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

Cover Page

Order ID : Q2393

Project ID : 190 Park Ave Hanover Twp NJ - PO 2556-001

Client : Union Paving & Construction Company

Lab Sample Number	Client Sample Number
Q2393-01	PARK AVE -1
Q2393-02	PARK AVE -1
Q2393-03	PARK AVE -2
Q2393-04	PARK AVE -2
Q2393-05	PARK AVE -3
Q2393-06	PARK AVE -3
Q2393-07	PARK AVE -4
Q2393-08	PARK AVE -4
Q2393-09	PARK AVE -5
Q2393-10	PARK AVE -5
Q2393-11	PARK AVE -6
Q2393-12	PARK AVE -6

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

Signature : _____

Date: 6/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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 is 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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2393**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **PRATHA PARGHI** **Date:** **06/28/2025**

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

LAB CHRONICLE

OrderID:	Q2393	**OrderDate:**	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	**Project:**	190 Park Ave Hanover Twp NJ - PO 2556-001
Contact:	Gerard Busacco	**Location:**	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-01	**PARK AVE -1**	**SOIL**			**06/23/25**			**06/23/25**
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-03	**PARK AVE -2**	**SOIL**			**06/23/25**			**06/23/25**
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-05	**PARK AVE -3**	**SOIL**			**06/23/25**			**06/23/25**
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-07	**PARK AVE -4**	**SOIL**			**06/23/25**			**06/23/25**
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-09	**PARK AVE -5**	**SOIL**			**06/23/25**			**06/23/25**
			Pesticide-TCL	8081B		06/25/25	06/25/25	
Q2393-11	**PARK AVE -6**	**SOIL**			**06/23/25**			**06/23/25**
			Pesticide-TCL	8081B		06/25/25	06/25/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2393 **Order ID:** Q2393

Client: Union Paving & Construction Company **Project ID:** 190 Park Ave Hanover Twp NJ - PO 2

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PARK AVE -3								
Q2393-05	PARK AVE -3	SOIL	4,4-DDE	0.45	JP	0.16	2.00	ug/kg
Q2393-05	PARK AVE -3	SOIL	4,4-DDD	0.70	JP	0.17	2.00	ug/kg
Q2393-05	PARK AVE -3	SOIL	4,4-DDT	0.53	J	0.16	2.00	ug/kg
Q2393-05	PARK AVE -3	SOIL	alpha-Chlordane	1.10	JP	0.14	2.00	ug/kg
Q2393-05	PARK AVE -3	SOIL	gamma-Chlordane	0.73	J	0.17	2.00	ug/kg
			Total Concentration:	**3.510**				
Client ID : PARK AVE -4								
Q2393-07	PARK AVE -4	SOIL	4,4-DDE	0.27	J	0.16	1.90	ug/kg
Q2393-07	PARK AVE -4	SOIL	4,4-DDT	0.28	J	0.16	1.90	ug/kg
Q2393-07	PARK AVE -4	SOIL	alpha-Chlordane	0.55	JP	0.14	1.90	ug/kg
Q2393-07	PARK AVE -4	SOIL	gamma-Chlordane	0.25	J	0.17	1.90	ug/kg
			Total Concentration:	**1.350**				
Client ID : PARK AVE -5								
Q2393-09	PARK AVE -5	SOIL	Aldrin	0.19	J	0.13	1.90	ug/kg
Q2393-09	PARK AVE -5	SOIL	4,4-DDE	0.36	J	0.15	1.90	ug/kg
Q2393-09	PARK AVE -5	SOIL	4,4-DDT	0.28	JP	0.15	1.90	ug/kg
Q2393-09	PARK AVE -5	SOIL	alpha-Chlordane	0.56	J	0.13	1.90	ug/kg
Q2393-09	PARK AVE -5	SOIL	gamma-Chlordane	0.35	J	0.16	1.90	ug/kg
			Total Concentration:	**1.740**				
Client ID : PARK AVE -6								
Q2393-11	PARK AVE -6	SOIL	4,4-DDE	0.29	JP	0.16	2.00	ug/kg
Q2393-11	PARK AVE -6	SOIL	4,4-DDT	0.26	J	0.16	2.00	ug/kg
Q2393-11	PARK AVE -6	SOIL	alpha-Chlordane	0.61	J	0.14	2.00	ug/kg
Q2393-11	PARK AVE -6	SOIL	gamma-Chlordane	0.38	JP	0.17	2.00	ug/kg
			Total Concentration:	**1.540**				

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphenyl	1	20	18.2	91		57	171
		Tetrachloro-m-xylene	1	20	16.1	80		61	148
		Decachlorobiphenyl	2	20	18.6	93		57	171
		Tetrachloro-m-xylene	2	20	17.7	88		61	148
I.BLK-PD089133.D	PIBLK-PD089133.D	Decachlorobiphenyl	1	20	19.9	100		57	171
		Tetrachloro-m-xylene	1	20	19.2	96		61	148
		Decachlorobiphenyl	2	20	20.8	104		57	171
		Tetrachloro-m-xylene	2	20	21.0	105		61	148
PB168608BL	PB168608BL	Decachlorobiphenyl	1	20	18.8	94		20	144
		Tetrachloro-m-xylene	1	20	17.1	86		19	148
		Decachlorobiphenyl	2	20	19.3	96		20	144
		Tetrachloro-m-xylene	2	20	18.8	94		19	148
PB168608BS	PB168608BS	Decachlorobiphenyl	1	20	23.6	118		20	144
		Tetrachloro-m-xylene	1	20	21.2	106		19	148
		Decachlorobiphenyl	2	20	24.3	121		20	144
		Tetrachloro-m-xylene	2	20	23.2	116		19	148
Q2393-01	PARK AVE -1	Decachlorobiphenyl	1	20	17.6	88		20	144
		Tetrachloro-m-xylene	1	20	17.8	89		19	148
		Decachlorobiphenyl	2	20	16.4	82		20	144
		Tetrachloro-m-xylene	2	20	18.9	95		19	148
Q2393-01MS	PARK AVE -1MS	Decachlorobiphenyl	1	20	16.5	82		20	144
		Tetrachloro-m-xylene	1	20	15.3	77		19	148
		Decachlorobiphenyl	2	20	15.6	78		20	144
		Tetrachloro-m-xylene	2	20	17.1	86		19	148
Q2393-01MSD	PARK AVE -1MSD	Decachlorobiphenyl	1	20	16.4	82		20	144
		Tetrachloro-m-xylene	1	20	15.5	77		19	148
		Decachlorobiphenyl	2	20	16.0	80		20	144
		Tetrachloro-m-xylene	2	20	17.2	86		19	148
Q2393-03	PARK AVE -2	Decachlorobiphenyl	1	20	15.8	79		20	144
		Tetrachloro-m-xylene	1	20	16.6	83		19	148
		Decachlorobiphenyl	2	20	15.8	79		20	144
		Tetrachloro-m-xylene	2	20	17.5	87		19	148
I.BLK-PD089144.D	PIBLK-PD089144.D	Decachlorobiphenyl	1	20	20.7	104		57	171
		Tetrachloro-m-xylene	1	20	19.6	98		61	148
		Decachlorobiphenyl	2	20	20.8	104		57	171
		Tetrachloro-m-xylene	2	20	21.0	105		61	148
Q2393-05	PARK AVE -3	Decachlorobiphenyl	1	20	14.5	72		20	144
		Tetrachloro-m-xylene	1	20	15.1	76		19	148
		Decachlorobiphenyl	2	20	13.2	66		20	144
		Tetrachloro-m-xylene	2	20	15.9	79		19	148
Q2393-07	PARK AVE -4	Decachlorobiphenyl	1	20	11.1	56		20	144

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

Surrogate Summary

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q2393-07	PARK AVE -4	Tetrachloro-m-xylene	1	20	11.8	59		19	148
		Decachlorobiphenyl	2	20	9.59	48		20	144
		Tetrachloro-m-xylene	2	20	12.5	63		19	148
Q2393-09	PARK AVE -5	Decachlorobiphenyl	1	20	9.08	45		20	144
		Tetrachloro-m-xylene	1	20	10.2	51		19	148
		Decachlorobiphenyl	2	20	8.44	42		20	144
		Tetrachloro-m-xylene	2	20	10.7	54		19	148
Q2393-11	PARK AVE -6	Decachlorobiphenyl	1	20	10.4	52		20	144
		Tetrachloro-m-xylene	1	20	10.5	52		19	148
		Decachlorobiphenyl	2	20	8.52	43		20	144
		Tetrachloro-m-xylene	2	20	11.1	55		19	148
I.BLK-PD089154.D	PIBLK-PD089154.D	Decachlorobiphenyl	1	20	15.6	78		57	171
		Tetrachloro-m-xylene	1	20	17.6	88		61	148
		Decachlorobiphenyl	2	20	10.8	54	*	57	171
		Tetrachloro-m-xylene	2	20	21.2	106		61	148

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **DataFile :** PD089141.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**PARK AVE -1MS**											
Q2393-01MS (Column 1)	alpha-BHC	19.98	0	18.0	ug/kg	90				60	144	
	beta-BHC	19.98	0	17.3	ug/kg	87				54	143	
	delta-BHC	19.98	0	18.8	ug/kg	94				29	151	
	gamma-BHC (Lindane)	19.98	0	18.0	ug/kg	90				61	140	
	Heptachlor	19.98	0	17.3	ug/kg	87				63	135	
	Aldrin	19.98	0	17.8	ug/kg	89				49	139	
	Heptachlor epoxide	19.98	0	17.4	ug/kg	87				41	156	
	Endosulfan I	19.98	0	17.3	ug/kg	87				56	142	
	Dieldrin	19.98	0	17.4	ug/kg	87				47	161	
	4,4'-DDE	19.98	0	17.1	ug/kg	86				55	136	
	Endrin	19.98	0	16.6	ug/kg	83				57	139	
	Endosulfan II	19.98	0	16.6	ug/kg	83				40	163	
	4,4'-DDD	19.98	0	17.6	ug/kg	88				47	163	
	Endosulfan sulfate	19.98	0	16.7	ug/kg	84				62	139	
	4,4'-DDT	19.98	0	15.8	ug/kg	79				51	146	
	Methoxychlor	19.98	0	15.6	ug/kg	78				54	136	
	Endrin ketone	19.98	0	17.0	ug/kg	85				60	129	
	Endrin aldehyde	19.98	0	17.2	ug/kg	86				59	132	
	alpha-Chlordane	19.98	0	17.3	ug/kg	87				39	166	
	gamma-Chlordane	19.98	0	17.1	ug/kg	86				44	175	
Client Sample ID:	**PARK AVE -1MS**											
Q2393-01MS (Column 2)	alpha-BHC	19.98	0	18.0	ug/kg	90				60	144	
	beta-BHC	19.98	0	17.7	ug/kg	89				54	143	
	delta-BHC	19.98	0	18.0	ug/kg	90				29	151	
	gamma-BHC (Lindane)	19.98	0	18.0	ug/kg	90				61	140	
	Heptachlor	19.98	0	17.4	ug/kg	87				63	135	
	Aldrin	19.98	0	17.9	ug/kg	90				49	139	
	Heptachlor epoxide	19.98	0	17.6	ug/kg	88				41	156	
	Endosulfan I	19.98	0	17.6	ug/kg	88				56	142	
	Dieldrin	19.98	0	17.5	ug/kg	88				47	161	
	4,4'-DDE	19.98	0	17.3	ug/kg	87				55	136	
	Endrin	19.98	0	17.4	ug/kg	87				57	139	
	Endosulfan II	19.98	0	16.9	ug/kg	85				40	163	
	4,4'-DDD	19.98	0	17.3	ug/kg	87				47	163	
	Endosulfan sulfate	19.98	0	16.6	ug/kg	83				62	139	
	4,4'-DDT	19.98	0	16.0	ug/kg	80				51	146	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **DataFile :** PD089141.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q2393-01MS (Column 2)	Methoxychlor	19.98	0	15.4	ug/kg	77				54	136	
	Endrin ketone	19.98	0	16.4	ug/kg	82				60	129	
	Endrin aldehyde	19.98	0	16.8	ug/kg	84				59	132	
	alpha-Chlordane	19.98	0	17.6	ug/kg	88				39	166	
	gamma-Chlordane	19.98	0	17.6	ug/kg	88				44	175	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **DataFile :** PD089142.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**PARK AVE -1MSD**											
Q2393-01MSD (Column 1)	alpha-BHC	19.94	0	17.9	ug/kg	90		0		60	144	20
	beta-BHC	19.94	0	17.5	ug/kg	88		1		54	143	20
	delta-BHC	19.94	0	18.8	ug/kg	94		0		29	151	20
	gamma-BHC (Lindane)	19.94	0	17.9	ug/kg	90		0		61	140	20
	Heptachlor	19.94	0	17.4	ug/kg	87		0		63	135	20
	Aldrin	19.94	0	17.8	ug/kg	89		0		49	139	20
	Heptachlor epoxide	19.94	0	17.4	ug/kg	87		0		41	156	20
	Endosulfan I	19.94	0	17.6	ug/kg	88		1		56	142	20
	Dieldrin	19.94	0	17.4	ug/kg	87		0		47	161	20
	4,4'-DDE	19.94	0	17.5	ug/kg	88		2		55	136	20
	Endrin	19.94	0	17.2	ug/kg	86		4		57	139	20
	Endosulfan II	19.94	0	16.7	ug/kg	84		1		40	163	20
	4,4'-DDD	19.94	0	17.8	ug/kg	89		1		47	163	20
	Endosulfan sulfate	19.94	0	16.9	ug/kg	85		1		62	139	20
	4,4'-DDT	19.94	0	16.1	ug/kg	81		3		51	146	20
	Methoxychlor	19.94	0	15.7	ug/kg	79		1		54	136	20
	Endrin ketone	19.94	0	17.1	ug/kg	86		1		60	129	20
	Endrin aldehyde	19.94	0	17.4	ug/kg	87		1		59	132	20
	alpha-Chlordane	19.94	0	17.5	ug/kg	88		1		39	166	20
	gamma-Chlordane	19.94	0	17.2	ug/kg	86		0		44	175	20
Client Sample ID:	**PARK AVE -1MSD**											
Q2393-01MSD (Column 2)	alpha-BHC	19.94	0	18.0	ug/kg	90		0		60	144	20
	beta-BHC	19.94	0	17.8	ug/kg	89		0		54	143	20
	delta-BHC	19.94	0	17.9	ug/kg	90		0		29	151	20
	gamma-BHC (Lindane)	19.94	0	18.0	ug/kg	90		0		61	140	20
	Heptachlor	19.94	0	17.4	ug/kg	87		0		63	135	20
	Aldrin	19.94	0	17.9	ug/kg	90		0		49	139	20
	Heptachlor epoxide	19.94	0	17.7	ug/kg	89		1		41	156	20
	Endosulfan I	19.94	0	17.7	ug/kg	89		1		56	142	20
	Dieldrin	19.94	0	17.5	ug/kg	88		0		47	161	20
	4,4'-DDE	19.94	0	17.4	ug/kg	87		0		55	136	20
	Endrin	19.94	0	17.0	ug/kg	85		2		57	139	20
	Endosulfan II	19.94	0	17.1	ug/kg	86		1		40	163	20
	4,4'-DDD	19.94	0	16.7	ug/kg	84		4		47	163	20
	Endosulfan sulfate	19.94	0	16.8	ug/kg	84		1		62	139	20
	4,4'-DDT	19.94	0	16.3	ug/kg	82		2		51	146	20

