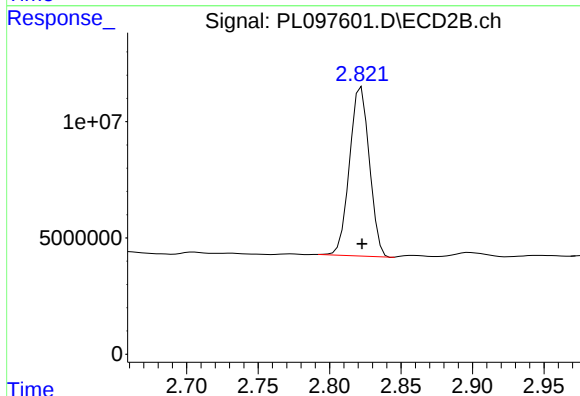




#1 Tetrachloro-m-xylene

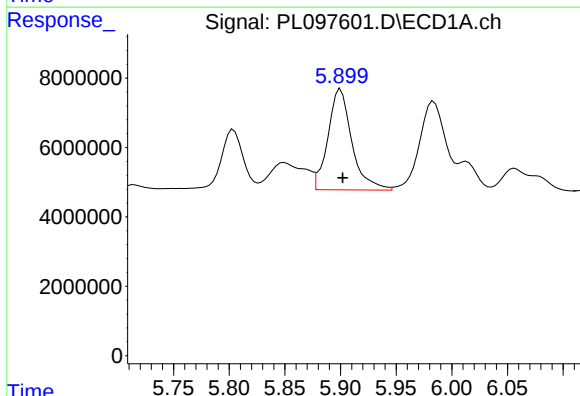
R.T.: 3.523 min
Delta R.T.: -0.002 min
Response: 54606137
Conc: 13.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1



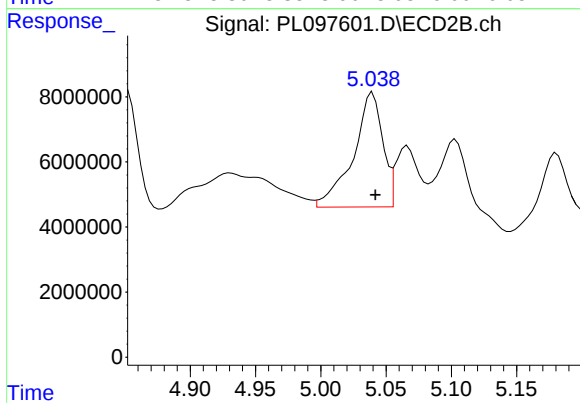
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 70350179
Conc: 11.56 ng/ml



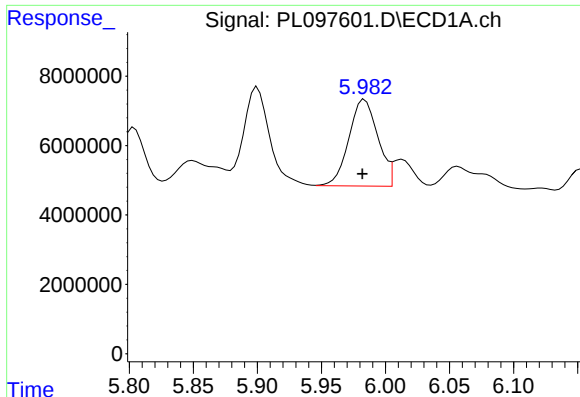
#10 gamma-Chlordane

R.T.: 5.900 min
Delta R.T.: -0.002 min
Response: 43597814
Conc: 8.03 ng/ml



#10 gamma-Chlordane

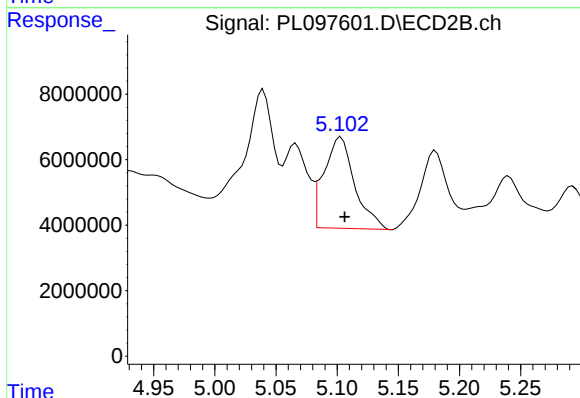
R.T.: 5.038 min
Delta R.T.: -0.004 min
Response: 58465847
Conc: 6.73 ng/ml m



#11 alpha-Chlordane

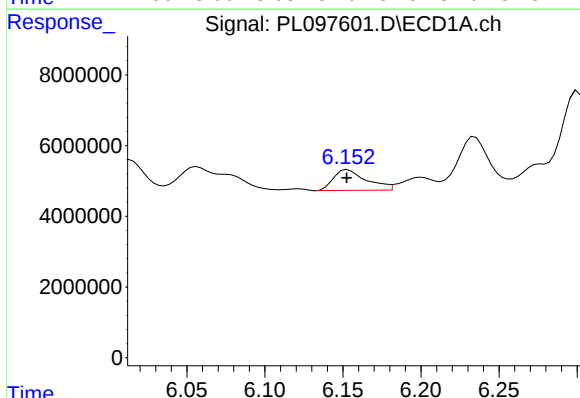
R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 38588752
Conc: 7.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1



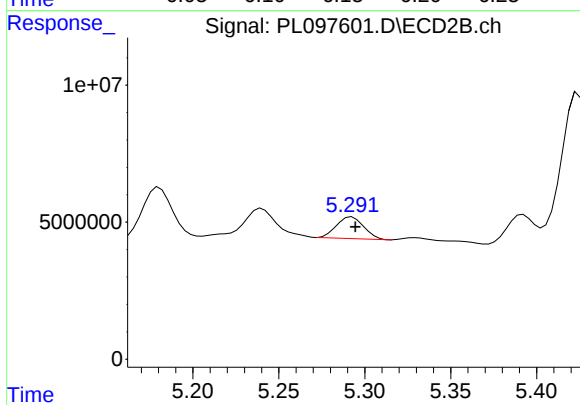
#11 alpha-Chlordane

R.T.: 5.103 min
Delta R.T.: -0.003 min
Response: 48707331
Conc: 5.85 ng/ml



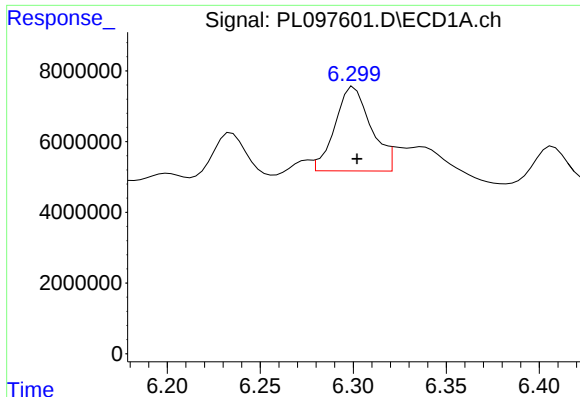
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 8583648
Conc: 1.84 ng/ml



#12 4,4'-DDE

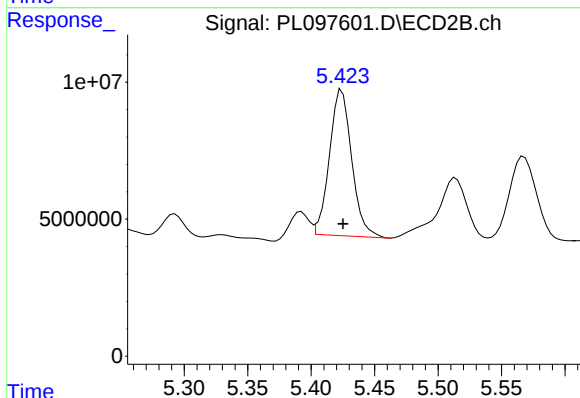
R.T.: 5.293 min
Delta R.T.: -0.002 min
Response: 8736594
Conc: 1.15 ng/ml



#13 Dieldrin

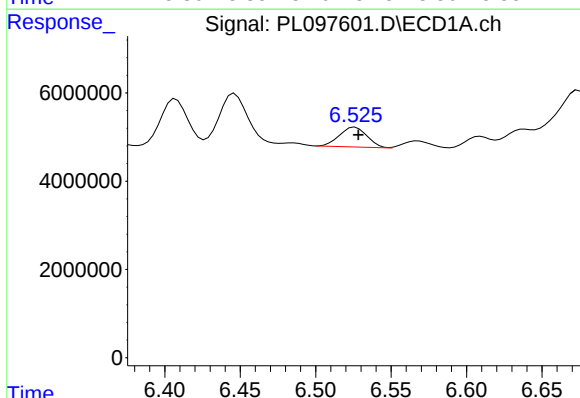
R.T.: 6.299 min
Delta R.T.: -0.003 min
Response: 31823020
Conc: 6.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1



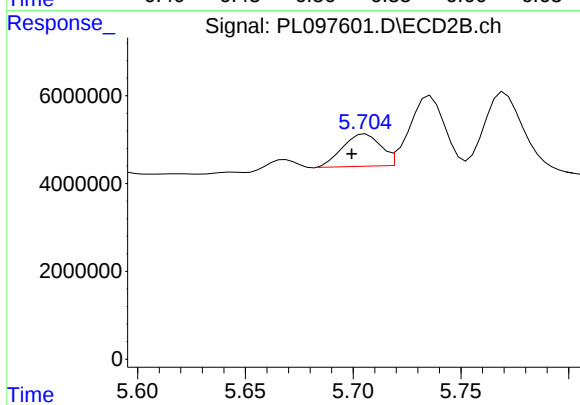
#13 Dieldrin

R.T.: 5.424 min
Delta R.T.: 0.000 min
Response: 65153989
Conc: 7.88 ng/ml



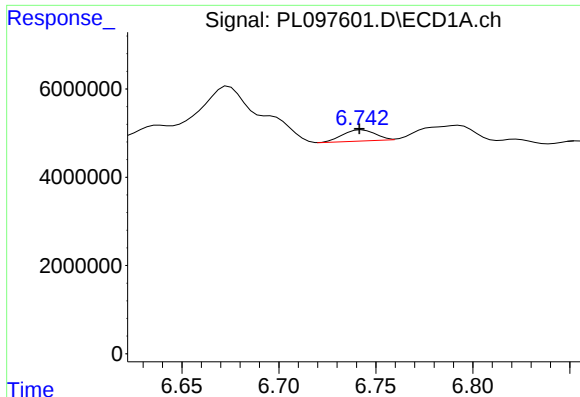
#14 Endrin

R.T.: 6.525 min
Delta R.T.: -0.003 min
Response: 5697204
Conc: 1.27 ng/ml m



#14 Endrin

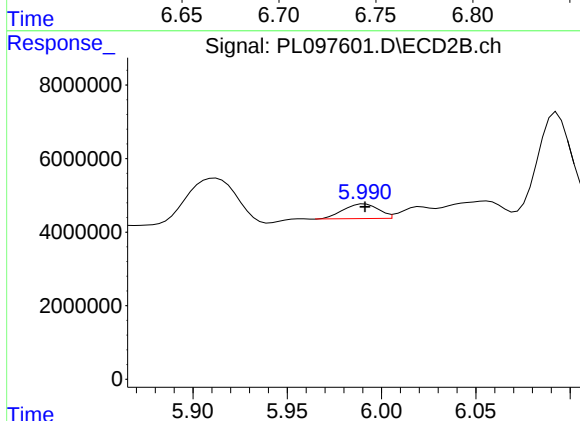
R.T.: 5.704 min
Delta R.T.: 0.005 min
Response: 9785948
Conc: 1.32 ng/ml m



#15 Endosulfan II

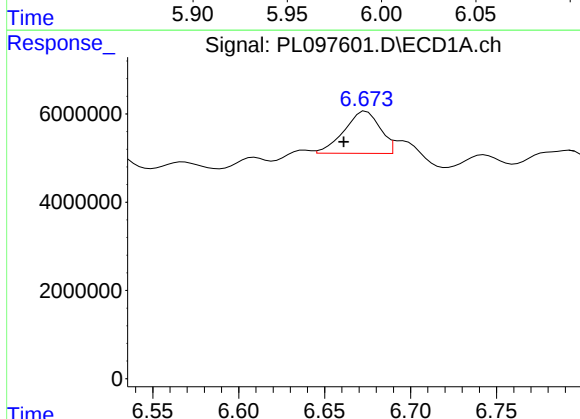
R.T.: 6.742 min
Delta R.T.: 0.000 min
Response: 3040860
Conc: 0.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1



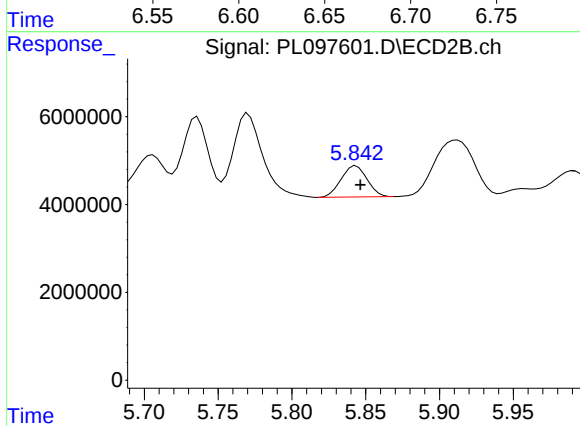
#15 Endosulfan II

R.T.: 5.990 min
Delta R.T.: -0.002 min
Response: 5511195
Conc: 0.80 ng/ml m



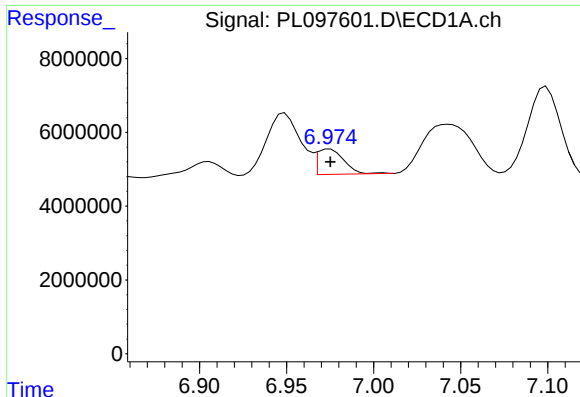
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: 0.012 min
Response: 13882776
Conc: 3.68 ng/ml m



#16 4,4'-DDD

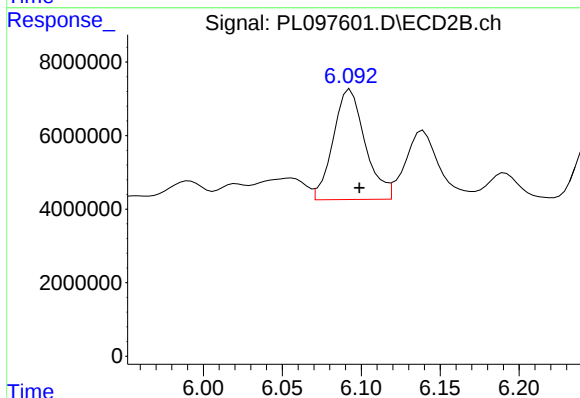
R.T.: 5.842 min
Delta R.T.: -0.004 min
Response: 8691060
Conc: 1.36 ng/ml m



#17 4,4'-DDT

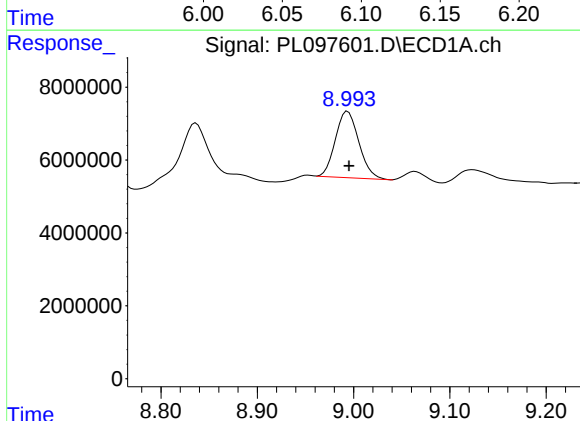
R.T.: 6.974 min
Delta R.T.: 0.000 min
Response: 7279424
Conc: 1.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1



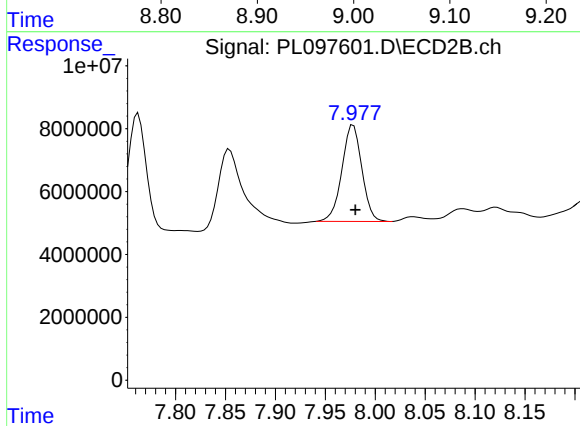
#17 4,4'-DDT

R.T.: 6.093 min
Delta R.T.: -0.006 min
Response: 42273892
Conc: 6.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.993 min
Delta R.T.: -0.003 min
Response: 30843622
Conc: 10.37 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.978 min
Delta R.T.: -0.002 min
Response: 42742861
Conc: 8.24 ng/ml

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-1-2	SDG No.:	Q3310
Lab Sample ID:	Q3310-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	72.4
Sample Wt/Vol:	30.08	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
PL097604.D	1	10/10/25 09:06	10/10/25 14:52	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	2.30	ug/kg
319-85-7	beta-BHC	0.25	U	0.25	2.30	ug/kg
319-86-8	delta-BHC	0.54	U	0.54	2.30	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	2.30	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	2.30	ug/kg
309-00-2	Aldrin	0.17	U	0.17	2.30	ug/kg
1024-57-3	Heptachlor epoxide	0.26	U	0.26	2.30	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	2.30	ug/kg
60-57-1	Dieldrin	0.19	U	0.19	2.30	ug/kg
72-55-9	4,4-DDE	1.70	JP	0.19	2.30	ug/kg
72-20-8	Endrin	0.19	U	0.19	2.30	ug/kg
33213-65-9	Endosulfan II	0.40	U	0.40	2.30	ug/kg
72-54-8	4,4-DDD	2.50	P	0.21	2.30	ug/kg
1031-07-8	Endosulfan Sulfate	0.18	U	0.18	2.30	ug/kg
50-29-3	4,4-DDT	2.50	P	0.19	2.30	ug/kg
72-43-5	Methoxychlor	0.51	U	0.51	2.30	ug/kg
53494-70-5	Endrin ketone	0.26	U	0.26	2.30	ug/kg
7421-93-4	Endrin aldehyde	0.51	U	0.51	2.30	ug/kg
5103-71-9	alpha-Chlordane	1.70	JP	0.17	2.30	ug/kg
5103-74-2	gamma-Chlordane	1.20	JP	0.21	2.30	ug/kg
8001-35-2	Toxaphene	7.50	U	7.50	45.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.93		20 - 144	45%	SPK: 20
877-09-8	Tetrachloro-m-xylene	8.79		19 - 148	44%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-1-2	SDG No.:	Q3310
Lab Sample ID:	Q3310-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	72.4
Sample Wt/Vol:	30.08	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
PL097604.D	1	10/10/25 09:06	10/10/25 14:52	PB170054

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\PL101025\
 Data File : PL097604.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:52
 Operator : AR\AJ
 Sample : Q3310-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SS-01-1-2

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/15/2025
 Supervised By : mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:19:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 2025
 Response via : Initial 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...	3.524	2.822	35823695	48327533	8.787	7.940
28)	SA Decachlor...	8.992	7.979	26560194	28891516	8.932m	5.568 #
Target Compounds							
10)	B gamma-Chl...	5.900	5.039	13773352	13617961	2.538m	1.567m#
11)	B alpha-Chl...	5.981	5.103	19743305	18121180	3.638m	2.176m#
12)	B 4,4'-DDE	6.151	5.293	17713811	18118036	3.804	2.386 #
16)	A 4,4'-DDD	6.661	5.844	20791683	16429021	5.510m	2.576m#
17)	MA 4,4'-DDT	6.973	6.094	12688886	36709063	3.129m	5.509m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:52
Operator : AR\AJ
Sample : Q3310-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

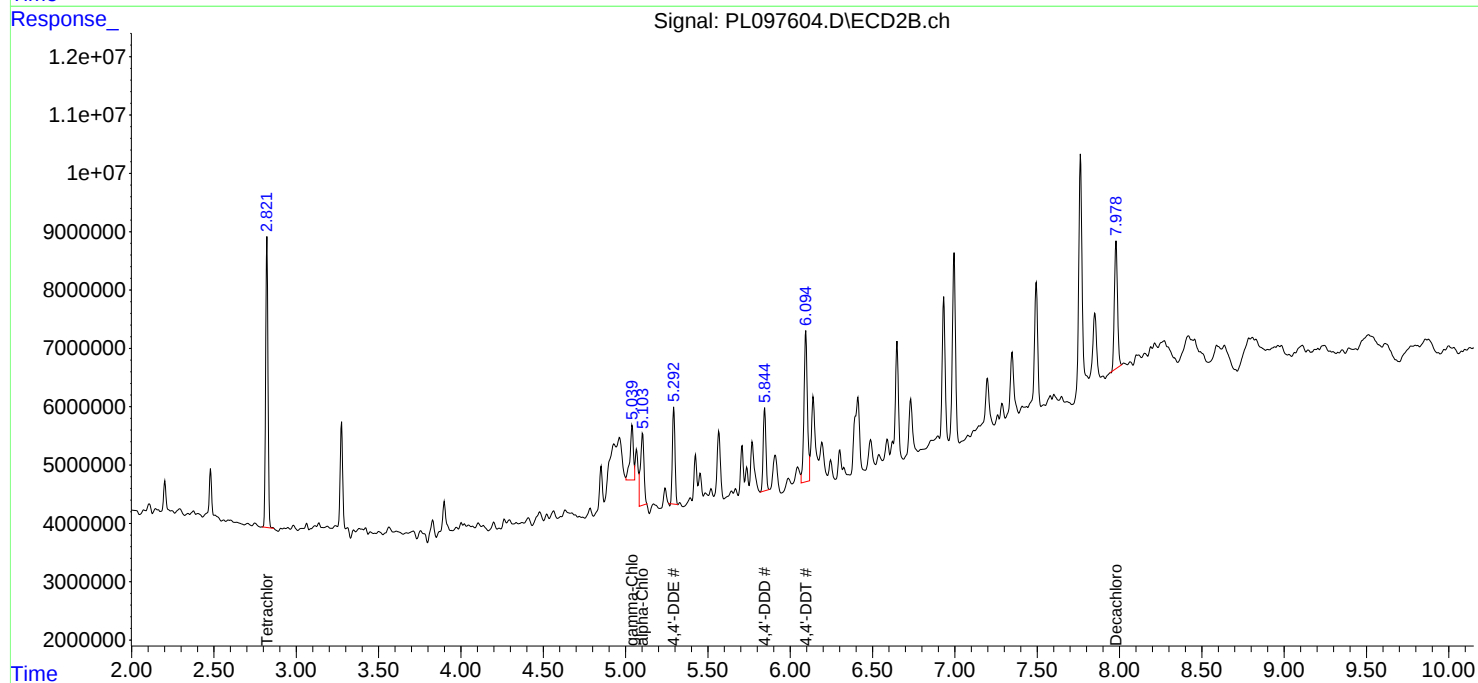
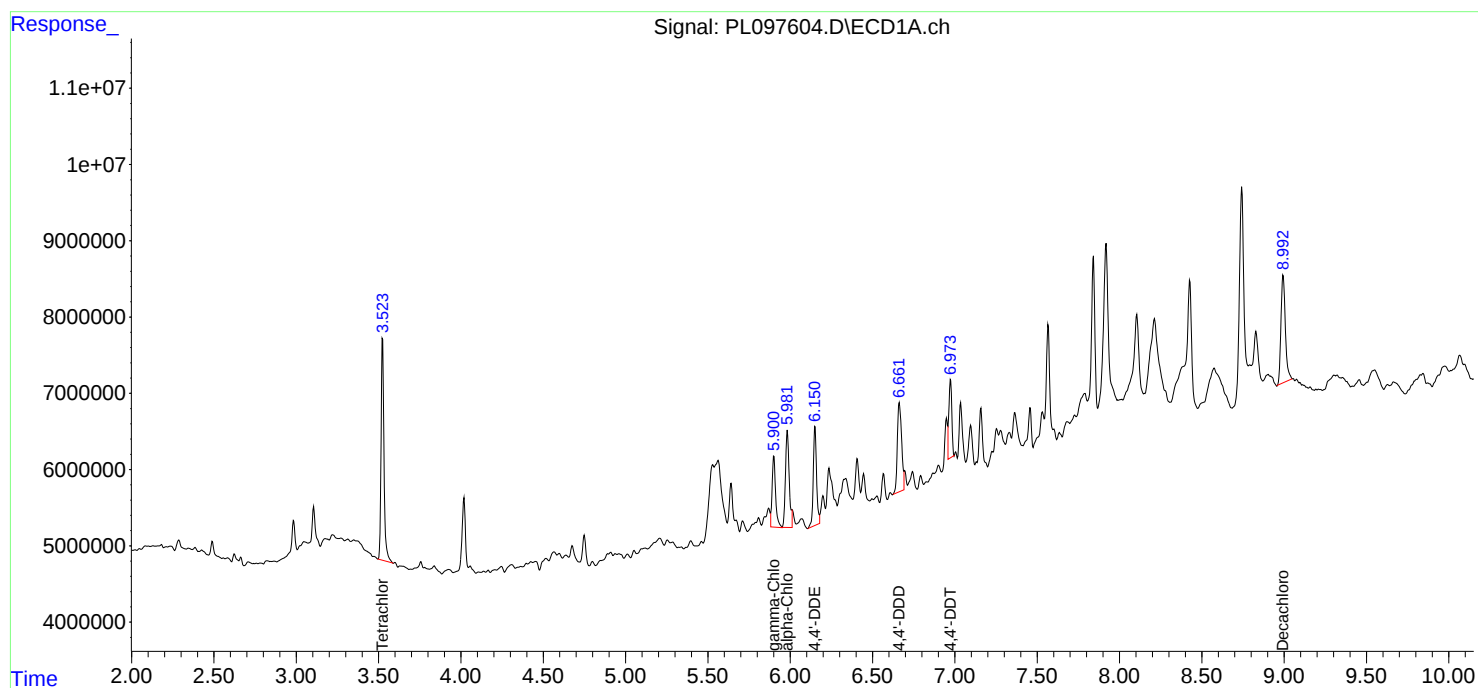
Instrument :
ECD_L
ClientSampleId :
SS-01-1-2

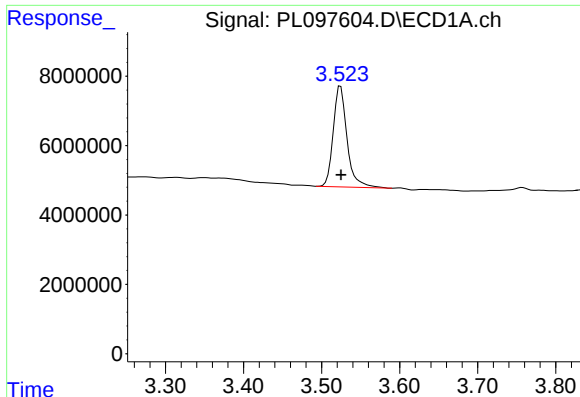
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/15/2025
Supervised By : mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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





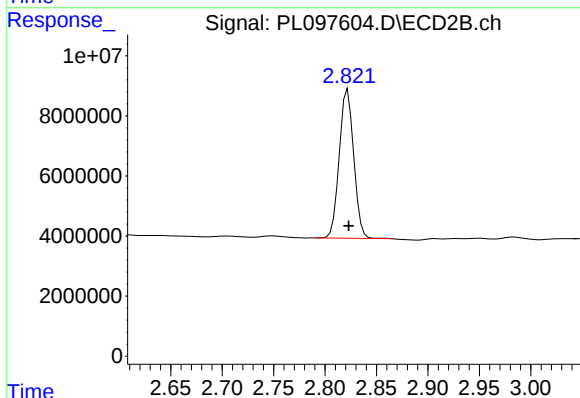
#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: 0.000 min
Response: 35823695
Conc: 8.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-1-2

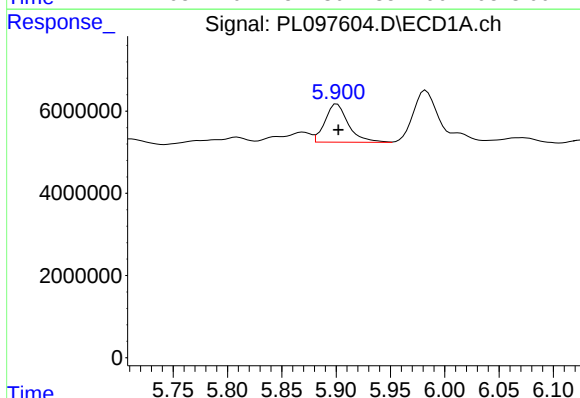
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/14/2025



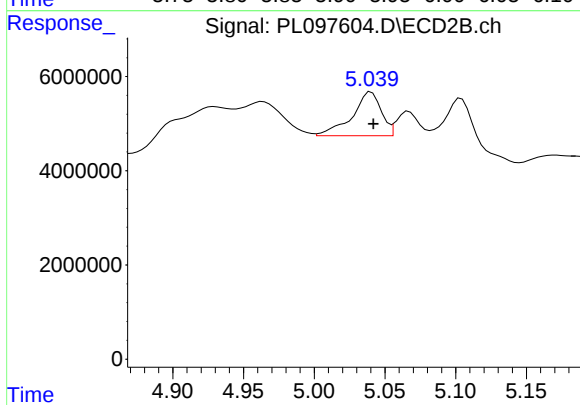
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 48327533
Conc: 7.94 ng/ml



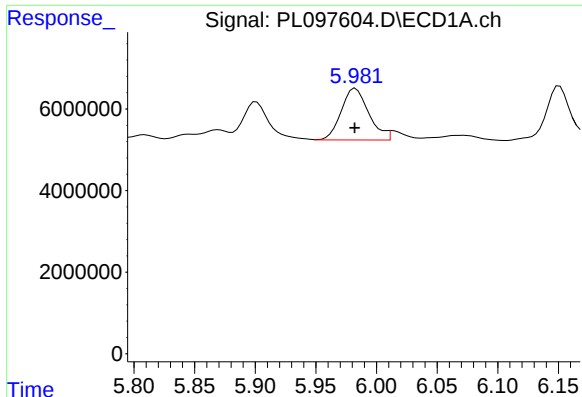
#10 gamma-Chlordane

R.T.: 5.900 min
Delta R.T.: -0.003 min
Response: 13773352
Conc: 2.54 ng/ml m



#10 gamma-Chlordane

R.T.: 5.039 min
Delta R.T.: -0.003 min
Response: 13617961
Conc: 1.57 ng/ml m



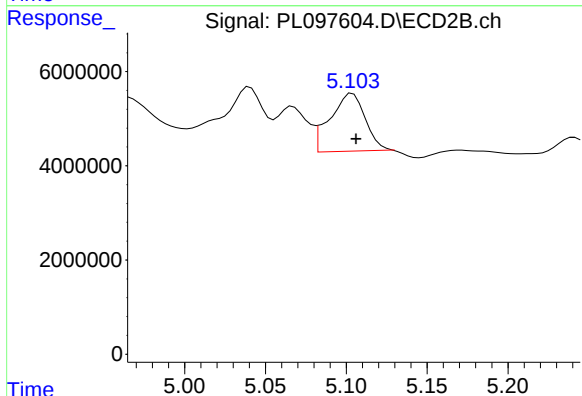
#11 alpha-Chlordane

R.T.: 5.981 min
Delta R.T.: 0.000 min
Response: 19743305
Conc: 3.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-1-2

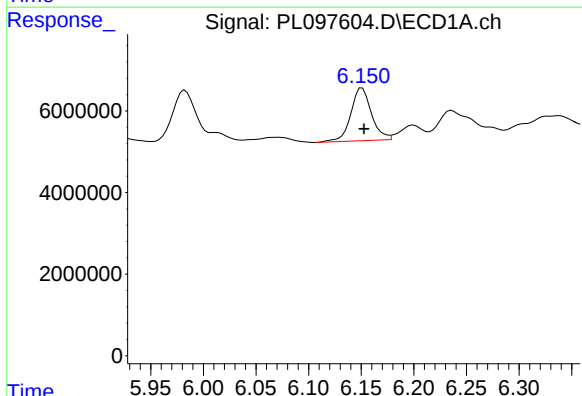
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/14/2025



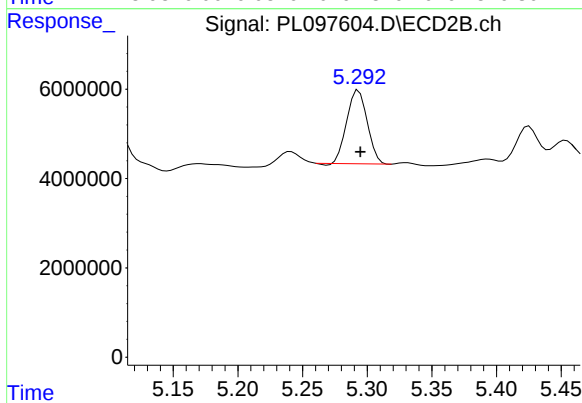
#11 alpha-Chlordane

R.T.: 5.103 min
Delta R.T.: -0.004 min
Response: 18121180
Conc: 2.18 ng/ml m



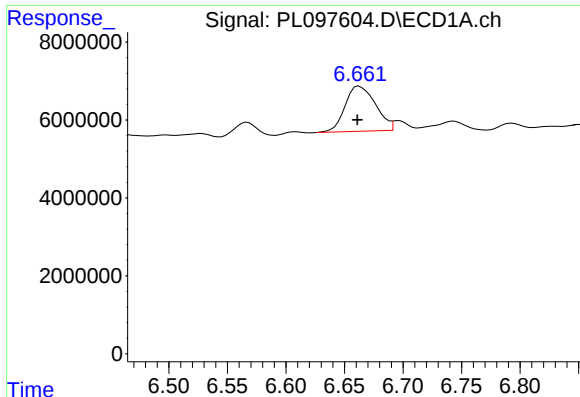
#12 4,4'-DDE

R.T.: 6.151 min
Delta R.T.: -0.002 min
Response: 17713811
Conc: 3.80 ng/ml



#12 4,4'-DDE

R.T.: 5.293 min
Delta R.T.: -0.001 min
Response: 18118036
Conc: 2.39 ng/ml



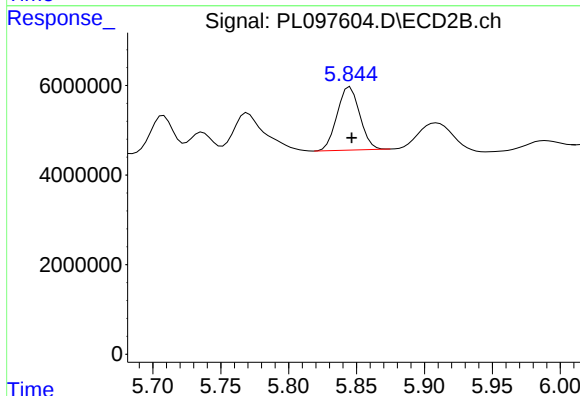
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 20791683
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-1-2

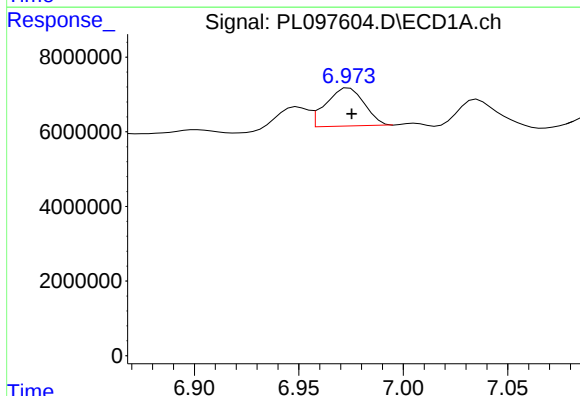
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/14/2025



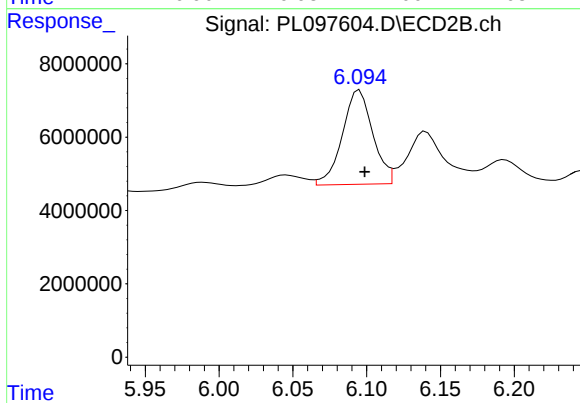
#16 4,4'-DDD

R.T.: 5.844 min
Delta R.T.: -0.003 min
Response: 16429021
Conc: 2.58 ng/ml m



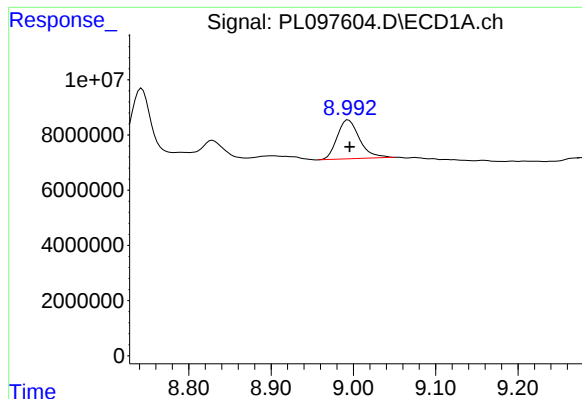
#17 4,4'-DDT

R.T.: 6.973 min
Delta R.T.: -0.003 min
Response: 12688886
Conc: 3.13 ng/ml m



#17 4,4'-DDT

R.T.: 6.094 min
Delta R.T.: -0.005 min
Response: 36709063
Conc: 5.51 ng/ml m



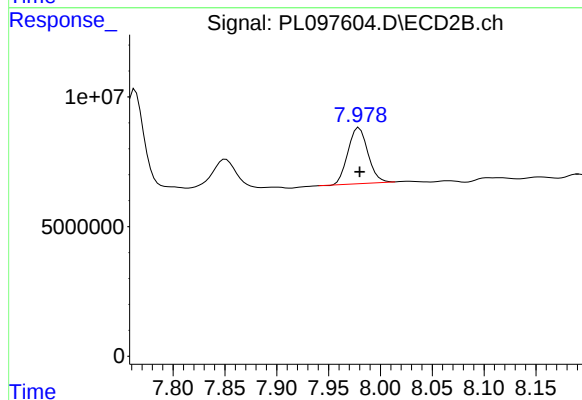
#28 Decachlorobiphenyl

R.T.: 8.992 min
Delta R.T.: -0.003 min
Response: 26560194
Conc: 8.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-1-2

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/14/2025



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 28891516
Conc: 5.57 ng/ml

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-2-3	SDG No.:	Q3310
Lab Sample ID:	Q3310-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	75.1 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
PL097606.D	1	10/10/25 09:06	10/10/25 15:19	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.17	U	0.17	2.30	ug/kg
319-85-7	beta-BHC	0.24	U	0.24	2.30	ug/kg
319-86-8	delta-BHC	0.52	U	0.52	2.30	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	2.30	ug/kg
76-44-8	Heptachlor	0.16	U	0.16	2.30	ug/kg
309-00-2	Aldrin	0.16	U	0.16	2.30	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	2.30	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	2.30	ug/kg
60-57-1	Dieldrin	0.19	U	0.19	2.30	ug/kg
72-55-9	4,4-DDE	0.30	J	0.19	2.30	ug/kg
72-20-8	Endrin	0.19	U	0.19	2.30	ug/kg
33213-65-9	Endosulfan II	0.39	U	0.39	2.30	ug/kg
72-54-8	4,4-DDD	0.20	U	0.20	2.30	ug/kg
1031-07-8	Endosulfan Sulfate	0.44	JP	0.17	2.30	ug/kg
50-29-3	4,4-DDT	0.47	J	0.19	2.30	ug/kg
72-43-5	Methoxychlor	0.49	U	0.49	2.30	ug/kg
53494-70-5	Endrin ketone	0.25	U	0.25	2.30	ug/kg
7421-93-4	Endrin aldehyde	0.49	U	0.49	2.30	ug/kg
5103-71-9	alpha-Chlordane	0.17	J	0.16	2.30	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	2.30	ug/kg
8001-35-2	Toxaphene	7.20	U	7.20	43.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.88		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.5		19 - 148	53%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-2-3		SDG No.:	Q3310	
Lab Sample ID:	Q3310-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	75.1	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
PL097606.D	1	10/10/25 09:06	10/10/25 15:19	PB170054

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\PL101025\
 Data File : PL097606.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 15:19
 Operator : AR\AJ
 Sample : Q3310-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SS-01-2-3

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/13/2025
 Supervised By : mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:20:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 2025
 Response via : Initial 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...	3.525	2.823	42939419	56389532	10.533	9.265
2) SA Decachlor...	8.992	7.979	26400113	30112975	8.878m	5.803 #
Target Compounds						
11) B alpha-Chl...	5.982	5.102	2040223	2494371	0.376m	0.300m
12) B 4,4'-DDE	6.153	5.291	3132475	4287656	0.673m	0.565m
17) MA 4,4'-DDT	6.974	6.095	3867126	7148208	0.954m	1.073
19) B Endosulfa...	7.096	6.393	3979624	3283731	0.992m	0.493m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 15:19
Operator : AR\AJ
Sample : Q3310-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