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **DataFile :** PD089142.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Q2393-01MSD (Column 2)	Methoxychlor	19.94	0	15.7	ug/kg	79		3		54	136	20
	Endrin ketone	19.94	0	16.7	ug/kg	84		2		60	129	20
	Endrin aldehyde	19.94	0	17.1	ug/kg	86		2		59	132	20
	alpha-Chlordane	19.94	0	17.6	ug/kg	88		0		39	166	20
	gamma-Chlordane	19.94	0	17.7	ug/kg	89		1		44	175	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393 **Analytical Method:** 8081B

Client: Union Paving & Construction Company **Datafile :** PD089137.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168608BS (Column 1)	alpha-BHC	16.65	16.1	ug/kg	97				84	123	
	beta-BHC	16.65	15.5	ug/kg	93				82	123	
	delta-BHC	16.65	17.0	ug/kg	102				83	126	
	gamma-BHC (Lindane)	16.65	16.0	ug/kg	96				83	125	
	Heptachlor	16.65	15.8	ug/kg	95				83	122	
	Aldrin	16.65	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.65	16.0	ug/kg	96				83	120	
	Endosulfan I	16.65	16.1	ug/kg	97				81	124	
	Dieldrin	16.65	16.2	ug/kg	97				85	121	
	4,4'-DDE	16.65	16.2	ug/kg	97				81	123	
	Endrin	16.65	15.2	ug/kg	91				76	130	
	Endosulfan II	16.65	16.3	ug/kg	98				80	125	
	4,4'-DDD	16.65	16.6	ug/kg	100				80	131	
	Endosulfan sulfate	16.65	16.0	ug/kg	96				81	122	
	4,4'-DDT	16.65	15.1	ug/kg	91				70	129	
	Methoxychlor	16.65	14.3	ug/kg	86				60	119	
	Endrin ketone	16.65	16.4	ug/kg	98				77	132	
	Endrin aldehyde	16.65	15.9	ug/kg	95				79	124	
	alpha-Chlordane	16.65	16.0	ug/kg	96				84	120	
	gamma-Chlordane	16.65	16.1	ug/kg	97				83	122	
PB168608BS (Column 2)	alpha-BHC	16.65	16.2	ug/kg	97				84	123	
	beta-BHC	16.65	16.0	ug/kg	96				82	123	
	delta-BHC	16.65	16.3	ug/kg	98				83	126	
	gamma-BHC (Lindane)	16.65	16.2	ug/kg	97				83	125	
	Heptachlor	16.65	15.7	ug/kg	94				83	122	
	Aldrin	16.65	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.65	16.2	ug/kg	97				83	120	
	Endosulfan I	16.65	16.3	ug/kg	98				81	124	
	Dieldrin	16.65	16.1	ug/kg	97				85	121	
	4,4'-DDE	16.65	16.1	ug/kg	97				81	123	
	Endrin	16.65	15.0	ug/kg	90				76	130	
	Endosulfan II	16.65	16.0	ug/kg	96				80	125	
	4,4'-DDD	16.65	16.6	ug/kg	100				80	131	
	Endosulfan sulfate	16.65	15.9	ug/kg	95				81	122	
	4,4'-DDT	16.65	15.0	ug/kg	90				70	129	
	Methoxychlor	16.65	14.7	ug/kg	88				60	119	
	Endrin ketone	16.65	16.3	ug/kg	98				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	16.1	ug/kg	97				84	120	
	gamma-Chlordane	16.65	16.3	ug/kg	98				83	122	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168608BL

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

Lab Sample ID: PB168608BL Lab File ID: PD089136.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 06/25/2025

Date Analyzed (1): 06/25/2025 Date Analyzed (2): 06/25/2025

Time Analyzed (1): 16:59 Time Analyzed (2): 16:59

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168608BS	PB168608BS	PD089137.D	06/25/2025	06/25/2025
PARK AVE -1	Q2393-01	PD089140.D	06/25/2025	06/25/2025
PARK AVE -1MS	Q2393-01MS	PD089141.D	06/25/2025	06/25/2025
PARK AVE -1MSD	Q2393-01MSD	PD089142.D	06/25/2025	06/25/2025
PARK AVE -2	Q2393-03	PD089143.D	06/25/2025	06/25/2025
PARK AVE -3	Q2393-05	PD089147.D	06/25/2025	06/25/2025
PARK AVE -4	Q2393-07	PD089148.D	06/25/2025	06/25/2025
PARK AVE -5	Q2393-09	PD089149.D	06/25/2025	06/25/2025
PARK AVE -6	Q2393-11	PD089150.D	06/25/2025	06/25/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PD089140.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089140.D	1	06/25/25 08:45	06/25/25 17:54	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		20 - 144	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		19 - 148	95%	SPK: 20

Raw Data: **PD089140.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089140.D	1	06/25/25 08:45	06/25/25 17:54	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089140.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:54
Operator : AR\AJ
Sample : Q2393-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	50882452	321.0E6	17.834	18.934
28)	SA Decachlor...	9.072	8.071	69147188	324.0E6	17.605	16.387
	Target Compounds						

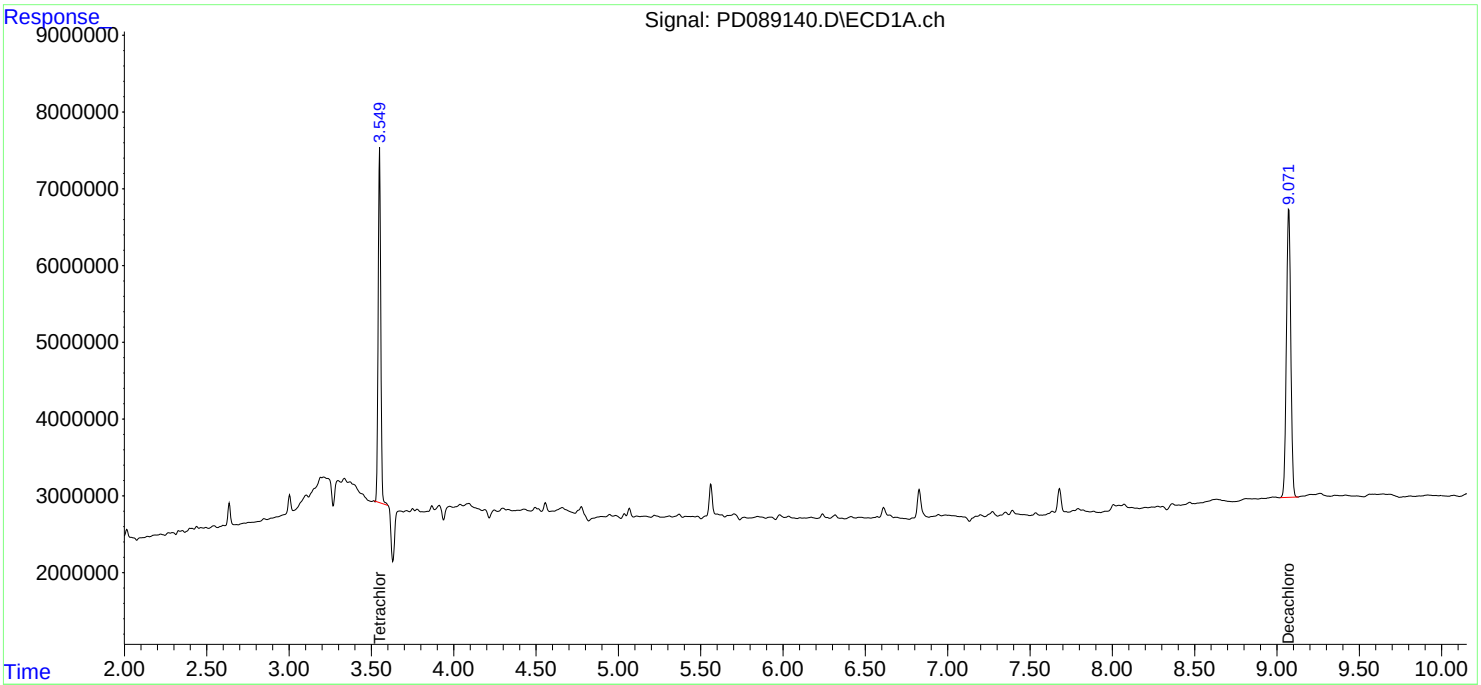
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

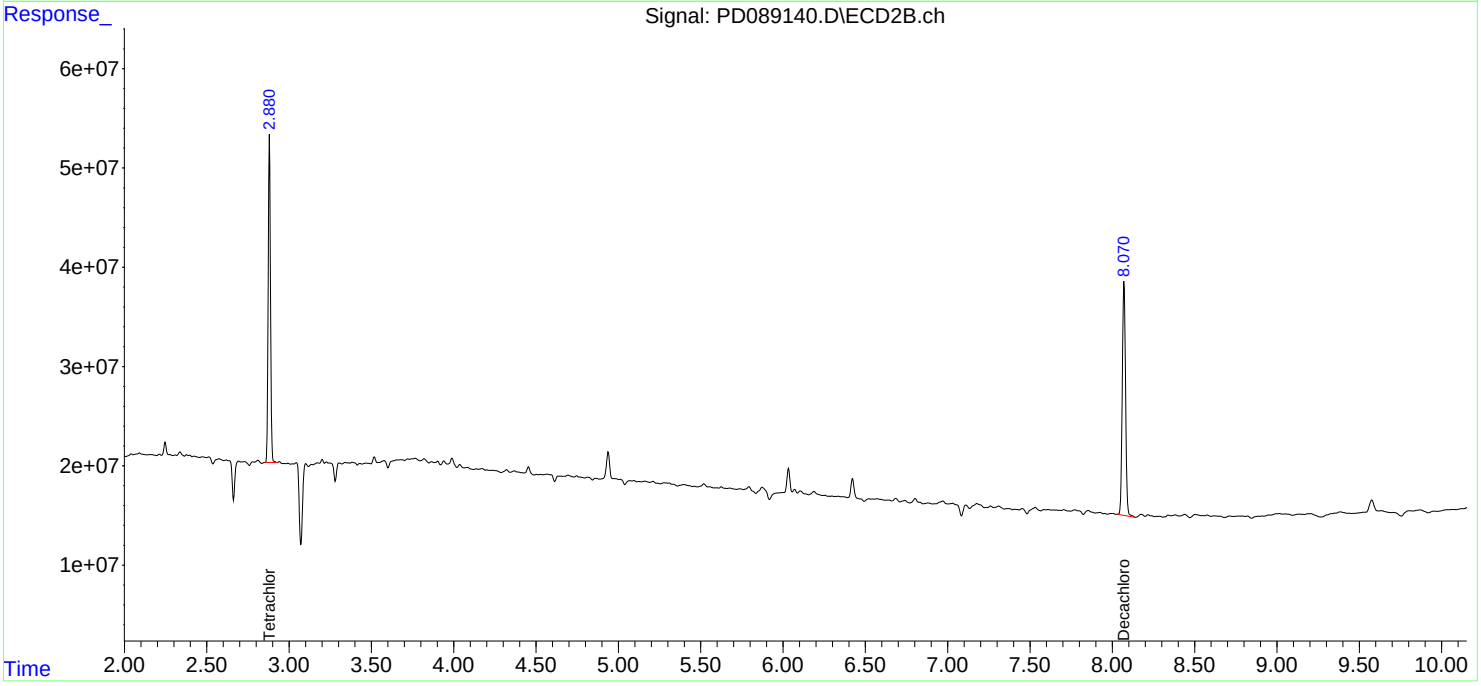
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:54
Operator : AR\AJ
Sample : Q2393-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