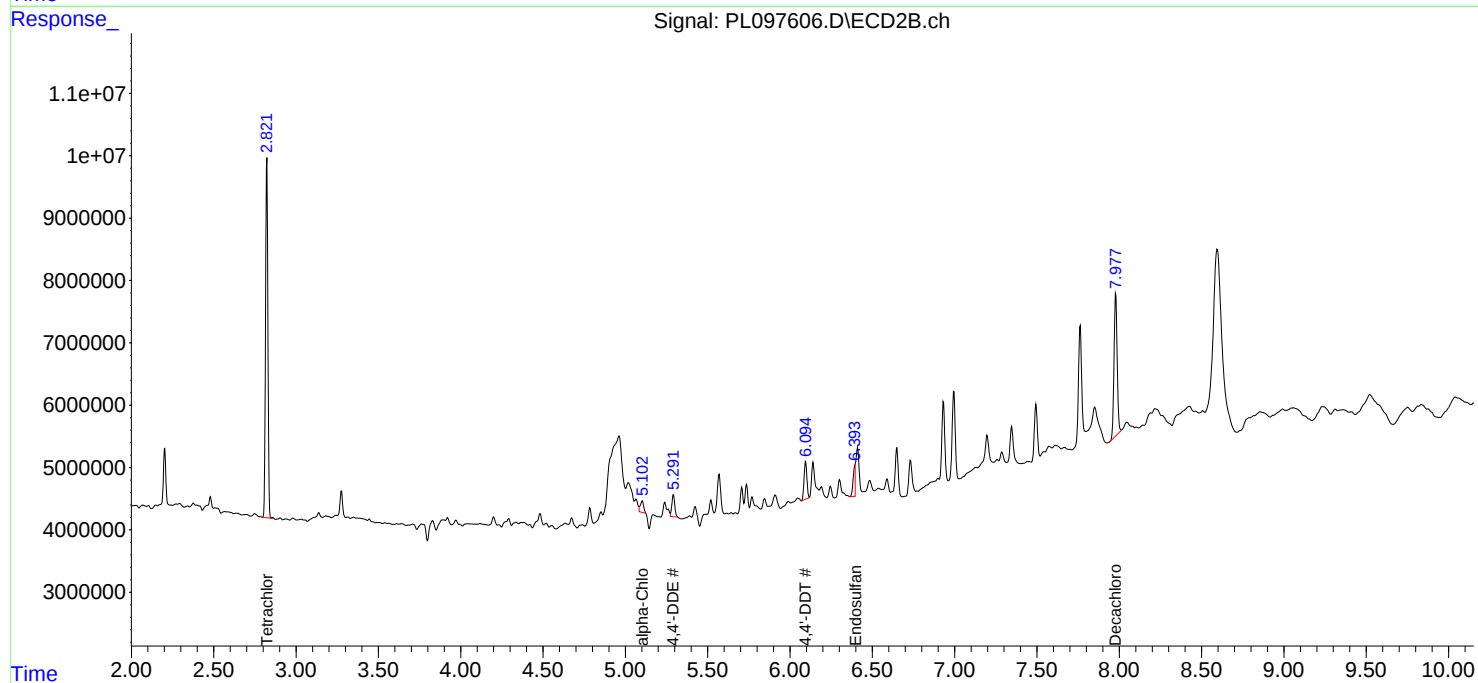
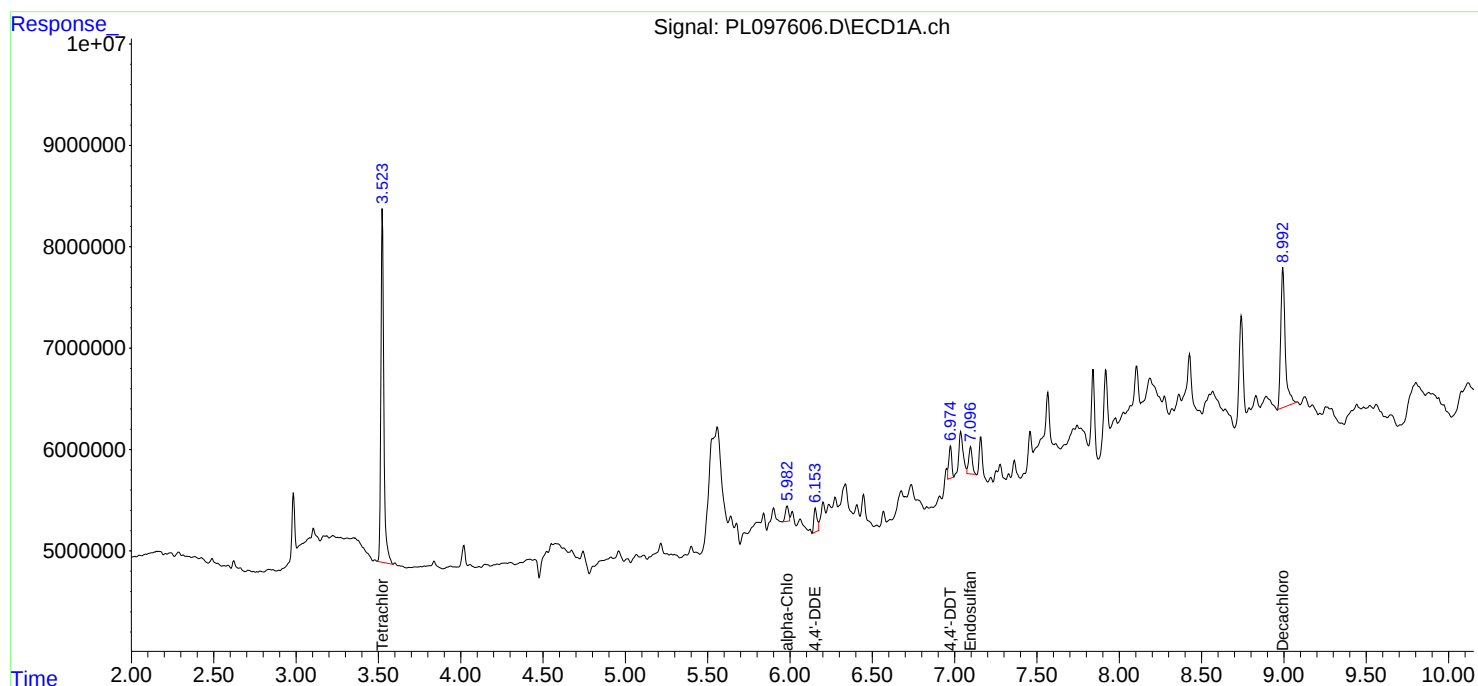
Instrument :
ECD_L
ClientSampleId :
SS-01-2-3

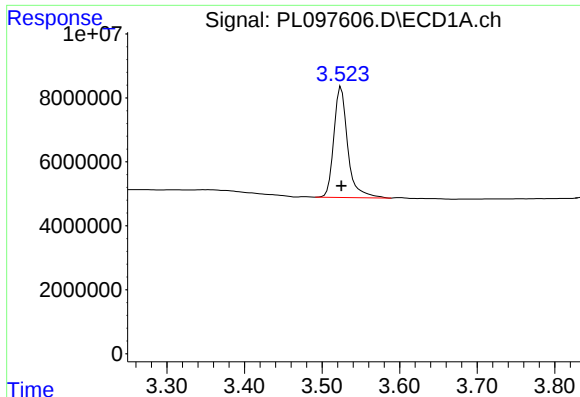
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:20:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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





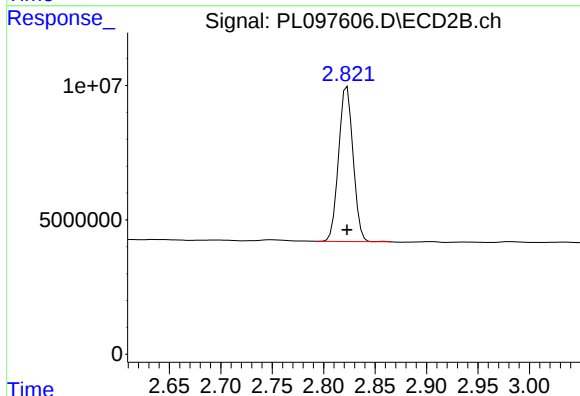
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 42939419
Conc: 10.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-2-3

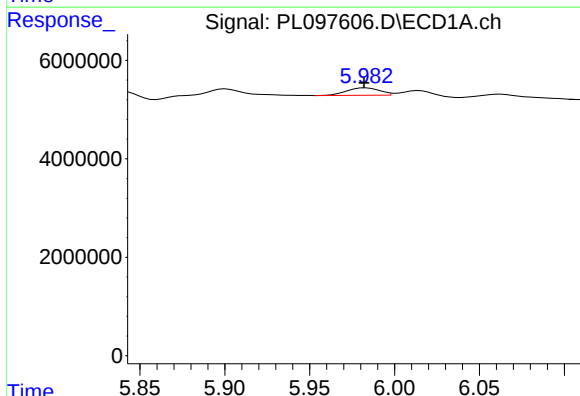
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



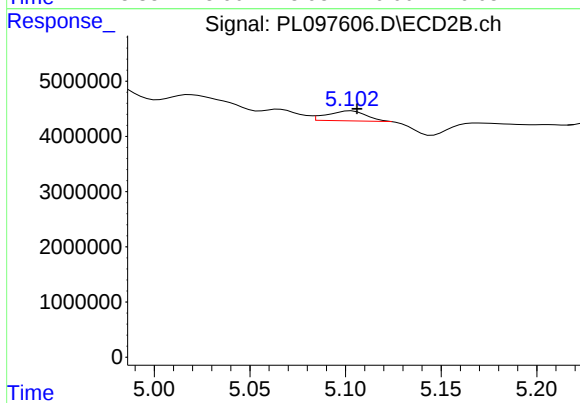
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 56389532
Conc: 9.26 ng/ml



#11 alpha-Chlordane

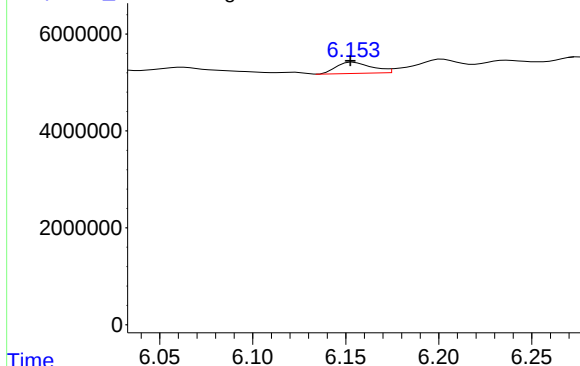
R.T.: 5.982 min
Delta R.T.: 0.000 min
Response: 2040223
Conc: 0.38 ng/ml m



#11 alpha-Chlordane

R.T.: 5.102 min
Delta R.T.: -0.004 min
Response: 2494371
Conc: 0.30 ng/ml m

Response_ Signal: PL097606.D\ECD1A.ch



#12 4,4'-DDE

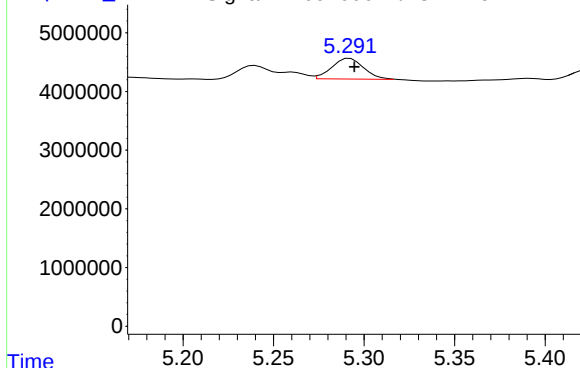
R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 3132475
Conc: 0.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-2-3

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/14/2025

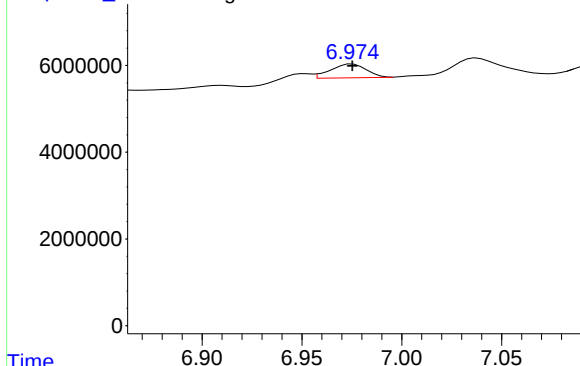
Response_ Signal: PL097606.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.291 min
Delta R.T.: -0.004 min
Response: 4287656
Conc: 0.56 ng/ml m

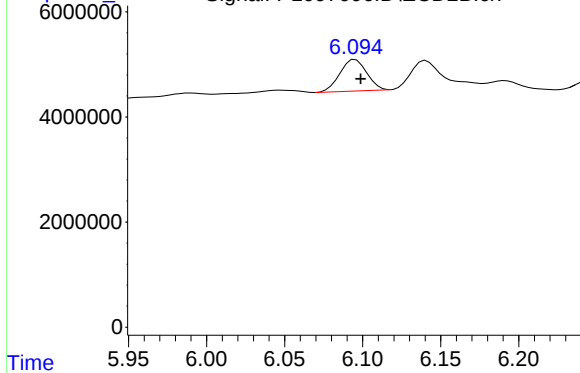
Response_ Signal: PL097606.D\ECD1A.ch



#17 4,4'-DDT

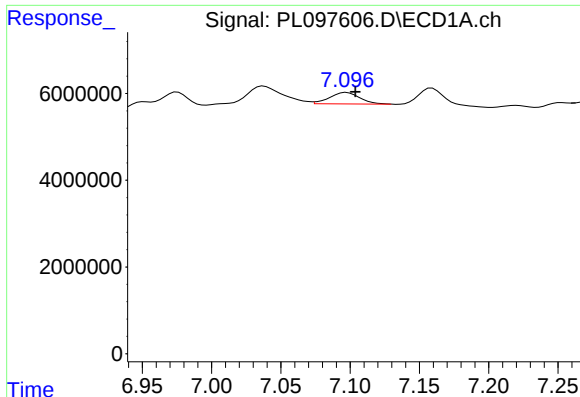
R.T.: 6.974 min
Delta R.T.: -0.001 min
Response: 3867126
Conc: 0.95 ng/ml m

Response_ Signal: PL097606.D\ECD2B.ch



#17 4,4'-DDT

R.T.: 6.095 min
Delta R.T.: -0.003 min
Response: 7148208
Conc: 1.07 ng/ml



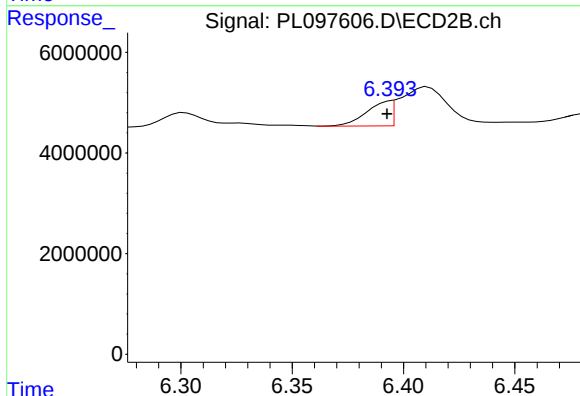
#19 Endosulfan Sulfate

R.T.: 7.096 min
Delta R.T.: -0.008 min
Response: 3979624
Conc: 0.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-2-3

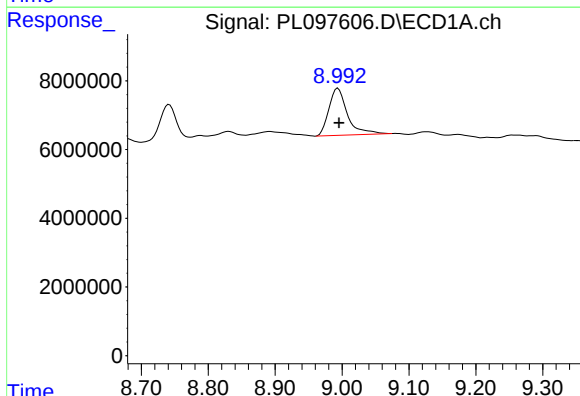
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/14/2025



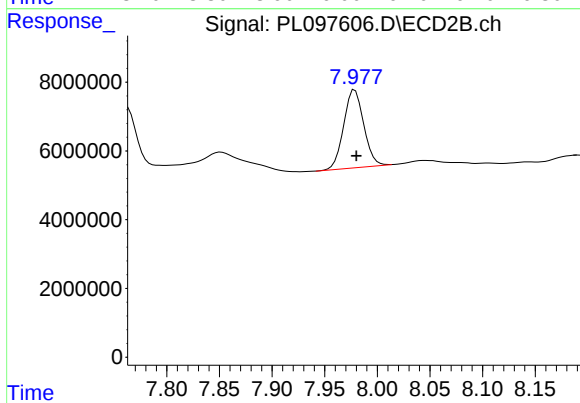
#19 Endosulfan Sulfate

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 3283731
Conc: 0.49 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.992 min
Delta R.T.: -0.003 min
Response: 26400113
Conc: 8.88 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: -0.002 min
Response: 30112975
Conc: 5.80 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>LANG01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3310</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
		Calibration Times:	<u>10:33</u> <u>11:55</u>

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

LAB FILE ID:	RT 100 = <u>PL097526.D</u>	RT 075 = <u>PL097527.D</u>
RT 050 = <u>PL097528.D</u>	RT 025 = <u>PL097529.D</u>	RT 005 = <u>PL097530.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
4,4'-DDE	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
4,4'-DDT	6.98	6.98	6.98	6.98	6.98	6.97	6.87	7.07
Aldrin	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
alpha-BHC	3.97	3.97	3.97	3.97	3.97	3.97	3.87	4.07
alpha-Chlordane	5.98	5.98	5.98	5.98	5.98	5.98	5.88	6.08
beta-BHC	4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Decachlorobiphenyl	9.00	9.00	9.00	9.00	9.00	9.00	8.90	9.10
delta-BHC	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Dieldrin	6.30	6.30	6.30	6.30	6.30	6.30	6.20	6.40
Endosulfan I	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Endosulfan II	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Endosulfan sulfate	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Endrin	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Endrin aldehyde	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Endrin ketone	7.58	7.58	7.58	7.58	7.58	7.58	7.48	7.68
gamma-BHC (Lindane)	4.30	4.30	4.30	4.30	4.30	4.30	4.20	4.40
gamma-Chlordane	5.90	5.90	5.90	5.90	5.90	5.90	5.80	6.00
Heptachlor	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Heptachlor epoxide	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Methoxychlor	7.45	7.45	7.45	7.45	7.45	7.45	7.35	7.55
Tetrachloro-m-xylene	3.53	3.52	3.53	3.53	3.53	3.52	3.42	3.62

Calibration Times: **10:33** **11:55**

LAB FILE ID:	RT 100 =	<u>PL097526.D</u>	RT 075 =	<u>PL097527.D</u>
	RT 050 =	PL097528.D	RT 025 =	PL097529.D
			RT 005 =	PL097530.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: LANG01
SDG NO.: Q3310
Calibration Date(s): 10/07/2025 10/07/2025
Calibration Times: 10:33 11:55

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

LAB FILE ID:		CF 100 =	<u>PL097526.D</u>	CF 075 =	<u>PL097527.D</u>		
CF 050 =		<u>PL097528.D</u>	CF 025 =	<u>PL097529.D</u>	CF 005 =	<u>PL097530.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3783520000	3735790000	3836440000	3741690000	3770050000	3773500000	1
4,4'-DDE	4769720000	4759010000	4659840000	4581780000	4515640000	4657200000	2
4,4'-DDT	4158660000	4086470000	4066920000	4052430000	3909040000	4054710000	2
Aldrin	6100180000	6021960000	5978240000	6004420000	5958610000	6012680000	1
alpha-BHC	7057770000	6888230000	6778270000	6677840000	6326260000	6745680000	4
alpha-Chlordane	5353290000	5303430000	5334480000	5467810000	5673330000	5426470000	3
beta-BHC	2559030000	2540680000	2560440000	2620670000	2646530000	2585470000	2
Decachlorobiphenyl	2806950000	2848090000	2915160000	3035350000	3262730000	2973660000	6
delta-BHC	6161670000	6066620000	6020720000	6020370000	6093700000	6072620000	1
Dieldrin	5325080000	5250780000	5231620000	5259220000	5235730000	5260490000	1
Endosulfan I	4917900000	4878480000	4901240000	5022330000	5137180000	4971420000	2
Endosulfan II	4422070000	4556670000	4577300000	4802660000	6101860000	4892110000	14
Endosulfan sulfate	3911300000	3900330000	3938060000	4073730000	4226080000	4009900000	3
Endrin	4509120000	4507230000	4463320000	4443310000	4448560000	4474310000	1
Endrin aldehyde	3165060000	3153360000	3209030000	3315700000	3540440000	3276720000	5
Endrin ketone	4226710000	4197910000	4228440000	4385050000	4370480000	4281720000	2
gamma-BHC (Lindane)	6564350000	6445110000	6376450000	6329620000	6065990000	6356310000	3
gamma-Chlordane	5429110000	5433580000	5370180000	5512260000	5391960000	5427420000	1
Heptachlor	6459360000	6362530000	6415150000	6555100000	6461320000	6450690000	1
Heptachlor epoxide	5410720000	5607600000	5590350000	5882200000	6620370000	5822250000	8
Methoxychlor	1993250000	2095700000	2001910000	2102020000	2252130000	2089000000	5
Tetrachloro-m-xylene	4057850000	4039070000	4058380000	4076200000	4152120000	4076720000	1



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: LANG01
SDG NO.: Q3310

Calibration Date(s): 10/07/2025 10/07/2025
Calibration Times: 10:33 11:55

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

LAB FILE ID:		CF 100 =	<u>PL097526.D</u>	CF 075 =	<u>PL097527.D</u>		
CF 050 =		<u>PL097528.D</u>	CF 025 =	<u>PL097529.D</u>	CF 005 =	<u>PL097530.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	6363530000	6423620000	6340540000	6352240000	6414460000	6378880000	1
4,4'-DDE	7768680000	7645780000	7550200000	7588550000	7409020000	7592450000	2
4,4'-DDT	6841050000	6803500000	6637840000	6652330000	6382250000	6663390000	3
Aldrin	8766150000	8705210000	8635070000	8657680000	8595010000	8671830000	1
alpha-BHC	10279400000	10079800000	9958260000	9819180000	9198160000	9866970000	4
alpha-Chlordane	8144420000	8211300000	8127490000	8435120000	8717860000	8327240000	3
beta-BHC	3856560000	3825760000	3870120000	4044470000	4293830000	3978150000	5
Decachlorobiphenyl	4790770000	4878130000	4964040000	5287180000	6025240000	5189070000	10
delta-BHC	9345060000	9200770000	9073180000	9002200000	8548720000	9033990000	3
Dieldrin	8065300000	8399370000	8165250000	8096170000	8615460000	8268310000	3
Endosulfan I	7264600000	6965080000	7193960000	7596220000	7851830000	7374340000	5
Endosulfan II	6727550000	6799990000	6773690000	7041530000	7182230000	6905000000	3
Endosulfan sulfate	6373610000	6493820000	6492610000	6787240000	7141880000	6657830000	5
Endrin	7139620000	7398350000	7208020000	7256580000	8004750000	7401460000	5
Endrin aldehyde	5031190000	5120350000	5235930000	5694060000	7710960000	5758500000	19
Endrin ketone	7064800000	8038380000	7654960000	7625480000	9115720000	7899870000	10
gamma-BHC (Lindane)	9445390000	9303450000	9218050000	9168550000	8800820000	9187250000	3
gamma-Chlordane	8467390000	8545470000	8460560000	8844200000	9148230000	8693170000	3
Heptachlor	9131850000	9119150000	9130340000	9236480000	9343400000	9192240000	1
Heptachlor epoxide	7728450000	7679940000	7764190000	7977750000	8339470000	7897960000	3
Methoxychlor	3422660000	3497520000	3535950000	3751710000	4018250000	3645220000	7
Tetrachloro-m-xylene	6022720000	5973970000	5995720000	6061780000	6377890000	6086420000	3



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
Instrument ID: ECD_L **Date(s) Analyzed:** 10/07/2025 10/07/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.20	6.10	6.30	39237900
		2	6.60	6.50	6.70	31957100
		3	7.01	6.91	7.11	141164000
		4	7.10	7.00	7.20	103403000
		5	7.88	7.78	7.98	74016500



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG NO.: Q3310

Instrument ID: ECD_L Date(s) Analyzed: 10/07/2025 10/07/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.06	4.96	5.16	43648800
		2	5.75	5.65	5.85	54814100
		3	6.03	5.93	6.13	56569500
		4	6.66	6.56	6.76	172263000
		5	7.10	7.00	7.20	104730000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097526.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 10:33
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 11:27:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 11:25:02 2025
 Response via : Initial 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...	3.525	2.822	405.8E6	602.3E6	99.993	100.225
2)	SA Decachlor...	8.995	7.980	280.7E6	479.1E6	98.109	98.224
Target Compounds							
2)	A alpha-BHC	3.971	3.327	705.8E6	1027.9E6	102.020	101.587
3)	MA gamma-BHC...	4.299	3.659	656.4E6	944.5E6	101.452	101.218
4)	MA Heptachlor	4.890	4.006	645.9E6	913.2E6	100.343	100.008
5)	MB Aldrin	5.229	4.288	610.0E6	876.6E6	101.010	100.753
6)	B beta-BHC	4.487	3.955	255.9E6	385.7E6	99.972	99.825
7)	B delta-BHC	4.732	4.187	616.2E6	934.5E6	101.157	101.476
8)	B Heptachlo...	5.648	4.790	541.1E6	772.8E6	98.367	99.769
9)	A Endosulfan I	6.029	5.161	491.8E6	726.5E6	100.170	100.489
10)	B gamma-Chl...	5.902	5.042	542.9E6	846.7E6	100.546	100.040
11)	B alpha-Chl...	5.982	5.106	535.3E6	814.4E6	100.176	100.104
12)	B 4,4'-DDE	6.152	5.294	477.0E6	776.9E6	101.165	101.426
13)	MA Dieldrin	6.302	5.425	532.5E6	806.5E6	100.885	99.384
14)	MA Endrin	6.528	5.699	450.9E6	714.0E6	100.510	99.523
15)	B Endosulfa...	6.741	5.991	442.2E6	672.8E6	98.275	99.658
16)	A 4,4'-DDD	6.661	5.846	378.4E6	636.4E6	99.305	100.181
17)	MA 4,4'-DDT	6.975	6.099	415.9E6	684.1E6	101.115	101.508
18)	B Endrin al...	6.870	6.169	316.5E6	503.1E6	99.310	98.006
19)	B Endosulfa...	7.104	6.393	391.1E6	637.4E6	99.659	99.075
20)	A Methoxychlor	7.448	6.671	199.3E6	342.3E6	99.783	98.372
21)	B Endrin ke...	7.583	6.897	422.7E6	706.5E6	99.979	95.991
22)	Mirex	8.060	7.085	285.5E6	487.6E6	97.441	97.818

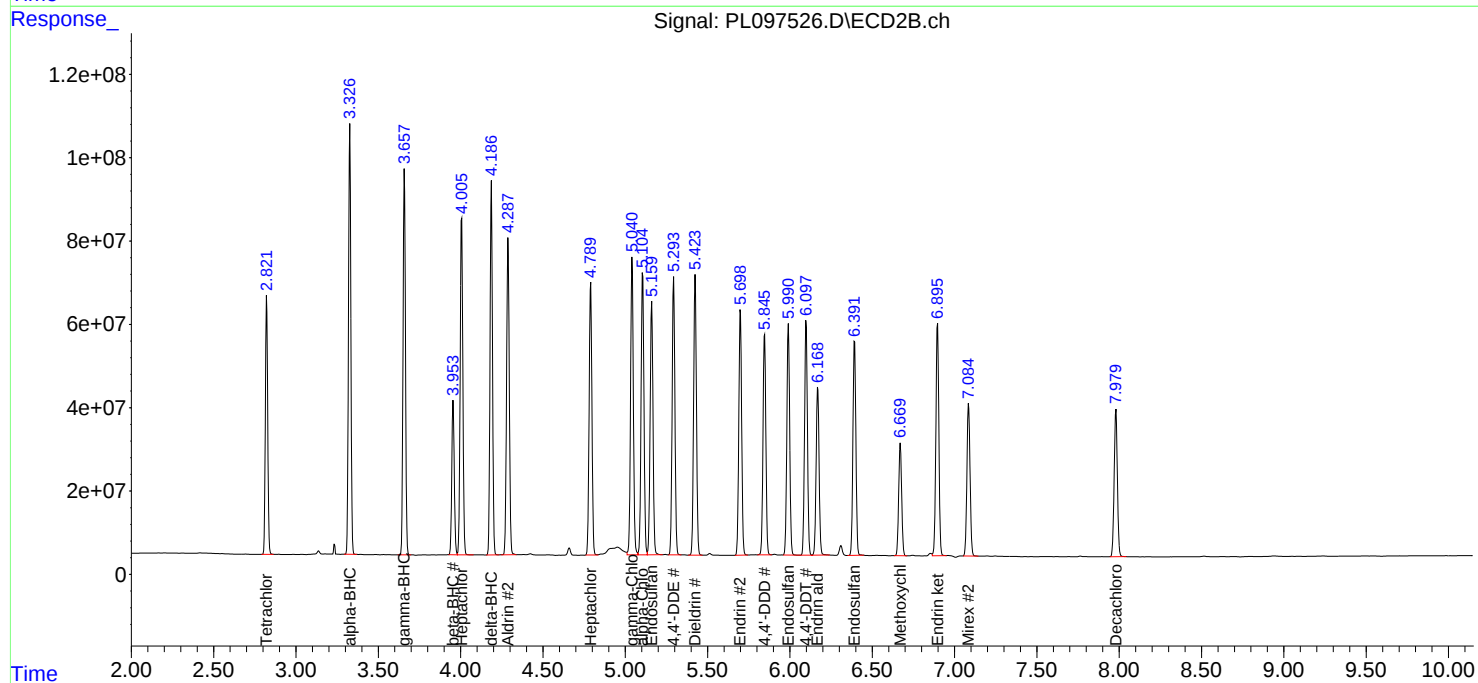
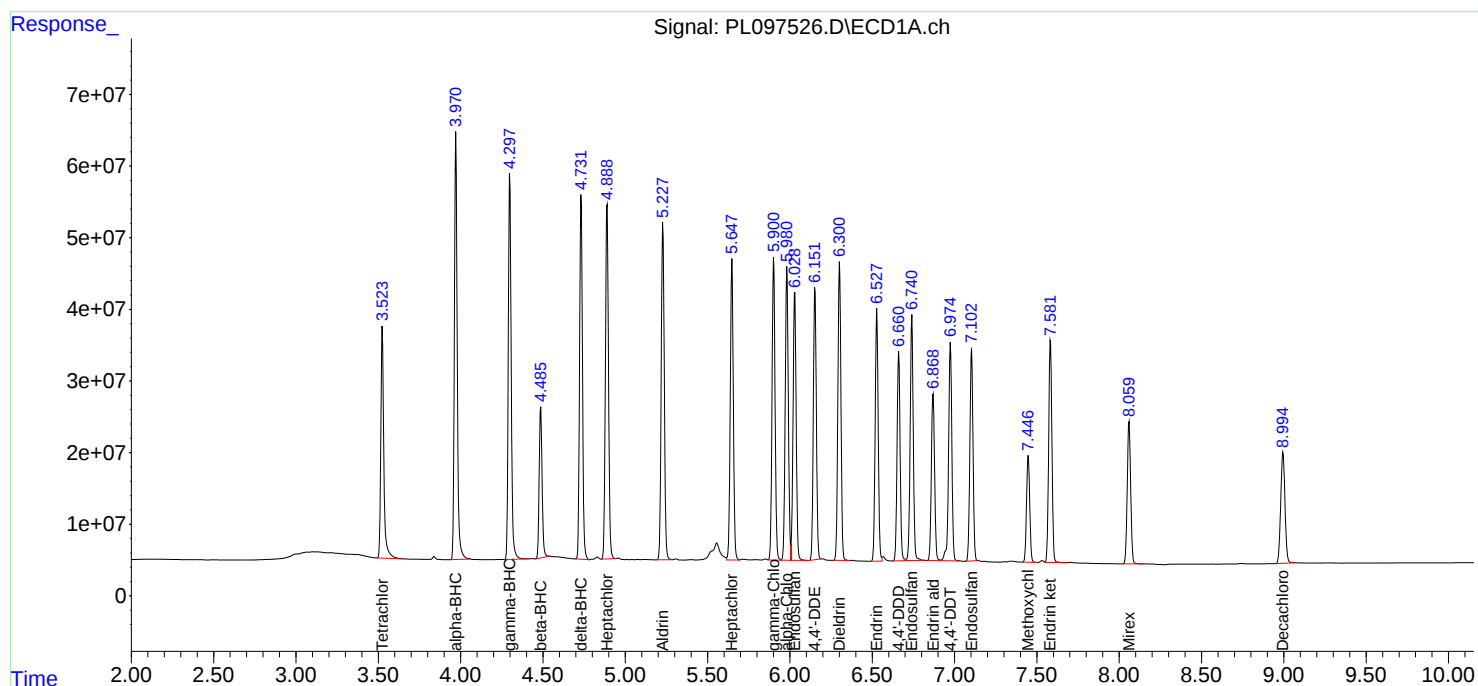
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097526.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:33
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:27:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 11:25:02 2025
Response via : Initial 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\PL100725\
 Data File : PL097527.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 10:47
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC075

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 11:30:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 11:25:02 2025
 Response via : Initial 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...	3.524	2.822	302.9E6	448.0E6	74.765	74.706
28)	SA Decachlor...	8.996	7.980	213.6E6	365.9E6	74.773	75.007
Target Compounds							
2)	A alpha-BHC	3.971	3.327	516.6E6	756.0E6	74.784	74.807
3)	MA gamma-BHC...	4.299	3.659	483.4E6	697.8E6	74.804	74.848
4)	MA Heptachlor	4.890	4.006	477.2E6	683.9E6	74.417	74.935
5)	MB Aldrin	5.229	4.288	451.6E6	652.9E6	74.857	75.026
6)	B beta-BHC	4.487	3.955	190.6E6	286.9E6	74.627	74.512
7)	B delta-BHC	4.732	4.187	455.0E6	690.1E6	74.798	74.955
8)	B Heptachlo...	5.646	4.790	420.6E6	576.0E6	75.990m	74.570
9)	A Endosulfan I	6.028	5.161	365.9E6	522.4E6	74.442m	73.150
10)	B gamma-Chl...	5.901	5.042	407.5E6	640.9E6	75.493m	75.480
11)	B alpha-Chl...	5.980	5.106	397.8E6	615.8E6	74.338m	75.462
12)	B 4,4'-DDE	6.153	5.294	356.9E6	573.4E6	75.468	74.911
13)	MA Dieldrin	6.302	5.425	393.8E6	630.0E6	74.738	76.730
14)	MA Endrin	6.526	5.700	338.0E6	554.9E6	75.358m	76.549
15)	B Endosulfa...	6.742	5.992	341.8E6	510.0E6	75.631	75.365
16)	A 4,4'-DDD	6.660	5.847	280.2E6	481.8E6	73.939m	75.561
17)	MA 4,4'-DDT	6.975	6.099	306.5E6	510.3E6	74.679	75.474
18)	B Endrin al...	6.870	6.170	236.5E6	384.0E6	74.470	74.871
19)	B Endosulfa...	7.104	6.393	292.5E6	487.0E6	74.689	75.470
20)	A Methoxychlor	7.447	6.670	157.2E6	262.3E6	77.591m	75.261
21)	B Endrin ke...	7.583	6.897	314.8E6	602.9E6	74.648	79.472
22)	Mirex	8.061	7.086	217.5E6	373.6E6	74.492	74.976

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097527.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:47
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

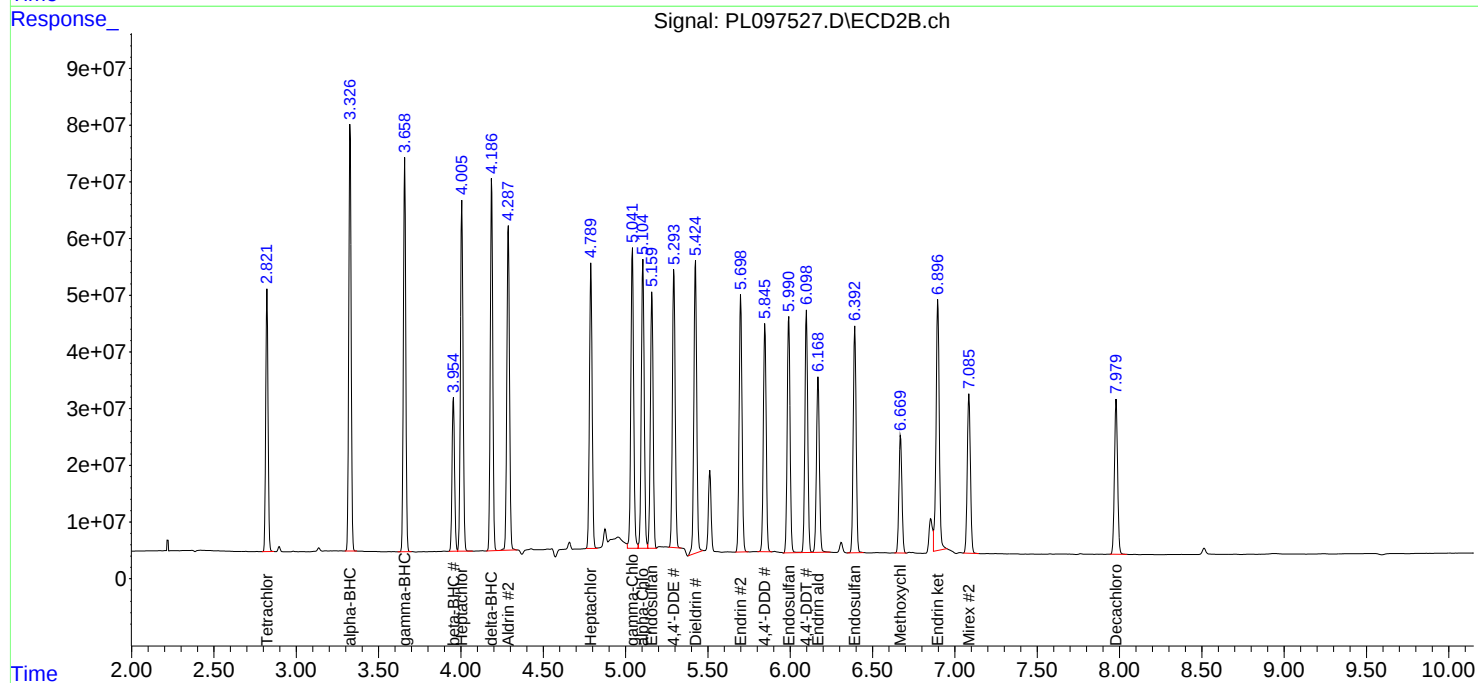
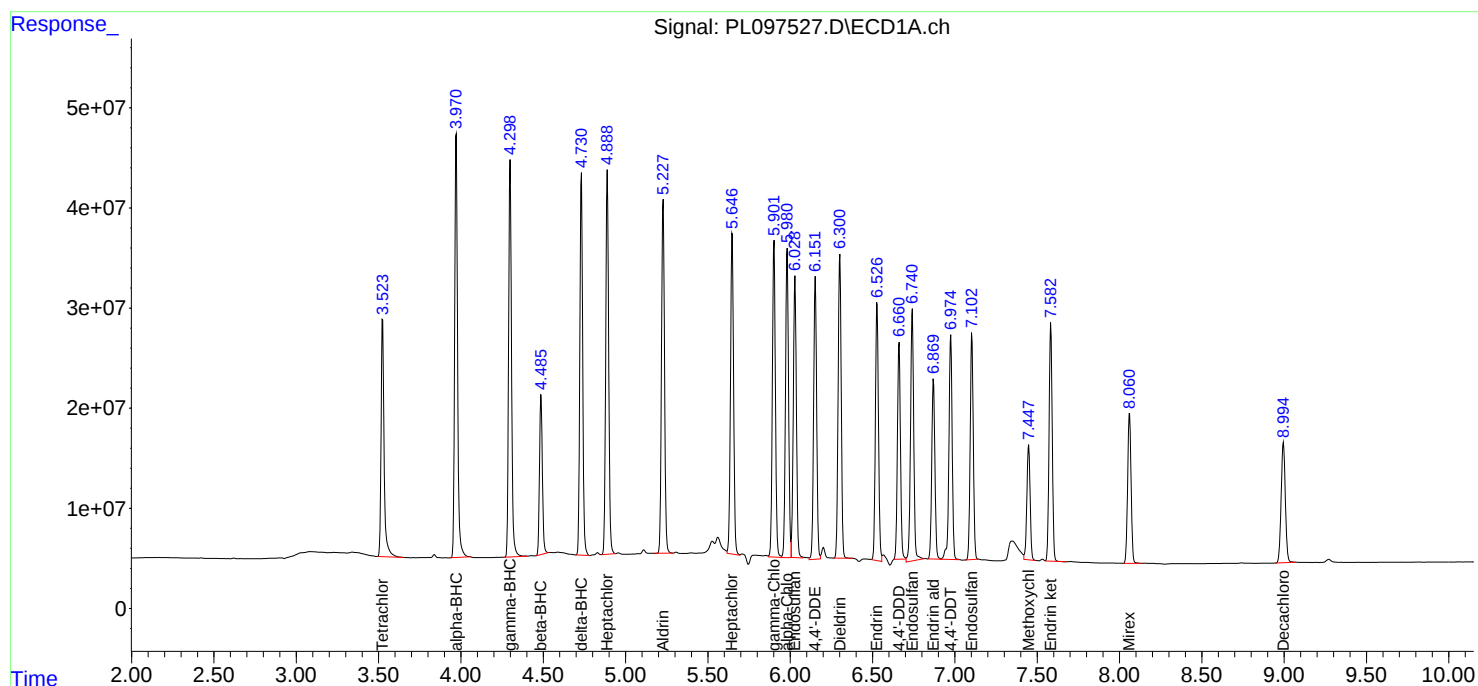
APPROVED

Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:30:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 11:25:02 2025
Response via : Initial 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\PL100725\
 Data File : PL097528.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 11:00
 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: Oct 07 11:25:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 11:25:02 2025
 Response via : Initial 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...	3.525	2.823	202.9E6	299.8E6	50.000	50.000
28)	SA Decachlor...	8.995	7.980	145.8E6	248.2E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.972	3.328	338.9E6	497.9E6	50.000	50.000
3)	MA gamma-BHC...	4.300	3.659	318.8E6	460.9E6	50.000	50.000
4)	MA Heptachlor	4.890	4.007	320.8E6	456.5E6	50.000	50.000
5)	MB Aldrin	5.229	4.288	298.9E6	431.8E6	50.000	50.000
6)	B beta-BHC	4.487	3.955	128.0E6	193.5E6	50.000	50.000
7)	B delta-BHC	4.732	4.187	301.0E6	453.7E6	50.000	50.000
8)	B Heptachlo...	5.648	4.790	279.5E6	388.2E6	50.000	50.000
9)	A Endosulfan I	6.030	5.161	245.1E6	359.7E6	50.000	50.000
10)	B gamma-Chl...	5.902	5.042	268.5E6	423.0E6	50.000	50.000
11)	B alpha-Chl...	5.982	5.106	266.7E6	406.4E6	50.000	50.000
12)	B 4,4'-DDE	6.153	5.295	233.0E6	377.5E6	50.000	50.000
13)	MA Dieldrin	6.302	5.425	261.6E6	408.3E6	50.000	50.000
14)	MA Endrin	6.528	5.699	223.2E6	360.4E6	50.000	50.000
15)	B Endosulfa...	6.741	5.991	228.9E6	338.7E6	50.000	50.000
16)	A 4,4'-DDD	6.661	5.846	191.8E6	317.0E6	50.000	50.000
17)	MA 4,4'-DDT	6.975	6.099	203.3E6	331.9E6	50.000	50.000
18)	B Endrin al...	6.871	6.169	160.5E6	261.8E6	50.000	50.000
19)	B Endosulfa...	7.104	6.393	196.9E6	324.6E6	50.000	50.000
20)	A Methoxychlor	7.448	6.671	100.1E6	176.8E6	50.000	50.000
21)	B Endrin ke...	7.583	6.897	211.4E6	382.7E6	50.000	50.000
22)	Mirex	8.061	7.086	150.2E6	254.7E6	50.000	50.000

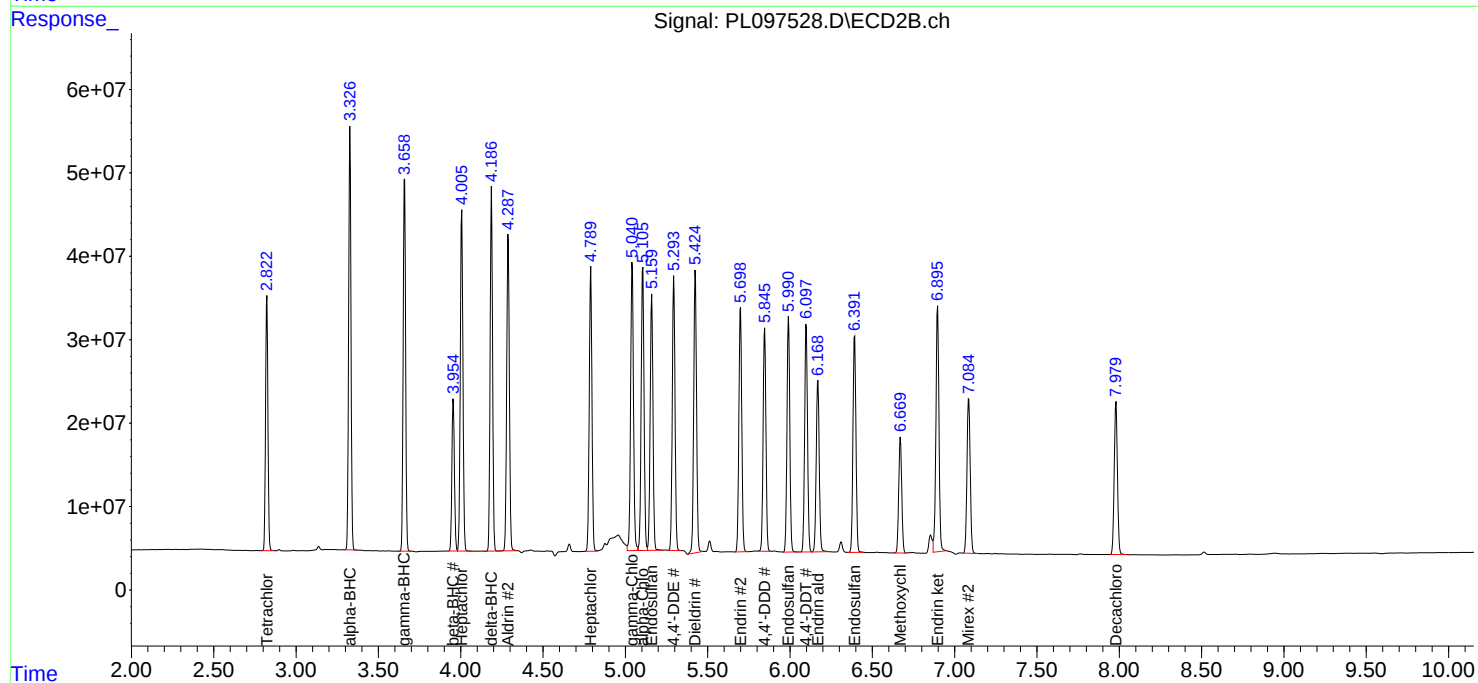
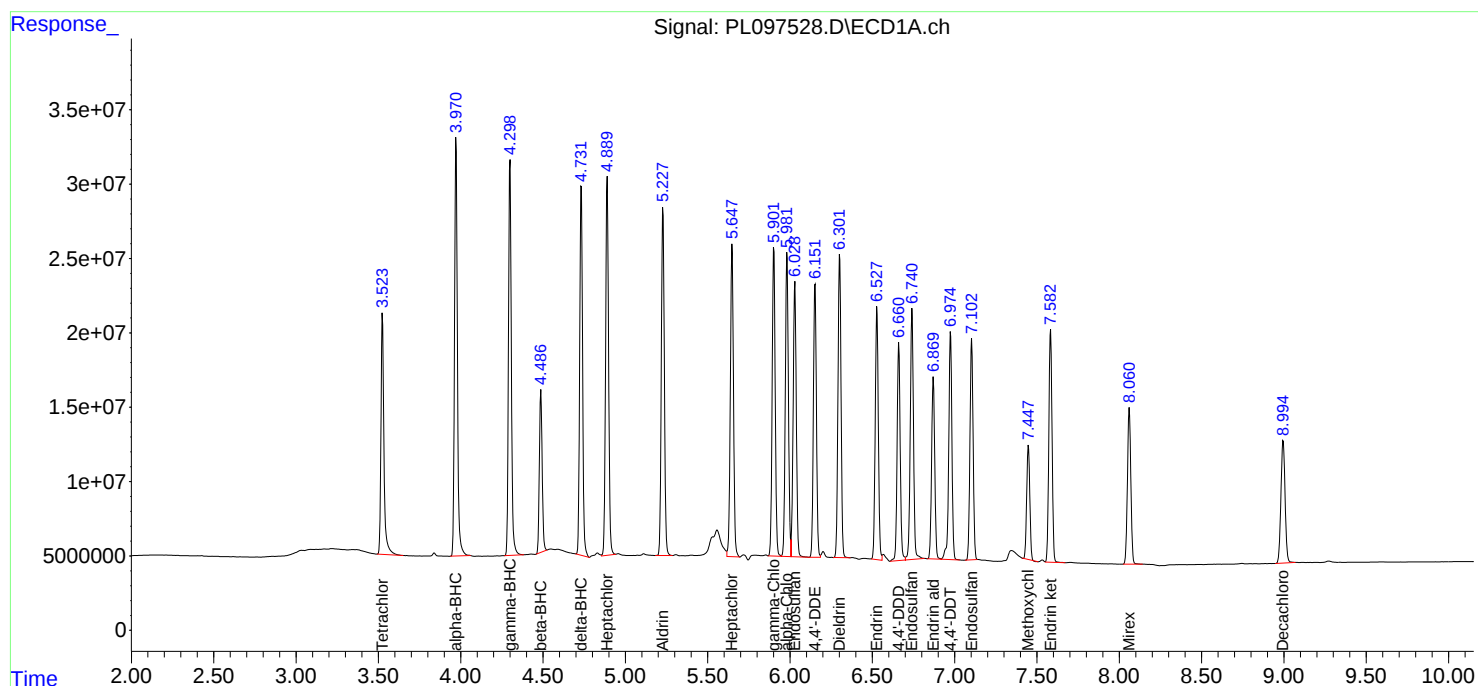
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097528.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:00
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: Oct 07 11:25:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 11:25:02 2025
Response via : Initial 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\PL100725\
 Data File : PL097529.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 11:41
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 11:55:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 11:55:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.525	2.823	101.9E6	151.5E6	25.113	25.201
28)	SA Decachlor...	8.995	7.980	75883634	132.2E6	26.154	26.542
Target Compounds							
2)	A alpha-BHC	3.972	3.327	166.9E6	245.5E6	24.370	24.464
3)	MA gamma-BHC...	4.300	3.659	158.2E6	229.2E6	24.614	24.689
4)	MA Heptachlor	4.890	4.007	163.9E6	230.9E6	25.415	25.224
5)	MB Aldrin	5.229	4.289	150.1E6	216.4E6	24.910	24.904
6)	B beta-BHC	4.487	3.955	65516856	101.1E6	25.491	25.931
7)	B delta-BHC	4.733	4.188	150.5E6	225.1E6	24.806	24.582
8)	B Heptachlo...	5.649	4.790	147.1E6	199.4E6	26.154	25.610
9)	A Endosulfan I	6.030	5.161	125.6E6	189.9E6	25.468	26.176
10)	B gamma-Chl...	5.902	5.042	137.8E6	221.1E6	25.349	25.772
11)	B alpha-Chl...	5.982	5.106	136.7E6	210.9E6	25.480	25.624
12)	B 4,4'-DDE	6.153	5.295	114.5E6	189.7E6	24.410	24.837
13)	MA Dieldrin	6.302	5.425	131.5E6	202.4E6	24.965	24.739
14)	MA Endrin	6.527	5.699	111.1E6	181.4E6	24.790m	25.020
15)	B Endosulfa...	6.741	5.992	120.1E6	176.0E6	26.160	25.753
16)	A 4,4'-DDD	6.661	5.847	93542225	158.8E6	24.784	24.930
17)	MA 4,4'-DDT	6.975	6.099	101.3E6	166.3E6	24.764	24.698
18)	B Endrin al...	6.870	6.170	82892425	142.4E6	25.817	27.010
19)	B Endosulfa...	7.103	6.393	101.8E6	169.7E6	25.745	25.958
20)	A Methoxychlor	7.448	6.670	52550604	93792657	25.657	26.406
21)	B Endrin ke...	7.582	6.897	109.6E6	190.6E6	25.737	25.097
22)	Mirex	8.061	7.086	80257862	137.5E6	26.820	26.901

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097529.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:41
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

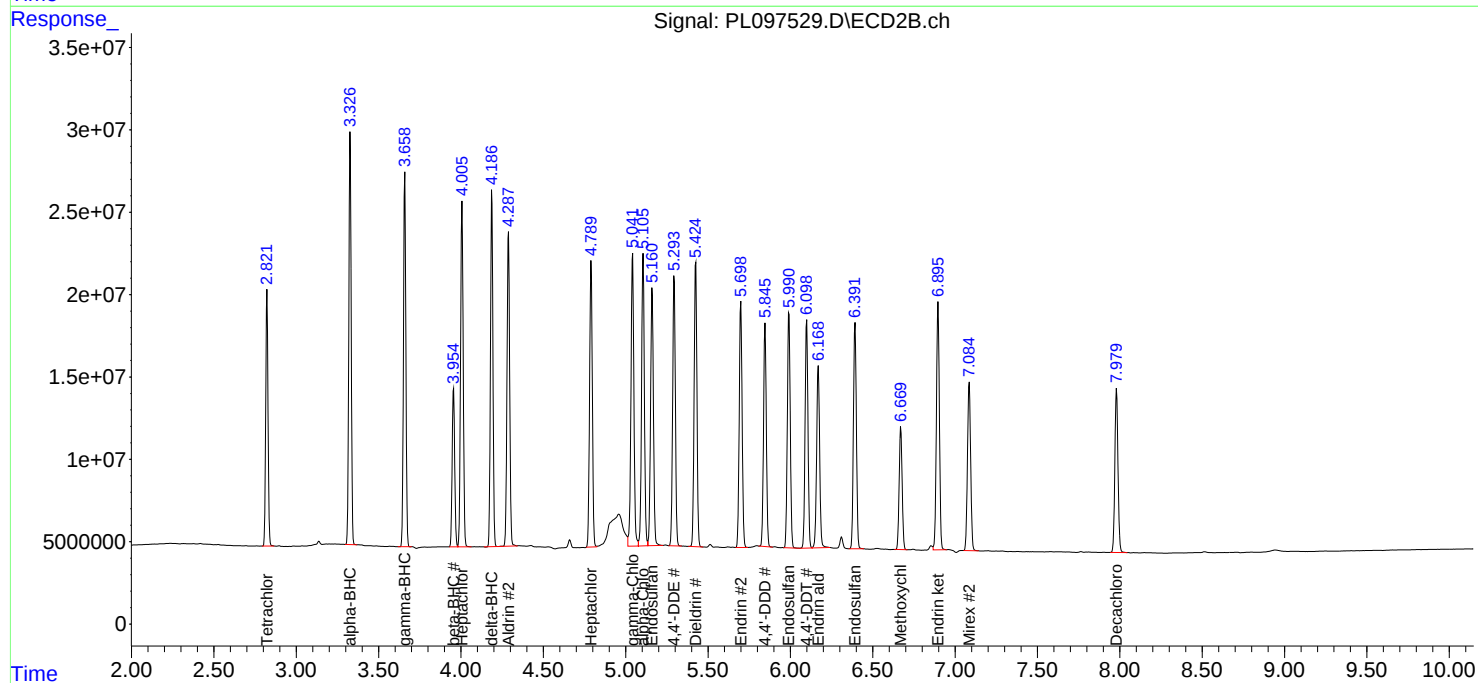
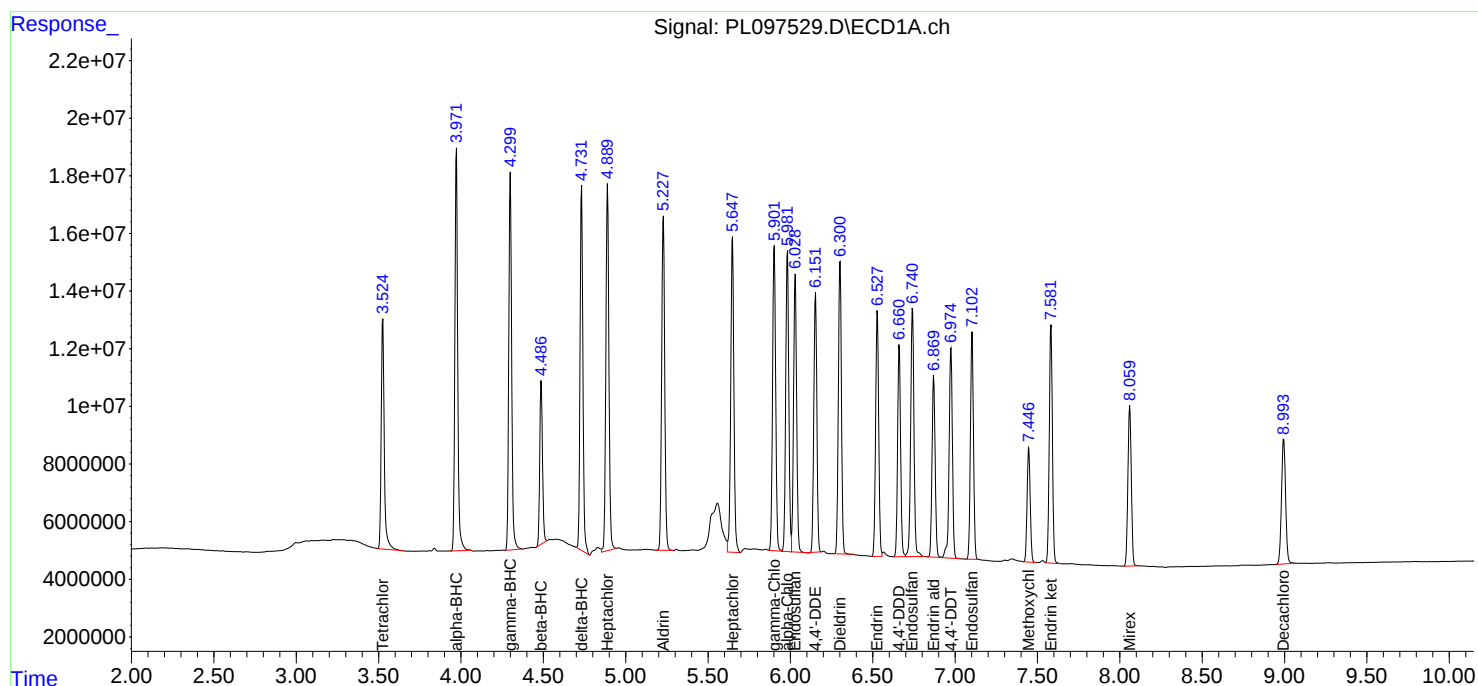
APPROVED

Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 11:55:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 11:55:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097530.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 11:55
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 12:09:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 12:09:00 2025
 Response via : Initial 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...	3.525	2.823	20760581	31889450	5.092	5.239
28) SA Decachlor...	8.995	7.980	16313666	30126190	5.486	5.806
Target Compounds						
2) A alpha-BHC	3.972	3.327	31631322	45990795	4.689	4.661
3) MA gamma-BHC...	4.299	3.659	30329973	44004103	4.772	4.790
4) MA Heptachlor	4.888	4.006	32306585	46717000	5.012m	5.082
5) MB Aldrin	5.228	4.288	29793038	42975067	4.955	4.956
6) B beta-BHC	4.487	3.955	13232665	21469148	5.118	5.397
7) B delta-BHC	4.732	4.187	30468498	42743595	5.017	4.731
8) B Heptachlo...	5.646	4.790	33101826	41697351	5.537m	5.280
9) A Endosulfan I	6.029	5.159	25685922	39259145	5.167	5.271m
10) B gamma-Chl...	5.901	5.040	26959817	45741136	4.967	5.277m
11) B alpha-Chl...	5.982	5.104	28366665	43589310	5.227	5.249m
12) B 4,4'-DDE	6.152	5.294	22578205	37045119	4.848	4.879
13) MA Dieldrin	6.301	5.425	26178667	43077308	4.976	5.210
14) MA Endrin	6.527	5.700	22242785	40023725	4.971	5.408
15) B Endosulfa...	6.740	5.991	30509296	35911153	6.264m	5.179
16) A 4,4'-DDD	6.659	5.845	18850267	32072276	4.987m	5.022m
17) MA 4,4'-DDT	6.975	6.099	19545223	31911242	4.820	4.789
18) B Endrin al...	6.870	6.169	17702219	38554790	5.402	6.695
19) B Endosulfa...	7.103	6.393	21130418	35709397	5.270	5.364
20) A Methoxychlor	7.446	6.670	11260639	20091269	5.375m	5.512
21) B Endrin ke...	7.581	6.895	21852412	45578581	5.118m	5.818m
22) Mirex	8.061	7.086	17837199	31483732	5.740	5.885

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097530.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 11:55
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

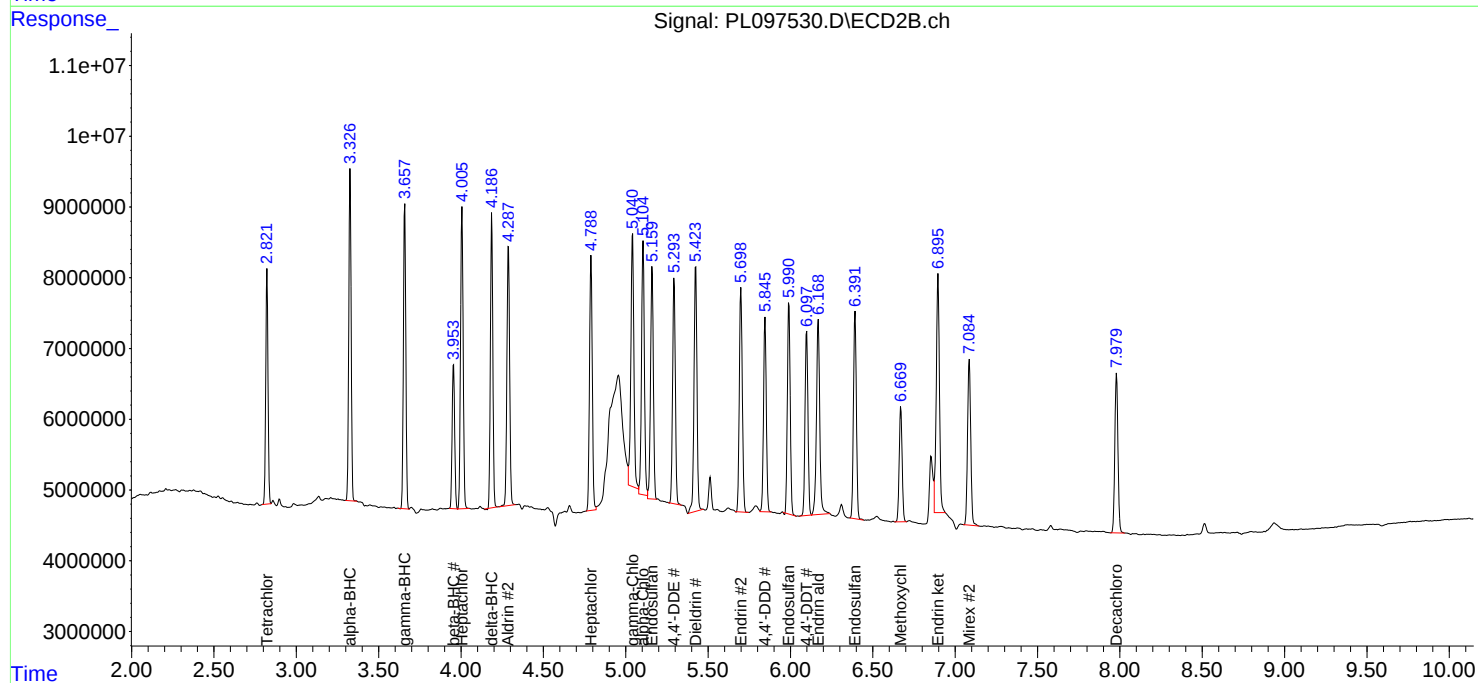
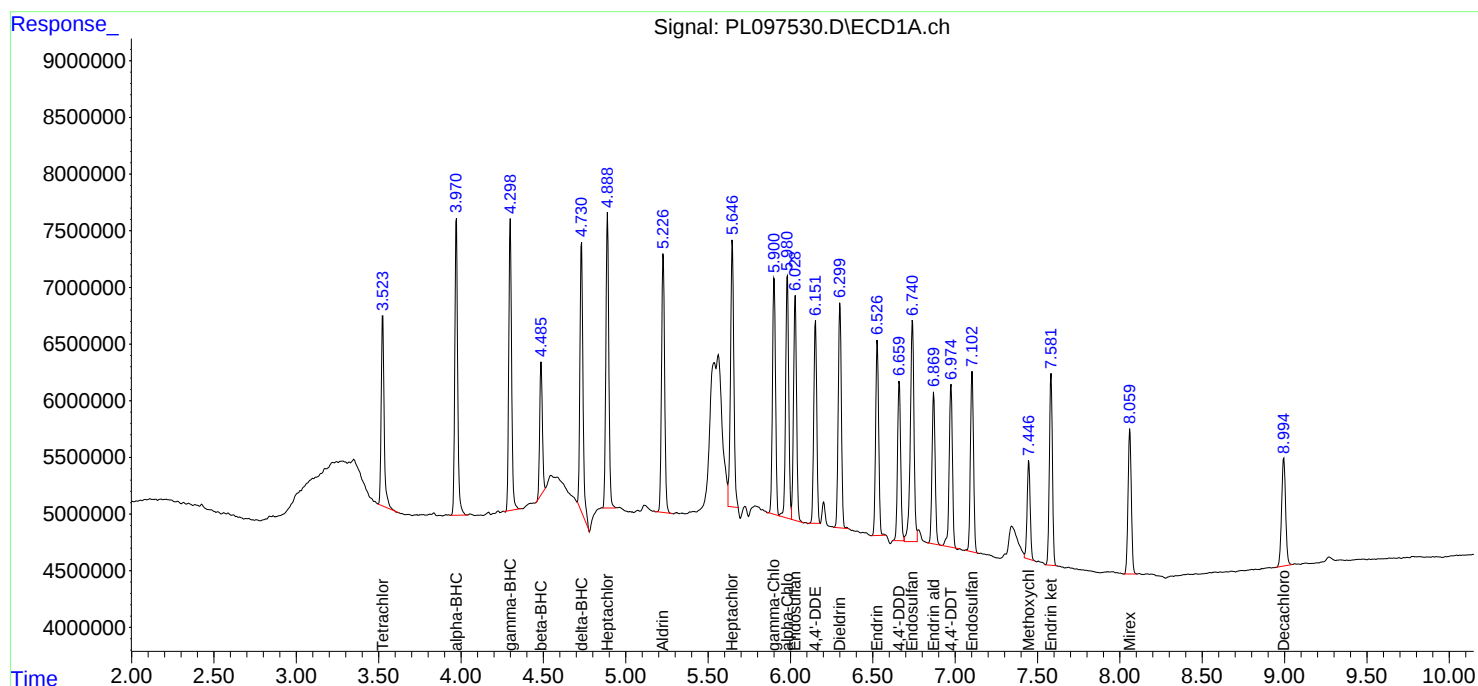
APPROVED

Reviewed By :Abdul Mirza 10/08/2025

Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 12:09:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 12:09:00 2025
Response via : Initial 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\PL100725\
 Data File : PL097533.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 13:05
 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: Oct 07 13:27:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 13:26:49 2025
 Response via : Initial 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...	3.524	2.821	180.5E6	352.0E6	50.000	50.000
28)	SA Decachlor...	8.996	7.980	129.9E6	231.8E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.676	3.830	98917512	124.8E6	500.000	500.000
24)	Chlordane-2	5.199	4.408	112.5E6	139.1E6	500.000	500.000
25)	Chlordane-3	5.902	5.041	412.5E6	442.0E6	500.000	500.000
26)	Chlordane-4	5.987	5.104	499.9E6	391.0E6	500.000	500.000
27)	Chlordane-5	6.823	5.998	86009600	145.9E6	500.000	500.000

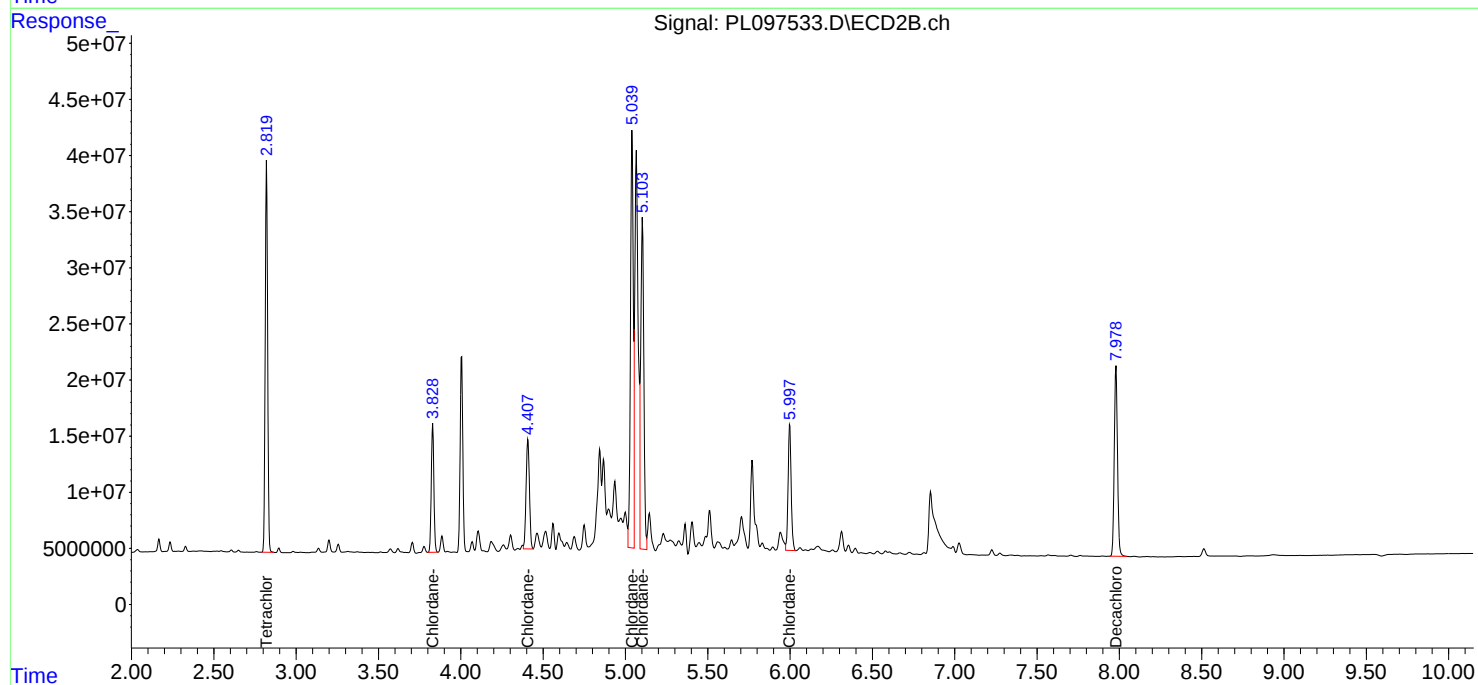
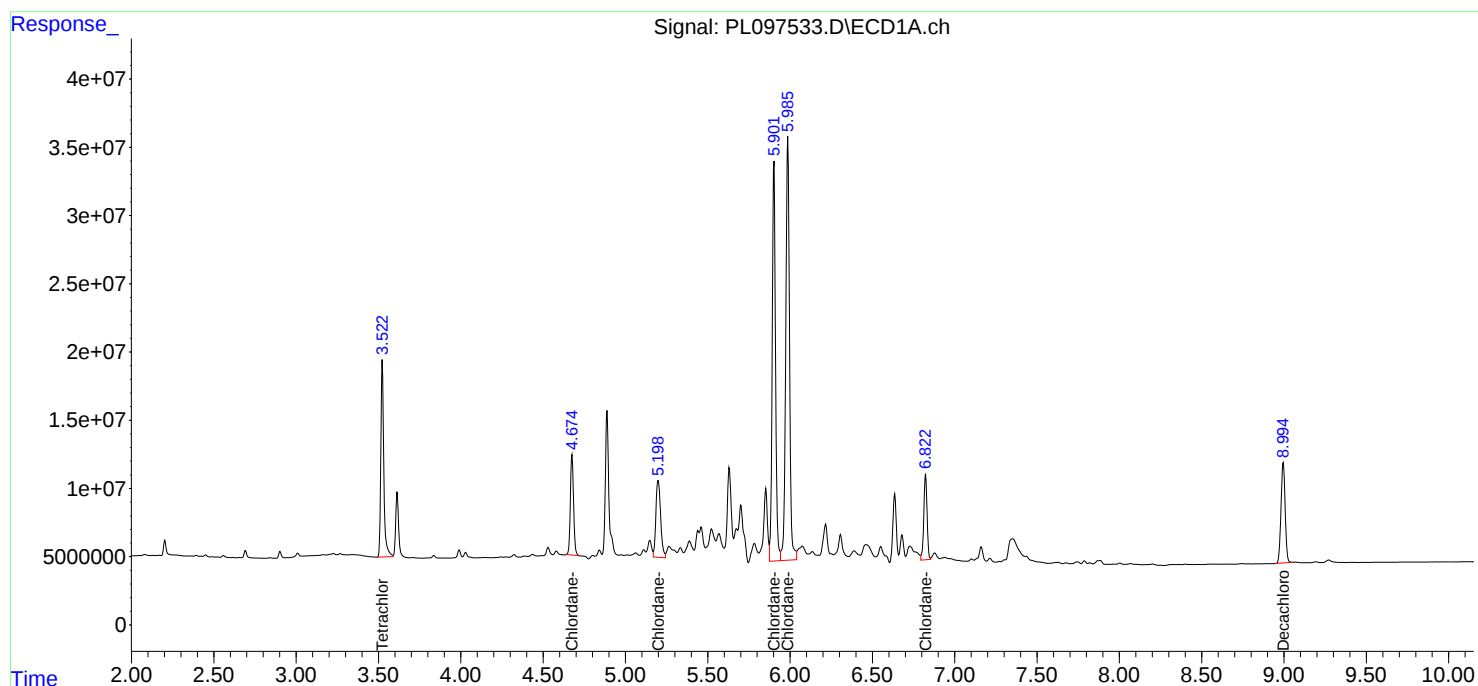
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097533.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 13:05
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: Oct 07 13:27:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 13:26:49 2025
Response via : Initial 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\PL100725\
 Data File : PL097538.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 14:13
 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: Oct 08 02:44:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX100725.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 08 02:43:27 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...	3.525	2.823	201.8E6	303.5E6	50.000	50.000
7) SA Decachlor...	8.995	7.980	152.2E6	268.7E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.197	5.064	19618950	21824392	500.000	500.000
3) Toxaphene-2	6.596	5.749	15978539	27407056	500.000	500.000
4) Toxaphene-3	7.010	6.029	70581901	28284734	500.000	500.000
5) Toxaphene-4	7.100	6.664	51701599	86131706	500.000	500.000
6) Toxaphene-5	7.879	7.104	37008274	52364800	500.000	500.000

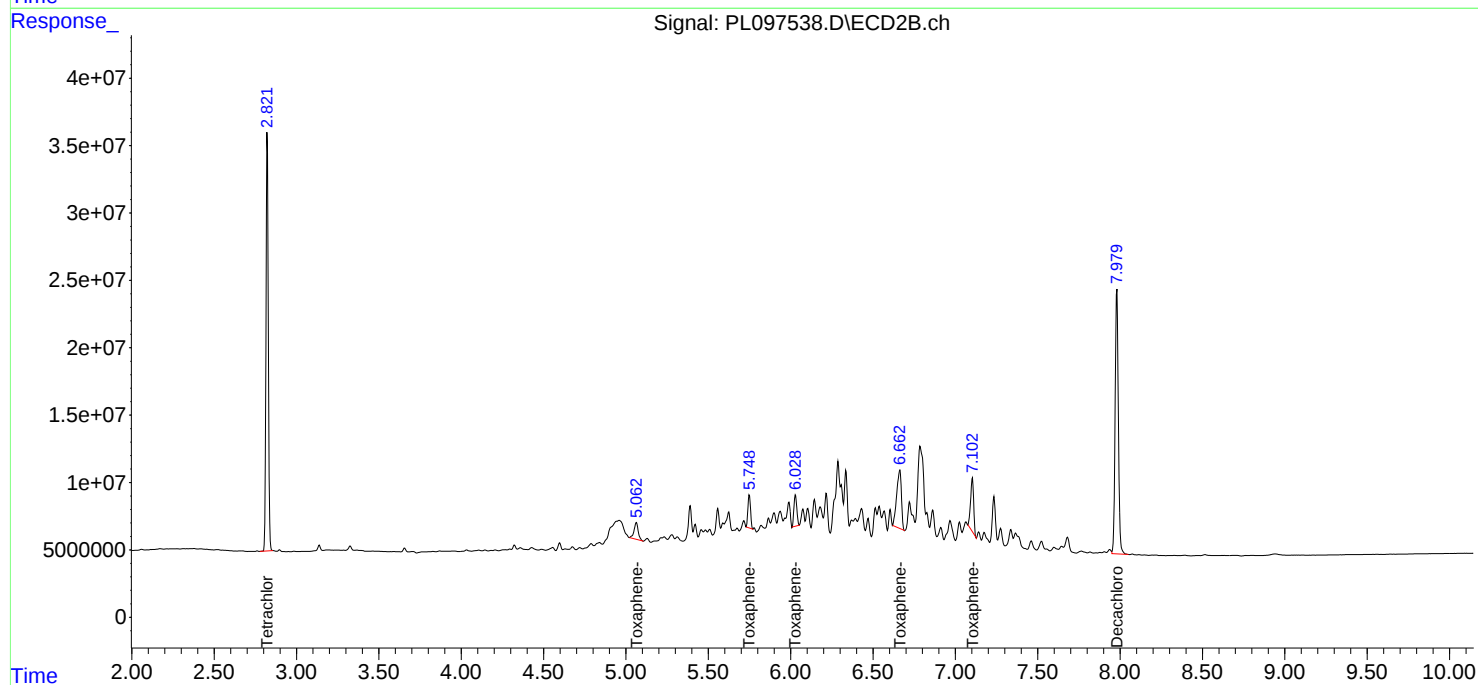
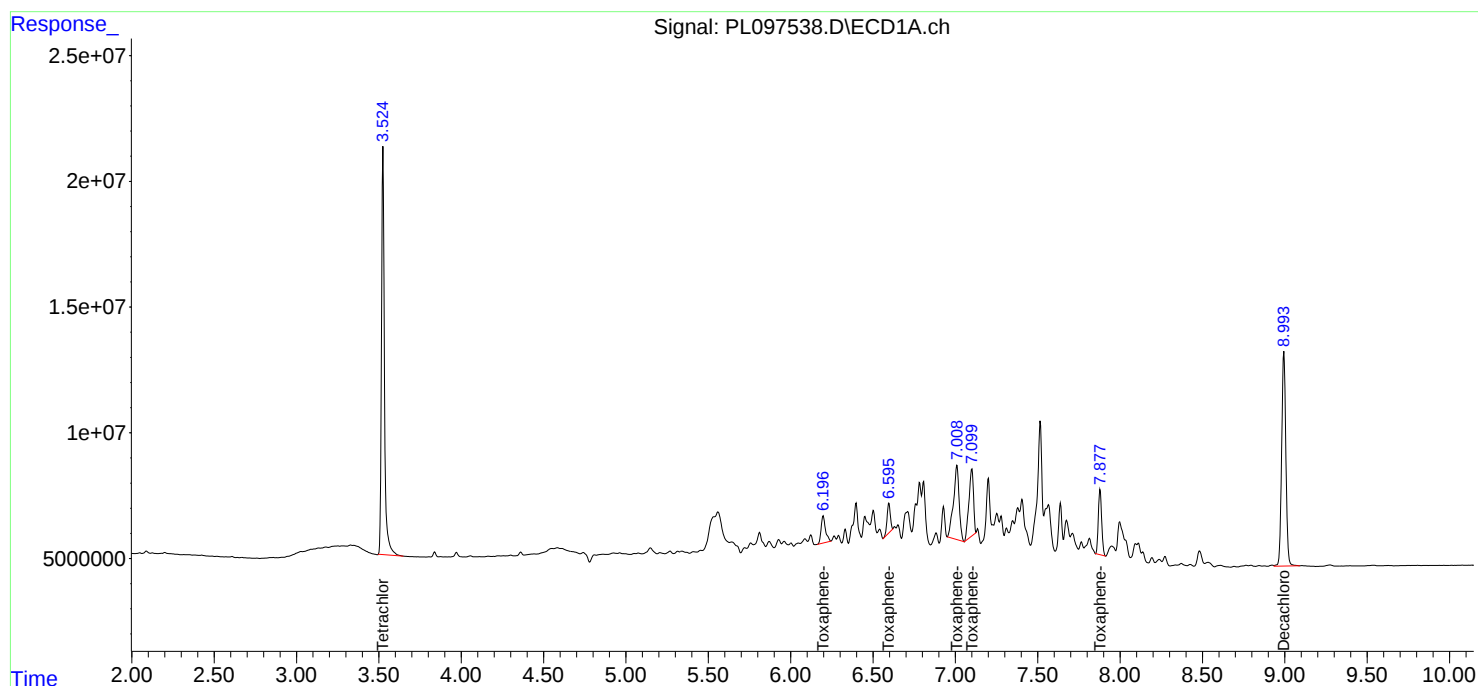
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 14:13
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: Oct 08 02:44:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX100725.M
Quant Title : GC Extractables
QLast Update : Wed Oct 08 02:43:27 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\PL100725\
 Data File : PL097541.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 15:26
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL100725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 15:40:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 14:32:10 2025
 Response via : Initial 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...	3.525	2.823	196.5E6	292.3E6	48.196	48.031
28)	SA Decachlor...	8.995	7.980	142.1E6	252.1E6	47.773	48.585
Target Compounds							
2)	A alpha-BHC	3.971	3.328	328.4E6	485.0E6	48.686	49.152
3)	MA gamma-BHC...	4.299	3.659	308.4E6	450.1E6	48.521	48.996
4)	MA Heptachlor	4.890	4.006	313.4E6	447.8E6	48.585	48.714
5)	MB Aldrin	5.229	4.288	291.3E6	424.4E6	48.442	48.941
6)	B beta-BHC	4.487	3.955	126.3E6	190.4E6	48.855	47.859
7)	B delta-BHC	4.732	4.187	292.7E6	444.7E6	48.193	49.227
8)	B Heptachlo...	5.648	4.790	273.0E6	382.8E6	46.897	48.472
9)	A Endosulfan I	6.029	5.160	241.0E6	360.5E6	48.470	48.891
10)	B gamma-Chl...	5.902	5.041	263.4E6	416.4E6	48.523	47.895
11)	B alpha-Chl...	5.982	5.105	261.8E6	400.4E6	48.243	48.084
12)	B 4,4'-DDE	6.152	5.294	226.2E6	374.0E6	48.560	49.257
13)	MA Dieldrin	6.301	5.424	256.3E6	394.7E6	48.731	47.735
14)	MA Endrin	6.528	5.699	216.5E6	354.0E6	48.392	47.833
15)	B Endosulfa...	6.741	5.991	224.4E6	339.0E6	45.863	49.093
16)	A 4,4'-DDD	6.661	5.846	182.9E6	317.1E6	48.475	49.712
17)	MA 4,4'-DDT	6.975	6.099	198.7E6	329.8E6	48.993	49.499
18)	B Endrin al...	6.870	6.169	159.6E6	262.7E6	48.718	45.617
19)	B Endosulfa...	7.104	6.393	193.0E6	324.7E6	48.122	48.770
20)	A Methoxychlor	7.448	6.670	98984099	176.8E6	47.383	48.501
21)	B Endrin ke...	7.583	6.896	208.7E6	364.2E6	48.749	46.108
22)	Mirex	8.061	7.086	147.4E6	256.2E6	47.423	47.897