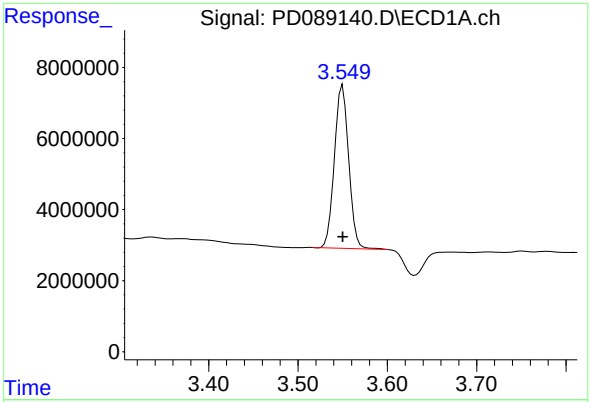
Instrument :
ECD_D
ClientSampleId :
PARK AVE -1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



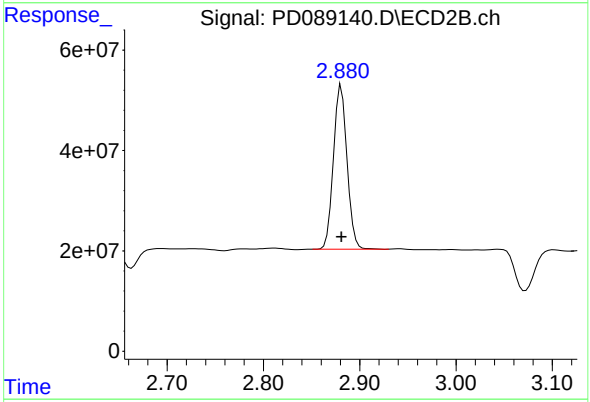




#1 Tetrachloro-m-xylene

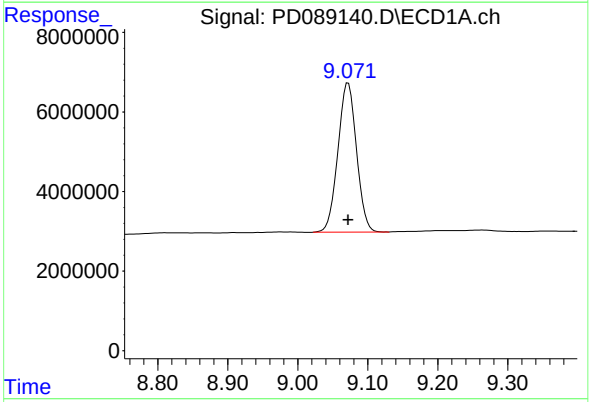
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 50882452
Conc: 17.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1



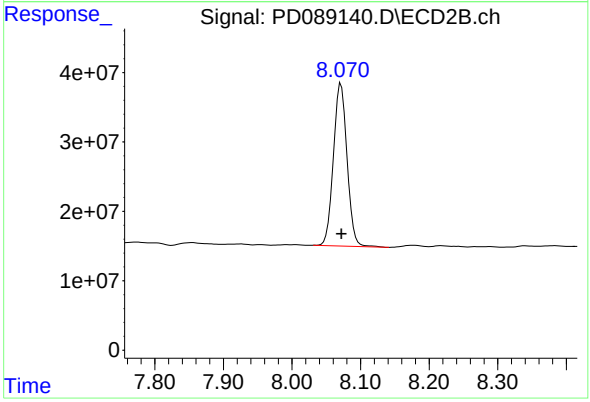
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 320995427
Conc: 18.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 69147188
Conc: 17.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 323972774
Conc: 16.39 ng/ml

Raw Data: **PD089143.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.5 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
PD089143.D	1	06/25/25 08:45	06/25/25 18:35	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		20 - 144	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		19 - 148	87%	SPK: 20

Raw Data: **PD089143.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.5 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
PD089143.D	1	06/25/25 08:45	06/25/25 18:35	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089143.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:35
Operator : AR\AJ
Sample : Q2393-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	47232586	296.1E6	16.555	17.465
28)	SA Decachlor...	9.072	8.071	61974849	311.8E6	15.779	15.773
	Target Compounds						

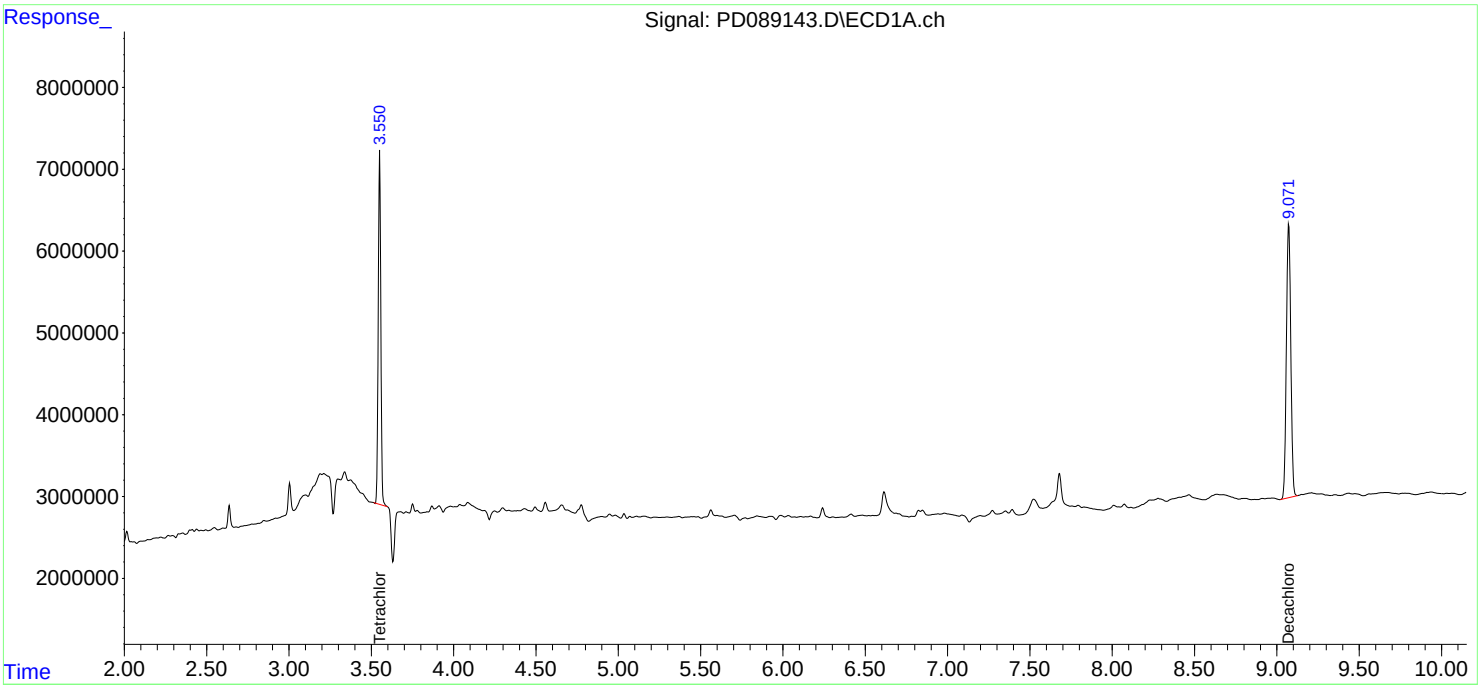
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

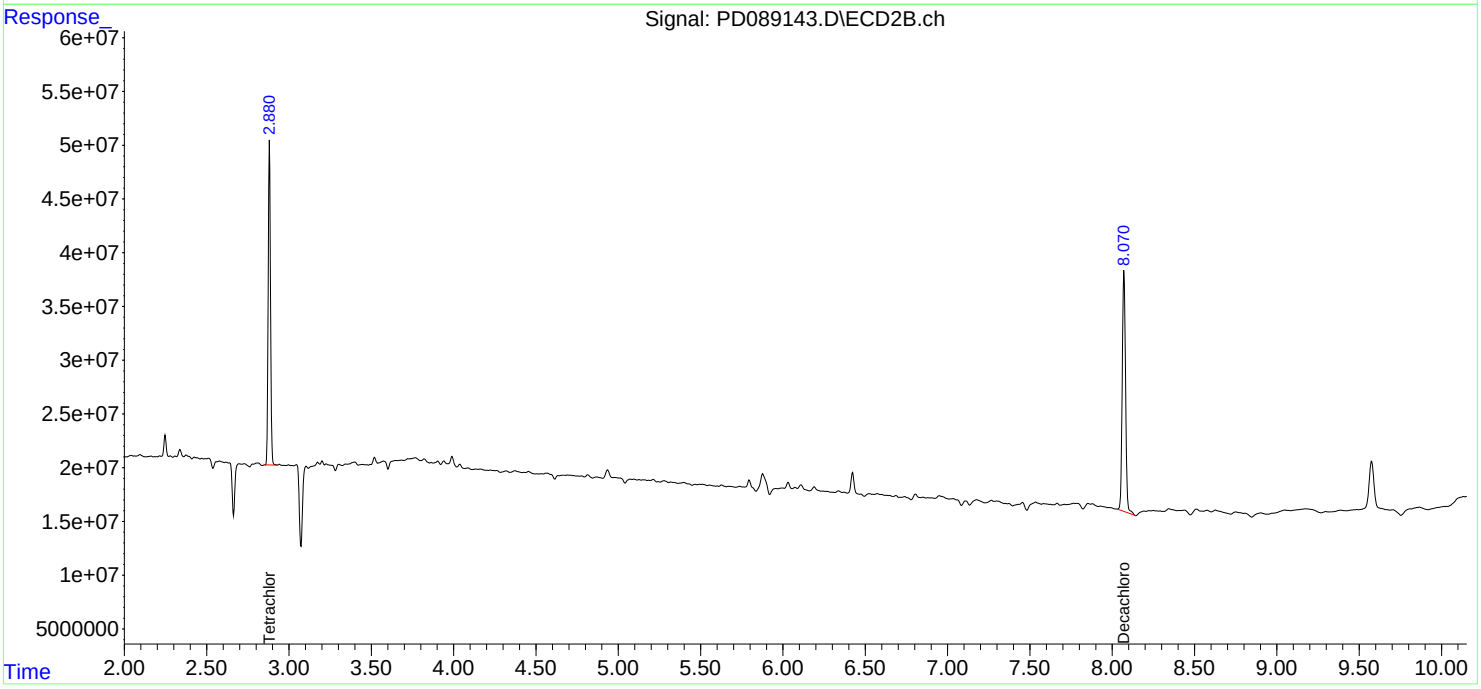
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:35
Operator : AR\AJ
Sample : Q2393-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

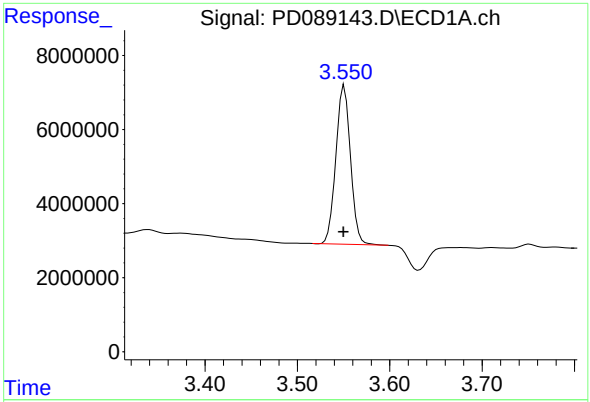
Instrument :
ECD_D
ClientSampleId :
PARK AVE -2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