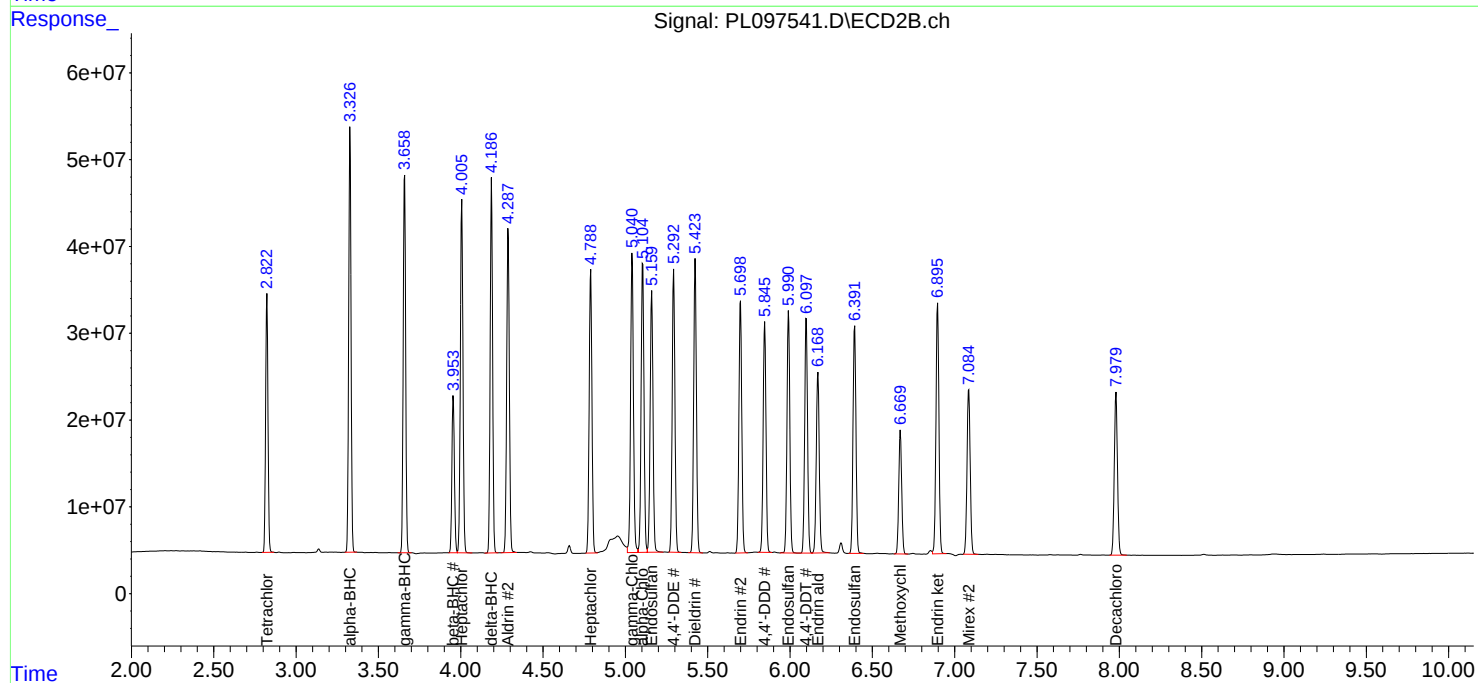
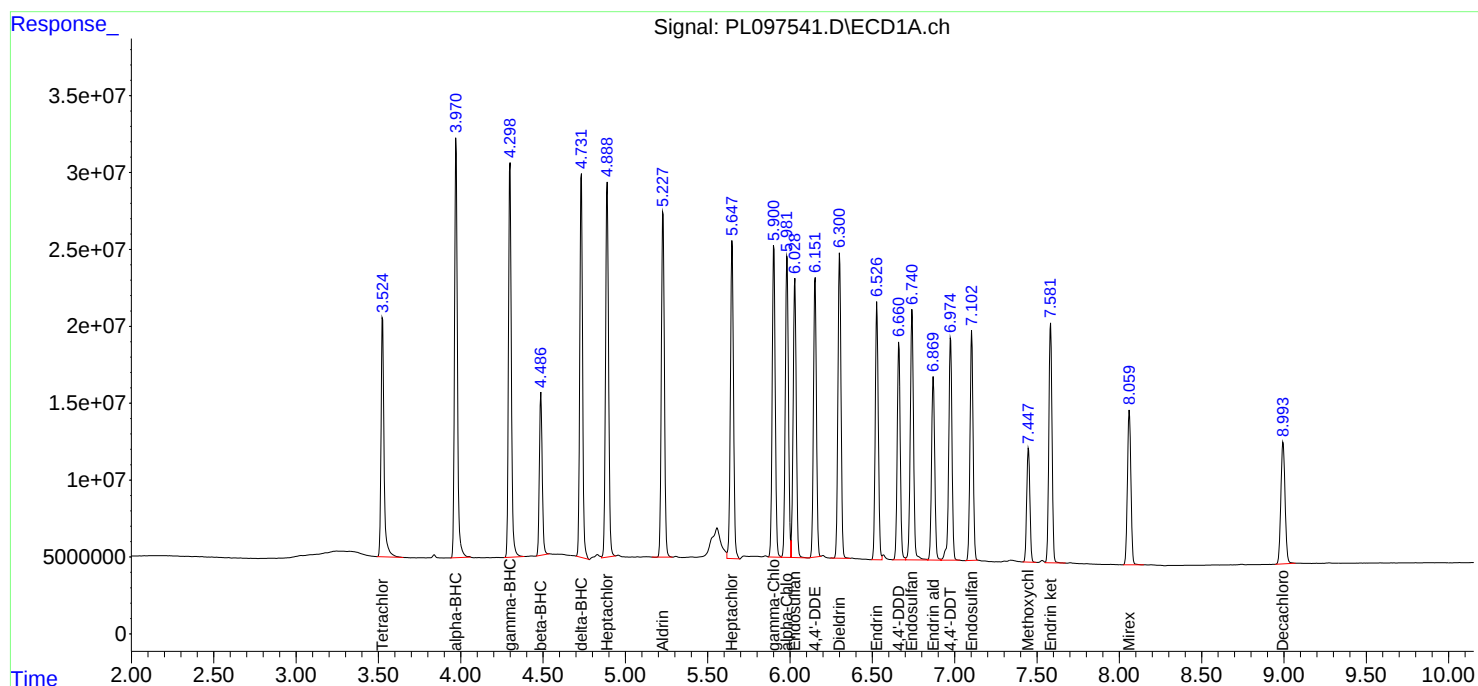
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 15:26
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL100725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 15:40:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 14:32:10 2025
Response via : Initial 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\PL100725\
 Data File : PL097542.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 15:55
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL100725CHLOR

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 16:41:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 15:43:14 2025
 Response via : Initial 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...	3.524	2.821	176.2E6	353.7E6	48.133	49.950
28)	SA Decachlor...	8.996	7.981	129.0E6	233.0E6	48.284	47.975
Target Compounds							
23)	Chlordane-1	4.675	3.831	97406992	125.3E6	487.275m	493.353
24)	Chlordane-2	5.200	4.409	105.0E6	140.5E6	464.990	493.358
25)	Chlordane-3	5.903	5.042	391.8E6	431.8E6	479.170	471.306
26)	Chlordane-4	5.986	5.105	480.1E6	379.6E6	468.064	491.668
27)	Chlordane-5	6.824	5.999	80255277	145.9E6	478.271	492.856

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097542.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 15:55
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

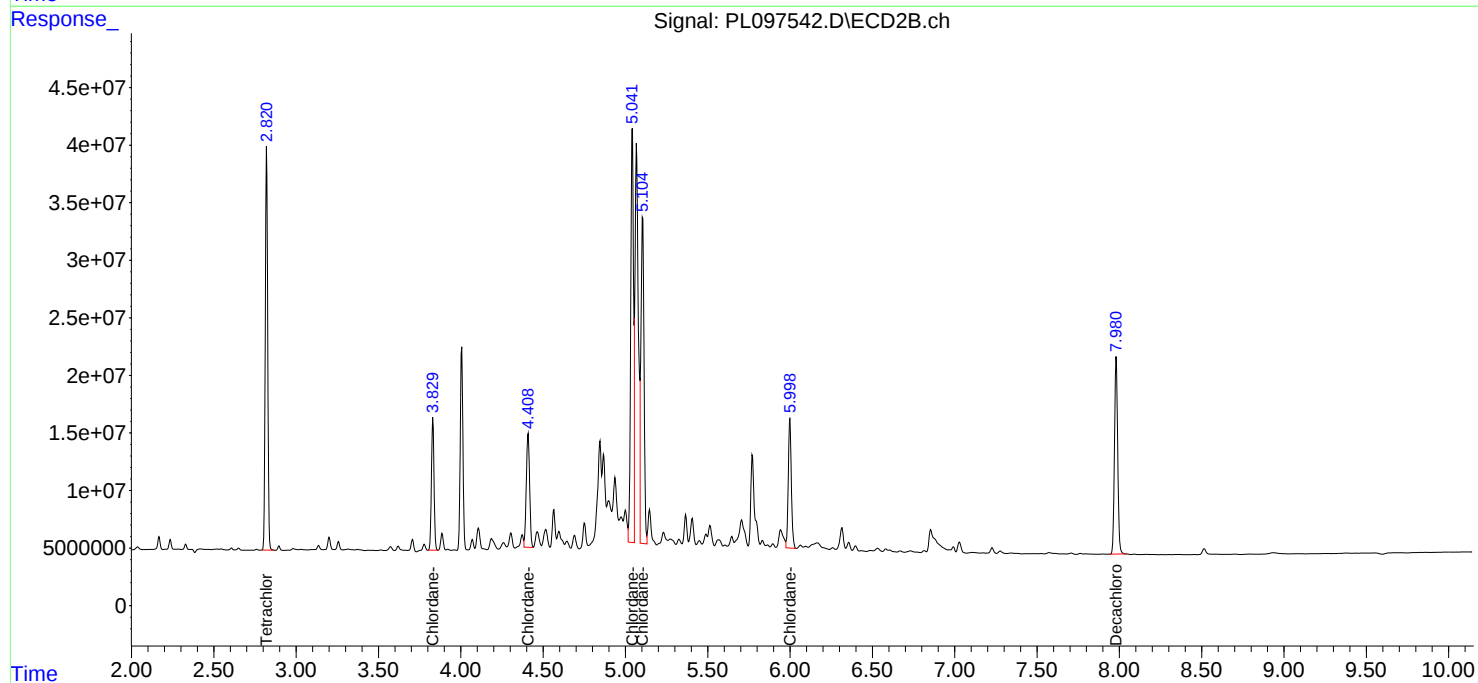
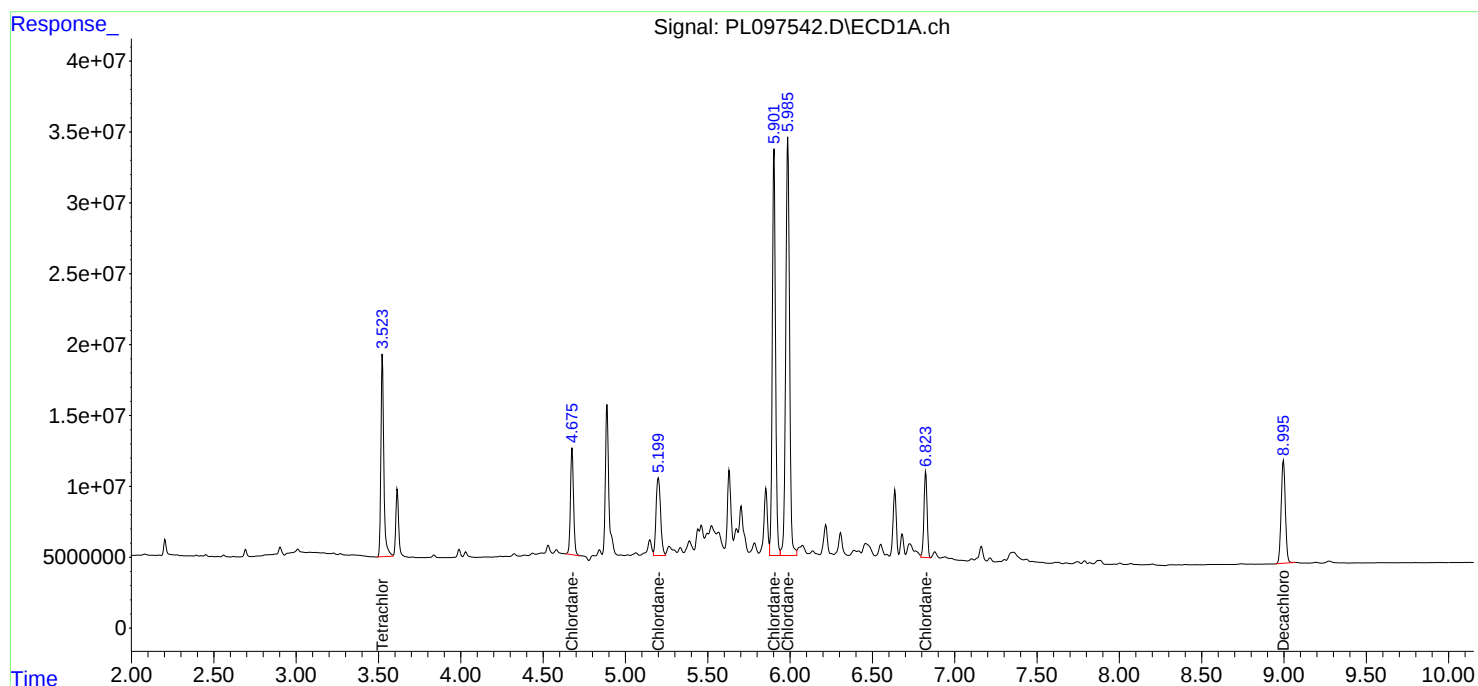
Instrument :
ECD_L
ClientSampleId :
ICVPL100725CHLOR

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 16:41:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 15:43:14 2025
Response via : Initial 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\PL100725\
 Data File : PL097543.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 16:08
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL100725TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 08 02:52:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX100725.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 08 02:50:32 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...	3.525	2.822	202.1E6	305.4E6	50.266	50.362
7) SA Decachlor...	8.995	7.980	149.2E6	269.5E6	49.366	50.164
Target Compounds						
2) Toxaphene-1	6.199	5.064	22361480	21475348	522.576	514.967
3) Toxaphene-2	6.596	5.750	15149193	26518885	476.571	496.134
4) Toxaphene-3	7.010	6.030	68558039	28136096	491.310	507.369
5) Toxaphene-4	7.099	6.664	50052470	84983798	487.415	505.715
6) Toxaphene-5	7.878	7.104	36207576	51916786	498.297	496.186

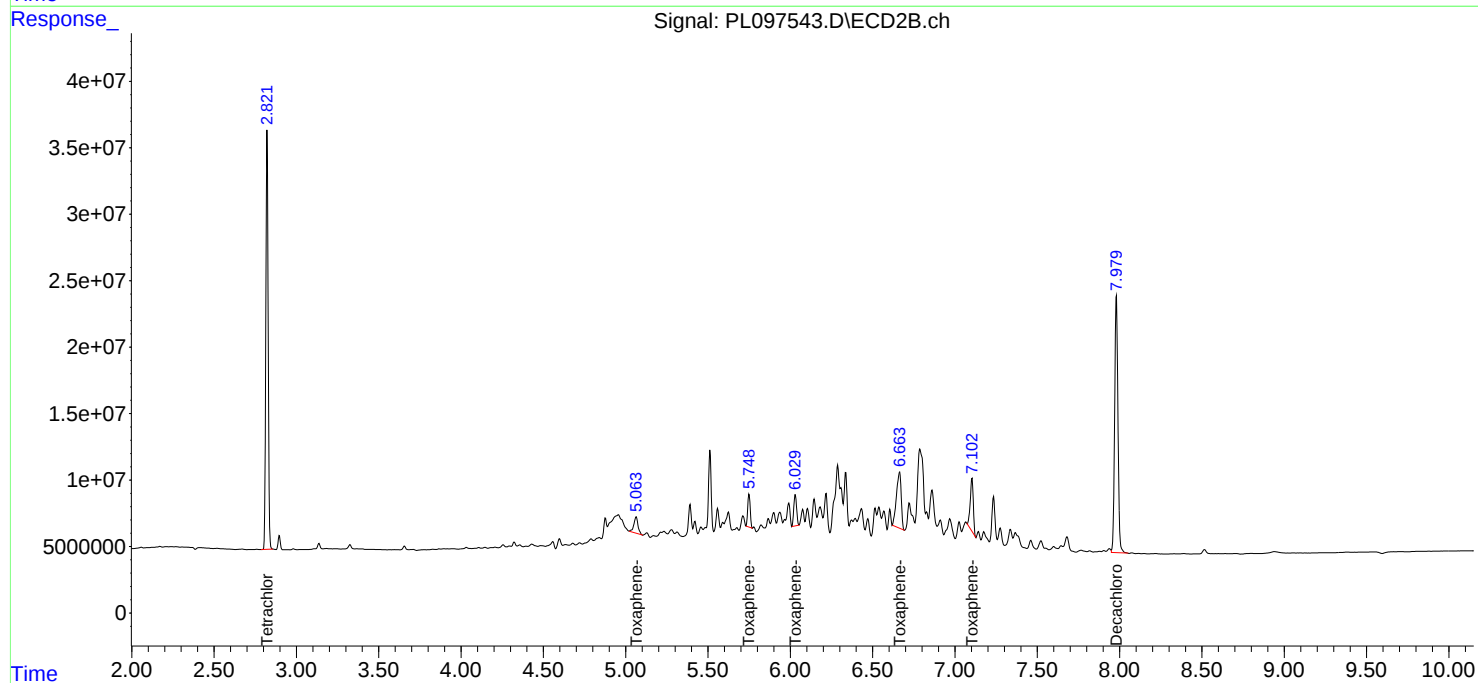
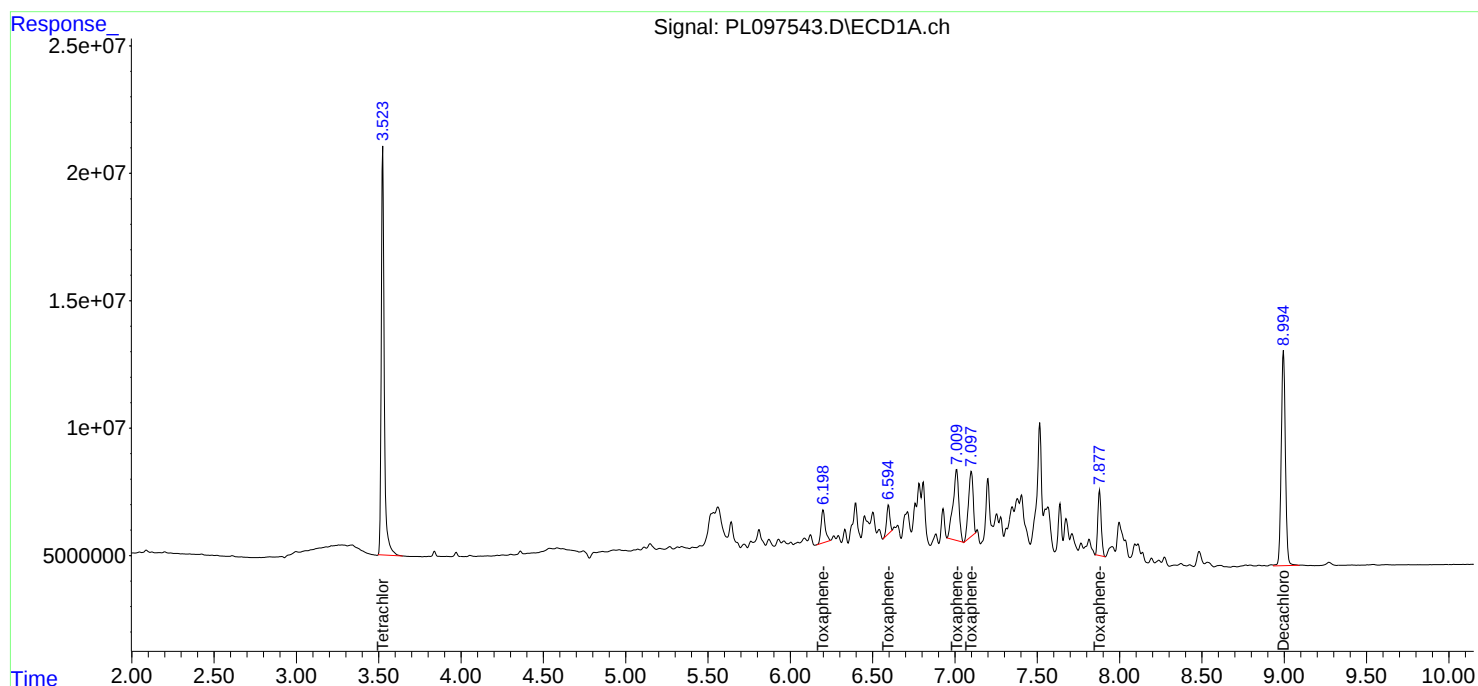
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097543.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 16:08
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL100725TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 02:52:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX100725.M
Quant Title : GC Extractables
QLast Update : Wed Oct 08 02:50:32 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: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025

10/07/2025

Continuing Calib Time: 13:05

Initial Calibration Time(s): 10:33

11:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.00	9.00	8.90	9.10	0.00
Tetrachloro-m-xylene	3.52	3.53	3.43	3.63	0.01
alpha-BHC	3.97	3.97	3.87	4.07	0.00
beta-BHC	4.49	4.49	4.39	4.59	0.00
delta-BHC	4.73	4.73	4.63	4.83	0.00
gamma-BHC (Lindane)	4.30	4.30	4.20	4.40	0.00
Heptachlor	4.89	4.89	4.79	4.99	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Heptachlor epoxide	5.65	5.65	5.55	5.75	0.00
Endosulfan I	6.03	6.03	5.93	6.13	0.00
Dieldrin	6.30	6.30	6.20	6.40	0.00
4,4'-DDE	6.15	6.15	6.05	6.25	0.00
Endrin	6.53	6.53	6.43	6.63	0.00
Endosulfan II	6.74	6.74	6.64	6.84	0.00
4,4'-DDD	6.66	6.66	6.56	6.76	0.00
Endosulfan sulfate	7.11	7.10	7.00	7.20	-0.01
4,4'-DDT	6.98	6.98	6.88	7.08	0.00
Methoxychlor	7.45	7.45	7.35	7.55	0.00
Endrin ketone	7.58	7.58	7.48	7.68	0.00
Endrin aldehyde	6.87	6.87	6.77	6.97	0.00
alpha-Chlordane	5.98	5.98	5.88	6.08	0.00
gamma-Chlordane	5.90	5.90	5.80	6.00	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025

10/07/2025

Continuing Calib Time: 13:05

Initial Calibration Time(s): 10:33

11:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
alpha-BHC	3.32	3.33	3.23	3.43	0.01
beta-BHC	3.95	3.96	3.86	4.06	0.01
delta-BHC	4.18	4.19	4.09	4.29	0.01
gamma-BHC (Lindane)	3.66	3.66	3.56	3.76	0.01
Heptachlor	4.00	4.01	3.91	4.11	0.01
Aldrin	4.28	4.29	4.19	4.39	0.01
Heptachlor epoxide	4.79	4.79	4.69	4.89	0.00
Endosulfan I	5.16	5.16	5.06	5.26	0.00
Dieldrin	5.42	5.43	5.33	5.53	0.01
4,4'-DDE	5.29	5.30	5.20	5.40	0.01
Endrin	5.70	5.70	5.60	5.80	0.00
Endosulfan II	5.99	5.99	5.89	6.09	0.00
4,4'-DDD	5.84	5.85	5.75	5.95	0.01
Endosulfan sulfate	6.39	6.39	6.29	6.49	0.00
4,4'-DDT	6.10	6.10	6.00	6.20	0.00
Methoxychlor	6.67	6.67	6.57	6.77	0.00
Endrin ketone	6.90	6.90	6.80	7.00	0.01
Endrin aldehyde	6.17	6.17	6.07	6.27	0.00
alpha-Chlordane	5.10	5.11	5.01	5.21	0.01
gamma-Chlordane	5.04	5.04	4.94	5.14	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/10/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097598.D **Time Analyzed:** 13:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.661	6.561	6.761	58.690	50.000	17.4
4,4'-DDE	6.153	6.053	6.253	59.650	50.000	19.3
4,4'-DDT	6.977	6.875	7.075	51.870	50.000	3.7
Aldrin	5.229	5.129	5.329	56.650	50.000	13.3
alpha-BHC	3.970	3.872	4.072	57.770	50.000	15.5
alpha-Chlordane	5.981	5.882	6.082	56.890	50.000	13.8
beta-BHC	4.486	4.387	4.587	57.420	50.000	14.8
Decachlorobiphenyl	8.997	8.895	9.095	54.910	50.000	9.8
delta-BHC	4.732	4.632	4.832	56.840	50.000	13.7
Dieldrin	6.302	6.202	6.402	57.010	50.000	14.0
Endosulfan I	6.028	5.930	6.130	55.680	50.000	11.4
Endosulfan II	6.743	6.641	6.841	54.610	50.000	9.2
Endosulfan sulfate	7.105	7.004	7.204	54.600	50.000	9.2
Endrin	6.528	6.428	6.628	54.040	50.000	8.1
Endrin aldehyde	6.870	6.771	6.971	55.110	50.000	10.2
Endrin ketone	7.584	7.483	7.683	55.310	50.000	10.6
gamma-BHC (Lindane)	4.298	4.200	4.400	57.600	50.000	15.2
gamma-Chlordane	5.901	5.802	6.002	57.300	50.000	14.6
Heptachlor	4.889	4.790	4.990	54.790	50.000	9.6
Heptachlor epoxide	5.649	5.548	5.748	56.480	50.000	13.0
Methoxychlor	7.450	7.348	7.548	47.920	50.000	-4.2
Tetrachloro-m-xylene	3.524	3.425	3.625	57.280	50.000	14.6



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/10/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097598.D **Time Analyzed:** 13:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.844	5.746	5.946	53.910	50.000	7.8
4,4'-DDE	5.291	5.195	5.395	50.870	50.000	1.7
4,4'-DDT	6.096	5.999	6.199	46.510	50.000	-7.0
Aldrin	4.284	4.188	4.388	51.220	50.000	2.4
alpha-BHC	3.323	3.228	3.428	52.600	50.000	5.2
alpha-Chlordane	5.102	5.006	5.206	49.920	50.000	-0.2
beta-BHC	3.951	3.855	4.055	49.480	50.000	-1.0
Decachlorobiphenyl	7.979	7.880	8.080	45.860	50.000	-8.3
delta-BHC	4.183	4.087	4.287	51.850	50.000	3.7
Dieldrin	5.422	5.325	5.525	51.740	50.000	3.5
Endosulfan I	5.157	5.061	5.261	48.740	50.000	-2.5
Endosulfan II	5.989	5.891	6.091	50.890	50.000	1.8
Endosulfan sulfate	6.390	6.293	6.493	49.570	50.000	-0.9
Endrin	5.697	5.599	5.799	51.080	50.000	2.2
Endrin aldehyde	6.167	6.069	6.269	45.200	50.000	-9.6
Endrin ketone	6.895	6.797	6.997	50.890	50.000	1.8
gamma-BHC (Lindane)	3.655	3.559	3.759	52.160	50.000	4.3
gamma-Chlordane	5.038	4.942	5.142	48.790	50.000	-2.4
Heptachlor	4.002	3.907	4.107	49.490	50.000	-1.0
Heptachlor epoxide	4.786	4.690	4.890	50.060	50.000	0.1
Methoxychlor	6.669	6.571	6.771	44.110	50.000	-11.8
Tetrachloro-m-xylene	2.818	2.723	2.923	51.780	50.000	3.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097598.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 13:05
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
 Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:18:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 2025
 Response via : Initial 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...	3.524	2.818	233.5E6	315.2E6	57.282	51.780
28)	SA Decachlor...	8.997	7.979	163.3E6	238.0E6	54.905	45.860
Target Compounds							
2)	A alpha-BHC	3.970	3.323	389.7E6	519.1E6	57.772	52.605
3)	MA gamma-BHC...	4.298	3.655	366.1E6	479.2E6	57.596	52.162
4)	MA Heptachlor	4.889	4.002	353.4E6	454.9E6	54.787	49.491
5)	MB Aldrin	5.229	4.284	340.6E6	444.2E6	56.647	51.218
6)	B beta-BHC	4.486	3.951	148.5E6	196.8E6	57.417	49.482
7)	B delta-BHC	4.732	4.183	345.2E6	468.4E6	56.844	51.853
8)	B Heptachlo...	5.649	4.786	328.8E6	395.3E6	56.481	50.056
9)	A Endosulfan I	6.028	5.157	276.8E6	359.4E6	55.680m	48.736
10)	B gamma-Chl...	5.901	5.038	311.0E6	424.2E6	57.298m	48.794
11)	B alpha-Chl...	5.981	5.102	308.7E6	415.7E6	56.885m	49.920
12)	B 4,4'-DDE	6.153	5.291	277.8E6	386.3E6	59.650	50.875
13)	MA Dieldrin	6.302	5.422	299.9E6	427.8E6	57.010	51.741
14)	MA Endrin	6.528	5.697	241.8E6	378.1E6	54.038	51.078
15)	B Endosulfa...	6.743	5.989	267.2E6	351.4E6	54.614	50.890
16)	A 4,4'-DDD	6.661	5.844	221.5E6	343.9E6	58.692m	53.909
17)	MA 4,4'-DDT	6.977	6.096	210.3E6	309.9E6	51.867	46.509
18)	B Endrin al...	6.870	6.167	180.6E6	260.3E6	55.113m	45.205
19)	B Endosulfa...	7.105	6.390	218.9E6	330.0E6	54.596	49.573
20)	A Methoxychlor	7.450	6.669	100.1E6	160.8E6	47.924	44.113
21)	B Endrin ke...	7.584	6.895	236.8E6	402.0E6	55.311	50.886
22)	Mirex	8.062	7.084	159.4E6	251.8E6	51.303	47.066

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:05
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

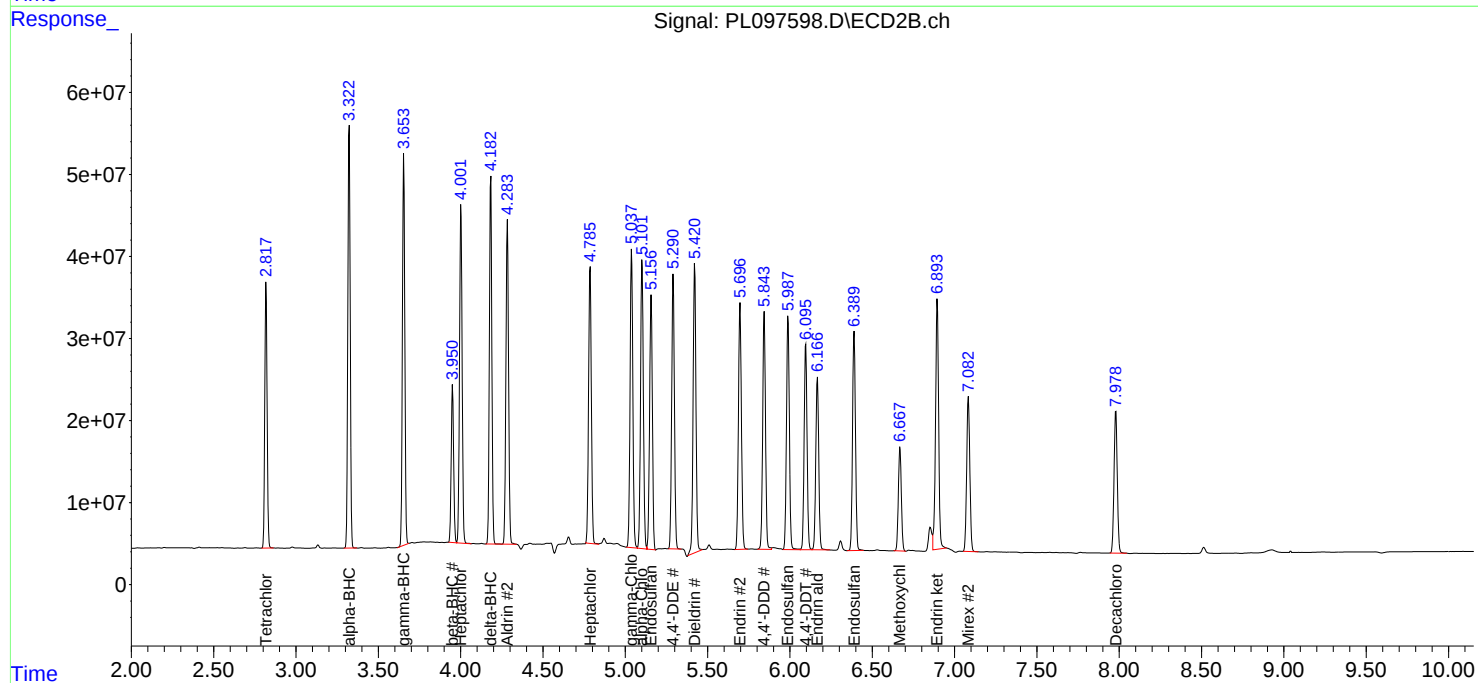
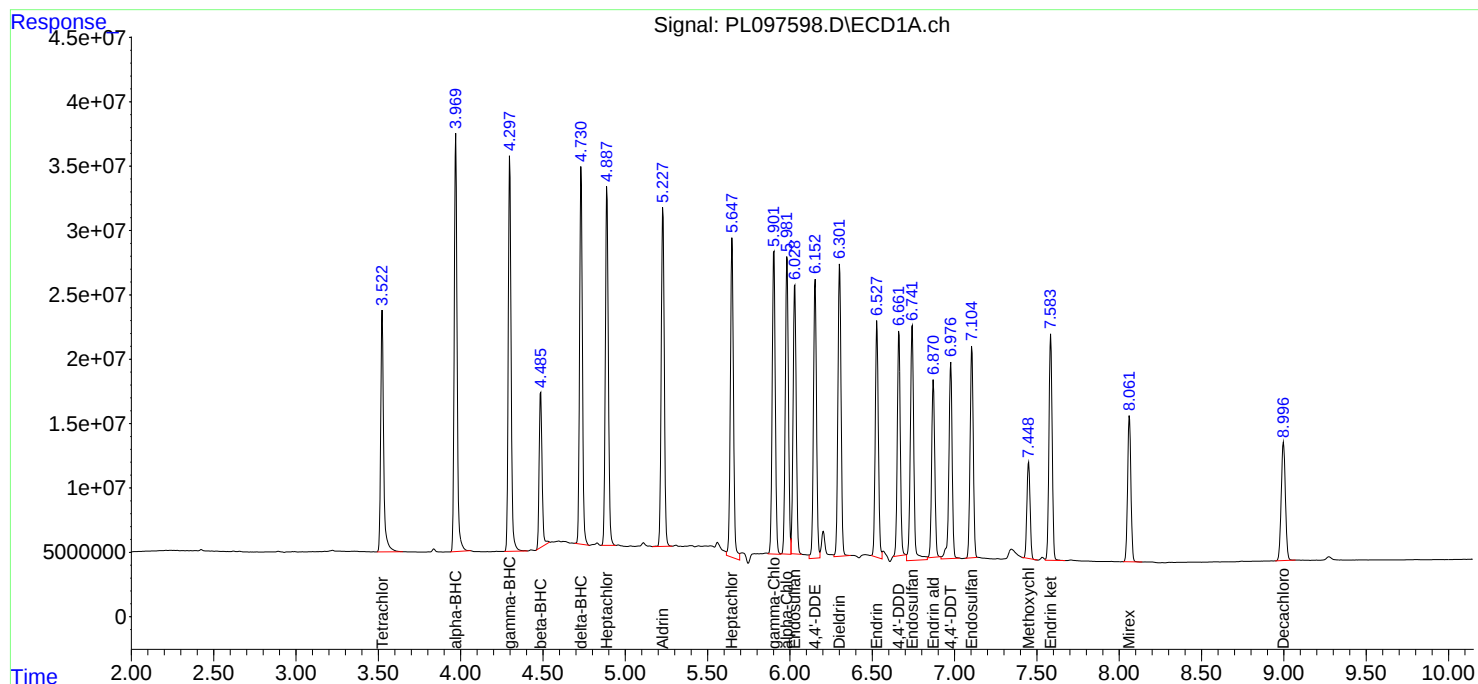
APPROVED

Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:18:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025

10/07/2025

Continuing Calib Time: 17:20

Initial Calibration Time(s): 10:33

11:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.99	9.00	8.90	9.10	0.01
Tetrachloro-m-xylene	3.52	3.53	3.43	3.63	0.01
alpha-BHC	3.97	3.97	3.87	4.07	0.00
beta-BHC	4.49	4.49	4.39	4.59	0.00
delta-BHC	4.73	4.73	4.63	4.83	0.00
gamma-BHC (Lindane)	4.30	4.30	4.20	4.40	0.00
Heptachlor	4.89	4.89	4.79	4.99	0.00
Aldrin	5.23	5.23	5.13	5.33	0.00
Heptachlor epoxide	5.65	5.65	5.55	5.75	0.00
Endosulfan I	6.03	6.03	5.93	6.13	0.00
Dieldrin	6.30	6.30	6.20	6.40	0.00
4,4'-DDE	6.15	6.15	6.05	6.25	0.00
Endrin	6.53	6.53	6.43	6.63	0.00
Endosulfan II	6.74	6.74	6.64	6.84	0.00
4,4'-DDD	6.66	6.66	6.56	6.76	0.00
Endosulfan sulfate	7.10	7.10	7.00	7.20	0.00
4,4'-DDT	6.97	6.98	6.88	7.08	0.01
Methoxychlor	7.45	7.45	7.35	7.55	0.00
Endrin ketone	7.58	7.58	7.48	7.68	0.00
Endrin aldehyde	6.87	6.87	6.77	6.97	0.00
alpha-Chlordane	5.98	5.98	5.88	6.08	0.00
gamma-Chlordane	5.90	5.90	5.80	6.00	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Continuing Calib Date: 10/10/2025

Initial Calibration Date(s): 10/07/2025

10/07/2025

Continuing Calib Time: 17:20

Initial Calibration Time(s): 10:33

11:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.98	7.88	8.08	0.00
Tetrachloro-m-xylene	2.82	2.82	2.72	2.92	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.95	3.96	3.86	4.06	0.01
delta-BHC	4.19	4.19	4.09	4.29	0.00
gamma-BHC (Lindane)	3.66	3.66	3.56	3.76	0.00
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.29	4.19	4.39	0.00
Heptachlor epoxide	4.79	4.79	4.69	4.89	0.00
Endosulfan I	5.16	5.16	5.06	5.26	0.00
Dieldrin	5.42	5.43	5.33	5.53	0.01
4,4'-DDE	5.29	5.30	5.20	5.40	0.01
Endrin	5.70	5.70	5.60	5.80	0.00
Endosulfan II	5.99	5.99	5.89	6.09	0.00
4,4'-DDD	5.85	5.85	5.75	5.95	0.01
Endosulfan sulfate	6.39	6.39	6.29	6.49	0.00
4,4'-DDT	6.10	6.10	6.00	6.20	0.00
Methoxychlor	6.67	6.67	6.57	6.77	0.00
Endrin ketone	6.90	6.90	6.80	7.00	0.01
Endrin aldehyde	6.17	6.17	6.07	6.27	0.00
alpha-Chlordane	5.11	5.11	5.01	5.21	0.00
gamma-Chlordane	5.04	5.04	4.94	5.14	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/10/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097610.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.658	6.561	6.761	57.660	50.000	15.3
4,4'-DDE	6.152	6.053	6.253	55.800	50.000	11.6
4,4'-DDT	6.974	6.875	7.075	49.600	50.000	-0.8
Aldrin	5.227	5.129	5.329	55.100	50.000	10.2
alpha-BHC	3.971	3.872	4.072	56.500	50.000	13.0
alpha-Chlordane	5.981	5.882	6.082	55.870	50.000	11.7
beta-BHC	4.486	4.387	4.587	57.220	50.000	14.4
Decachlorobiphenyl	8.993	8.895	9.095	53.740	50.000	7.5
delta-BHC	4.731	4.632	4.832	56.350	50.000	12.7
Dieldrin	6.300	6.202	6.402	54.460	50.000	8.9
Endosulfan I	6.028	5.930	6.130	55.290	50.000	10.6
Endosulfan II	6.738	6.641	6.841	48.640	50.000	-2.7
Endosulfan sulfate	7.102	7.004	7.204	53.060	50.000	6.1
Endrin	6.526	6.428	6.628	53.160	50.000	6.3
Endrin aldehyde	6.869	6.771	6.971	56.440	50.000	12.9
Endrin ketone	7.581	7.483	7.683	54.110	50.000	8.2
gamma-BHC (Lindane)	4.298	4.200	4.400	56.350	50.000	12.7
gamma-Chlordane	5.899	5.802	6.002	54.440	50.000	8.9
Heptachlor	4.889	4.790	4.990	52.670	50.000	5.3
Heptachlor epoxide	5.646	5.548	5.748	51.040	50.000	2.1
Methoxychlor	7.447	7.348	7.548	46.340	50.000	-7.3
Tetrachloro-m-xylene	3.524	3.425	3.625	56.490	50.000	13.0



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **SDG NO.:** Q3310
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2025 10/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/10/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL097610.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.845	5.746	5.946	53.260	50.000	6.5
4,4'-DDE	5.293	5.195	5.395	50.590	50.000	1.2
4,4'-DDT	6.098	5.999	6.199	44.110	50.000	-11.8
Aldrin	4.287	4.188	4.388	52.020	50.000	4.0
alpha-BHC	3.326	3.228	3.428	53.340	50.000	6.7
alpha-Chlordane	5.105	5.006	5.206	50.610	50.000	1.2
beta-BHC	3.954	3.855	4.055	50.650	50.000	1.3
Decachlorobiphenyl	7.978	7.880	8.080	44.110	50.000	-11.8
delta-BHC	4.187	4.087	4.287	52.710	50.000	5.4
Dieldrin	5.423	5.325	5.525	51.960	50.000	3.9
Endosulfan I	5.159	5.061	5.261	49.010	50.000	-2.0
Endosulfan II	5.990	5.891	6.091	49.870	50.000	-0.3
Endosulfan sulfate	6.391	6.293	6.493	48.820	50.000	-2.4
Endrin	5.699	5.599	5.799	51.790	50.000	3.6
Endrin aldehyde	6.168	6.069	6.269	44.840	50.000	-10.3
Endrin ketone	6.895	6.797	6.997	47.470	50.000	-5.1
gamma-BHC (Lindane)	3.658	3.559	3.759	52.610	50.000	5.2
gamma-Chlordane	5.041	4.942	5.142	50.490	50.000	1.0
Heptachlor	4.005	3.907	4.107	49.840	50.000	-0.3
Heptachlor epoxide	4.789	4.690	4.890	50.600	50.000	1.2
Methoxychlor	6.669	6.571	6.771	42.860	50.000	-14.3
Tetrachloro-m-xylene	2.822	2.723	2.923	52.170	50.000	4.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097610.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 17:20
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/13/2025
 Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:21:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 2025
 Response via : Initial 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...	3.524	2.822	230.3E6	317.6E6	56.492	52.174
28)	SA Decachlor...	8.993	7.978	159.8E6	228.9E6	53.737	44.106
Target Compounds							
2)	A alpha-BHC	3.971	3.326	381.1E6	526.3E6	56.500	53.340
3)	MA gamma-BHC...	4.298	3.658	358.2E6	483.4E6	56.348	52.614
4)	MA Heptachlor	4.889	4.005	339.7E6	458.1E6	52.666	49.838
5)	MB Aldrin	5.227	4.287	331.3E6	451.1E6	55.100	52.018
6)	B beta-BHC	4.486	3.954	147.9E6	201.5E6	57.217	50.653
7)	B delta-BHC	4.731	4.187	342.2E6	476.2E6	56.354	52.713
8)	B Heptachlo...	5.646	4.789	297.2E6	399.7E6	51.041m	50.603
9)	A Endosulfan I	6.028	5.159	274.9E6	361.5E6	55.294	49.015
10)	B gamma-Chl...	5.899	5.041	295.4E6	438.9E6	54.435m	50.493
11)	B alpha-Chl...	5.981	5.105	303.2E6	421.4E6	55.870	50.606
12)	B 4,4'-DDE	6.152	5.293	259.9E6	384.1E6	55.797	50.593
13)	MA Dieldrin	6.300	5.423	286.5E6	429.6E6	54.456	51.962
14)	MA Endrin	6.526	5.699	237.9E6	383.3E6	53.164	51.792
15)	B Endosulfa...	6.738	5.990	237.9E6	344.3E6	48.638m	49.866
16)	A 4,4'-DDD	6.658	5.845	217.6E6	339.7E6	57.661m	53.255
17)	MA 4,4'-DDT	6.974	6.098	201.1E6	293.9E6	49.600	44.105
18)	B Endrin al...	6.869	6.168	184.9E6	258.2E6	56.439	44.843
19)	B Endosulfa...	7.102	6.391	212.8E6	325.0E6	53.065	48.821
20)	A Methoxychlor	7.447	6.669	96811752	156.2E6	46.344	42.864
21)	B Endrin ke...	7.581	6.895	231.7E6	375.0E6	54.113	47.468
22)	Mirex	8.059	7.084	151.6E6	243.5E6	48.786	45.508

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 17:20
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

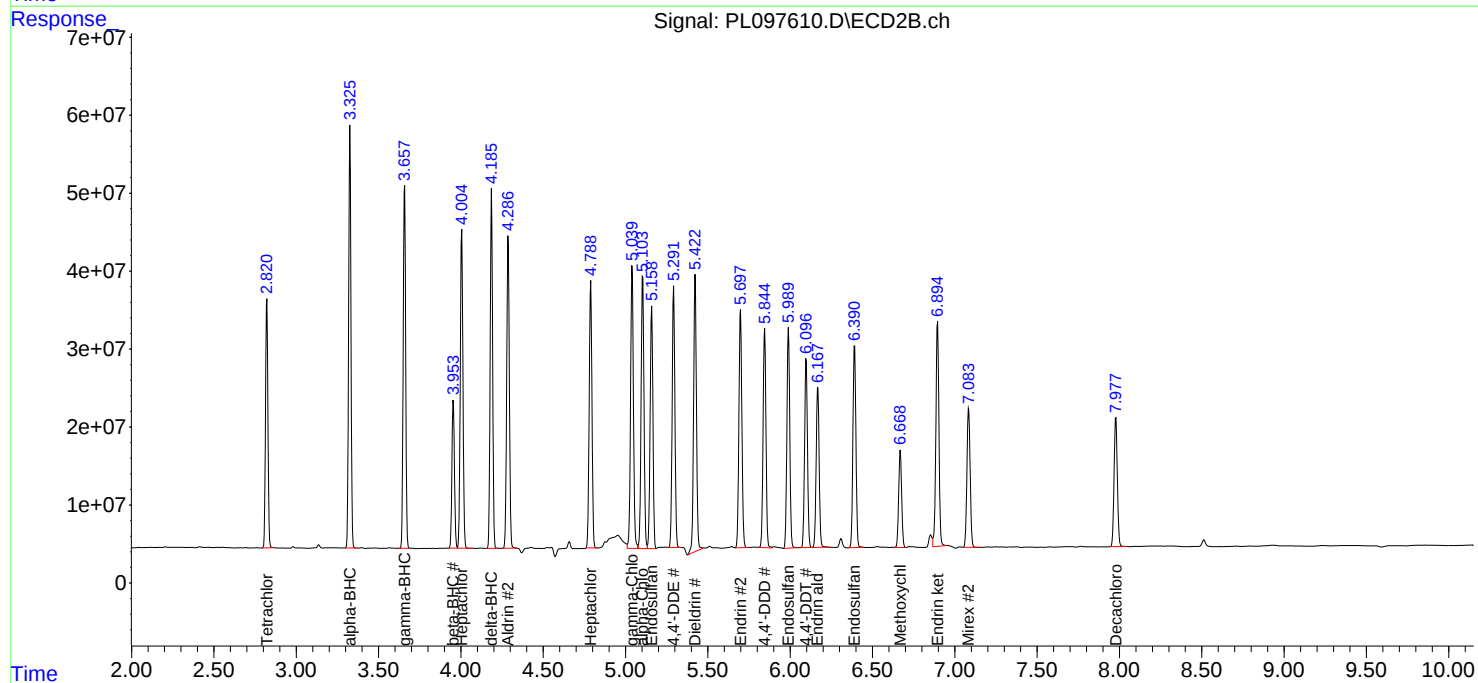
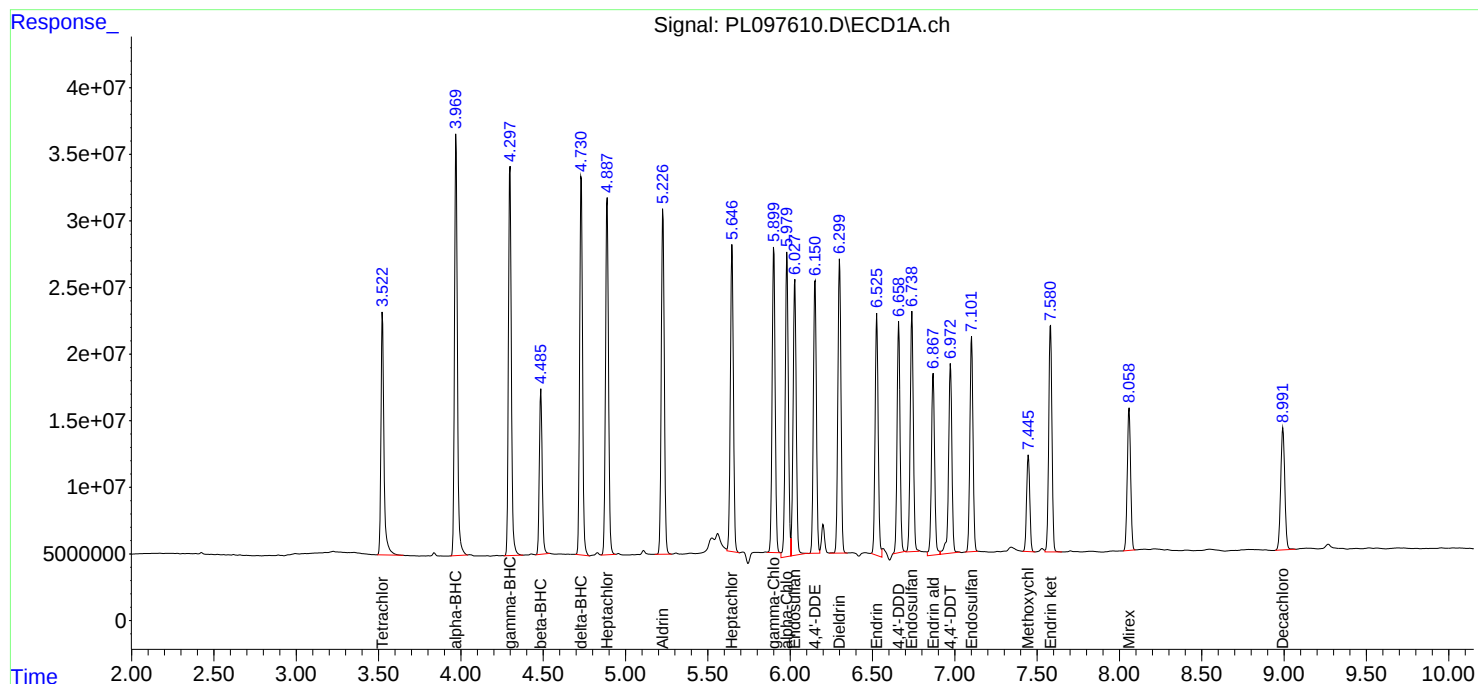
APPROVED

Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:21:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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: LANG01

Lab Code: ACE

SDG NO.: Q3310

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097524.D Date Analyzed: 10/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:06

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.995	8.890	9.100	22.480	20.000	12.4
Tetrachloro-m-xylene	3.525	3.470	3.580	21.020	20.000	5.1
alpha-BHC	3.972	3.920	4.020	9.250	10.000	-7.5
beta-BHC	4.487	4.440	4.540	9.770	10.000	-2.3
gamma-BHC (Lindane)	4.299	4.250	4.350	9.540	10.000	-4.6
Endrin	6.528	6.460	6.600	49.100	50.000	-1.8
4,4'-DDT	6.976	6.910	7.050	99.450	100.000	-0.6
Methoxychlor	7.449	7.380	7.520	233.030	250.000	-6.8

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097524.D Date Analyzed: 10/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:06

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.980	7.880	8.080	21.730	20.000	8.7
Tetrachloro-m-xylene	2.822	2.770	2.870	20.010	20.000	0.1
alpha-BHC	3.327	3.280	3.380	9.920	10.000	-0.8
beta-BHC	3.954	3.900	4.000	9.860	10.000	-1.4
gamma-BHC (Lindane)	3.659	3.610	3.710	9.560	10.000	-4.4
Endrin	5.699	5.630	5.770	48.200	50.000	-3.6
4,4'-DDT	6.098	6.030	6.170	101.840	100.000	1.8
Methoxychlor	6.670	6.600	6.740	214.490	250.000	-14.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097524.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 10:06
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 14:33:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 14:32:10 2025
 Response via : Initial 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...	3.525	2.822	85683400	121.8E6	21.018	20.011
28)	SA Decachlor...	8.995	7.980	66841952	112.7E6	22.478	21.728
Target Compounds							
2)	A alpha-BHC	3.972	3.327	62410931	97859114	9.252	9.918
3)	MA gamma-BHC...	4.299	3.659	60643492	87784486	9.541	9.555
6)	B beta-BHC	4.487	3.954	25254750	39230868	9.768	9.862
14)	MA Endrin	6.528	5.699	219.7E6	356.7E6	49.099	48.195
16)	A 4,4'-DDD	6.662	5.847	4657332	7034991	1.234	1.103
17)	MA 4,4'-DDT	6.976	6.098	403.2E6	678.6E6	99.449	101.838
18)	B Endrin al...	6.872	6.170	1414620	13411474	0.432m	2.329 #
20)	A Methoxychlor	7.449	6.670	486.8E6	781.9E6	233.027	214.495
21)	B Endrin ke...	7.582	6.895	4108757	13404328	0.960m	1.697 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 10:06
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

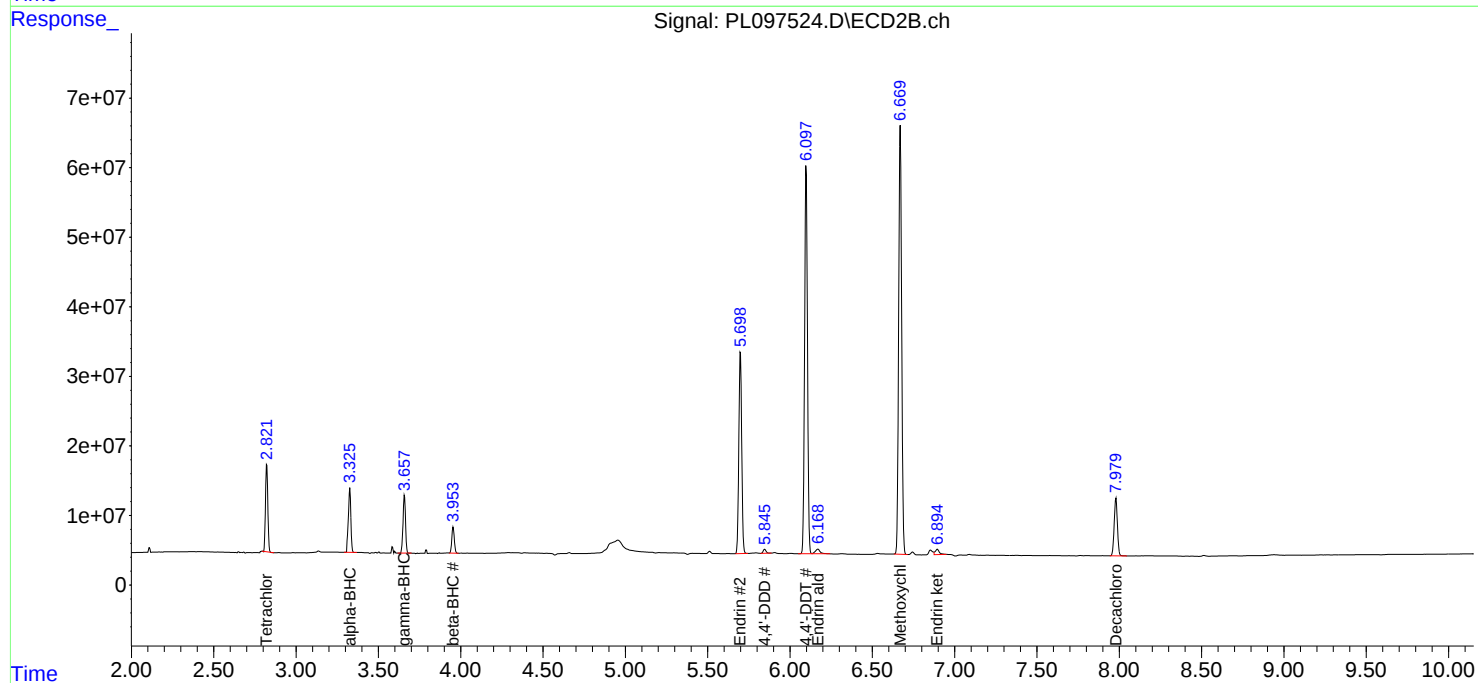
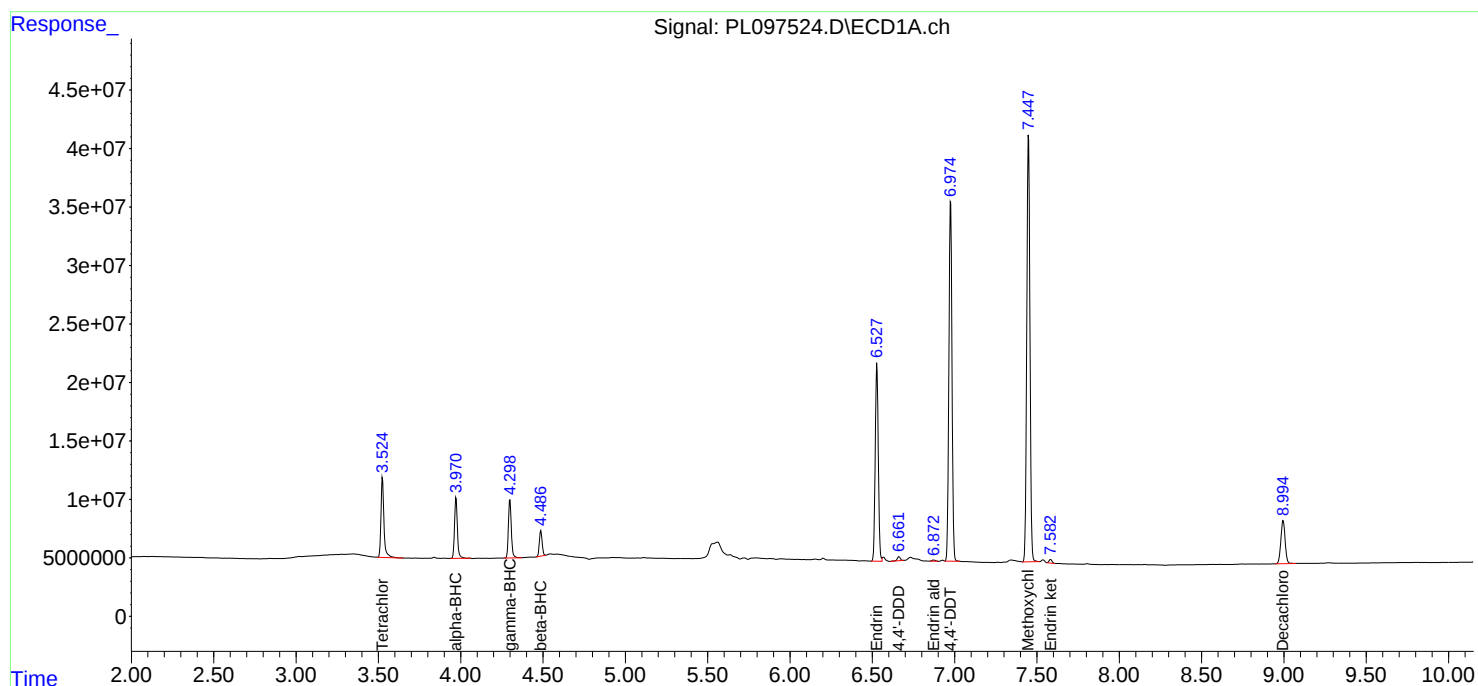
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/08/2025
Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 14:33:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 14:32:10 2025
Response via : Initial 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: LANG01

Lab Code: ACE

SDG NO.: Q3310

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097597.D Date Analyzed: 10/10/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:24

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.993	8.890	9.090	24.710	20.000	23.6
Tetrachloro-m-xylene	3.524	3.470	3.570	24.160	20.000	20.8
alpha-BHC	3.970	3.920	4.020	10.510	10.000	5.1
beta-BHC	4.486	4.440	4.540	11.630	10.000	16.3
gamma-BHC (Lindane)	4.298	4.250	4.350	10.850	10.000	8.5
Endrin	6.527	6.460	6.600	50.570	50.000	1.1
4,4'-DDT	6.974	6.900	7.040	97.640	100.000	-2.4
Methoxychlor	7.447	7.380	7.520	226.000	250.000	-9.6

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/07/2025 10/07/2025

Client Sample No. (PEM): PEM - PL097597.D Date Analyzed: 10/10/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:24

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.978	7.880	8.080	20.650	20.000	3.3
Tetrachloro-m-xylene	2.822	2.770	2.870	21.820	20.000	9.1
alpha-BHC	3.326	3.280	3.380	9.620	10.000	-3.8
beta-BHC	3.954	3.900	4.000	10.300	10.000	3.0
gamma-BHC (Lindane)	3.658	3.610	3.710	9.780	10.000	-2.2
Endrin	5.697	5.630	5.770	47.410	50.000	-5.2
4,4'-DDT	6.097	6.030	6.170	93.730	100.000	-6.3
Methoxychlor	6.668	6.600	6.740	195.050	250.000	-22.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 10:24
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/13/2025
 Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:17:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 2025
 Response via : Initial 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...	3.524	2.822	98502248	132.8E6	24.162	21.821
28)	SA Decachlor...	8.993	7.978	73476339	107.1E6	24.709	20.647
Target Compounds							
2)	A alpha-BHC	3.970	3.326	70897757	94957032	10.510	9.624
3)	MA gamma-BHC...	4.298	3.658	68939208	89857619	10.846	9.781
6)	B beta-BHC	4.486	3.954	30056953	40955508	11.625	10.295
12)	B 4,4'-DDE	6.151	5.291	1209776	1222782	0.260m	0.161m#
14)	MA Endrin	6.527	5.697	226.3E6	350.9E6	50.567	47.407
16)	A 4,4'-DDD	6.659	5.844	24153794	34915254	6.401m	5.474
17)	MA 4,4'-DDT	6.974	6.097	395.9E6	624.5E6	97.637	93.727
18)	B Endrin al...	6.869	6.168	4045275	10218900	1.235m	1.775 #
20)	A Methoxychlor	7.447	6.668	472.1E6	711.0E6	226.000	195.050
21)	B Endrin ke...	7.581	6.894	14663100	25855603	3.425	3.273

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:24
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

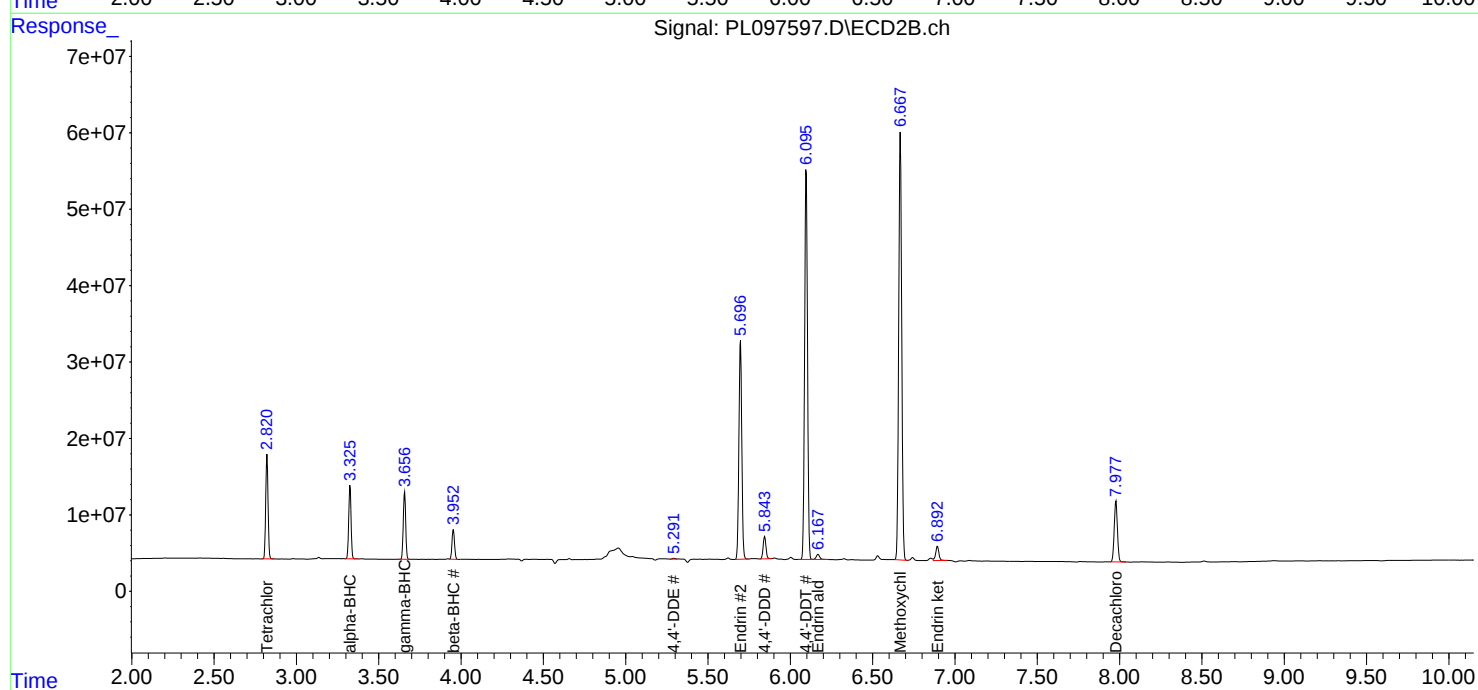
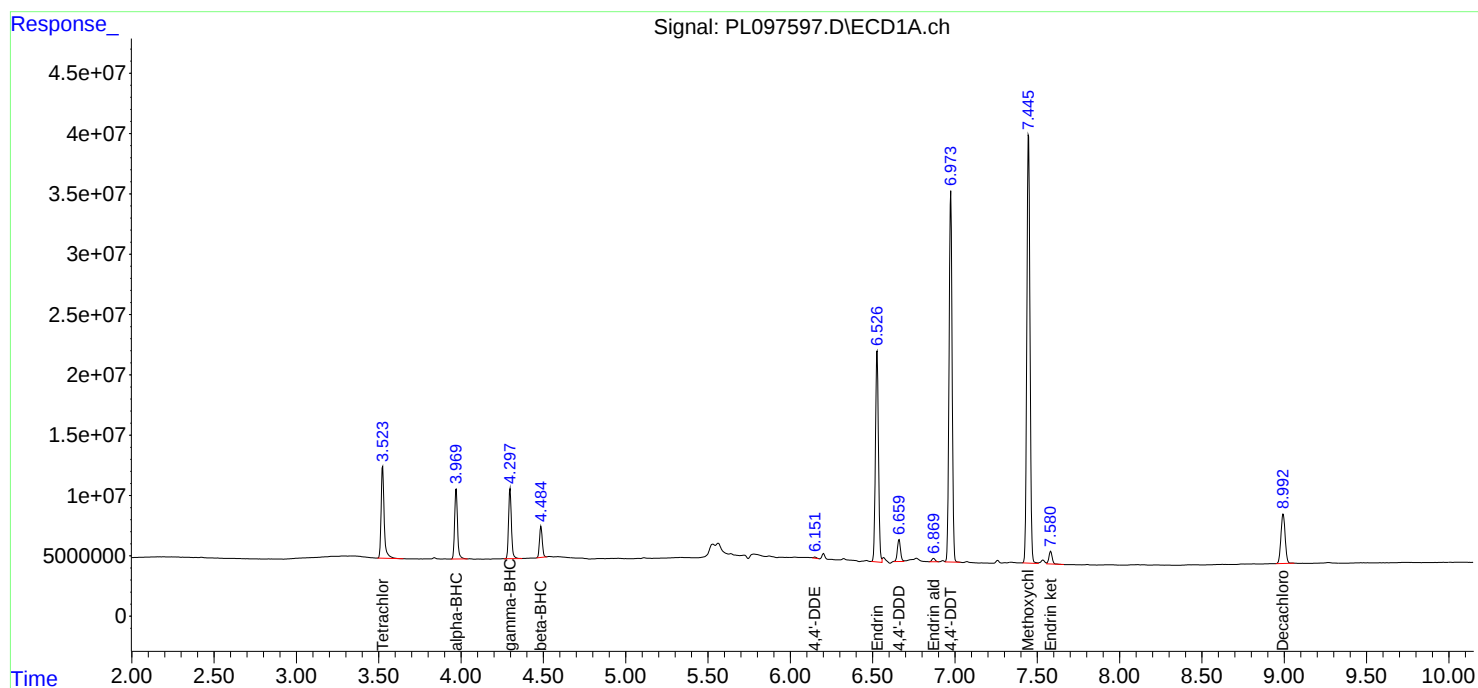
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/13/2025
Supervised By : mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:17:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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: Langan Engineering and Environmental Se	SDG No.: Q3310
Project: Con Edison Richmond Terrace	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/07/2025 10/07/2025

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	10/07/2025	09:53	PL097523.D	9.00	3.52
PEM	PEM	10/07/2025	10:06	PL097524.D	9.00	3.53
RESCHK	RESCHK	10/07/2025	10:20	PL097525.D	9.00	3.53
PSTDICCC100	PSTDICCC100	10/07/2025	10:33	PL097526.D	9.00	3.53
PSTDICCC075	PSTDICCC075	10/07/2025	10:47	PL097527.D	9.00	3.52
PSTDICCC050	PSTDICCC050	10/07/2025	11:00	PL097528.D	9.00	3.53
PSTDICCC025	PSTDICCC025	10/07/2025	11:41	PL097529.D	9.00	3.53
PSTDICCC005	PSTDICCC005	10/07/2025	11:55	PL097530.D	9.00	3.53
PCHLORICC500	PCHLORICC500	10/07/2025	13:05	PL097533.D	9.00	3.52
PTOXICC500	PTOXICC500	10/07/2025	14:13	PL097538.D	9.00	3.53
IBLK	IBLK	10/10/2025	10:11	PL097596.D	8.99	3.52
PEM	PEM	10/10/2025	10:24	PL097597.D	8.99	3.52
PSTDCCC050	PSTDCCC050	10/10/2025	13:05	PL097598.D	9.00	3.52
PB170054BL	PB170054BL	10/10/2025	13:44	PL097599.D	9.00	3.53
SS-01-0-1	Q3310-01	10/10/2025	14:11	PL097601.D	8.99	3.52
SS-01-0-1MS	Q3310-01MS	10/10/2025	14:25	PL097602.D	8.99	3.52
SS-01-0-1MSD	Q3310-01MSD	10/10/2025	14:38	PL097603.D	8.99	3.52
SS-01-1-2	Q3310-02	10/10/2025	14:52	PL097604.D	8.99	3.52
SS-01-2-3	Q3310-03	10/10/2025	15:19	PL097606.D	8.99	3.53
PB170054BS	PB170054BS	10/10/2025	16:51	PL097608.D	9.00	3.52
IBLK	IBLK	10/10/2025	17:07	PL097609.D	9.00	3.52
PSTDCCC050	PSTDCCC050	10/10/2025	17:20	PL097610.D	8.99	3.52

Analytical Sequence

Client: Langan Engineering and Environmental Se	SDG No.: Q3310
Project: Con Edison Richmond Terrace	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/07/2025 10/07/2025

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	10/07/2025	09:53	PL097523.D	7.98	2.82
PEM	PEM	10/07/2025	10:06	PL097524.D	7.98	2.82
RESCHK	RESCHK	10/07/2025	10:20	PL097525.D	7.98	2.82
PSTDICC100	PSTDICC100	10/07/2025	10:33	PL097526.D	7.98	2.82
PSTDICC075	PSTDICC075	10/07/2025	10:47	PL097527.D	7.98	2.82
PSTDICC050	PSTDICC050	10/07/2025	11:00	PL097528.D	7.98	2.82
PSTDICC025	PSTDICC025	10/07/2025	11:41	PL097529.D	7.98	2.82
PSTDICC005	PSTDICC005	10/07/2025	11:55	PL097530.D	7.98	2.82
PCHLORICC500	PCHLORICC500	10/07/2025	13:05	PL097533.D	7.98	2.82
PTOXICC500	PTOXICC500	10/07/2025	14:13	PL097538.D	7.98	2.82
IBLK	IBLK	10/10/2025	10:11	PL097596.D	7.98	2.82
PEM	PEM	10/10/2025	10:24	PL097597.D	7.98	2.82
PSTDCCC050	PSTDCCC050	10/10/2025	13:05	PL097598.D	7.98	2.82
PB170054BL	PB170054BL	10/10/2025	13:44	PL097599.D	7.98	2.82
SS-01-0-1	Q3310-01	10/10/2025	14:11	PL097601.D	7.98	2.82
SS-01-0-1MS	Q3310-01MS	10/10/2025	14:25	PL097602.D	7.98	2.82
SS-01-0-1MSD	Q3310-01MSD	10/10/2025	14:38	PL097603.D	7.98	2.82
SS-01-1-2	Q3310-02	10/10/2025	14:52	PL097604.D	7.98	2.82
SS-01-2-3	Q3310-03	10/10/2025	15:19	PL097606.D	7.98	2.82
PB170054BS	PB170054BS	10/10/2025	16:51	PL097608.D	7.98	2.82
IBLK	IBLK	10/10/2025	17:07	PL097609.D	7.98	2.82
PSTDCCC050	PSTDCCC050	10/10/2025	17:20	PL097610.D	7.98	2.82

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170054BS

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: PB170054BS

Date(s) Analyzed: 10/10/2025 10/10/2025

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	6.74	6.69	6.79	17.8	0.6
	2	5.99	5.94	6.04	17.7	
Endrin aldehyde	1	6.87	6.82	6.92	18.8	17.3
	2	6.17	6.12	6.22	15.8	
Endosulfan sulfate	1	7.10	7.05	7.15	18.7	8.4
	2	6.39	6.34	6.44	17.2	
Methoxychlor	1	7.45	7.40	7.50	16.6	10.1
	2	6.67	6.62	6.72	15.0	
Endrin ketone	1	7.58	7.53	7.63	19.1	17
	2	6.90	6.85	6.95	16.1	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	19.7	2.6
	2	3.66	3.61	3.71	19.2	
Heptachlor	1	4.89	4.84	4.94	18.6	2.2
	2	4.00	3.95	4.05	18.2	
delta-BHC	1	4.73	4.68	4.78	19.5	2.1
	2	4.19	4.14	4.24	19.1	
Heptachlor epoxide	1	5.65	5.60	5.70	18.1	6.9
	2	4.79	4.74	4.84	19.4	
Endosulfan I	1	6.03	5.98	6.08	19.1	4.3
	2	5.16	5.11	5.21	18.3	
gamma-Chlordane	1	5.90	5.85	5.95	19.4	9.2
	2	5.04	4.99	5.09	17.7	
Dieldrin	1	6.30	6.25	6.35	19.3	8.1
	2	5.42	5.37	5.47	17.8	
Endrin	1	6.53	6.48	6.58	17.9	7.5
	2	5.70	5.65	5.75	16.6	
4,4'-DDD	1	6.66	6.61	6.71	20.5	9.2
	2	5.85	5.80	5.90	18.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170054BS

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: PB170054BS

Date(s) Analyzed: 10/10/2025 10/10/2025

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	6.98	6.93	7.03	17.6	7.7
	2	6.10	6.05	6.15	16.3	
alpha-BHC	1	3.97	3.92	4.02	19.7	1.5
	2	3.33	3.28	3.38	19.4	
Aldrin	1	5.23	5.18	5.28	19.3	2.6
	2	4.29	4.24	4.34	18.8	
beta-BHC	1	4.49	4.44	4.54	19.8	7.9
	2	3.95	3.90	4.00	18.3	
alpha-Chlordane	1	5.98	5.93	6.03	19.0	6
	2	5.10	5.05	5.15	17.9	
4,4'-DDE	1	6.15	6.10	6.20	19.8	6.8
	2	5.29	5.24	5.34	18.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-01

Date(s) Analyzed: 10/10/2025 10/10/2025

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	6.67	6.62	6.72	1.90	93.2
	2	5.84	5.79	5.89	0.69	
4,4'-DDT	1	6.97	6.92	7.02	0.92	111
	2	6.09	6.04	6.14	3.20	
gamma-Chlordane	1	5.90	5.85	5.95	4.10	18.7
	2	5.04	4.99	5.09	3.40	
alpha-Chlordane	1	5.98	5.93	6.03	3.60	18.2
	2	5.10	5.05	5.15	3.00	
4,4'-DDE	1	6.15	6.10	6.20	0.94	46.1
	2	5.29	5.24	5.34	0.59	
Dieldrin	1	6.30	6.25	6.35	3.10	25.4
	2	5.42	5.37	5.47	4.00	
Endrin	1	6.53	6.48	6.58	0.65	3.9
	2	5.70	5.65	5.75	0.67	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MS

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-01MS

Date(s) Analyzed: 10/10/2025 10/10/2025

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	6.66	6.61	6.71	23.9	40.8
	2	5.85	5.80	5.90	15.8	
4,4'-DDT	1	6.97	6.92	7.02	22.9	23.4
	2	6.10	6.05	6.15	18.1	
alpha-BHC	1	3.97	3.92	4.02	19.8	12.9
	2	3.33	3.28	3.38	17.4	
Aldrin	1	5.23	5.18	5.28	19.6	13.6
	2	4.29	4.24	4.34	17.1	
beta-BHC	1	4.49	4.44	4.54	18.3	13.4
	2	3.95	3.90	4.00	16.0	
alpha-Chlordane	1	5.98	5.93	6.03	23.6	28
	2	5.10	5.05	5.15	17.8	
4,4'-DDE	1	6.15	6.10	6.20	20.3	22.5
	2	5.29	5.24	5.34	16.2	
Endosulfan II	1	6.74	6.69	6.79	17.9	9.4
	2	5.99	5.94	6.04	16.3	
Endrin aldehyde	1	6.87	6.82	6.92	19.7	23.9
	2	6.17	6.12	6.22	15.5	
Endosulfan sulfate	1	7.10	7.05	7.15	23.3	6.7
	2	6.39	6.34	6.44	21.8	
Methoxychlor	1	7.45	7.40	7.50	25.8	34.5
	2	6.67	6.62	6.72	18.2	
Endrin ketone	1	7.58	7.53	7.63	22.8	54
	2	6.90	6.85	6.95	13.1	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	19.9	6.8
	2	3.66	3.61	3.71	18.6	
Heptachlor	1	4.89	4.84	4.94	19.9	17.5
	2	4.01	3.96	4.06	16.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MS

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-01MS

Date(s) Analyzed: 10/10/2025 10/10/2025

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	4.73	4.68	4.78	21.0	19.3
	2	4.19	4.14	4.24	17.3	
Heptachlor epoxide	1	5.65	5.60	5.70	20.5	20.4
	2	4.79	4.74	4.84	16.7	
Endosulfan I	1	6.03	5.98	6.08	20.5	24
	2	5.16	5.11	5.21	16.1	
gamma-Chlordane	1	5.90	5.85	5.95	24.6	16.7
	2	5.04	4.99	5.09	20.8	
Dieldrin	1	6.30	6.25	6.35	24.6	25.7
	2	5.42	5.37	5.47	19.0	
Endrin	1	6.53	6.48	6.58	19.7	24.5
	2	5.70	5.65	5.75	15.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MSD

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-01MSD

Date(s) Analyzed: 10/10/2025 10/10/2025

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	6.74	6.69	6.79	18.3	8
	2	5.99	5.94	6.04	16.9	
4,4'-DDD	1	6.66	6.61	6.71	25.4	43.1
	2	5.85	5.80	5.90	16.4	
4,4'-DDT	1	6.97	6.92	7.02	24.1	24.2
	2	6.10	6.05	6.15	18.9	
Endrin aldehyde	1	6.87	6.82	6.92	20.8	27.3
	2	6.17	6.12	6.22	15.8	
Endosulfan sulfate	1	7.10	7.05	7.15	24.8	9.3
	2	6.39	6.34	6.44	22.6	
Methoxychlor	1	7.45	7.40	7.50	27.2	35
	2	6.67	6.62	6.72	19.1	
Endrin ketone	1	7.58	7.53	7.63	24.0	56
	2	6.90	6.85	6.95	13.5	
alpha-BHC	1	3.97	3.92	4.02	21.4	14
	2	3.33	3.28	3.38	18.6	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	21.5	8.2
	2	3.66	3.61	3.71	19.8	
Heptachlor	1	4.89	4.84	4.94	20.5	14.7
	2	4.01	3.96	4.06	17.7	
Aldrin	1	5.23	5.18	5.28	21.3	11.4
	2	4.29	4.24	4.34	19.0	
beta-BHC	1	4.49	4.44	4.54	19.5	16.7
	2	3.96	3.91	4.01	16.5	
delta-BHC	1	4.73	4.68	4.78	22.3	19.2
	2	4.19	4.14	4.24	18.4	
Heptachlor epoxide	1	5.65	5.60	5.70	21.4	19.5
	2	4.79	4.74	4.84	17.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-0-1MSD

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-01MSD

Date(s) Analyzed: 10/10/2025 10/10/2025

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	6.03	5.98	6.08	22.5	27.8
	2	5.16	5.11	5.21	17.0	
gamma-Chlordane	1	5.90	5.85	5.95	24.8	12.4
	2	5.04	4.99	5.09	21.9	
alpha-Chlordane	1	5.98	5.93	6.03	24.3	26
	2	5.11	5.06	5.16	18.7	
4,4'-DDE	1	6.15	6.10	6.20	21.3	22.5
	2	5.29	5.24	5.34	17.0	
Dieldrin	1	6.30	6.25	6.35	27.5	32.1
	2	5.42	5.37	5.47	19.9	
Endrin	1	6.53	6.48	6.58	20.9	27.2
	2	5.70	5.65	5.75	15.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-1-2

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-02

Date(s) Analyzed: 10/10/2025 10/10/2025

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	6.66	6.61	6.71	2.50	70.3
	2	5.84	5.79	5.89	1.20	
4,4'-DDT	1	6.97	6.92	7.02	1.40	56.4
	2	6.09	6.04	6.14	2.50	
gamma-Chlordane	1	5.90	5.85	5.95	1.20	49.9
	2	5.04	4.99	5.09	0.72	
alpha-Chlordane	1	5.98	5.93	6.03	1.70	51.9
	2	5.10	5.05	5.15	1.00	
4,4'-DDE	1	6.15	6.10	6.20	1.70	42.9
	2	5.29	5.24	5.34	1.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SS-01-2-3

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab Sample ID: Q3310-03

Date(s) Analyzed: 10/10/2025 10/10/2025

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	6.97	6.92	7.02	0.42	11.9
	2	6.10	6.05	6.15	0.47	
Endosulfan sulfate	1	7.10	7.05	7.15	0.44	67.6
	2	6.39	6.34	6.44	0.22	
4,4'-DDE	1	6.15	6.10	6.20	0.30	17.9
	2	5.29	5.24	5.34	0.25	



QC SAMPLE DATA

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	PB170054BL	SDG No.:	Q3310
Lab Sample ID:	PB170054BL	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
PL097599.D	1	10/10/25 09:06	10/10/25 13:44	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		20 - 144	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		19 - 148	93%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:		
Project:	Con Edison Richmond Terrace		Date Received:		
Client Sample ID:	PB170054BL		SDG No.:	Q3310	
Lab Sample ID:	PB170054BL		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
PL097599.D	1	10/10/25 09:06	10/10/25 13:44	PB170054

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\PL101025\
Data File : PL097599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:44
Operator : AR\AJ
Sample : PB170054BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB170054BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:18:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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...	3.525	2.819	75771760	103.0E6	18.586	16.926
28)	SA Decachlor...	8.998	7.979	61337373	88329053	20.627	17.022