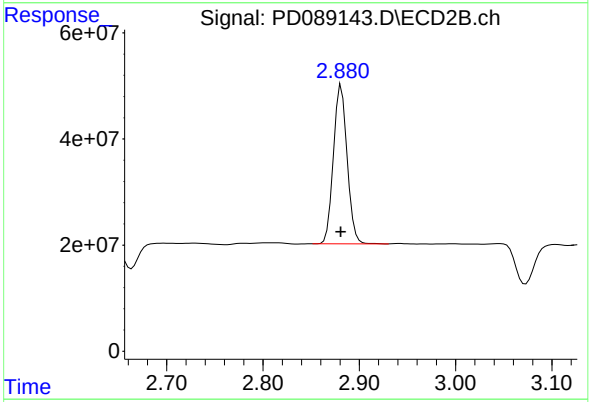




#1 Tetrachloro-m-xylene

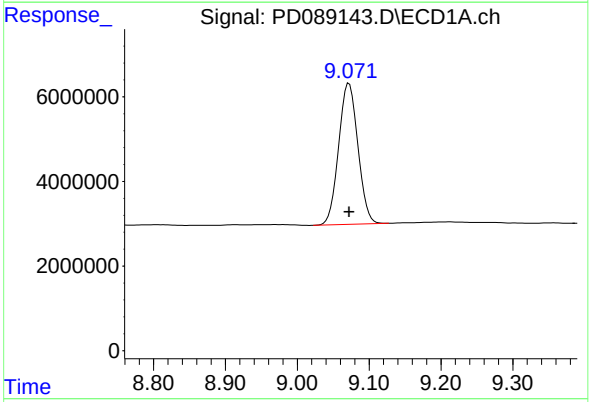
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 47232586
Conc: 16.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -2



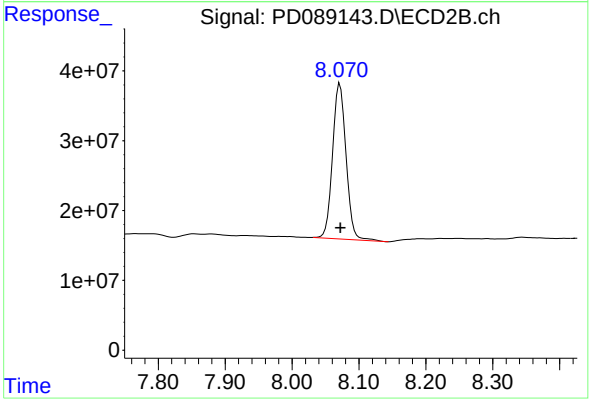
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 296094984
Conc: 17.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 61974849
Conc: 15.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 311831064
Conc: 15.77 ng/ml

Raw Data: **PD089147.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.6 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
PD089147.D	1	06/25/25 08:45	06/25/25 19:57	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.45	JP	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	2.00	ug/kg
72-54-8	4,4-DDD	0.70	JP	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.53	J	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	1.10	JP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.73	J	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	38.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.5		20 - 144	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.9		19 - 148	79%	SPK: 20

Raw Data: **PD089147.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.6 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
PD089147.D	1	06/25/25 08:45	06/25/25 19:57	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089147.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 19:57
Operator : AR\AJ
Sample : Q2393-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	43157521	269.1E6	15.126	15.874
28)	SA Decachlor...	9.071	8.071	56789006	260.7E6	14.459m	13.185
	Target Compounds						
10)	B gamma-Chl...	5.945	5.124	9031380	33205082	1.886	1.388m#
11)	B alpha-Chl...	6.030	5.188	13308266	37225834	2.750	1.626m#
12)	B 4,4'-DDE	6.197	5.373	3017121	26757879	0.692	1.168m#
16)	A 4,4'-DDD	6.701	5.929	6261222	18796923	1.824m	0.983m#
17)	MA 4,4'-DDT	7.021	6.182	3971320	28246117	1.048	1.393 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 19:57
Operator : AR\AJ
Sample : Q2393-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

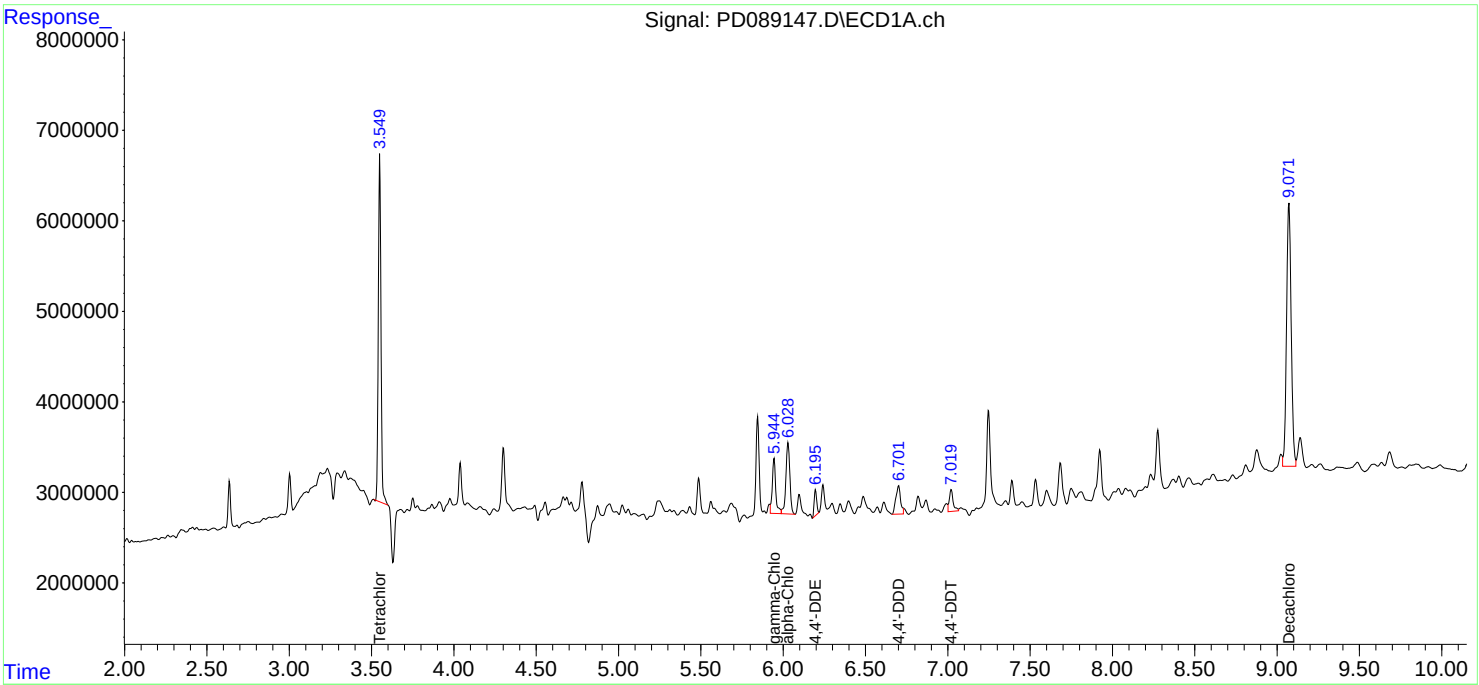
Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

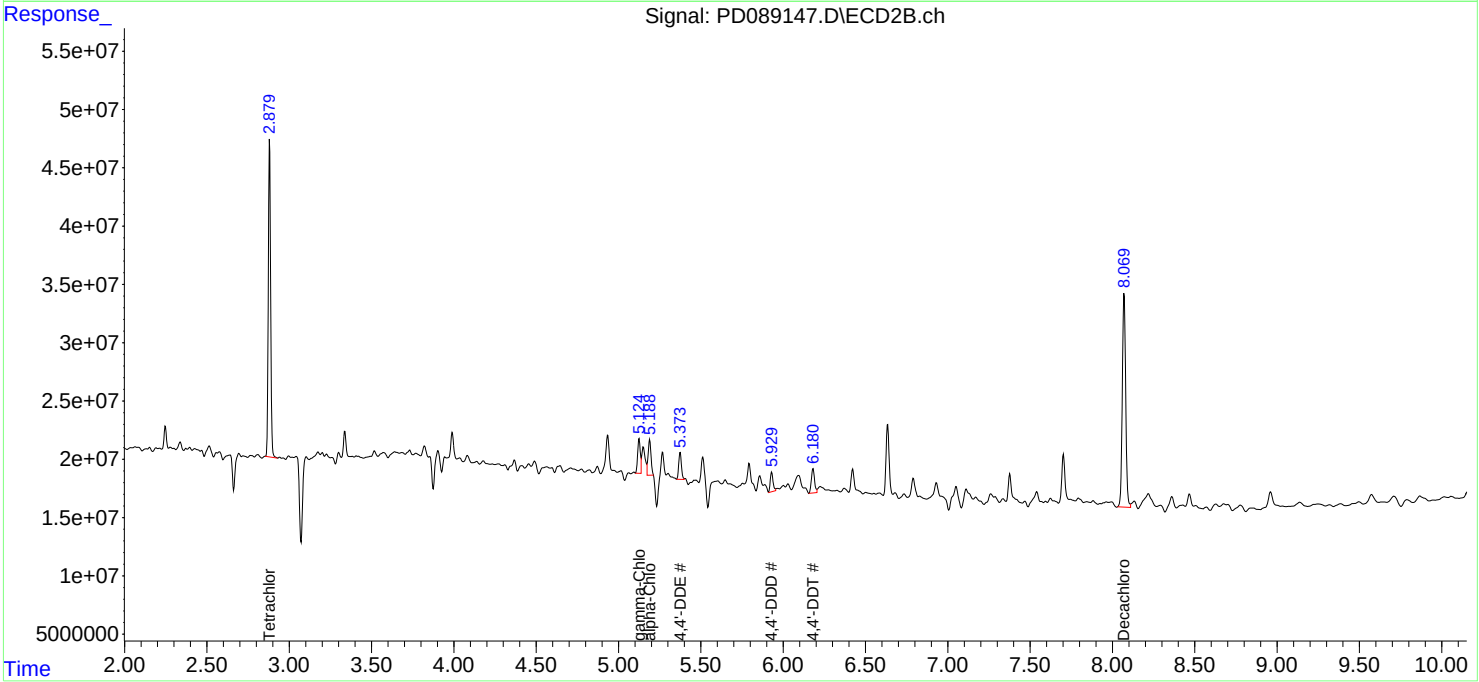
Manual Integrations APPROVED

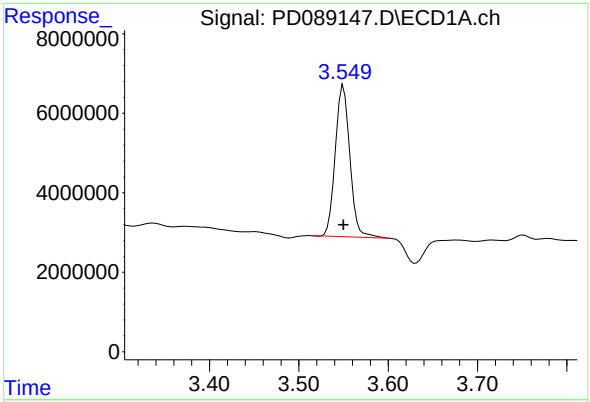
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







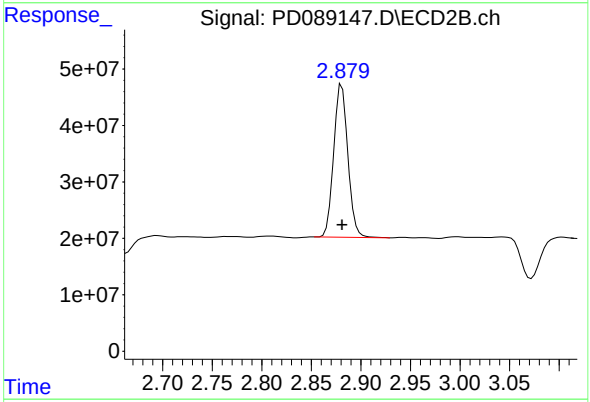
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 43157521
Conc: 15.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

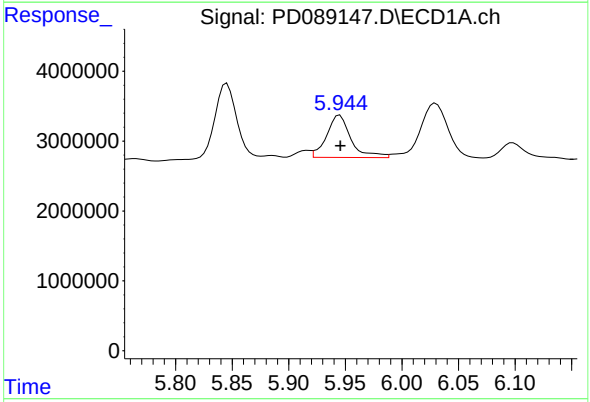
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



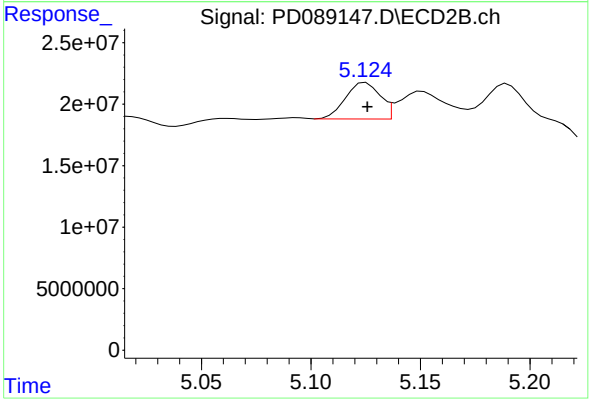
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 269113573
Conc: 15.87 ng/ml



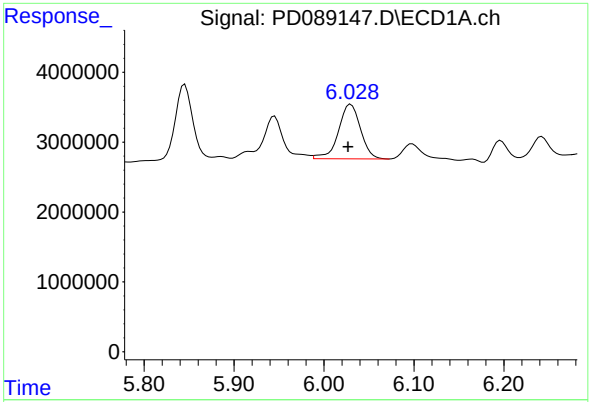
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 9031380
Conc: 1.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 33205082
Conc: 1.39 ng/ml m



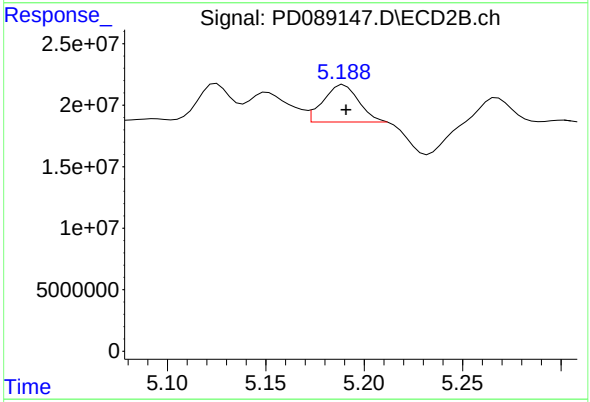
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.003 min
Response: 13308266
Conc: 2.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

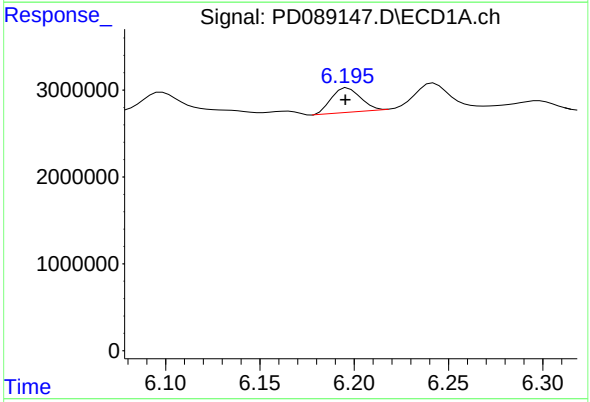
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



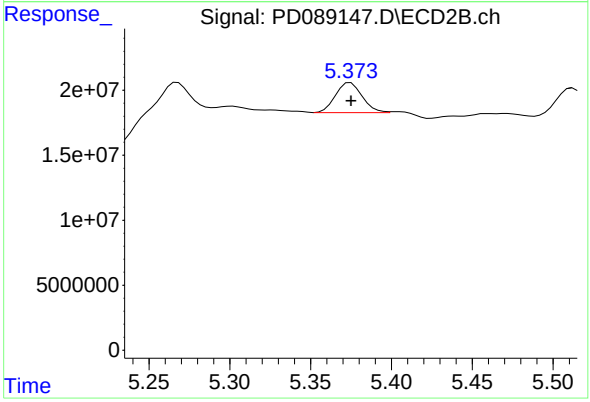
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 37225834
Conc: 1.63 ng/ml m



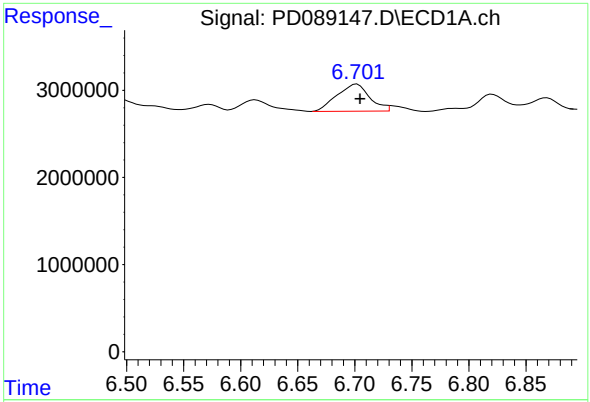
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.001 min
Response: 3017121
Conc: 0.69 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 26757879
Conc: 1.17 ng/ml m



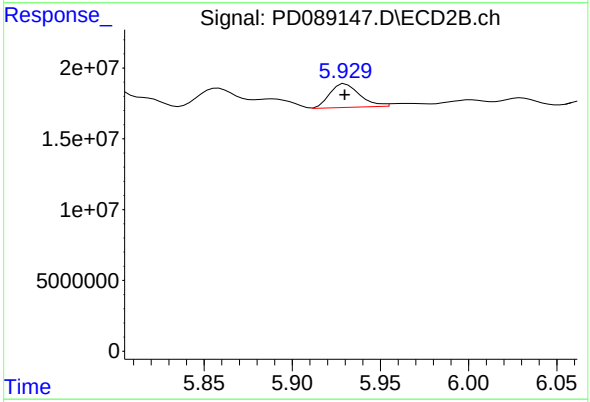
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.004 min
Response: 6261222
Conc: 1.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

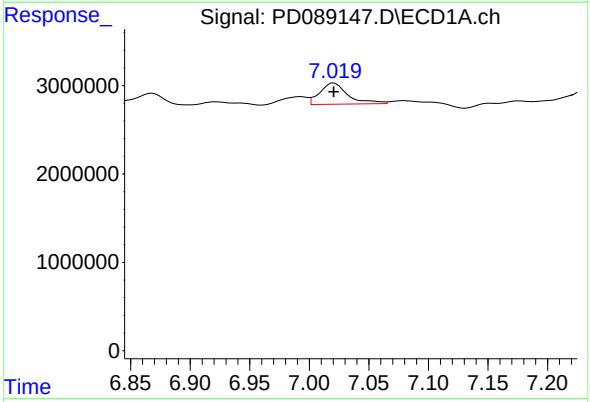
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



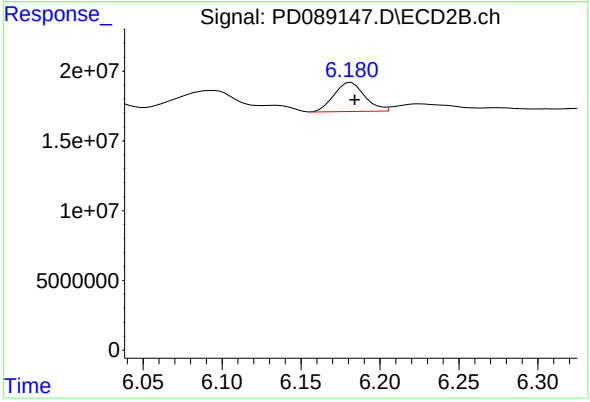
#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.001 min
Response: 18796923
Conc: 0.98 ng/ml m



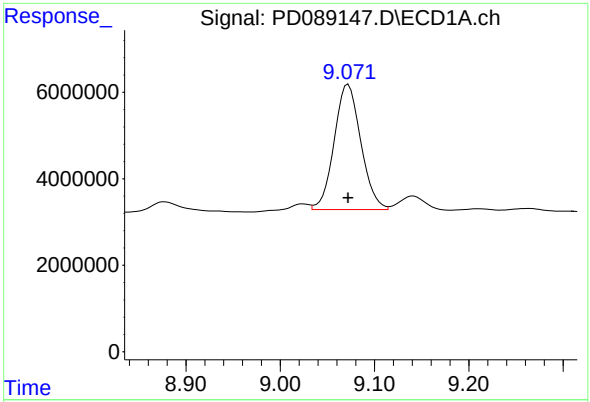
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 3971320
Conc: 1.05 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 28246117
Conc: 1.39 ng/ml



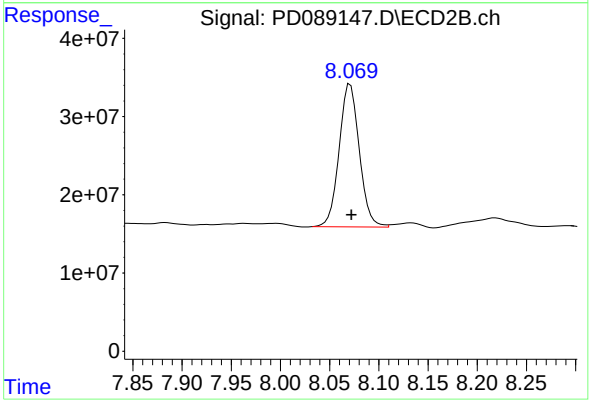
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 56789006
Conc: 14.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -3

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 260675039
Conc: 13.19 ng/ml

Raw Data: **PD089148.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 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
PD089148.D	1	06/25/25 08:45	06/25/25 20:10	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.27	J	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.28	J	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.55	JP	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.25	J	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.1		20 - 144	56%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.5		19 - 148	63%	SPK: 20

Raw Data: **PD089148.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 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
PD089148.D	1	06/25/25 08:45	06/25/25 20:10	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089148.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:10
Operator : AR\AJ
Sample : Q2393-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	33727008	211.9E6	11.821	12.497
28)	SA Decachlor...	9.073	8.072	43753099	189.7E6	11.140	9.594
	Target Compounds						
10)	B gamma-Chl...	5.944	5.124	3197551	12167653	0.668m	0.509m
11)	B alpha-Chl...	6.030	5.189	6986922	20422106	1.444	0.892m#
12)	B 4,4'-DDE	6.196	5.373	1794840	16356893	0.412m	0.714m#
16)	A 4,4'-DDD	6.703	5.929	959216	7118398	0.279m	0.372m#
17)	MA 4,4'-DDT	7.019	6.182	2800688	11650801	0.739m	0.575

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:10
Operator : AR\AJ
Sample : Q2393-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