Target Compounds

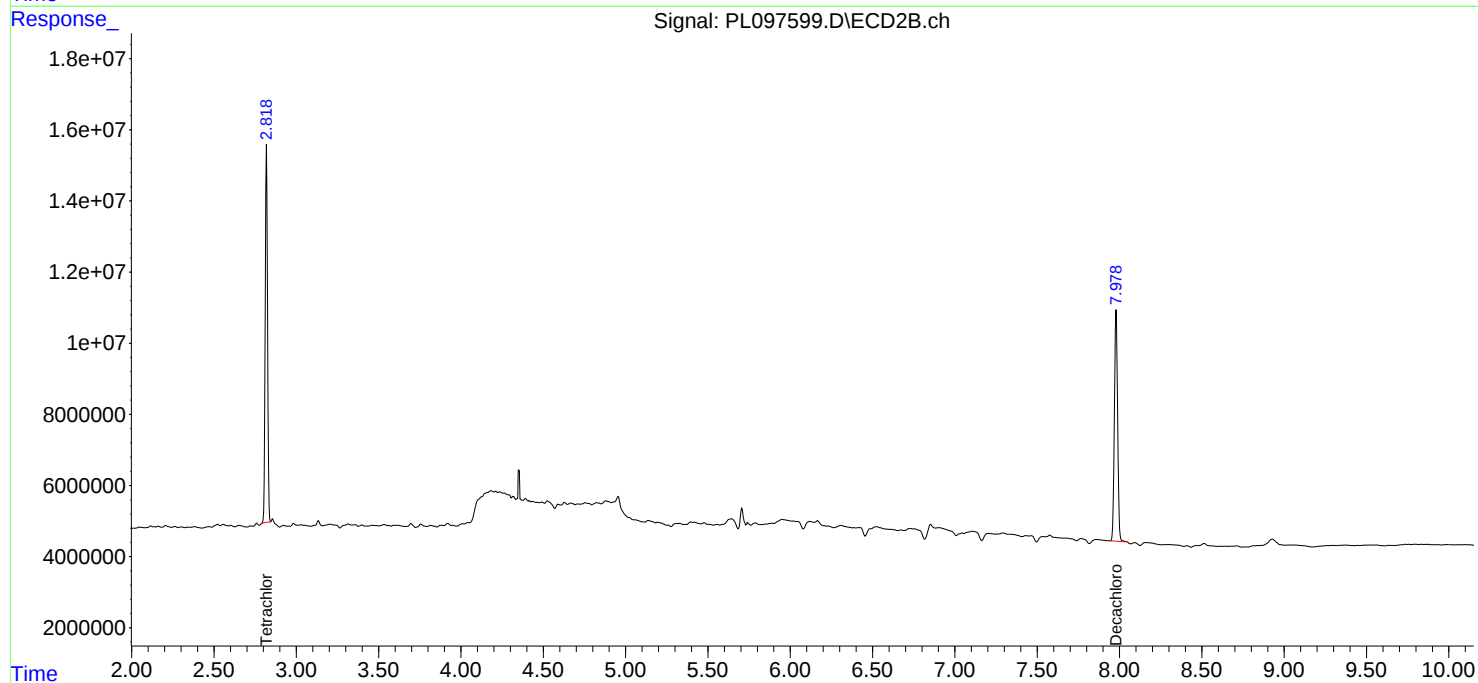
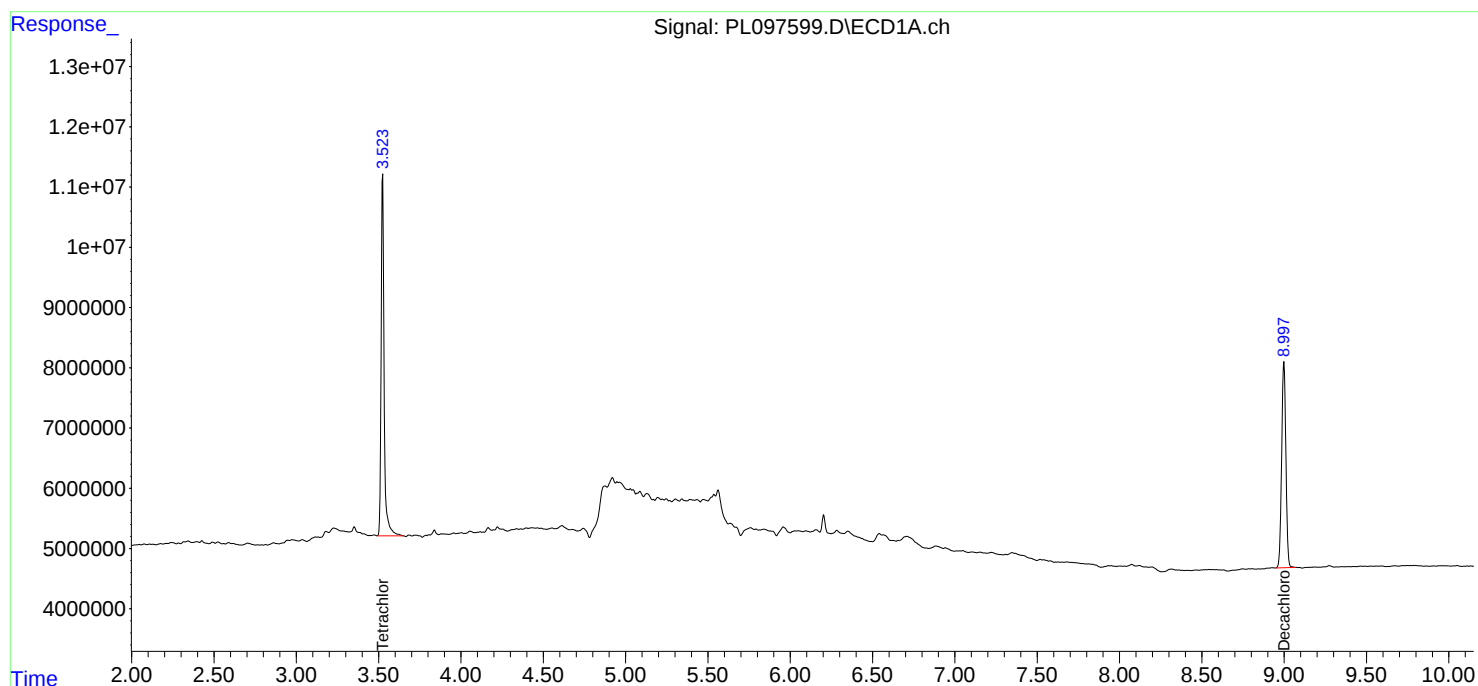
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

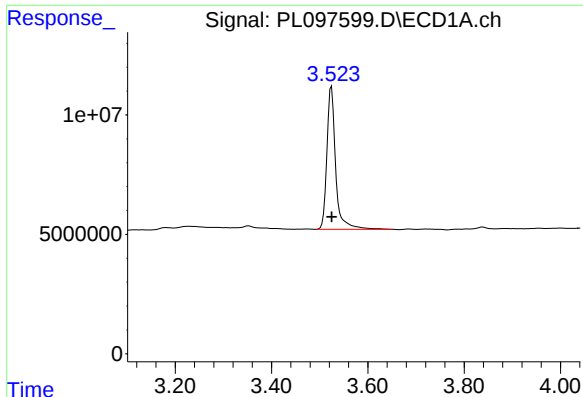
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 13:44
Operator : AR\AJ
Sample : PB170054BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB170054BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:18:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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

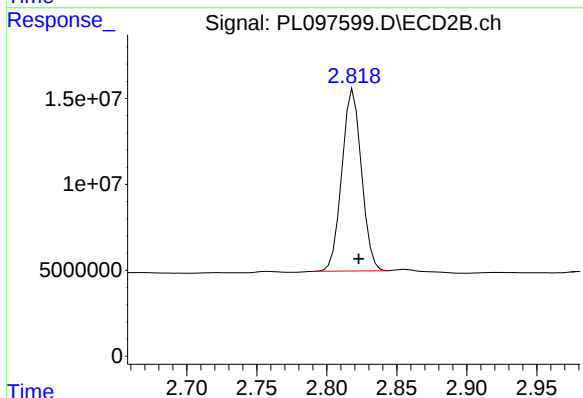




#1 Tetrachloro-m-xylene

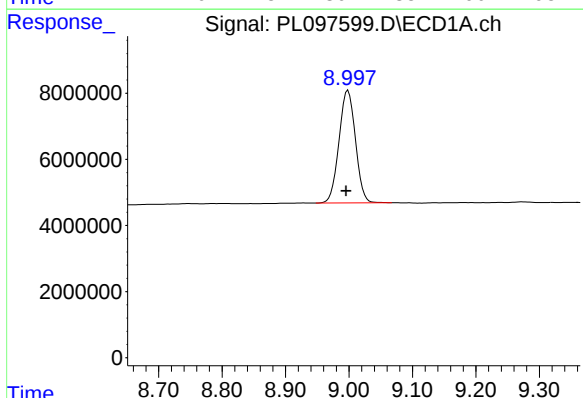
R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 75771760
Conc: 18.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB170054BL



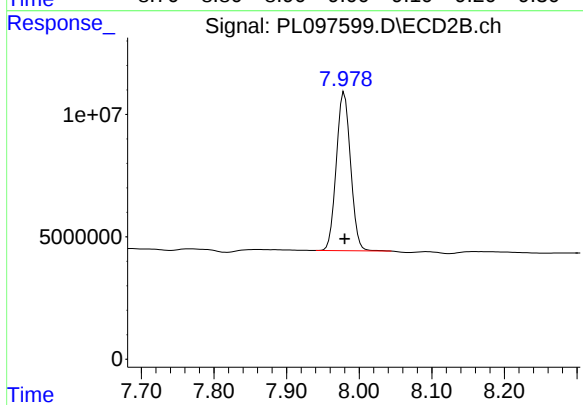
#1 Tetrachloro-m-xylene

R.T.: 2.819 min
Delta R.T.: -0.004 min
Response: 103018719
Conc: 16.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: 0.003 min
Response: 61337373
Conc: 20.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 88329053
Conc: 17.02 ng/ml

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace			Date Received:	10/07/25	
Client Sample ID:	PIBLK-PL097523.D			SDG No.:	Q3310	
Lab Sample ID:	I.BLK-PL097523.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
PL097523.D	1		10/07/25	PL100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		57 - 171	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		61 - 148	97%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/07/25	
Client Sample ID:	PIBLK-PL097523.D		SDG No.:	Q3310	
Lab Sample ID:	I.BLK-PL097523.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
PL097523.D	1		10/07/25	PL100725

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\PL100725\
Data File : PL097523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 09:53
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: Oct 07 14:33:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 14:32:10 2025
Response via : Initial 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...	3.524	2.822	78343871	117.7E6	19.217	19.341
28)	SA Decachlor...	8.995	7.979	63482543	107.1E6	21.348	20.633

Target Compounds

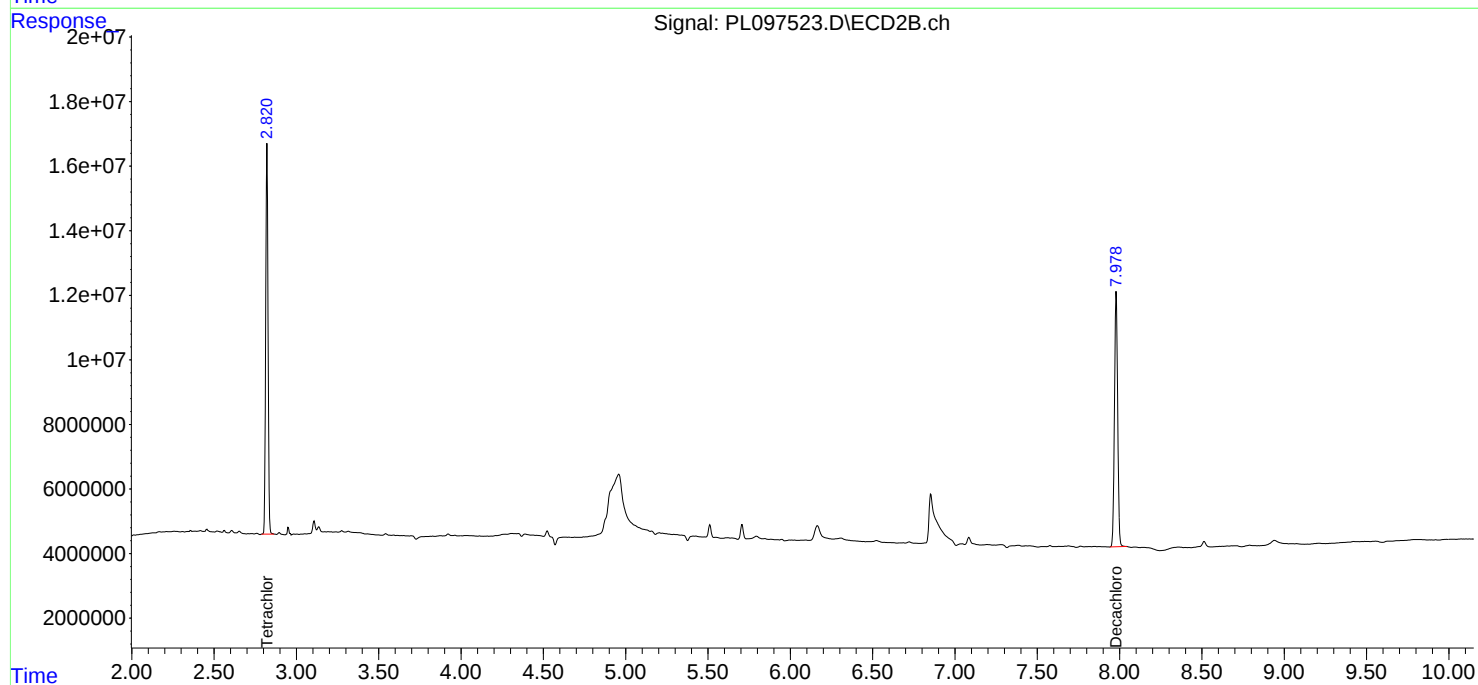
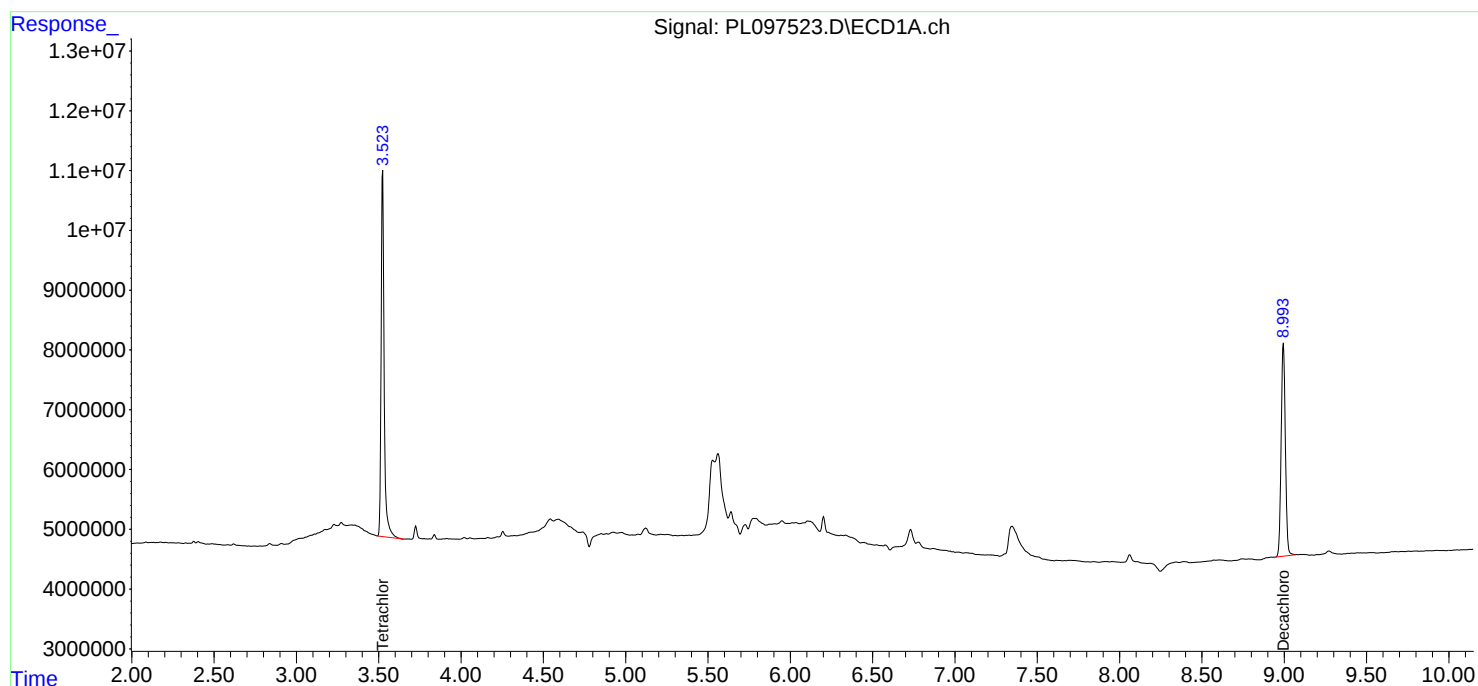
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

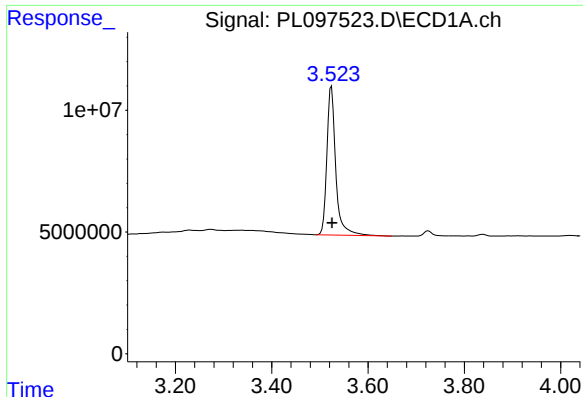
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
Data File : PL097523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Oct 2025 09:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 14:33:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 14:32:10 2025
Response via : Initial 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

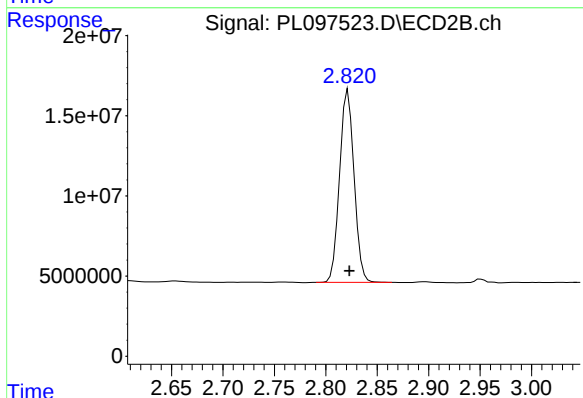




#1 Tetrachloro-m-xylene

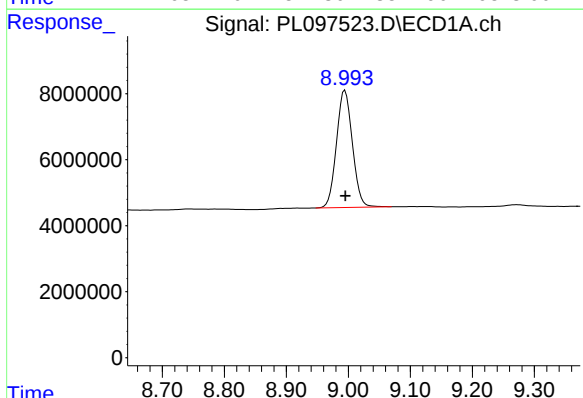
R.T.: 3.524 min
Delta R.T.: 0.000 min
Response: 78343871
Conc: 19.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



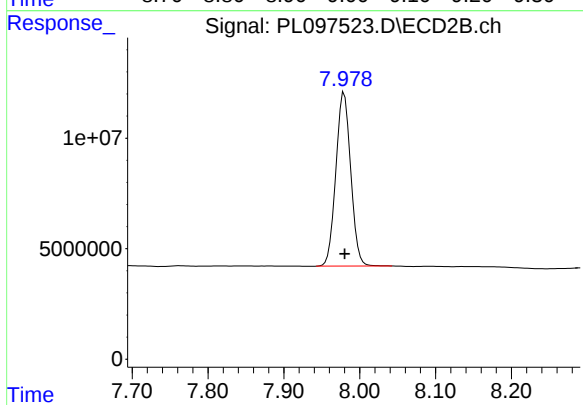
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 117720292
Conc: 19.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 63482543
Conc: 21.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 107064301
Conc: 20.63 ng/ml

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	10/10/25	
Project:	Con Edison Richmond Terrace			Date Received:	10/10/25	
Client Sample ID:	PIBLK-PL097596.D			SDG No.:	Q3310	
Lab Sample ID:	I.BLK-PL097596.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
PL097596.D	1		10/10/25	PL101025

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	24.3		57 - 171	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		61 - 148	115%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/10/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/10/25	
Client Sample ID:	PIBLK-PL097596.D		SDG No.:	Q3310	
Lab Sample ID:	I.BLK-PL097596.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
PL097596.D	1		10/10/25	PL101025

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\PL101025\
Data File : PL097596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:11
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: Oct 11 07:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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...	3.523	2.821	93609946	129.4E6	22.962	21.254
28)	SA Decachlor...	8.994	7.977	72140120	102.3E6	24.260	19.705

Target Compounds

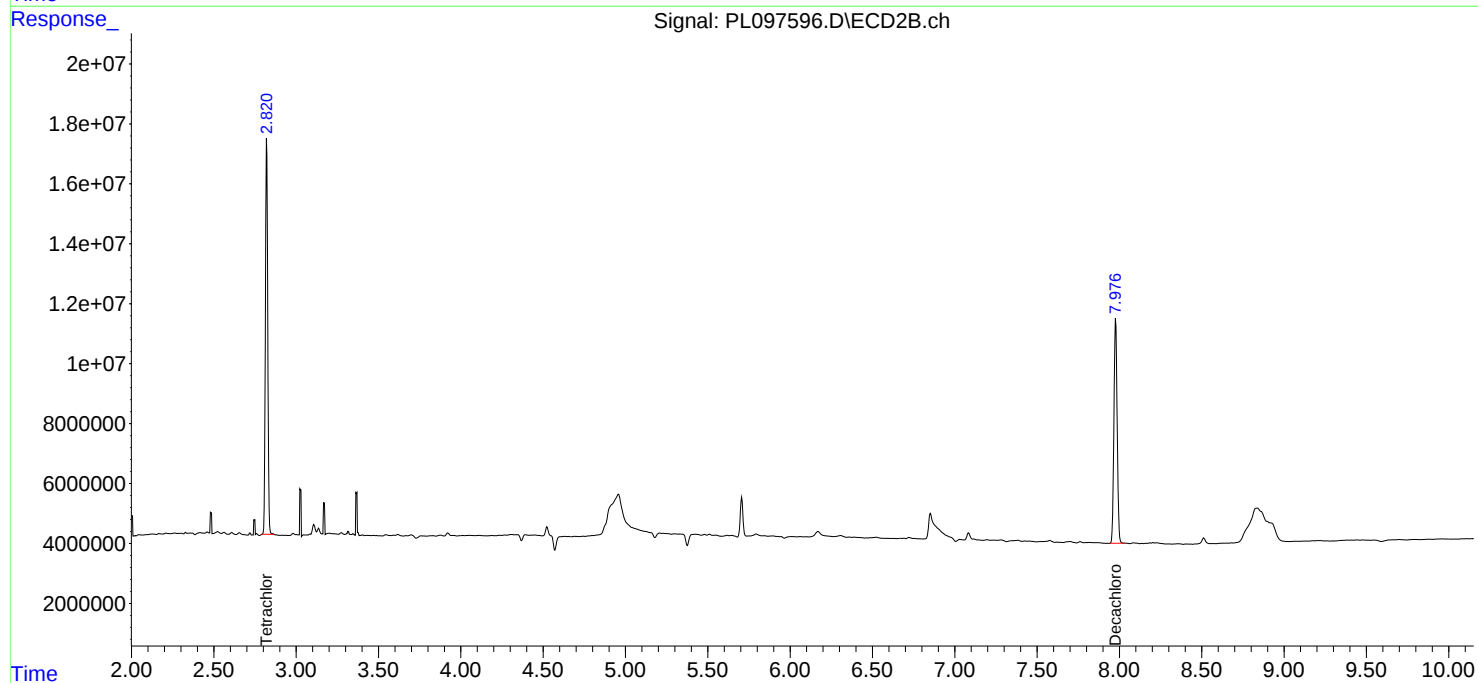
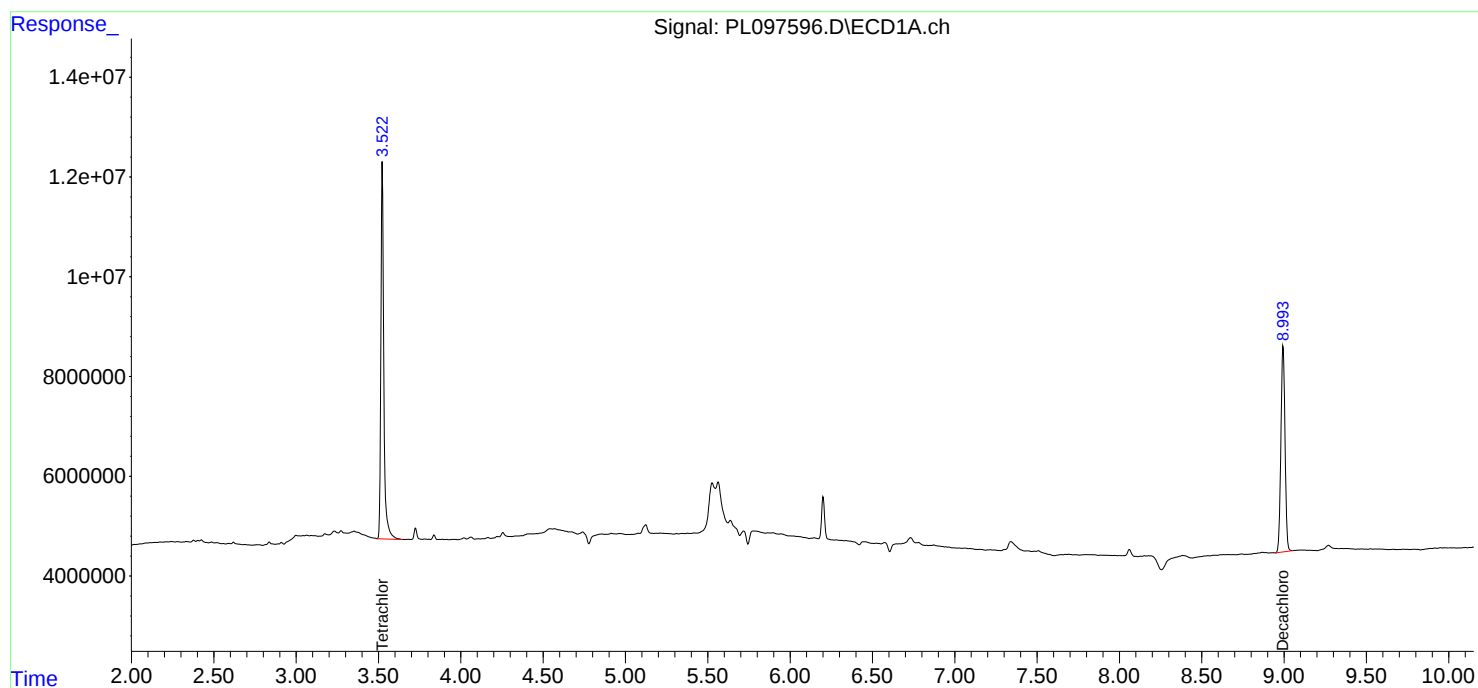
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

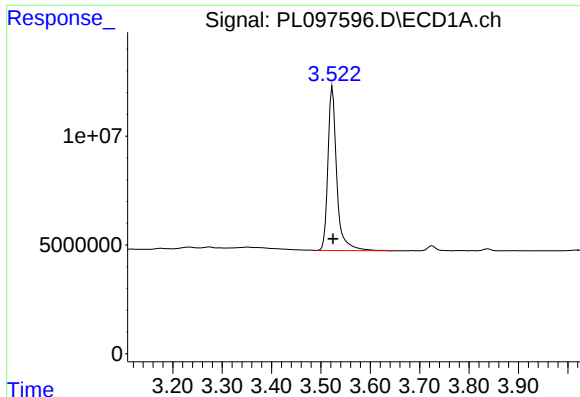
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 10:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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

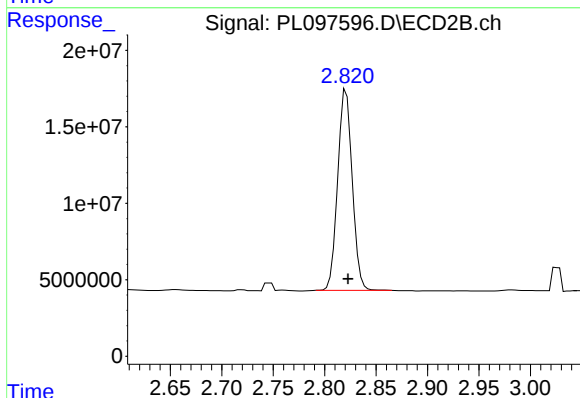




#1 Tetrachloro-m-xylene

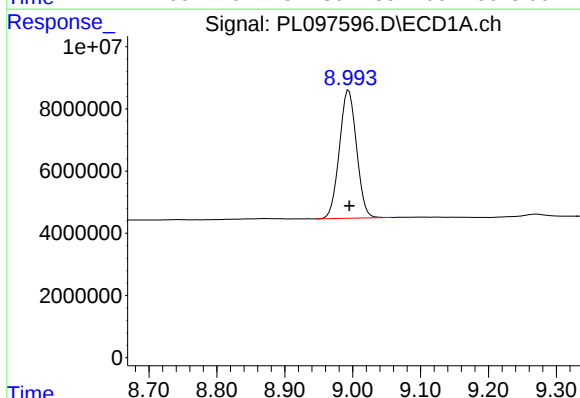
R.T.: 3.523 min
Delta R.T.: -0.002 min
Response: 93609946
Conc: 22.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



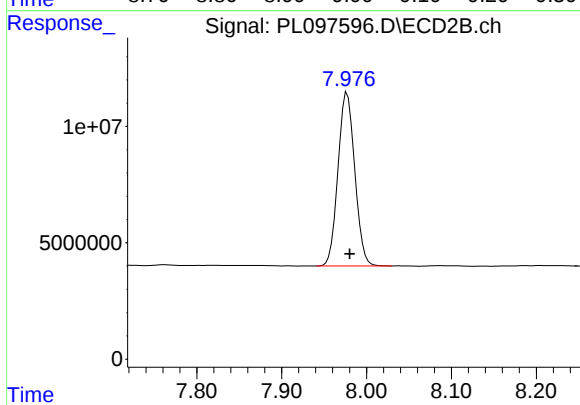
#1 Tetrachloro-m-xylene

R.T.: 2.821 min
Delta R.T.: -0.002 min
Response: 129361711
Conc: 21.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.994 min
Delta R.T.: -0.001 min
Response: 72140120
Conc: 24.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.977 min
Delta R.T.: -0.003 min
Response: 102252819
Conc: 19.71 ng/ml

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/10/25
Project:	Con Edison Richmond Terrace	Date Received:	10/10/25
Client Sample ID:	PIBLK-PL097609.D	SDG No.:	Q3310
Lab Sample ID:	I.BLK-PL097609.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
PL097609.D	1		10/10/25	pl101025

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	24.3		57 - 171	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		61 - 148	113%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/10/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/10/25	
Client Sample ID:	PIBLK-PL097609.D		SDG No.:	Q3310	
Lab Sample ID:	I.BLK-PL097609.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
PL097609.D	1		10/10/25	p1101025

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\PL101025\
Data File : PL097609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 17:07
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: Oct 11 07:20:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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...	3.523	2.820	91905006	133.0E6	22.544	21.847
28)	SA Decachlor...	8.995	7.979	72302254	102.9E6	24.314	19.827

Target Compounds

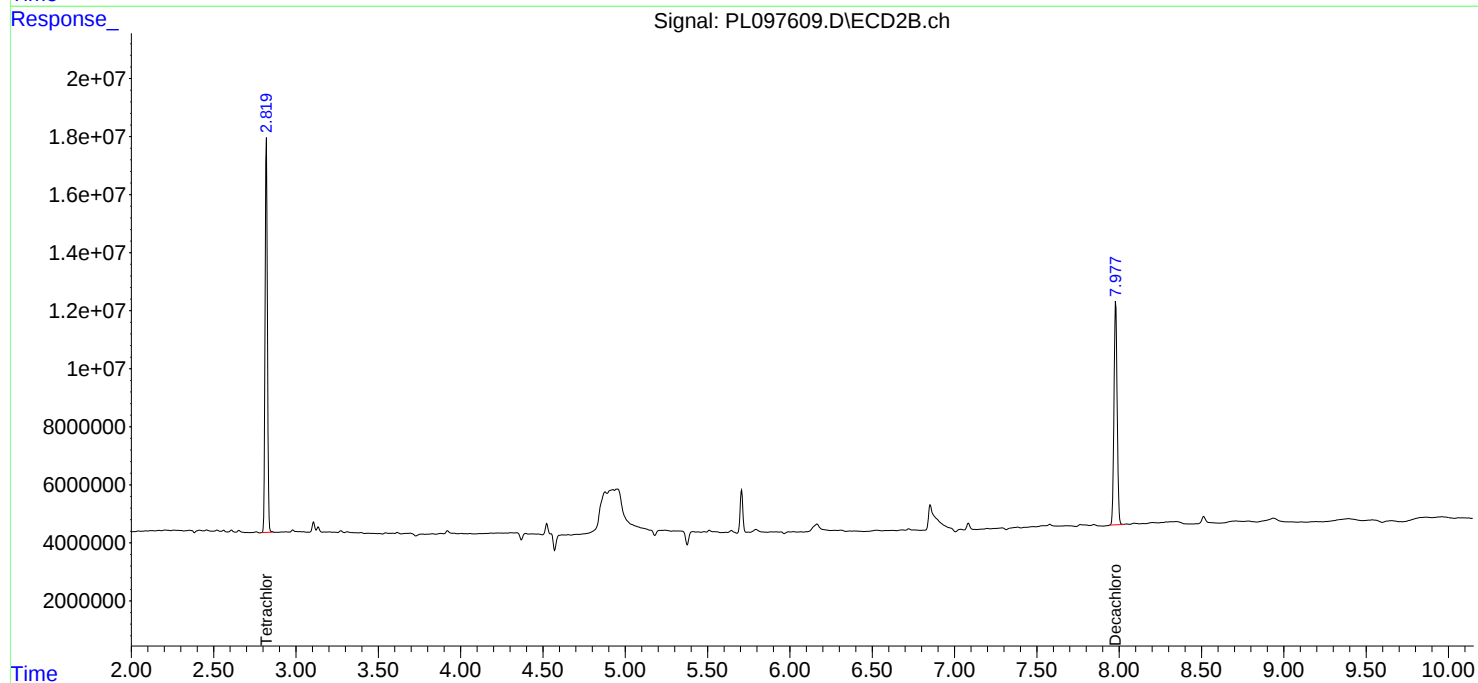
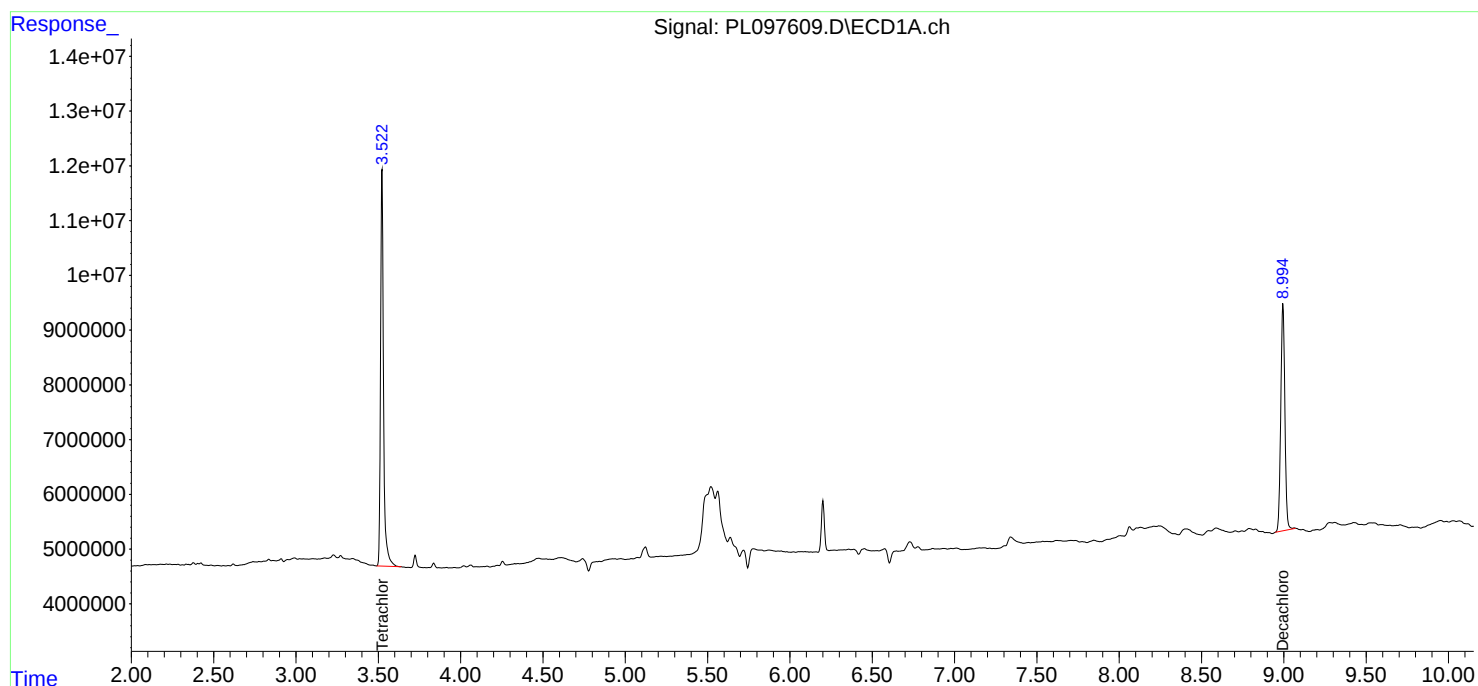
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 17:07
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

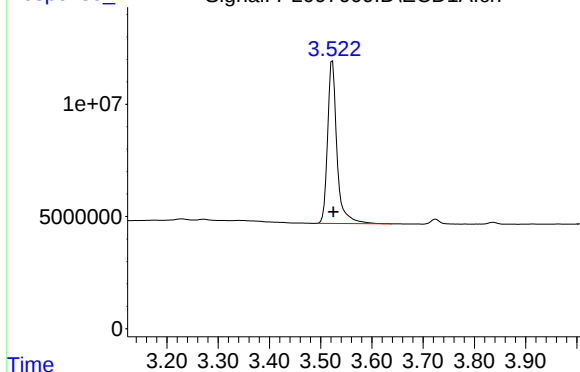
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:20:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PL097609.D\ECD1A.ch

#1 Tetrachloro-m-xylene

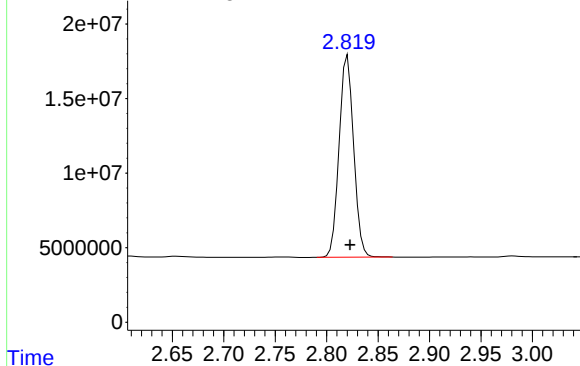


R.T.: 3.523 min
Delta R.T.: -0.002 min
Response: 91905006
Conc: 22.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

Signal: PL097609.D\ECD2B.ch

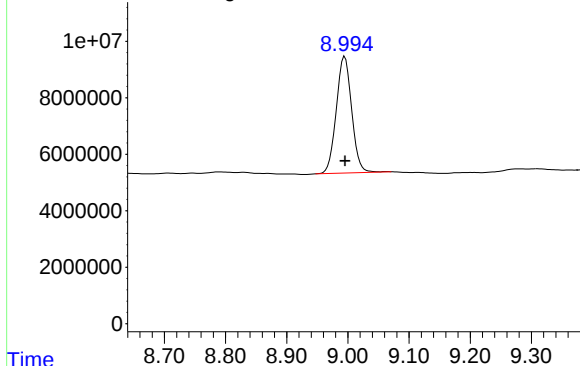
#1 Tetrachloro-m-xylene



R.T.: 2.820 min
Delta R.T.: -0.002 min
Response: 132970919
Conc: 21.85 ng/ml

Signal: PL097609.D\ECD1A.ch

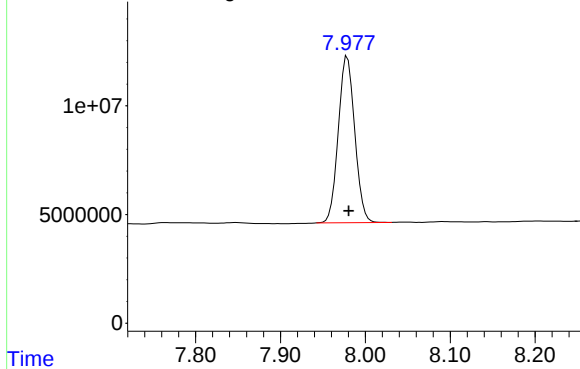
#28 Decachlorobiphenyl



R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 72302254
Conc: 24.31 ng/ml

Signal: PL097609.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.979 min
Delta R.T.: -0.001 min
Response: 102882489
Conc: 19.83 ng/ml

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	PB170054BS	SDG No.:	Q3310
Lab Sample ID:	PB170054BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097608.D	1	10/10/25 09:06	10/10/25 16:51	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.7		0.13	1.70	ug/kg
319-85-7	beta-BHC	19.8		0.18	1.70	ug/kg
319-86-8	delta-BHC	19.5		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	19.7		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.6		0.12	1.70	ug/kg
309-00-2	Aldrin	19.3		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	19.4		0.19	1.70	ug/kg
959-98-8	Endosulfan I	19.1		0.14	1.70	ug/kg
60-57-1	Dieldrin	19.3		0.14	1.70	ug/kg
72-55-9	4,4-DDE	19.8		0.14	1.70	ug/kg
72-20-8	Endrin	17.9		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.8		0.29	1.70	ug/kg
72-54-8	4,4-DDD	20.5		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.7		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.6		0.14	1.70	ug/kg
72-43-5	Methoxychlor	16.6		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	19.1		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	18.8		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	19.0		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	19.4		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		20 - 144	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		19 - 148	105%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:		
Project:	Con Edison Richmond Terrace		Date Received:		
Client Sample ID:	PB170054BS		SDG No.:	Q3310	
Lab Sample ID:	PB170054BS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097608.D	1	10/10/25 09:06	10/10/25 16:51	PB170054