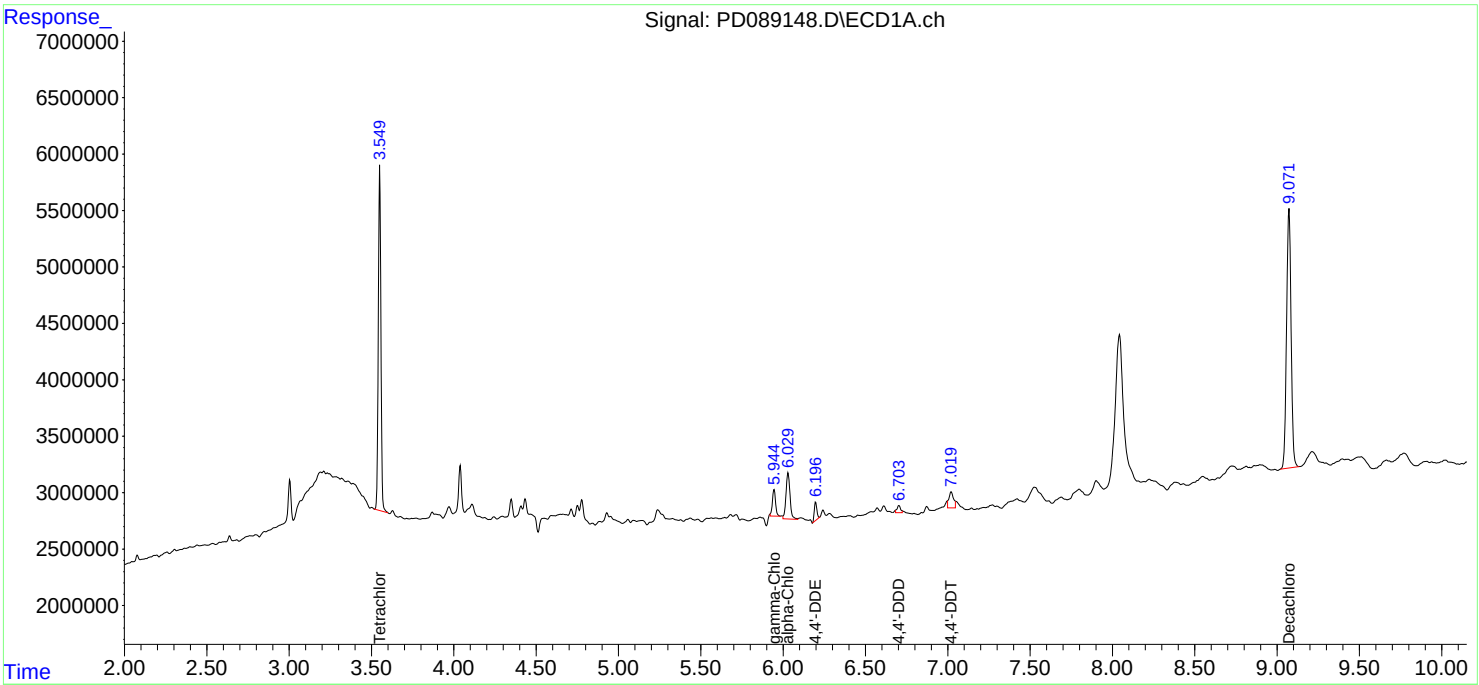
Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

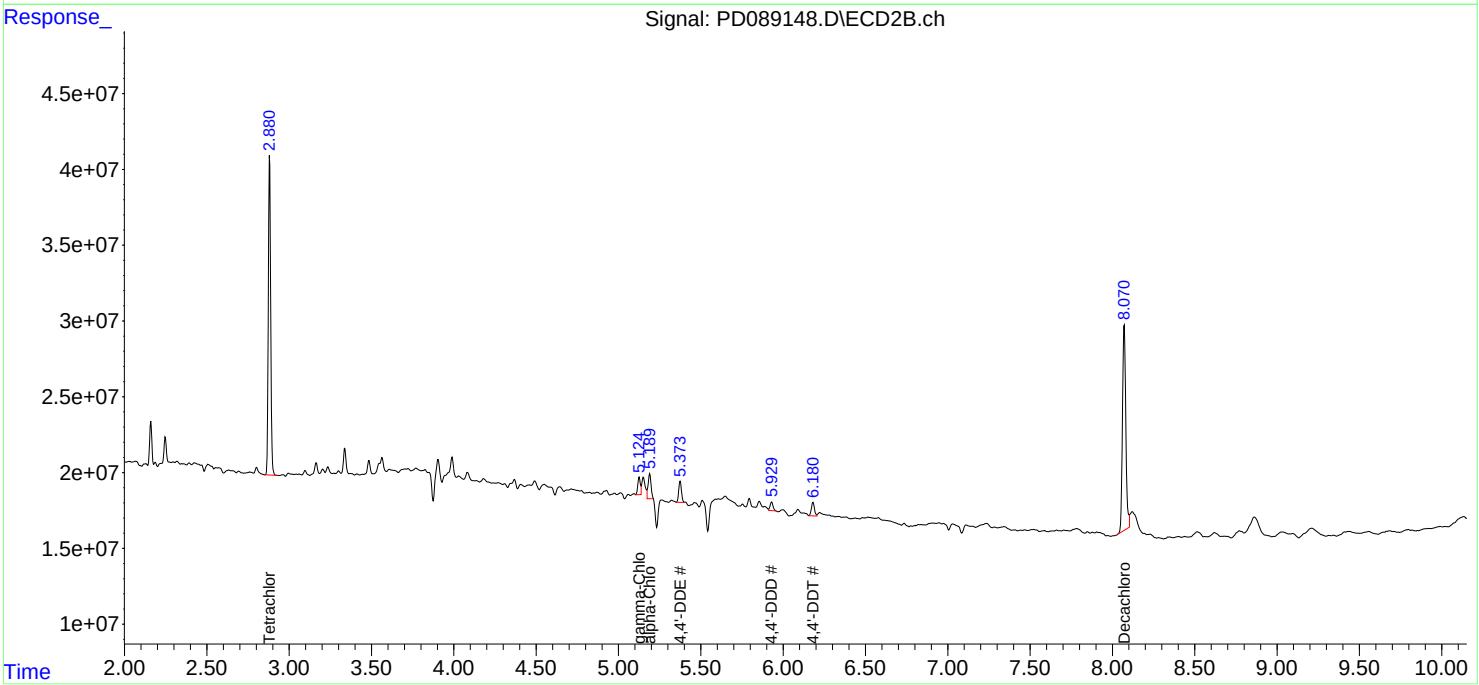
Manual Integrations APPROVED

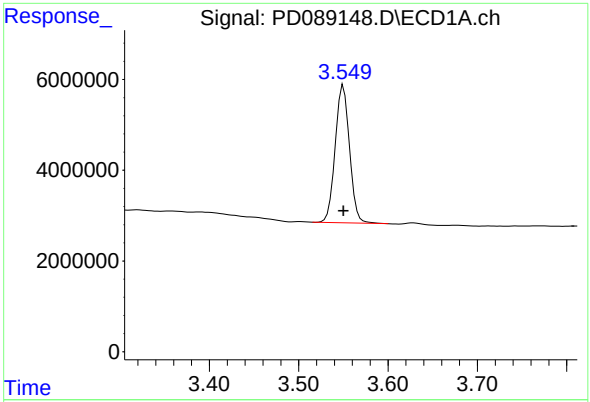
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







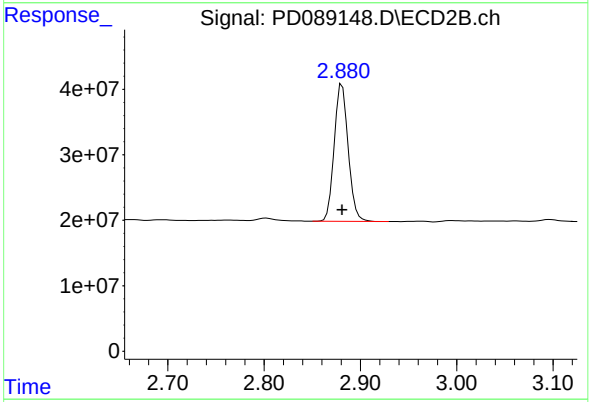
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 33727008
Conc: 11.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

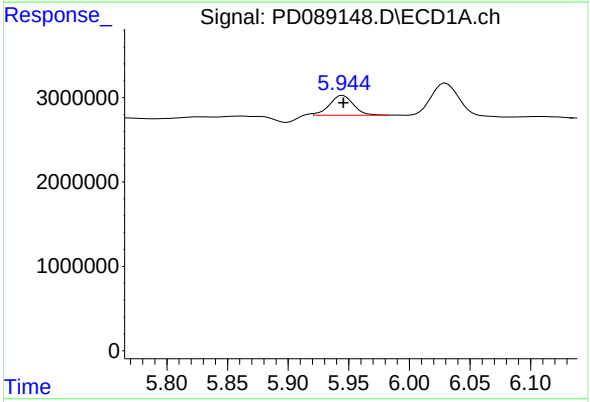
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



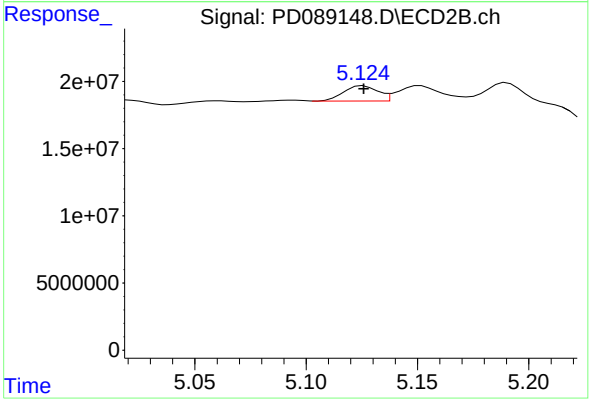
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 211866200
Conc: 12.50 ng/ml



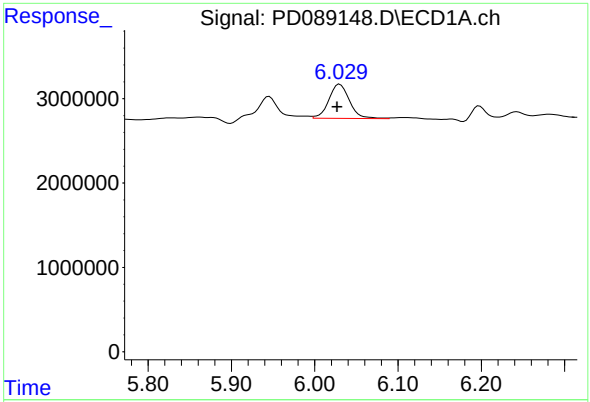
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.002 min
Response: 3197551
Conc: 0.67 ng/ml m



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.001 min
Response: 12167653
Conc: 0.51 ng/ml m



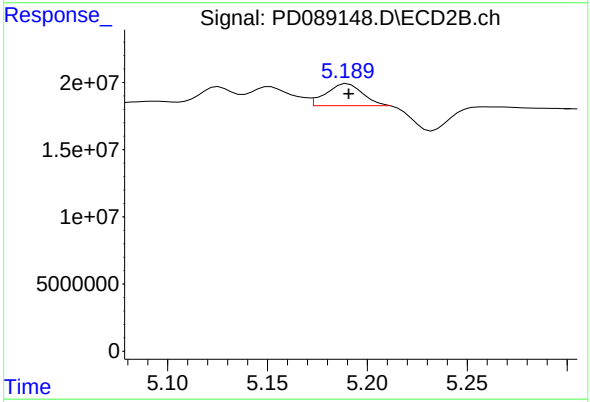
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.003 min
Response: 6986922
Conc: 1.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

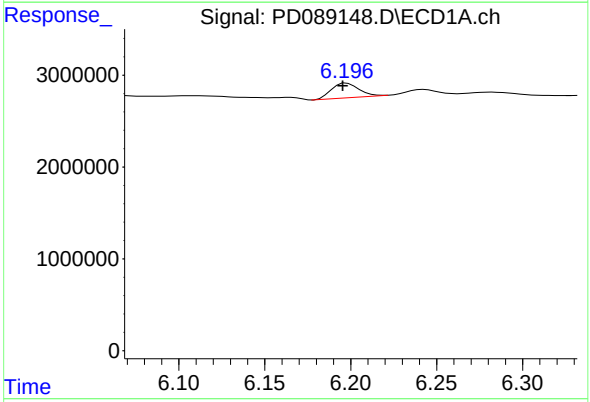
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



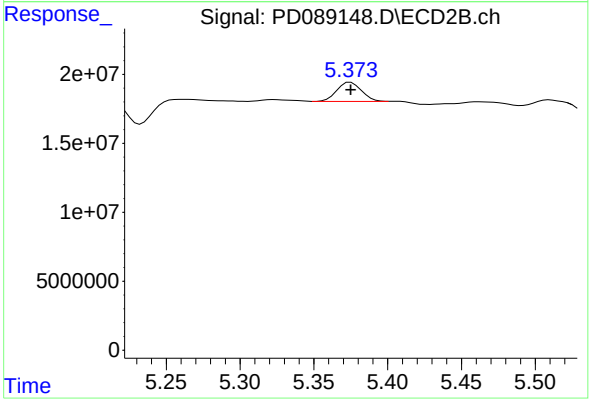
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 20422106
Conc: 0.89 ng/ml m



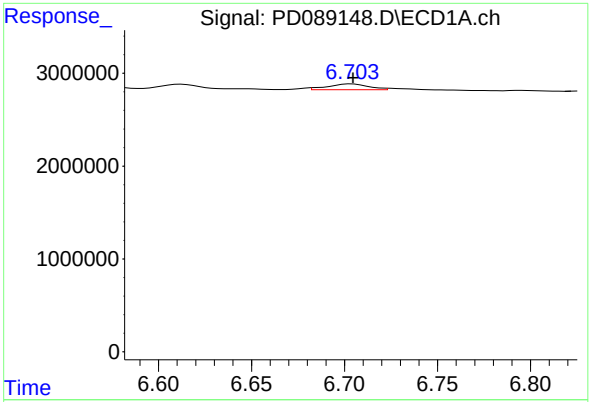
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 1794840
Conc: 0.41 ng/ml m



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 16356893
Conc: 0.71 ng/ml m



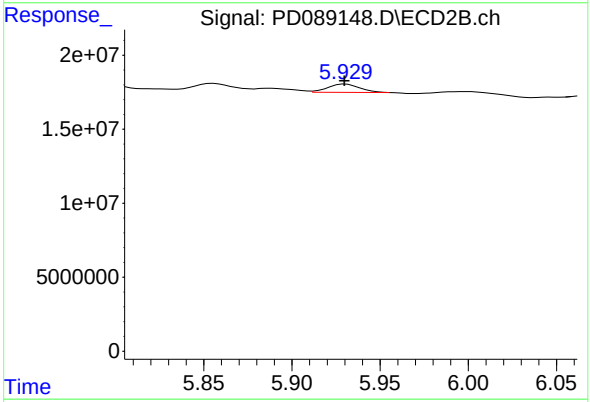
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.002 min
Response: 959216
Conc: 0.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

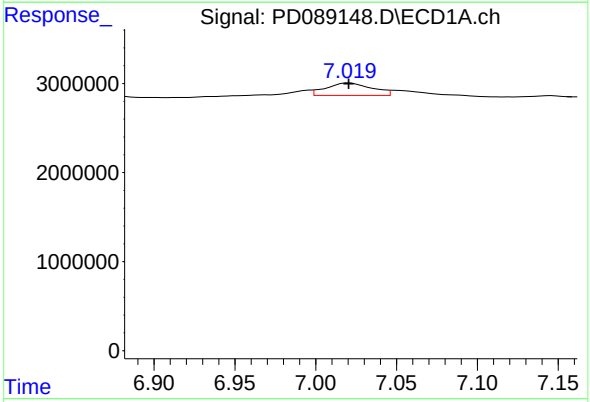
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



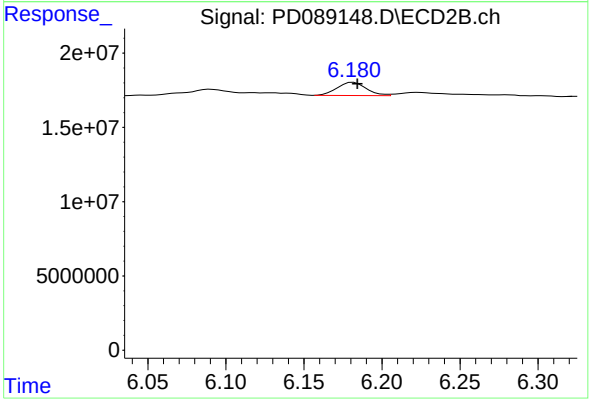
#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 7118398
Conc: 0.37 ng/ml m



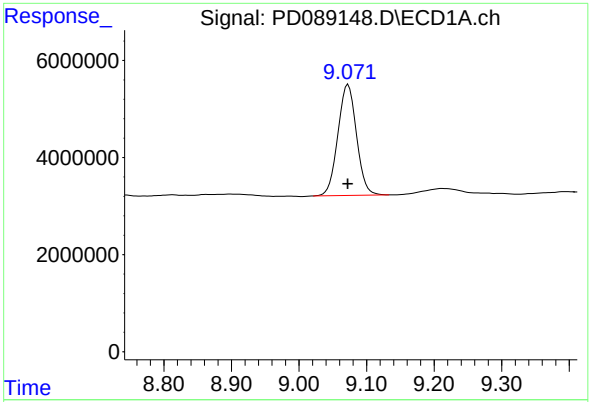
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 2800688
Conc: 0.74 ng/ml m



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 11650801
Conc: 0.57 ng/ml



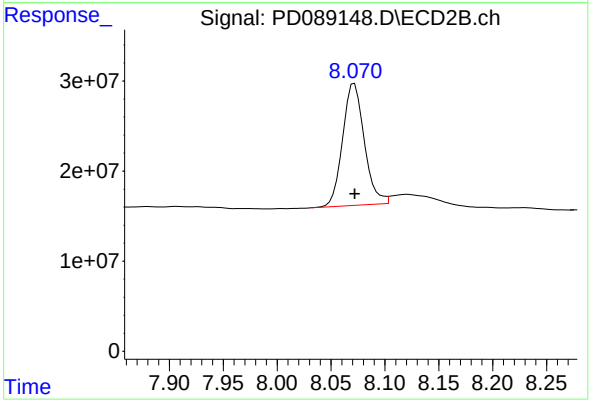
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 43753099
Conc: 11.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -4

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 189671822
Conc: 9.59 ng/ml

Raw Data: **PD089149.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089149.D	1	06/25/25 08:45	06/25/25 20:24	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.19	J	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.36	J	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.28	JP	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.56	J	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.35	J	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.08		20 - 144	45%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.7		19 - 148	54%	SPK: 20

Raw Data: **PD089149.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089149.D	1	06/25/25 08:45	06/25/25 20:24	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089149.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:24
Operator : AR\AJ
Sample : Q2393-09
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.881	29062907	182.0E6	10.186	10.733
28)	SA Decachlor...	9.071	8.071	35658731	166.9E6	9.079	8.441
	Target Compounds						
5)	MB Aldrin	5.269	4.368	1918409	12351970	0.361	0.510 #
10)	B gamma-Chl...	5.943	5.124	4601524	16244417	0.961m	0.679m#
11)	B alpha-Chl...	6.029	5.188	7409527	23992526	1.531	1.048m#
12)	B 4,4'-DDE	6.194	5.373	3181857	22374537	0.730m	0.976m#
16)	A 4,4'-DDD	6.702	5.927	1153743	5915960	0.336m	0.309m
17)	MA 4,4'-DDT	7.019	6.180	1666922	15577952	0.440	0.768 #

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

Sample Results: **PD089149.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:24
Operator : AR\AJ
Sample : Q2393-09
Misc :
ALS Vial : 28 Sample Multiplier: 1

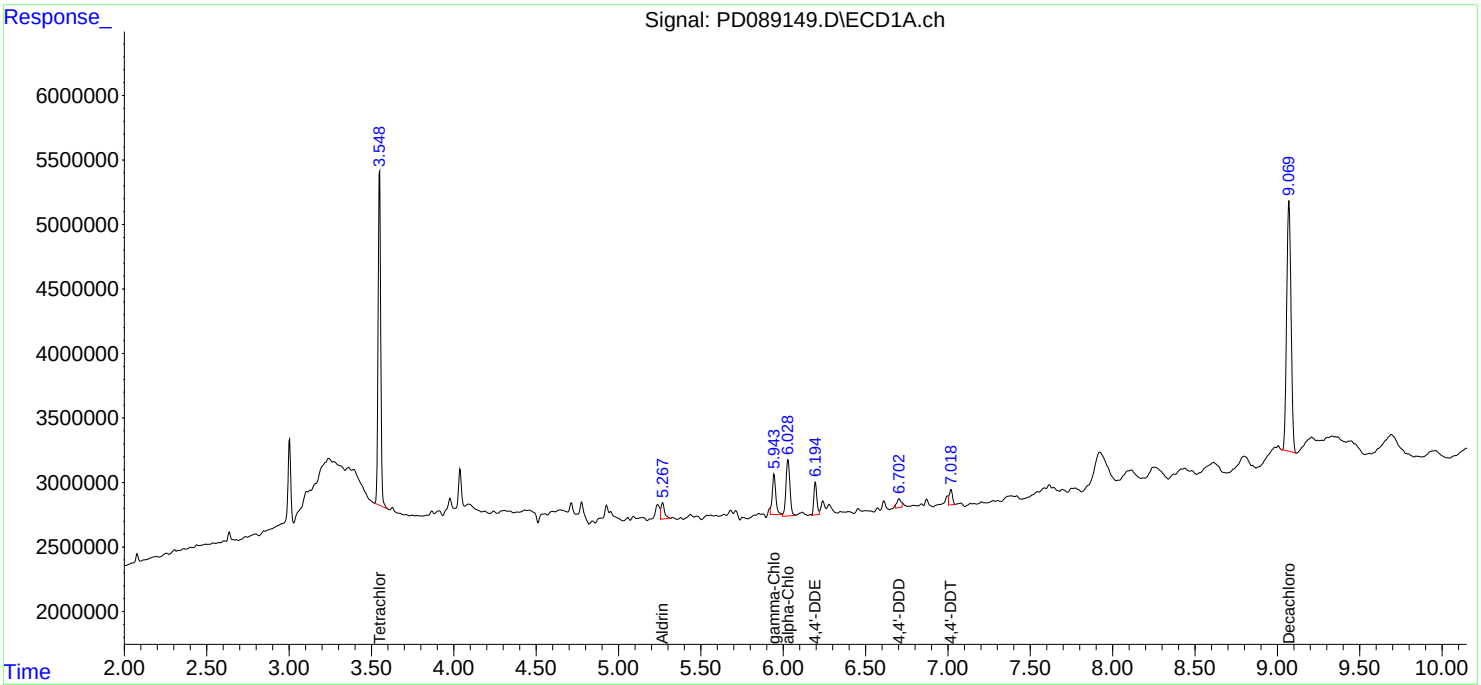
Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

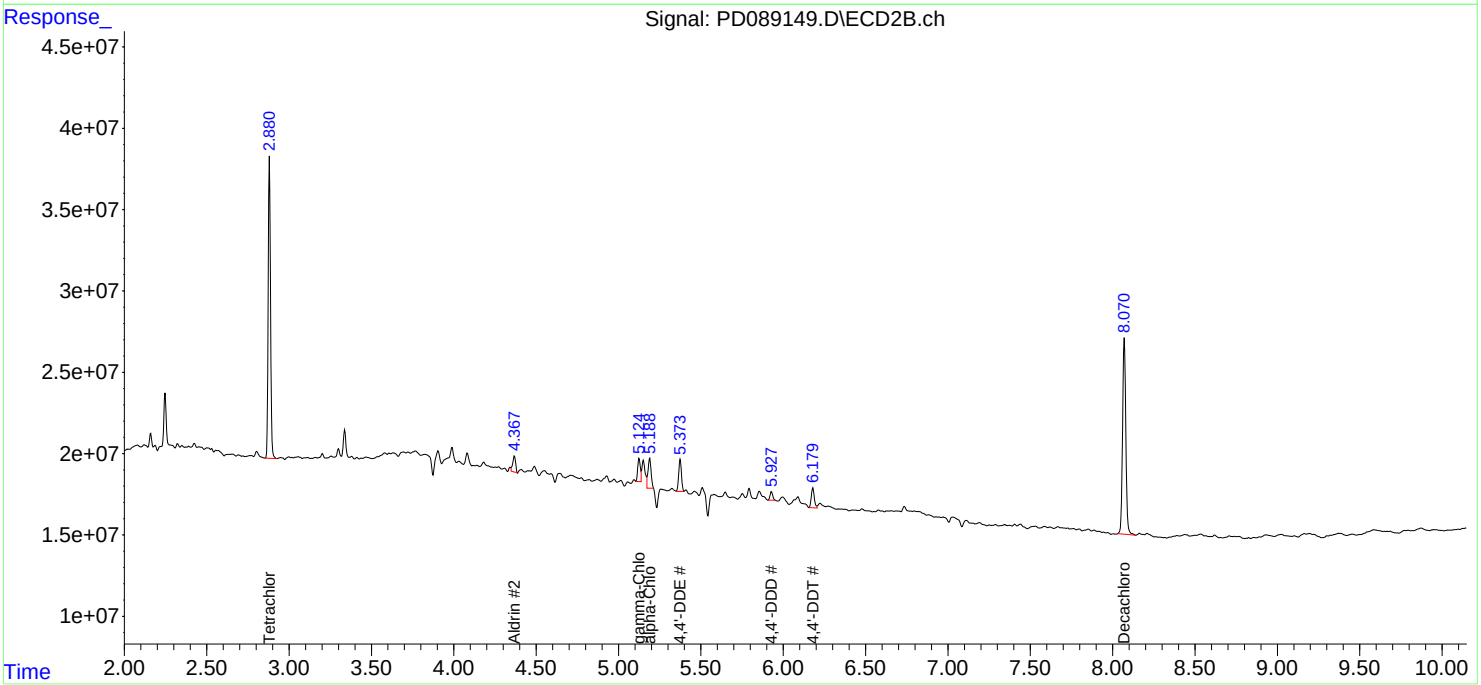
Manual Integrations APPROVED

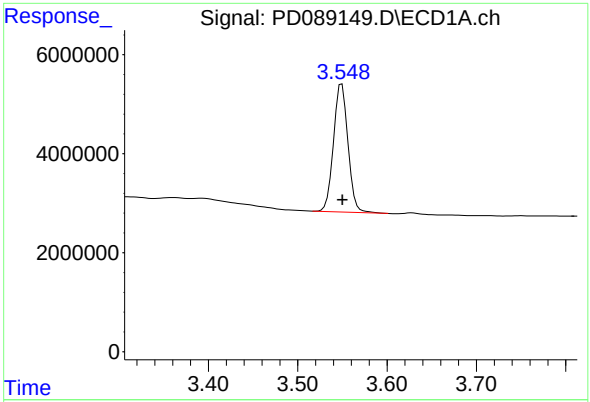
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