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\PL101025\
 Data File : PL097608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 16:51
 Operator : AR\AJ
 Sample : PB170054BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB170054BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:20:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 2025
 Response via : Initial 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...	3.523	2.820	85868011	126.3E6	21.063	20.753
28)	SA Decachlor...	8.996	7.979	66116333	94339039	22.234	18.180
Target Compounds							
2)	A alpha-BHC	3.970	3.325	399.3E6	574.3E6	59.197	58.200
3)	MA gamma-BHC...	4.298	3.657	375.2E6	530.3E6	59.035	57.724
4)	MA Heptachlor	4.889	4.004	360.8E6	502.8E6	55.934	54.699
5)	MB Aldrin	5.228	4.286	348.1E6	490.4E6	57.893	56.553
6)	B beta-BHC	4.486	3.953	153.8E6	218.9E6	59.468	55.022
7)	B delta-BHC	4.731	4.185	355.8E6	518.8E6	58.598	57.428
8)	B Heptachlo...	5.648	4.788	316.3E6	459.6E6	54.324	58.189
9)	A Endosulfan I	6.030	5.159	285.3E6	404.2E6	57.386	54.814
10)	B gamma-Chl...	5.902	5.040	316.4E6	462.2E6	58.293	53.168
11)	B alpha-Chl...	5.982	5.104	310.2E6	447.3E6	57.159	53.720
12)	B 4,4'-DDE	6.153	5.293	277.4E6	421.9E6	59.559	55.563
13)	MA Dieldrin	6.302	5.423	304.7E6	441.7E6	57.915	53.417
14)	MA Endrin	6.528	5.698	240.2E6	368.8E6	53.695	49.822
15)	B Endosulfa...	6.743	5.990	261.2E6	367.4E6	53.383	53.207
16)	A 4,4'-DDD	6.662	5.845	232.1E6	358.5E6	61.504	56.202
17)	MA 4,4'-DDT	6.976	6.097	214.3E6	326.5E6	52.855	49.005
18)	B Endrin al...	6.871	6.168	185.5E6	273.7E6	56.601	47.531
19)	B Endosulfa...	7.104	6.391	225.6E6	343.3E6	56.266	51.562
20)	A Methoxychlor	7.449	6.669	104.3E6	164.5E6	49.905	45.126
21)	B Endrin ke...	7.584	6.895	245.2E6	382.8E6	57.277	48.456
22)	Mirex	8.061	7.085	161.5E6	255.8E6	51.982	47.819

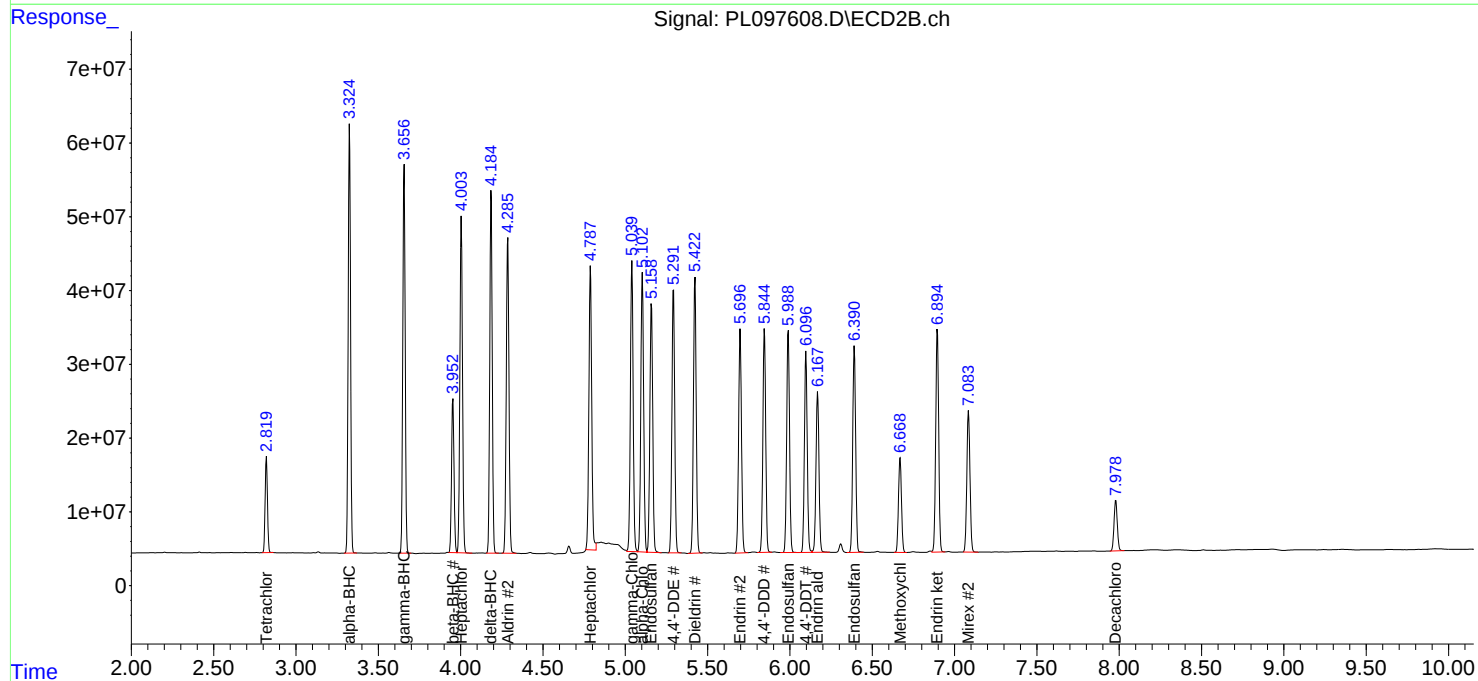
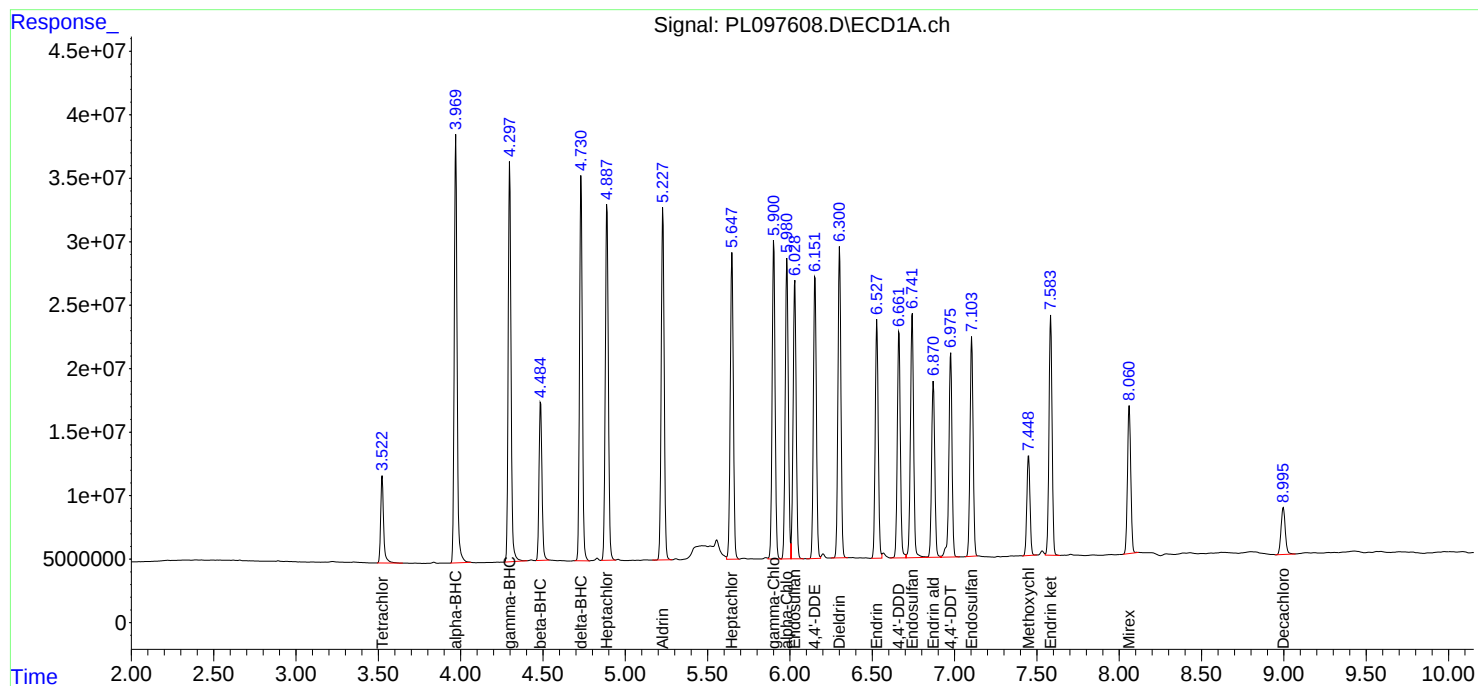
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 16:51
Operator : AR\AJ
Sample : PB170054BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB170054BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:20:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS	SDG No.:	Q3310
Lab Sample ID:	Q3310-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	65.3 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
PL097602.D	1	10/10/25 09:06	10/10/25 14:25	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.8		0.20	2.60	ug/kg
319-85-7	beta-BHC	18.3		0.28	2.60	ug/kg
319-86-8	delta-BHC	21.0		0.60	2.60	ug/kg
58-89-9	gamma-BHC (Lindane)	19.9		0.21	2.60	ug/kg
76-44-8	Heptachlor	19.9		0.18	2.60	ug/kg
309-00-2	Aldrin	19.6		0.18	2.60	ug/kg
1024-57-3	Heptachlor epoxide	20.5		0.29	2.60	ug/kg
959-98-8	Endosulfan I	20.5		0.21	2.60	ug/kg
60-57-1	Dieldrin	24.6		0.21	2.60	ug/kg
72-55-9	4,4-DDE	20.3		0.21	2.60	ug/kg
72-20-8	Endrin	19.7		0.21	2.60	ug/kg
33213-65-9	Endosulfan II	17.9		0.44	2.60	ug/kg
72-54-8	4,4-DDD	23.9	P	0.23	2.60	ug/kg
1031-07-8	Endosulfan Sulfate	23.3		0.20	2.60	ug/kg
50-29-3	4,4-DDT	22.9		0.21	2.60	ug/kg
72-43-5	Methoxychlor	25.8		0.57	2.60	ug/kg
53494-70-5	Endrin ketone	22.8	P	0.29	2.60	ug/kg
7421-93-4	Endrin aldehyde	19.7		0.57	2.60	ug/kg
5103-71-9	alpha-Chlordane	23.6		0.18	2.60	ug/kg
5103-74-2	gamma-Chlordane	24.6		0.23	2.60	ug/kg
8001-35-2	Toxaphene	8.30	U	8.30	50.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.92		20 - 144	45%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.9		19 - 148	64%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-0-1MS		SDG No.:	Q3310	
Lab Sample ID:	Q3310-01MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	65.3	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
PL097602.D	1	10/10/25 09:06	10/10/25 14:25	PB170054

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\PL101025\
 Data File : PL097602.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:25
 Operator : AR\AJ
 Sample : Q3310-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SS-01-0-1MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/13/2025
 Supervised By : mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:19:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 2025
 Response via : Initial 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...	3.523	2.822	52559009	69633698	12.892m	11.441
28)	SA Decachlor...	8.994	7.978	26538482	37876209	8.925	7.299
Target Compounds							
2)	A alpha-BHC	3.971	3.327	261.6E6	336.5E6	38.783	34.099
3)	MA gamma-BHC...	4.297	3.659	248.1E6	334.6E6	39.036m	36.417
4)	MA Heptachlor	4.887	4.006	252.2E6	301.3E6	39.091m	32.780
5)	MB Aldrin	5.226	4.286	230.7E6	290.3E6	38.366m	33.481m
6)	B beta-BHC	4.487	3.953	92854017	124.7E6	35.914	31.355m
7)	B delta-BHC	4.732	4.187	249.6E6	306.6E6	41.095	33.935
8)	B Heptachlo...	5.647	4.789	234.0E6	257.8E6	40.190	32.638
9)	A Endosulfan I	6.027	5.160	200.1E6	233.4E6	40.254m	31.645
10)	B gamma-Chl...	5.901	5.040	261.2E6	354.4E6	48.135	40.772
11)	B alpha-Chl...	5.982	5.104	251.2E6	291.3E6	46.301	34.976
12)	B 4,4'-DDE	6.152	5.293	185.7E6	241.3E6	39.878	31.786
13)	MA Dieldrin	6.301	5.424	253.9E6	307.3E6	48.269	37.171
14)	MA Endrin	6.527	5.698	173.1E6	223.2E6	38.694	30.152
15)	B Endosulfa...	6.740	5.990	172.0E6	220.2E6	35.163	31.887
16)	A 4,4'-DDD	6.661	5.845	176.7E6	197.5E6	46.822	30.958 #
17)	MA 4,4'-DDT	6.974	6.097	182.0E6	236.2E6	44.884	35.444
18)	B Endrin al...	6.869	6.168	126.3E6	175.2E6	38.534	30.416
19)	B Endosulfa...	7.101	6.392	183.3E6	284.8E6	45.719m	42.780
20)	A Methoxychlor	7.449	6.668	105.7E6	130.3E6	50.576	35.733m#
21)	B Endrin ke...	7.581	6.895	191.4E6	203.5E6	44.695	25.758 #
22)	Mirex	8.059	7.084	117.3E6	142.7E6	37.748	26.674 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:25
Operator : AR\AJ
Sample : Q3310-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SS-01-0-1MS

Manual Integrations

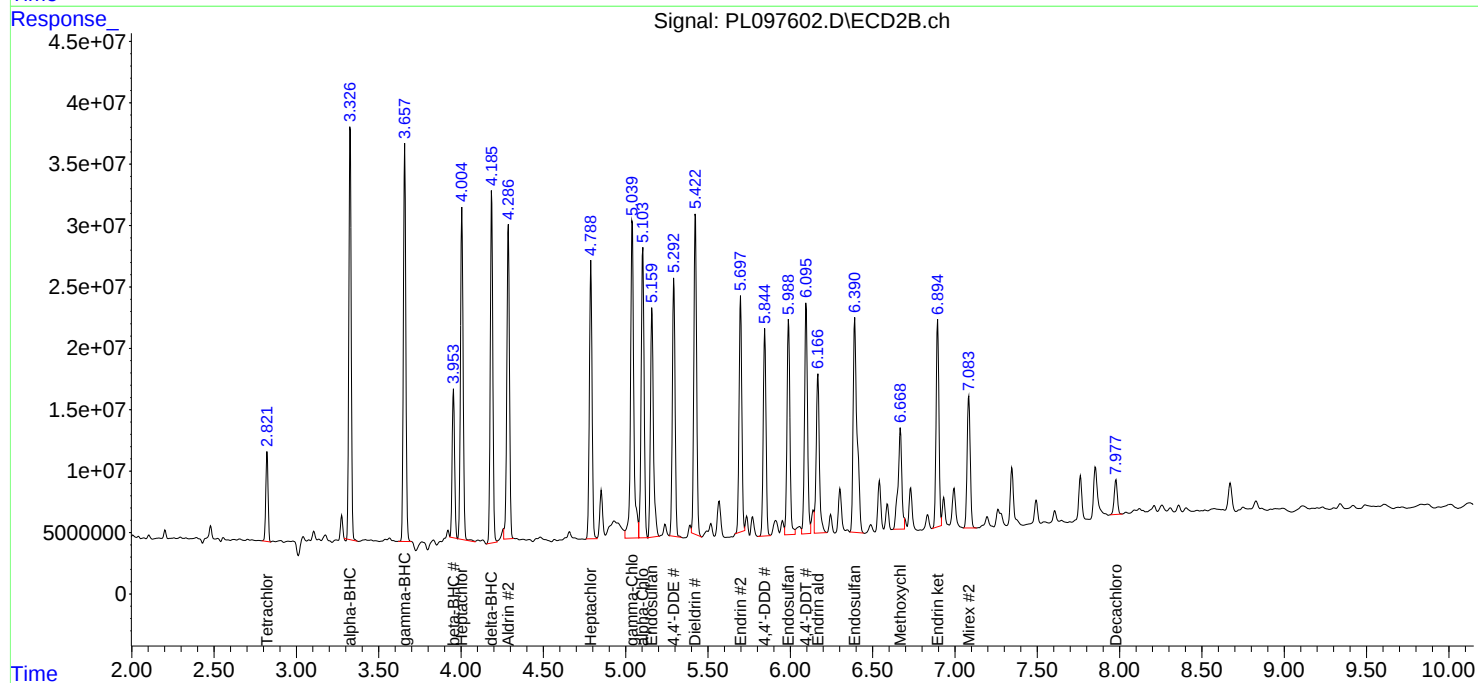
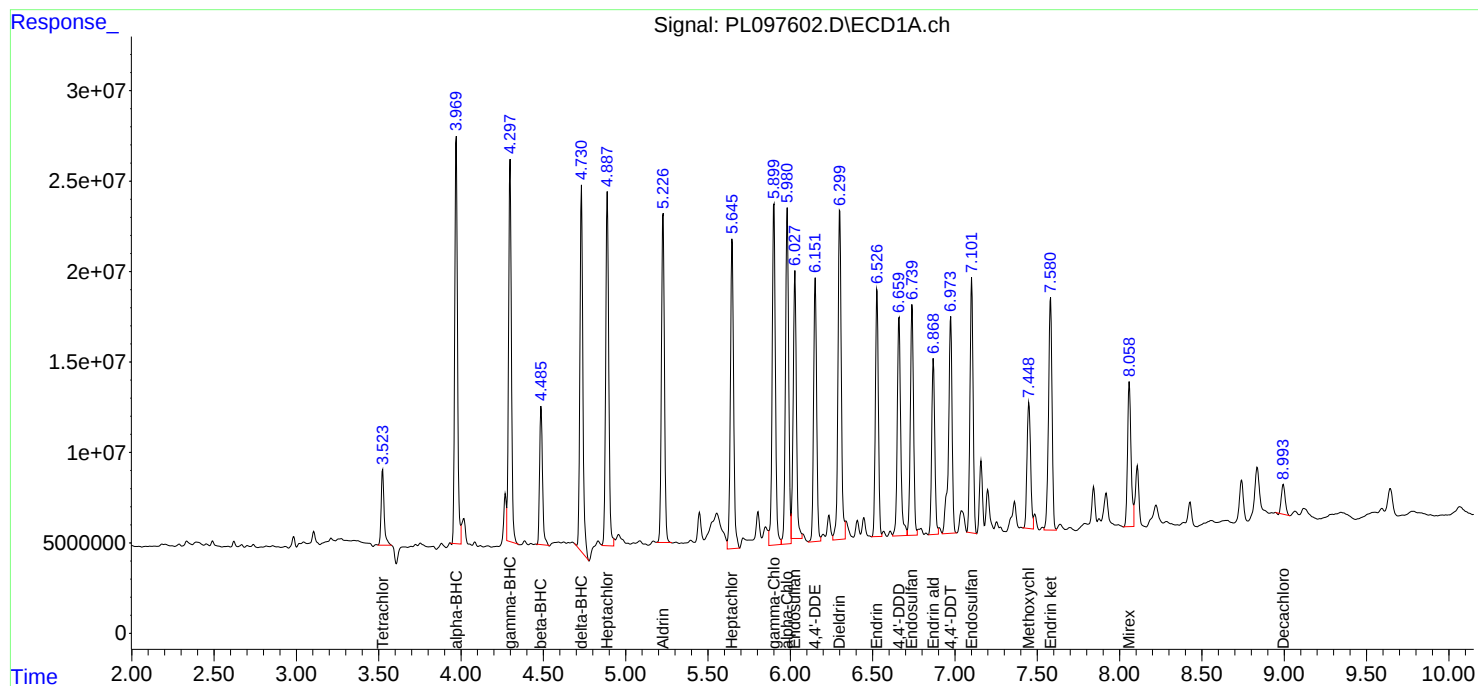
APPROVED

Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:19:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MSD	SDG No.:	Q3310
Lab Sample ID:	Q3310-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	65.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097603.D	1	10/10/25 09:06	10/10/25 14:38	PB170054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	21.4		0.20	2.60	ug/kg
319-85-7	beta-BHC	19.5		0.28	2.60	ug/kg
319-86-8	delta-BHC	22.3		0.60	2.60	ug/kg
58-89-9	gamma-BHC (Lindane)	21.5		0.21	2.60	ug/kg
76-44-8	Heptachlor	20.5		0.18	2.60	ug/kg
309-00-2	Aldrin	21.3		0.18	2.60	ug/kg
1024-57-3	Heptachlor epoxide	21.4		0.29	2.60	ug/kg
959-98-8	Endosulfan I	22.5		0.21	2.60	ug/kg
60-57-1	Dieldrin	27.5		0.21	2.60	ug/kg
72-55-9	4,4-DDE	21.3		0.21	2.60	ug/kg
72-20-8	Endrin	20.9		0.21	2.60	ug/kg
33213-65-9	Endosulfan II	18.3		0.44	2.60	ug/kg
72-54-8	4,4-DDD	25.4	P	0.23	2.60	ug/kg
1031-07-8	Endosulfan Sulfate	24.8		0.20	2.60	ug/kg
50-29-3	4,4-DDT	24.1		0.21	2.60	ug/kg
72-43-5	Methoxychlor	27.2		0.57	2.60	ug/kg
53494-70-5	Endrin ketone	24.0	P	0.29	2.60	ug/kg
7421-93-4	Endrin aldehyde	20.8		0.57	2.60	ug/kg
5103-71-9	alpha-Chlordane	24.3		0.18	2.60	ug/kg
5103-74-2	gamma-Chlordane	24.8		0.23	2.60	ug/kg
8001-35-2	Toxaphene	8.30	U	8.30	50.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.5		20 - 144	53%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.5		19 - 148	68%	SPK: 20

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25	
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25	
Client Sample ID:	SS-01-0-1MSD		SDG No.:	Q3310	
Lab Sample ID:	Q3310-01MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	65.3	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL097603.D	1	10/10/25 09:06	10/10/25 14:38	PB170054

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\PL101025\
 Data File : PL097603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:38
 Operator : AR\AJ
 Sample : Q3310-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SS-01-0-1MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/13/2025
 Supervised By : mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:19:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 2025
 Response via : Initial 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...	3.524	2.823	55132180	74708942	13.524m	12.275
2)	SA Decachlor...	8.994	7.978	31255707	39659800	10.511	7.643 #
Target Compounds							
2)	A alpha-BHC	3.970	3.328	283.2E6	361.1E6	41.986m	36.599
3)	MA gamma-BHC...	4.298	3.659	268.0E6	357.5E6	42.156m	38.918
4)	MA Heptachlor	4.888	4.006	259.5E6	319.0E6	40.234m	34.698
5)	MB Aldrin	5.228	4.288	250.9E6	323.4E6	41.727	37.289
6)	B beta-BHC	4.488	3.955	98801206	128.5E6	38.214	32.305
7)	B delta-BHC	4.732	4.187	265.3E6	326.0E6	43.684	36.087
8)	B Heptachlo...	5.647	4.789	245.0E6	272.2E6	42.081	34.470
9)	A Endosulfan I	6.027	5.160	219.4E6	245.7E6	44.128m	33.323
10)	B gamma-Chl...	5.901	5.041	264.1E6	373.3E6	48.660	42.936
11)	B alpha-Chl...	5.981	5.105	258.5E6	305.3E6	47.641	36.668
12)	B 4,4'-DDE	6.152	5.293	194.9E6	253.3E6	41.843	33.368
13)	MA Dieldrin	6.301	5.424	284.4E6	323.0E6	54.066	39.065 #
14)	MA Endrin	6.527	5.698	183.8E6	231.5E6	41.074	31.280
15)	B Endosulfa...	6.740	5.990	175.7E6	228.7E6	35.912	33.117
16)	A 4,4'-DDD	6.661	5.845	188.0E6	204.8E6	49.833	32.110 #
17)	MA 4,4'-DDT	6.974	6.097	192.2E6	246.6E6	47.400	37.008
18)	B Endrin al...	6.869	6.168	133.6E6	178.2E6	40.760	30.954
19)	B Endosulfa...	7.101	6.392	195.0E6	295.3E6	48.622m	44.350
20)	A Methoxychlor	7.449	6.668	111.5E6	136.5E6	53.368	37.459m#
21)	B Endrin ke...	7.581	6.896	201.5E6	209.2E6	47.051	26.478 #
22)	Mirex	8.059	7.085	125.9E6	146.1E6	40.520	27.314 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:38
Operator : AR\AJ
Sample : Q3310-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SS-01-0-1MSD

Manual Integrations

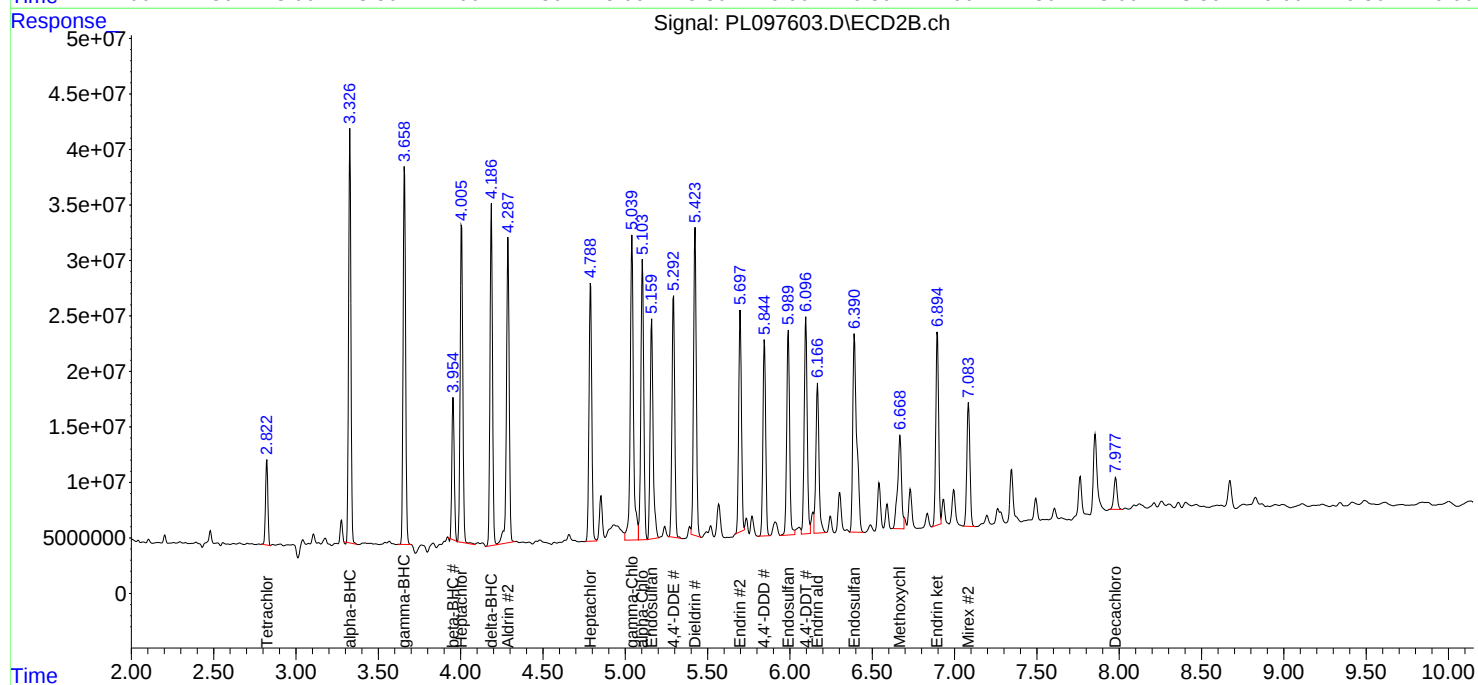
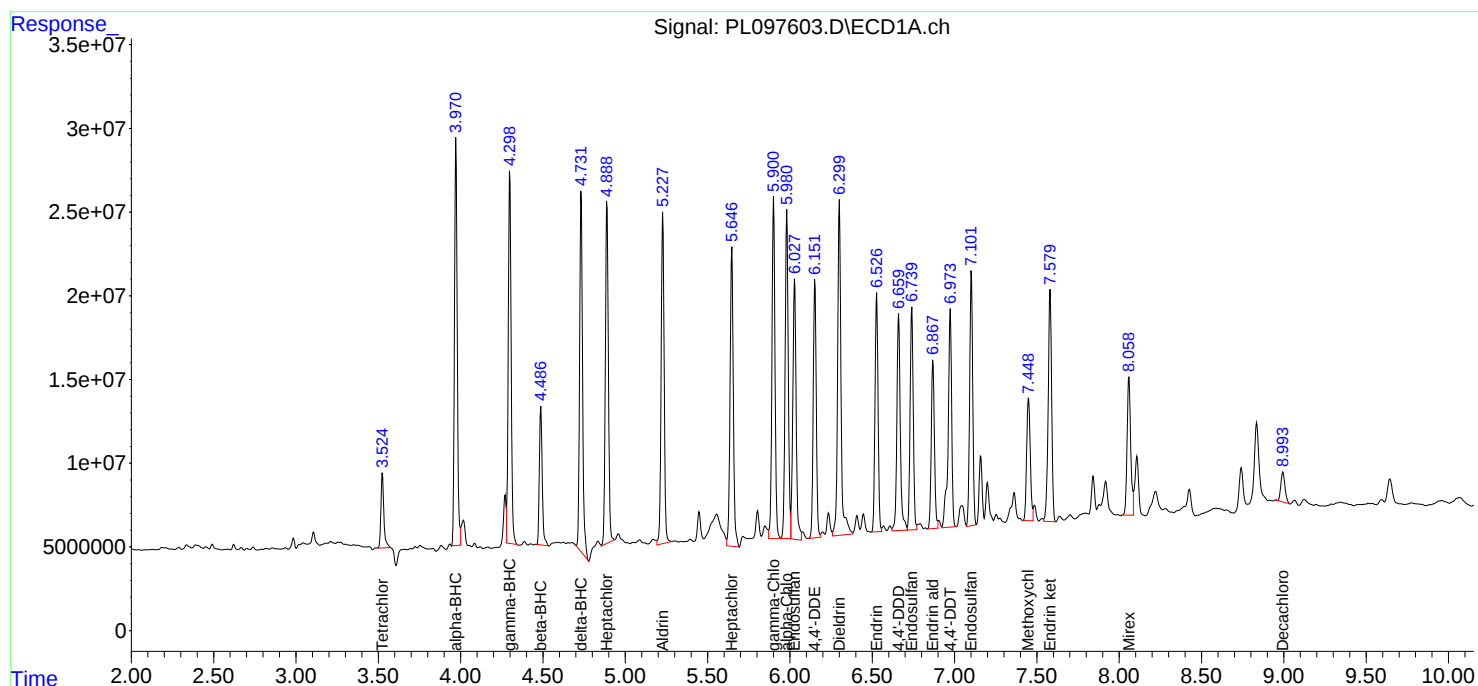
APPROVED

Reviewed By :Abdul Mirza 10/13/2025

Supervised By :mohammad ahmed 10/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:19:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 2025
Response via : Initial 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:

PL100725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097524.D	Endrin aldehyde	Abdul	10/8/2025 8:59:59 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PEM	PL097524.D	Endrin ketone	Abdul	10/8/2025 8:59:59 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
RESCHK	PL097525.D	Dieldrin #2	Abdul	10/8/2025 9:00:03 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
RESCHK	PL097525.D	gamma-Chlordane	Abdul	10/8/2025 9:00:03 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
RESCHK	PL097525.D	gamma-Chlordane #2	Abdul	10/8/2025 9:00:03 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
RESCHK	PL097525.D	Methoxychlor	Abdul	10/8/2025 9:00:03 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	4,4"-DDD	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	alpha-Chlordane	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	Endosulfan I	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	Endrin	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	gamma-Chlordane	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	Heptachlor epoxide	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC075	PL097527.D	Methoxychlor	Abdul	10/8/2025 9:00:07 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software

Manual Integration Report

Sequence:

PL100725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC025	PL097529.D	Endrin	Abdul	10/8/2025 9:00:11 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	4,4"-DDD	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	4,4"-DDD #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	alpha-Chlordane #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Endosulfan I #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Endosulfan II	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Endrin ketone	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Endrin ketone #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	gamma-Chlordane #2	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Heptachlor	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Heptachlor epoxide	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDICC005	PL097530.D	Methoxychlor	Abdul	10/8/2025 9:00:14 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PCHLORICV500	PL097542.D	Chlordane-1	Abdul	10/8/2025 9:00:32 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software

Manual Integration Report

Sequence:

PL100725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097545.D	Endrin aldehyde	Abdul	10/8/2025 9:00:35 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDCCC050	PL097546.D	4,4"-DDD	Abdul	10/8/2025 9:00:39 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDCCC050	PL097546.D	Heptachlor epoxide #2	Abdul	10/8/2025 9:00:39 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDCCC050	PL097546.D	Methoxychlor	Abdul	10/8/2025 9:00:39 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software
PSTDCCC050	PL097559.D	Methoxychlor #2	Abdul	10/8/2025 8:59:17 AM	mohammad	10/9/2025 1:41:46	Peak Integrated by Software

Manual Integration Report

Sequence:	pl101025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL097597.D	4,4"-DDD	Abdul	10/13/2025 8:48:00 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PEM	PL097597.D	4,4"-DDE	Abdul	10/13/2025 8:48:00 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PEM	PL097597.D	4,4"-DDE #2	Abdul	10/13/2025 8:48:00 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PEM	PL097597.D	Endrin aldehyde	Abdul	10/13/2025 8:48:00 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	4,4"-DDD	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	alpha-Chlordane	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	Endosulfan I	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	Endrin aldehyde	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097598.D	gamma-Chlordane	Abdul	10/13/2025 8:48:04 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Aldrin	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Aldrin #2	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	beta-BHC #2	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Endosulfan I	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software

Manual Integration Report

Sequence:

pl101025

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3310-01MS	PL097602.D	Endosulfan Sulfate	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	gamma-BHC (Lindane)	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Heptachlor	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Methoxychlor #2	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MS	PL097602.D	Tetrachloro-m-xylene	Abdul	10/13/2025 8:48:11 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	alpha-BHC	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Endosulfan I	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Endosulfan Sulfate	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	gamma-BHC (Lindane)	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Heptachlor	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Methoxychlor #2	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-01MSD	PL097603.D	Tetrachloro-m-xylene	Abdul	10/13/2025 8:48:14 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-02	PL097604.D	4,4"-DDD	Abdul	10/13/2025 8:48:18 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software

Manual Integration Report

Sequence:

pl101025

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3310-02	PL097604.D	4,4"-DDT	Abdul	10/13/2025 8:48:18 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-02	PL097604.D	4,4"-DDT #2	Abdul	10/13/2025 8:48:18 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-02	PL097604.D	alpha-Chlordane	Abdul	10/13/2025 8:48:18 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-02	PL097604.D	alpha-Chlordane #2	Abdul	10/13/2025 8:48:18 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-02	PL097604.D	Decachlorobiphenyl	Abdul	10/13/2025 8:48:18 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-02	PL097604.D	gamma-Chlordane	Abdul	10/13/2025 8:48:18 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-03	PL097606.D	4,4"-DDE	Abdul	10/13/2025 8:48:26 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-03	PL097606.D	4,4"-DDE #2	Abdul	10/13/2025 8:48:26 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-03	PL097606.D	4,4"-DDT	Abdul	10/13/2025 8:48:26 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-03	PL097606.D	alpha-Chlordane	Abdul	10/13/2025 8:48:26 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-03	PL097606.D	alpha-Chlordane #2	Abdul	10/13/2025 8:48:26 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-03	PL097606.D	Decachlorobiphenyl	Abdul	10/13/2025 8:48:26 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
Q3310-03	PL097606.D	Endosulfan Sulfate	Abdul	10/13/2025 8:48:26 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software

Manual Integration Report

Sequence:

pl101025

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3310-03	PL097606.D	Endosulfan Sulfate #2	Abdul	10/13/2025 8:48:26 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097610.D	4,4"-DDD	Abdul	10/13/2025 8:48:30 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097610.D	Endosulfan II	Abdul	10/13/2025 8:48:30 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097610.D	gamma-Chlordane	Abdul	10/13/2025 8:48:30 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software
PSTDCCC050	PL097610.D	Heptachlor epoxide	Abdul	10/13/2025 8:48:30 AM	mohammad	10/14/2025 2:49:44	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL097522.D	07 Oct 2025 09:39	AR\AJ	Ok
2	I.BLK	PL097523.D	07 Oct 2025 09:53	AR\AJ	Ok
3	PEM	PL097524.D	07 Oct 2025 10:06	AR\AJ	Ok,M
4	RESCHK	PL097525.D	07 Oct 2025 10:20	AR\AJ	Ok,M
5	PSTDICC100	PL097526.D	07 Oct 2025 10:33	AR\AJ	Ok
6	PSTDICC075	PL097527.D	07 Oct 2025 10:47	AR\AJ	Ok,M
7	PSTDICC050	PL097528.D	07 Oct 2025 11:00	AR\AJ	Ok
8	PSTDICC025	PL097529.D	07 Oct 2025 11:41	AR\AJ	Ok,M
9	PSTDICC005	PL097530.D	07 Oct 2025 11:55	AR\AJ	Ok,M
10	PCHLORICC1000	PL097531.D	07 Oct 2025 12:38	AR\AJ	Ok
11	PCHLORICC750	PL097532.D	07 Oct 2025 12:52	AR\AJ	Ok
12	PCHLORICC500	PL097533.D	07 Oct 2025 13:05	AR\AJ	Ok
13	PCHLORICC250	PL097534.D	07 Oct 2025 13:19	AR\AJ	Ok,M
14	PCHLORICC050	PL097535.D	07 Oct 2025 13:32	AR\AJ	Ok,M
15	PTOXICC1000	PL097536.D	07 Oct 2025 13:46	AR\AJ	Ok
16	PTOXICC750	PL097537.D	07 Oct 2025 14:00	AR\AJ	Ok,M
17	PTOXICC500	PL097538.D	07 Oct 2025 14:13	AR\AJ	Ok
18	PTOXICC250	PL097539.D	07 Oct 2025 14:59	AR\AJ	Ok
19	PTOXICC100	PL097540.D	07 Oct 2025 15:13	AR\AJ	Ok,M
20	PSTDICV050	PL097541.D	07 Oct 2025 15:26	AR\AJ	Ok
21	PCHLORICV500	PL097542.D	07 Oct 2025 15:55	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL097543.D	07 Oct 2025 16:08	AR\AJ	Ok
23	I.BLK	PL097544.D	07 Oct 2025 16:22	AR\AJ	Ok
24	PEM	PL097545.D	07 Oct 2025 16:36	AR\AJ	Ok,M
25	PSTDCCC050	PL097546.D	07 Oct 2025 16:56	AR\AJ	Ok,M
26	PB169968BL	PL097547.D	07 Oct 2025 17:23	AR\AJ	Ok
27	PB170003BL	PL097548.D	07 Oct 2025 17:37	AR\AJ	Ok
28	PB170003BS	PL097549.D	07 Oct 2025 17:50	AR\AJ	Ok
29	Q3294-01	PL097550.D	07 Oct 2025 18:04	AR\AJ	Ok,M
30	Q3295-01	PL097551.D	07 Oct 2025 18:17	AR\AJ	Ok,M
31	Q3295-03	PL097552.D	07 Oct 2025 18:31	AR\AJ	Ok,M
32	Q3296-01	PL097553.D	07 Oct 2025 18:44	AR\AJ	Ok,M
33	Q3297-01	PL097554.D	07 Oct 2025 18:58	AR\AJ	Ok,M
34	Q3297-01MS	PL097555.D	07 Oct 2025 19:12	AR\AJ	Not Ok
35	Q3297-01MSD	PL097556.D	07 Oct 2025 19:25	AR\AJ	Not Ok
36	Q3297-11	PL097557.D	07 Oct 2025 19:39	AR\AJ	Ok,M
37	I.BLK	PL097558.D	07 Oct 2025 19:52	AR\AJ	Ok
38	PSTDCCC050	PL097559.D	07 Oct 2025 21:14	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL101025

Review By	Abdul	Review On	10/13/2025 8:49:00 AM
Supervise By	mohammad	Supervise On	10/14/2025 2:49:44 AM
SubDirectory	PL101025	HP Acquire Method	HP Processing Method pl100725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL097595.D	10 Oct 2025 09:57	AR\AJ	Ok
2	I.BLK	PL097596.D	10 Oct 2025 10:11	AR\AJ	Ok
3	PEM	PL097597.D	10 Oct 2025 10:24	AR\AJ	Ok,M
4	PSTDCCC050	PL097598.D	10 Oct 2025 13:05	AR\AJ	Ok,M
5	PB170054BL	PL097599.D	10 Oct 2025 13:44	AR\AJ	Ok
6	PB170054BS	PL097600.D	10 Oct 2025 13:58	AR\AJ	Not Ok
7	Q3310-01	PL097601.D	10 Oct 2025 14:11	AR\AJ	Ok,NR
8	Q3310-01MS	PL097602.D	10 Oct 2025 14:25	AR\AJ	Ok,M
9	Q3310-01MSD	PL097603.D	10 Oct 2025 14:38	AR\AJ	Ok,M
10	Q3310-02	PL097604.D	10 Oct 2025 14:52	AR\AJ	Ok,M
11	Q3321-01	PL097605.D	10 Oct 2025 15:05	AR\AJ	Ok,M
12	Q3310-03	PL097606.D	10 Oct 2025 15:19	AR\AJ	Ok,M
13	Q3322-01	PL097607.D	10 Oct 2025 15:32	AR\AJ	Ok,NR
14	PB170054BS	PL097608.D	10 Oct 2025 16:51	AR\AJ	Ok
15	I.BLK	PL097609.D	10 Oct 2025 17:07	AR\AJ	Ok
16	PSTDCCC050	PL097610.D	10 Oct 2025 17:20	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL097522.D	07 Oct 2025 09:39		AR\AJ	Ok
2	I.BLK	I.BLK	PL097523.D	07 Oct 2025 09:53		AR\AJ	Ok
3	PEM	PEM	PL097524.D	07 Oct 2025 10:06		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL097525.D	07 Oct 2025 10:20		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL097526.D	07 Oct 2025 10:33		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL097527.D	07 Oct 2025 10:47		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL097528.D	07 Oct 2025 11:00		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL097529.D	07 Oct 2025 11:41		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL097530.D	07 Oct 2025 11:55		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL097531.D	07 Oct 2025 12:38		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL097532.D	07 Oct 2025 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL097533.D	07 Oct 2025 13:05		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL097534.D	07 Oct 2025 13:19		AR\AJ	Ok,M
14	PCHLORICC050	PCHLORICC050	PL097535.D	07 Oct 2025 13:32		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL097536.D	07 Oct 2025 13:46		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL097537.D	07 Oct 2025 14:00		AR\AJ	Ok,M
17	PTOXICC500	PTOXICC500	PL097538.D	07 Oct 2025 14:13		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL097539.D	07 Oct 2025 14:59		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL097540.D	07 Oct 2025 15:13		AR\AJ	Ok,M
20	PSTDICV050	ICVPL100725	PL097541.D	07 Oct 2025 15:26		AR\AJ	Ok
21	PCHLORICV500	ICVPL100725CHLOR	PL097542.D	07 Oct 2025 15:55		AR\AJ	Ok,M
22	PTOXICV500	ICVPL100725TOX	PL097543.D	07 Oct 2025 16:08		AR\AJ	Ok
23	I.BLK	I.BLK	PL097544.D	07 Oct 2025 16:22		AR\AJ	Ok
24	PEM	PEM	PL097545.D	07 Oct 2025 16:36		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL097546.D	07 Oct 2025 16:56		AR\AJ	Ok,M
26	PB169968BL	PB169968BL	PL097547.D	07 Oct 2025 17:23		AR\AJ	Ok
27	PB170003BL	PB170003BL	PL097548.D	07 Oct 2025 17:37		AR\AJ	Ok
28	PB170003BS	PB170003BS	PL097549.D	07 Oct 2025 17:50		AR\AJ	Ok
29	Q3294-01	HD-02-10062025	PL097550.D	07 Oct 2025 18:04		AR\AJ	Ok,M
30	Q3295-01	EO-01-10062025	PL097551.D	07 Oct 2025 18:17		AR\AJ	Ok,M
31	Q3295-03	EO-02-10062025	PL097552.D	07 Oct 2025 18:31		AR\AJ	Ok,M
32	Q3296-01	SU-04-10062025	PL097553.D	07 Oct 2025 18:44		AR\AJ	Ok,M
33	Q3297-01	TP1	PL097554.D	07 Oct 2025 18:58		AR\AJ	Ok,M
34	Q3297-01MS	TP1MS	PL097555.D	07 Oct 2025 19:12	some compound recovery fail	AR\AJ	Not Ok
35	Q3297-01MSD	TP1MSD	PL097556.D	07 Oct 2025 19:25	some compound recovery fail , RPD fail for almost all compound	AR\AJ	Not Ok
36	Q3297-11	TP2	PL097557.D	07 Oct 2025 19:39		AR\AJ	Ok,M
37	I.BLK	I.BLK	PL097558.D	07 Oct 2025 19:52		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100725

Review By	Abdul	Review On	10/8/2025 9:04:37 AM
Supervise By	mohammad	Supervise On	10/9/2025 1:41:46 AM
SubDirectory	PL100725	HP Acquire Method	HP Processing Method pl100725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PSTDCCC050	PSTDCCC050	PL097559.D	07 Oct 2025 21:14		ARIAJ	Ok,M
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M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL101025

Review By	Abdul	Review On	10/13/2025 8:49:00 AM
Supervise By	mohammad	Supervise On	10/14/2025 2:49:44 AM
SubDirectory	PL101025	HP Acquire Method	HP Processing Method pl100725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL097595.D	10 Oct 2025 09:57		AR\AJ	Ok
2	I.BLK	I.BLK	PL097596.D	10 Oct 2025 10:11		AR\AJ	Ok
3	PEM	PEM	PL097597.D	10 Oct 2025 10:24		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL097598.D	10 Oct 2025 13:05		AR\AJ	Ok,M
5	PB170054BL	PB170054BL	PL097599.D	10 Oct 2025 13:44		AR\AJ	Ok
6	PB170054BS	PB170054BS	PL097600.D	10 Oct 2025 13:58	RECOVERY FAIL.	AR\AJ	Not Ok
7	Q3310-01	SS-01-0-1	PL097601.D	10 Oct 2025 14:11		AR\AJ	Ok,NR
8	Q3310-01MS	SS-01-0-1MS	PL097602.D	10 Oct 2025 14:25		AR\AJ	Ok,M
9	Q3310-01MSD	SS-01-0-1MSD	PL097603.D	10 Oct 2025 14:38		AR\AJ	Ok,M
10	Q3310-02	SS-01-1-2	PL097604.D	10 Oct 2025 14:52		AR\AJ	Ok,M
11	Q3321-01	P001-DS-01	PL097605.D	10 Oct 2025 15:05		AR\AJ	Ok,M
12	Q3310-03	SS-01-2-3	PL097606.D	10 Oct 2025 15:19		AR\AJ	Ok,M
13	Q3322-01	OR-02-100925	PL097607.D	10 Oct 2025 15:32		AR\AJ	Ok,NR
14	PB170054BS	PB170054BS	PL097608.D	10 Oct 2025 16:51		AR\AJ	Ok
15	I.BLK	I.BLK	PL097609.D	10 Oct 2025 17:07		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL097610.D	10 Oct 2025 17:20		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 10/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137480

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
Q3300-01	OIL	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3310-01	SS-01-0-1	2	1.15	10.03	11.18	7.7	65.3	
Q3310-02	SS-01-1-2	3	1.12	10.62	11.74	8.81	72.4	
Q3310-03	SS-01-2-3	4	1.16	10.56	11.72	9.09	75.1	
Q3321-01	P001-DS-01	5	1.16	10.56	11.72	9.44	78.4	
Q3322-01	OR-02-100925	6	1.11	10.33	11.44	10.72	93.0	
Q3322-02	OR-02-100925-E2	7	1.12	11.11	12.23	11.55	93.9	

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

WORKLIST(Hardcopy Internal Chain)

137480

WorkList Name : %1-100925

WorkList ID : 192359

Department : Wet-Chemistry

Date : 10-09-2025 08:08:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3300-01	OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3310-01	SS-01-0-1	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-02	SS-01-1-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-03	SS-01-2-3	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3321-01	P001-DS-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/08/2025	Chemtech -SO
Q3322-01	OR-02-100925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO
Q3322-02	OR-02-100925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO

Date/Time 10/09/25 15:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10/09/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/10/2025

Extraction Start Time : 09:06

Extraction End Date : 10/10/2025

Extraction End Time : 12:15

Concentration By: EH

Supervisor By : ritesh

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2643
Baked Na2SO4	N/A	EP2646
Sand	N/A	E3951
Hexane	N/A	E3974
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2644
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A

Envap ID: NE VAP-02

KD Bath Temperature: N/A

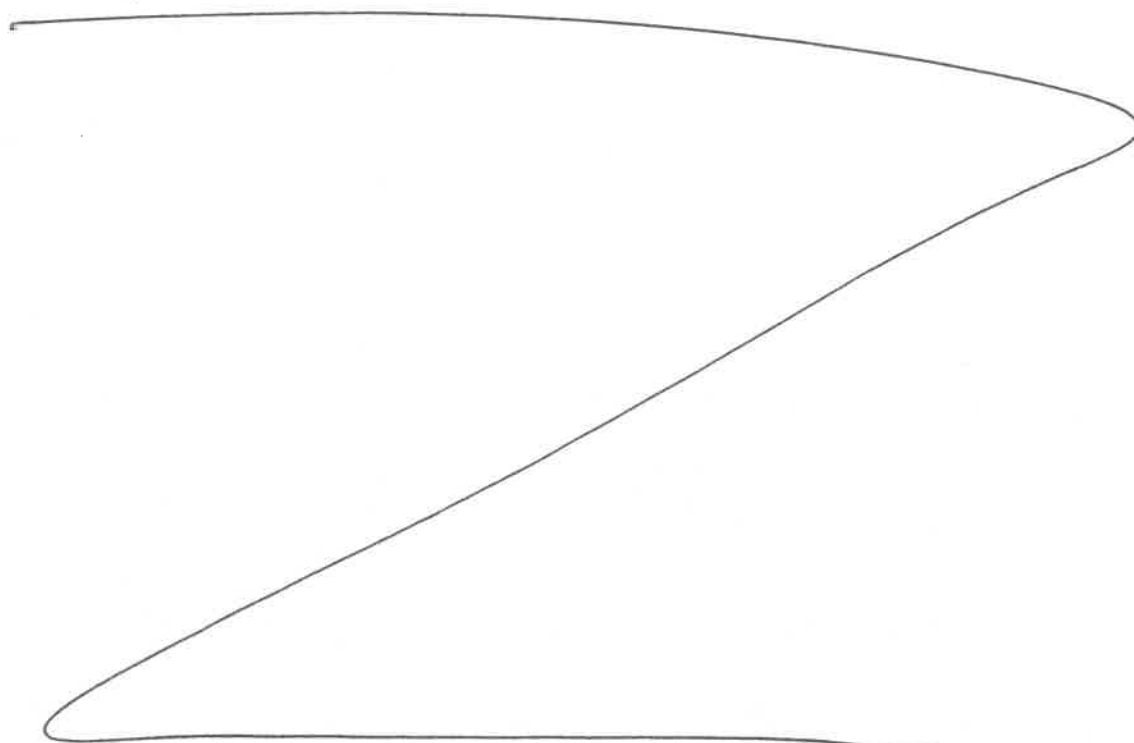
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/10/25	RJ (EXT-Lab)	RJ (EXT-Lab)
12:20	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/10/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170054BL	PBLK054	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U4-1
PB170054BS	PLCS054	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q3310-01	SS-01-0-1	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		3
Q3310-01MS	SS-01-0-1MS	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		4
Q3310-01MS D	SS-01-0-1MSD	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5
Q3310-02	SS-01-1-2	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		6
Q3310-03	SS-01-2-3	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		U6-1
Q3321-01	P001-DS-01	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		2
Q3322-01	OR-02-100925	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3



RJ
10/10

170054
9:06

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3310 WorkList ID : 192387 Department : Extraction Date : 10-10-2025 09:01:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3310-01	SS-01-0-1	Solid	Pesticide-TCL	Cool 4 deg C	LANG01	D31	10/07/2025	8081B
Q3310-02	SS-01-1-2	Solid	Pesticide-TCL	Cool 4 deg C	LANG01	D31	10/07/2025	8081B
Q3310-03	SS-01-2-3	Solid	Pesticide-TCL	Cool 4 deg C	LANG01	D31	10/07/2025	8081B
Q3321-01	P001-DS-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	D41	10/08/2025	8081B
Q3322-01	OR-02-100925	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	10/09/2025	8081B

Date/Time 10/10/25 9:01
Raw Sample Received by: RJ LETA-1006
Raw Sample Relinquished by: [Signature]

Date/Time 10/10/25 9:15
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ LETA-1006

Prep Standard - Chemical Standard Summary

Order ID : Q3310

Test : Pesticide-TCL

Prepbatch ID : PB170054,

Sequence ID/Qc Batch ID: PL101025,

Standard ID :

EP2643,EP2646,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24942,

Chemical ID :

E3875,E3927,E3941,E3944,E3951,E3955,E3956,E3971,E3972,E3974,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13780,P13786,P13788,P13862,P9053,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2643	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel
09/16/2025								

FROM 4000.00000ml of E3971 + 4000.00000ml of E3972 = Final Quantity: 8000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2646	09/26/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2	None	Riteshkumar Patel
(EX-SC-2)								

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 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>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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>
1273	20 PPM Mirex Stock (Primary Source)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml



Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

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

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

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	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

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

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

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	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of PP24749 = 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>
79	500 PPB Pesticide Spike Solution	PP24766	07/28/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								08/19/2025

FROM 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = 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>
758	PEM Mix w/Surr	PP24942	09/24/2025	03/24/2026	Abdul Mirza	None	None	Yogesh Patel
								10/10/2025

FROM 1.00000ml of P13780 + 99.00000ml of E3971 = Final Quantity: 100.000 ml

CHEMICAL RECEIPT LOG BOOK

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

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

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-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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	09/15/2025 / Evelyn	09/04/2025 / Riteshkumar	E3971

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	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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)	25C0362006	04/10/2027	09/26/2025 / Riteshkumar	09/26/2025 / Riteshkumar	E3974

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

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32074 / Pesticide Performance Evaluation Mix w/Surrogate	A0213999	03/24/2026	09/24/2025 / Abdul	11/19/2024 / Ankita	P13780

CHEMICAL RECEIPT LOG BOOK

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

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

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

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



Material No.: 9262-03

Batch No.: 25C0362006

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	4
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	0.2 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

E 3974

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



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

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

CERTIFICATE OF ANALYSIS

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

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

COMMENTS

QC: PhC Irma Belmares

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

RE-02-01, Ed. 3

E 3875

Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



Made in China

Agela Technologies

固相萃取产品

E3927



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



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.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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

Received on 7/16/25

E 3955

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

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

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

 **avantors™**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

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

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

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

Received on 7/16/25

E3956



Jamie Croak
Director Quality Operations, Bioscience Production

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



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

Certificate of Analysis

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

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

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

E3971

Jamie Croak
Director Quality Operations, Bioscience Production

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

E3972

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



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. : 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.)

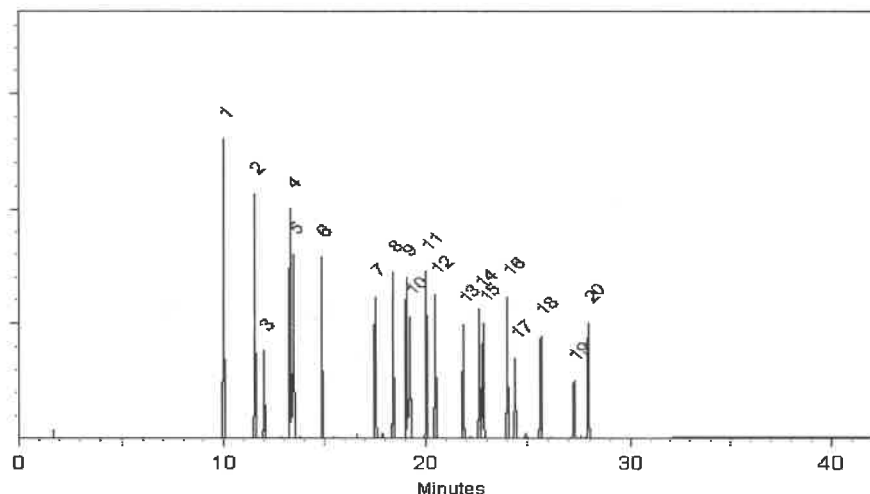
Inj. Temp:
 200°C

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

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone
Lot# 81025

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

SE-05 Balance Uncertainty
0.006 Flask Uncertainty

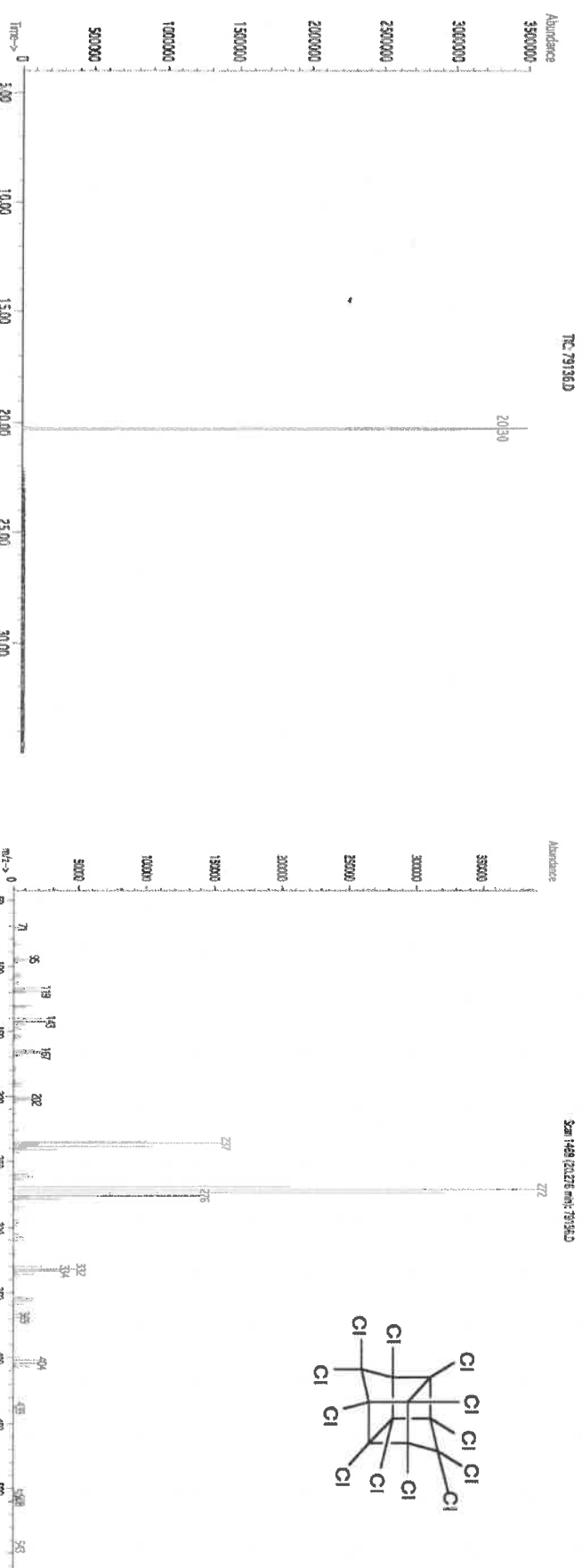
Weight(s) shown below were combined and diluted to (mL):

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

SDS Information															
Expanded															
(Solvent Safety Info. On Attached pg.)															
Compound		Lot		Nominal		Purity		Uncertainty		Target		Actual		Expanded	
RM#	Number	Conc (ug/mL)	(%)	Purity	Weight (g)	Actual	Conc(ug/mL)	(+/-) (ug/mL)	CAS#	OSHA PEL (TWA)	LD50				

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

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



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

Handwritten notes:
P13195
P13199
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01/17/2024

01/17/2024
AHLN

5



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 **Lot No.:** 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
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:

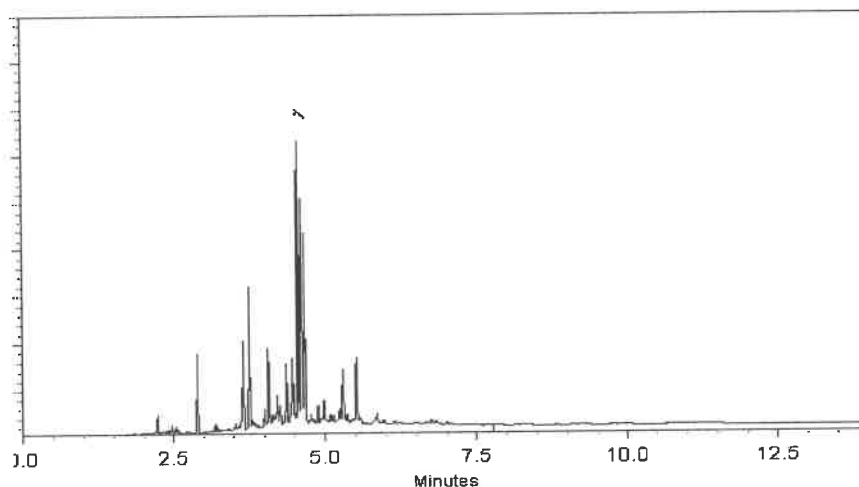
ECD

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

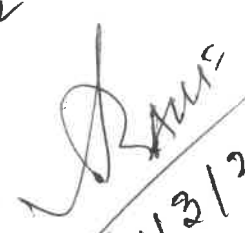
Date Mixed: 11-May-2023

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

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

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

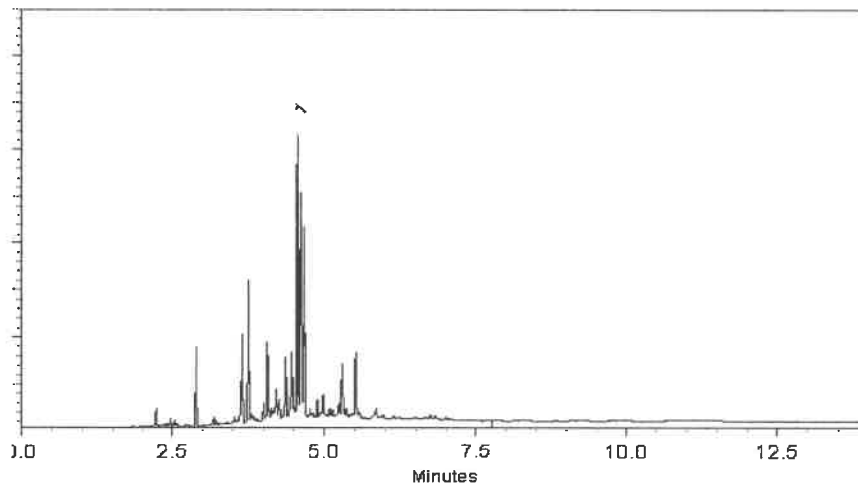
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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



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.)

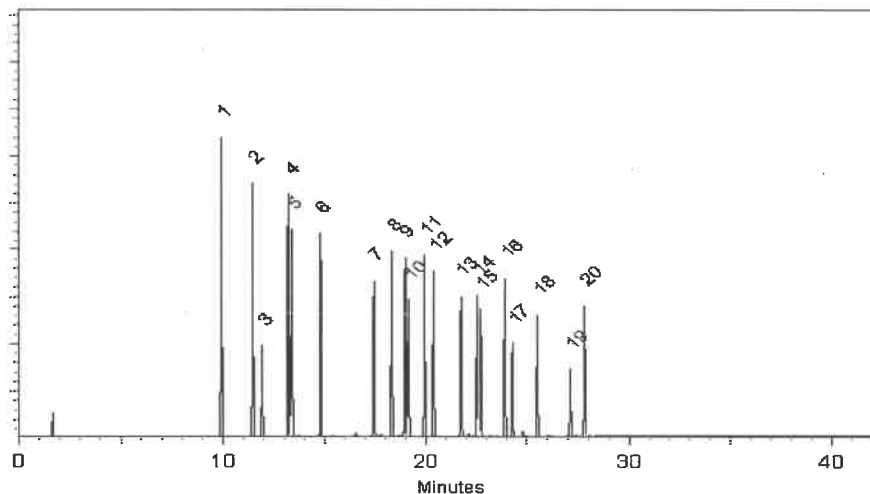
Inj. Temp:
200°C

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)
Varied

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

NIST Test ID#:

6UTB

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

5E-05
Balance Uncertainty
0.021
Pipet Uncertainty

<i>Lawrence Barry</i>	
Formulated By:	Lawrence Barry
DATE	013124
<i>Pedro L. Rentes</i>	
Reviewed By:	Pedro L. Rentes
DATE	013124

Compound

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 36300ug/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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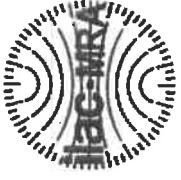


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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

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

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

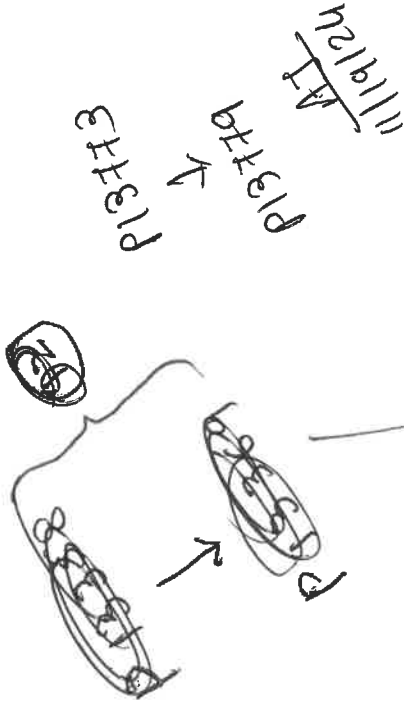
Ship: Ambient

CERTIFIED VALUES

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

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

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



Handwritten signature and date: 12-20-2024

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.)

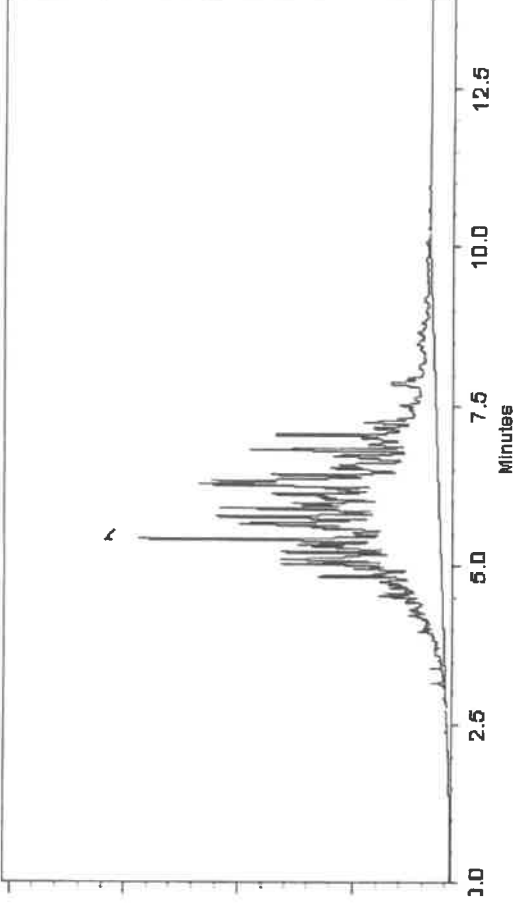
Inj. Temp:
250°C

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.

 Dakota Parson - Operations Technician I	Date Mixed: 10-Oct-2023	Balance Serial # 1128353505
Jennifer Pollino - Operations Tech III - ARM QC	Date Passed: 16-Oct-2023	

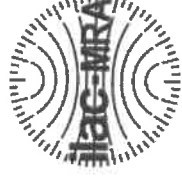
Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FW 80397


P13773
P19779
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11/19/24
10-50



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Fax: 1-814-353-1309

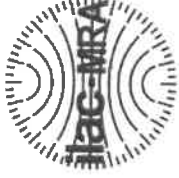
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32074 **Lot No.:** A0213999

Description: Pesticide Performance Eval Mix w/Surrogate

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

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

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

PI8780 AJ
11/19/24

PI8784

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%	2.0 µg/mL	+/- 0.1506
2	alpha-BHC	319-84-6	15279000	99%	1.0 µg/mL	+/- 0.0749
3	gamma-BHC (Lindane)	58-89-9	14931300	97%	1.0 µg/mL	+/- 0.0756
4	beta-BHC	319-85-7	BCCC6425	99%	1.0 µg/mL	+/- 0.0749
5	Endrin	72-20-8	15076100	98%	5.0 µg/mL	+/- 0.3769
6	4,4'-DDT	50-29-3	231103JLM	97%	10.0 µg/mL	+/- 0.7512
7	Methoxychlor	72-43-5	14979500	98%	24.8 µg/mL	+/- 1.8543
8	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	2.0 µg/mL	+/- 0.1513

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

Solvent: Hexane
CAS # 110-54-3
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 .2µm
Rtx-CLP II (cat.# 111323)

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:

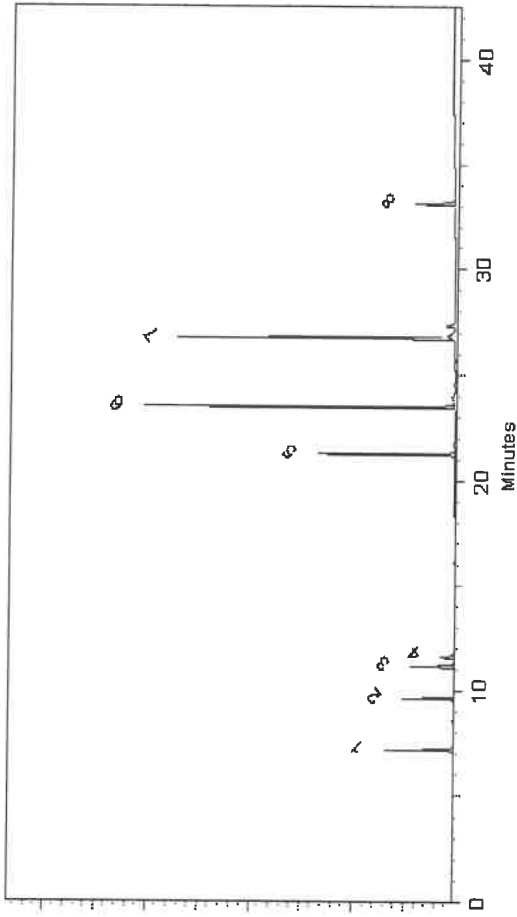
ECD

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.

Malina Homan

Malina Homan - Operations Technician I

Date Mixed: 17-Jul-2024

Balance Serial # 1128353505

Jennifer Pollino

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Jul-2024

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



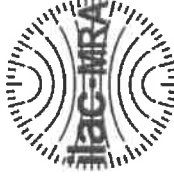
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Catalog No. : 32000 **Lot No.:** A0214495

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.)

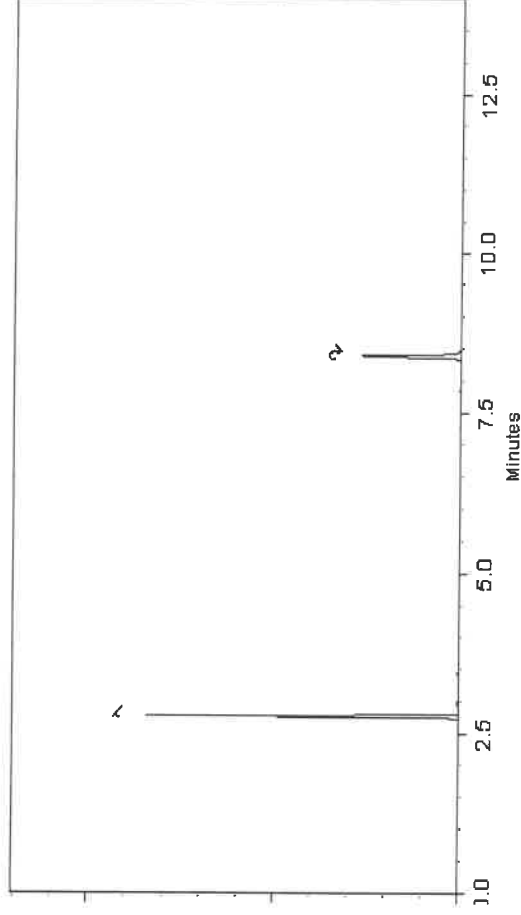
Inj. Temp:
250°C

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



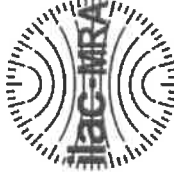
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Catalog No. : 32000 **Lot No.:** A0214495

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.)

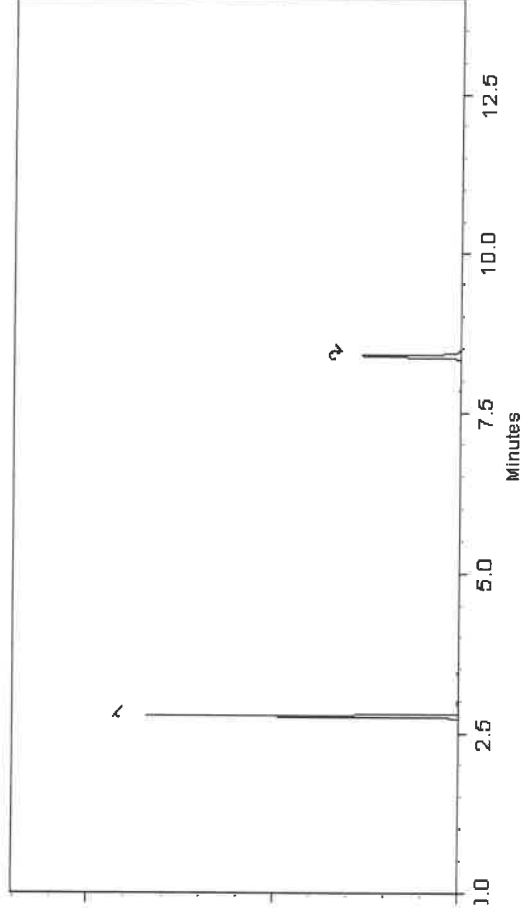
Inj. Temp:
250°C

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
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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:

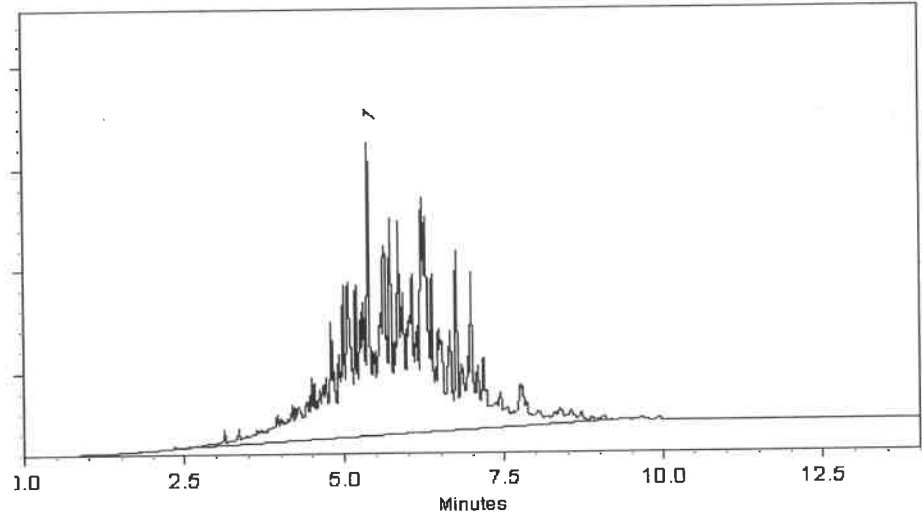
ECD

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

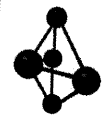

Christie Mills - Operations Lead Tech - ARM QC

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):

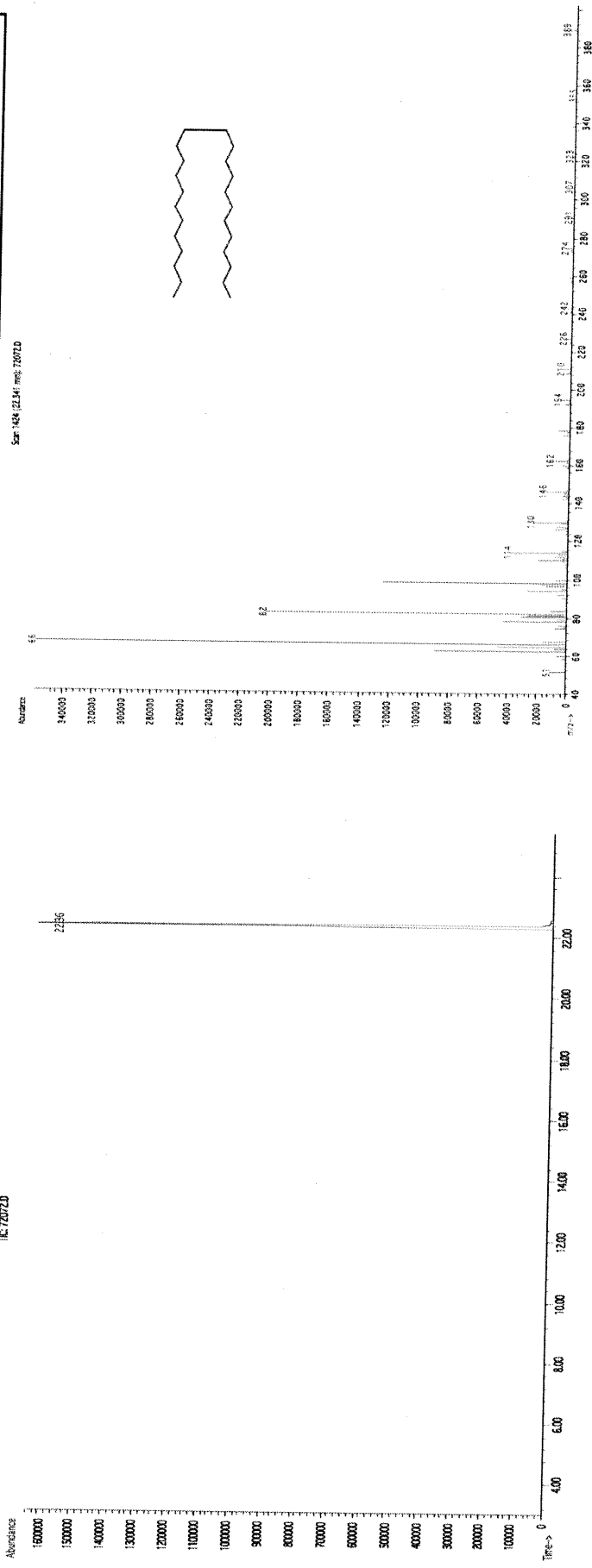
Solvent(s): **Methylene chloride**
Lot#: **102669**

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

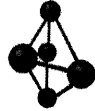
<i>Prashant Chauhan</i>	
Formulated By:	Prashant Chauhan
DATE	112018
<i>Pedro Rentas</i>	
Reviewed By:	Pedro Rentas
DATE	112018

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

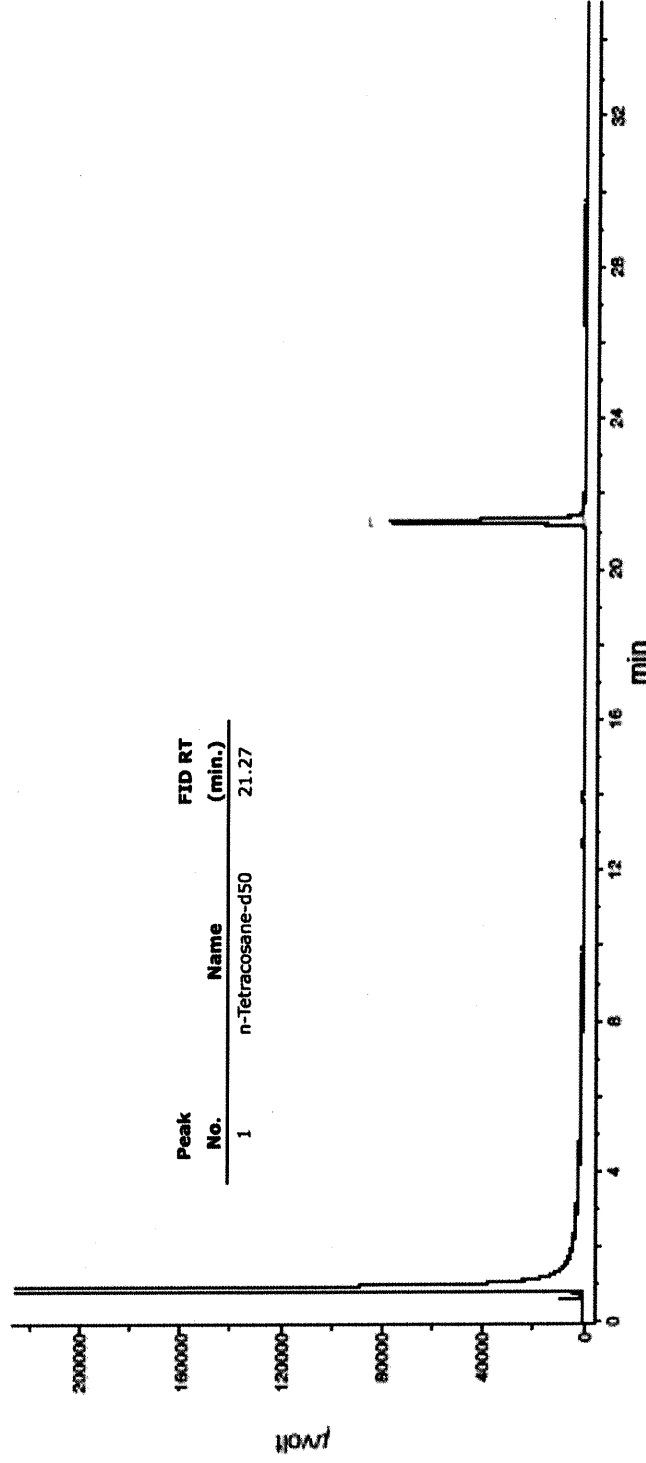
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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





SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: LANGAN
ADDRESS: 1 North Broadway
CITY White Plains STATE: NY ZIP: 10601
ATTENTION: Gregory DelMastro
PHONE: 914-323-7414 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Richmond Terrace - Site 163
PROJECT NO.: 190134901 LOCATION:
PROJECT MANAGER: Gregory DelMastro
e-mail: gdelmastro@langan.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: LANGAN PO#: 190134901
ADDRESS:
CITY SAME STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 31 DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. VOCS (826)
2. SOLVENTS (827)
3. TAL Metals (600700)
4. PcBs (8082A)
5. Pesticides (80812)

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	<u>SS-01-0-1</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>15:05</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
2.	<u>SS-01-1-2</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>15:20</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
3.	<u>SS-01-2-3</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>16:00</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
1. <u>[Signature]</u>	<u>10/7/25 20:00</u>	<u>[Signature]</u>	Comments: _____
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>[Signature]</u>			
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	CLIENT: ☐ Hand Delivered ☐ Other
3. <u>[Signature]</u>	<u>10-8-25</u>	<u>[Signature]</u>	Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3310	LANG01	Order Date : 10/8/2025 1:24:21 PM	Project Mgr :
Client Name : Langan Engineering and En		Project Name : Con Edison Richmond Terr	Report Type : Results Only
Client Contact : Gregory DelMastro		Receive DateTime : 10/8/2025 12:00:00 AM	EDD Type : Excel NY
Invoice Name : Langan Engineering and En		Purchase Order : 16:30	Hard Copy Date :
Invoice Contact : Gregory DelMastro			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3310-01	SS-01-0-1	Solid	10/07/2025	15:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3310-02	SS-01-1-2	Solid	10/07/2025	15:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3310-03	SS-01-2-3	Solid	10/07/2025	16:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : CPDate / Time : 10/9/25 11:50Received By : HBDate / Time : 10/09/25

Storage Area : VOA Refridgerator Room