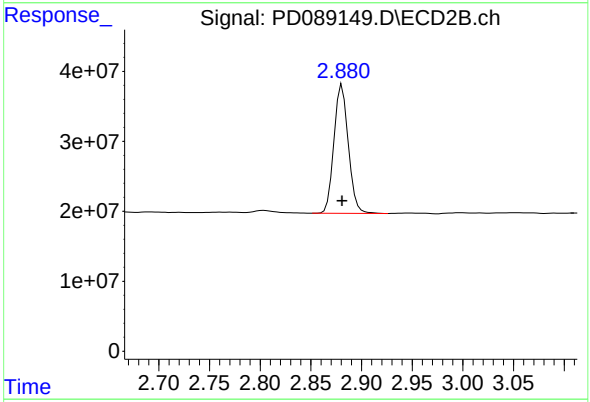
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 29062907
Conc: 10.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

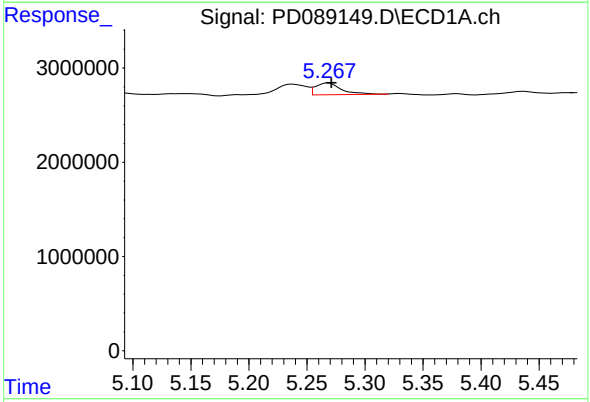
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



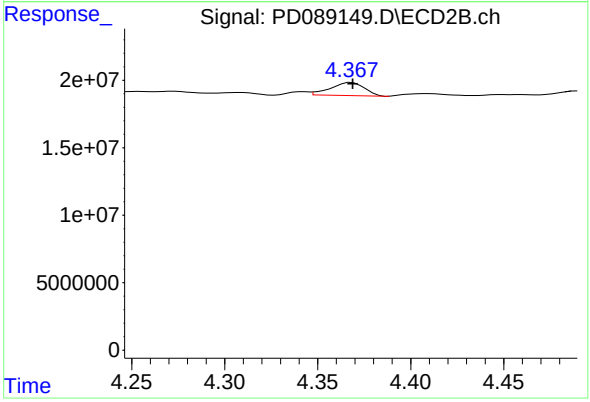
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 181958809
Conc: 10.73 ng/ml



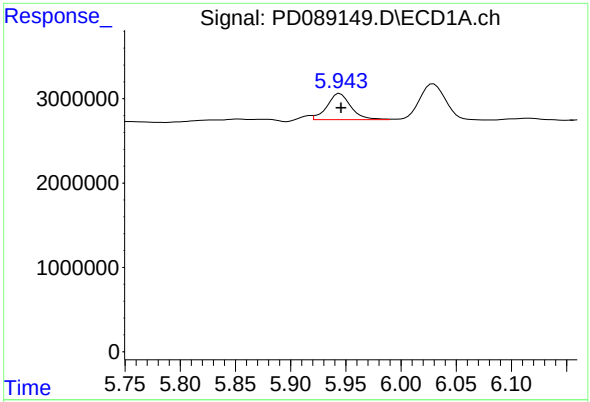
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: -0.002 min
Response: 1918409
Conc: 0.36 ng/ml



#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 12351970
Conc: 0.51 ng/ml



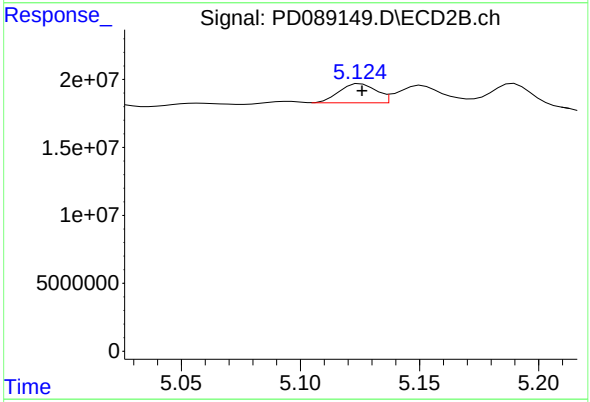
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.002 min
Response: 4601524
Conc: 0.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

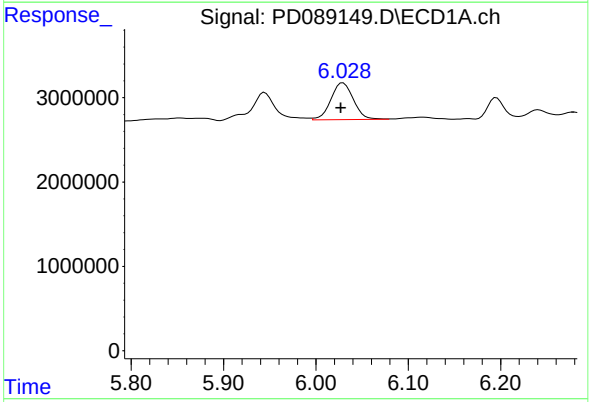
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



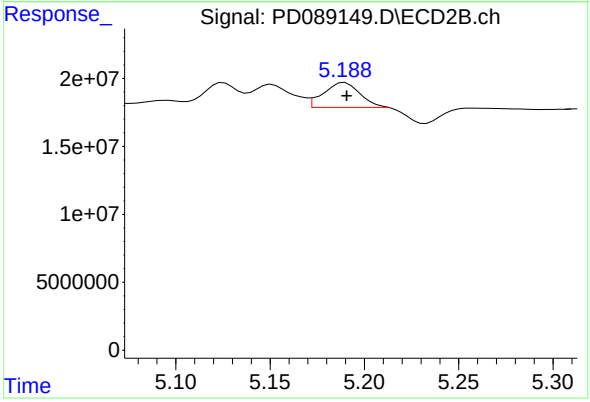
#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 16244417
Conc: 0.68 ng/ml m



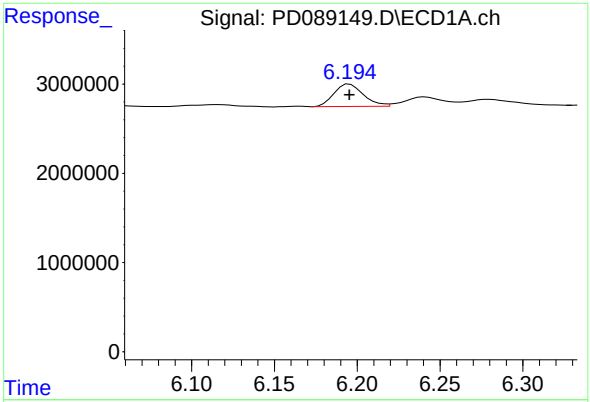
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.002 min
Response: 7409527
Conc: 1.53 ng/ml



#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 23992526
Conc: 1.05 ng/ml m



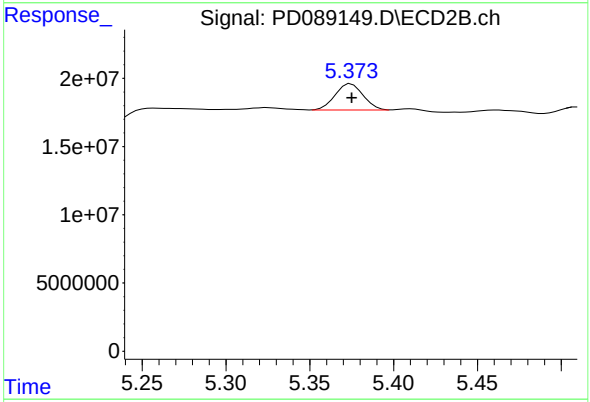
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 3181857
Conc: 0.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

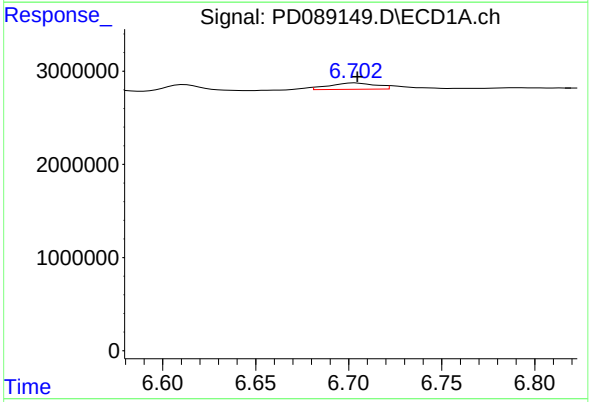
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



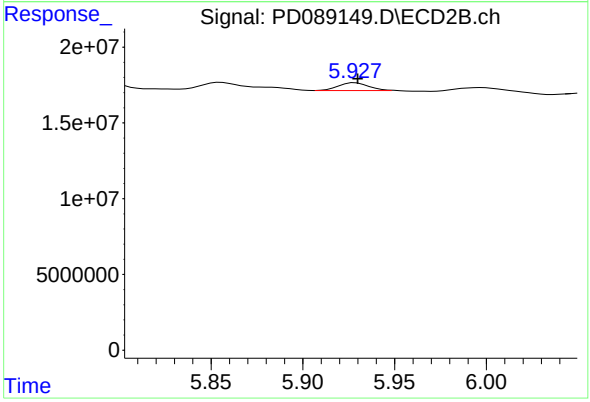
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 22374537
Conc: 0.98 ng/ml m



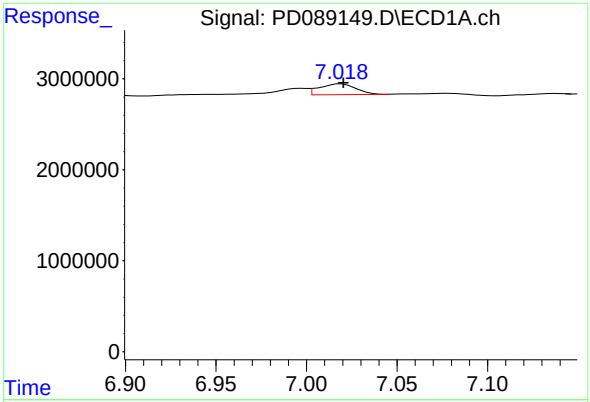
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 1153743
Conc: 0.34 ng/ml m



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 5915960
Conc: 0.31 ng/ml m



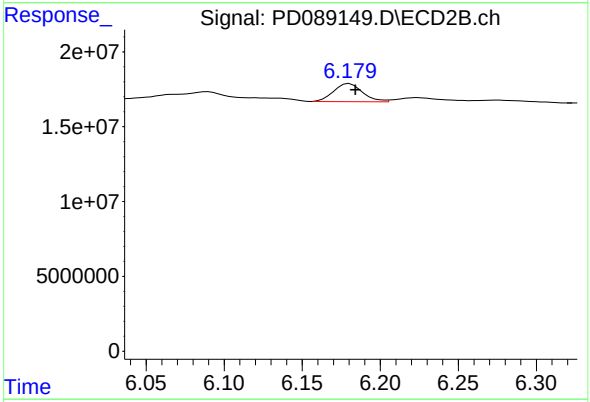
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 1666922
Conc: 0.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -5

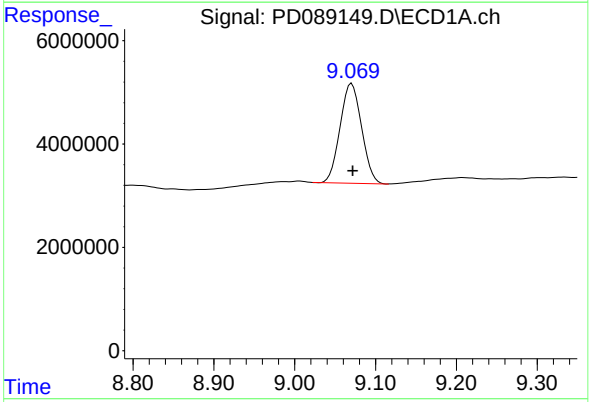
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



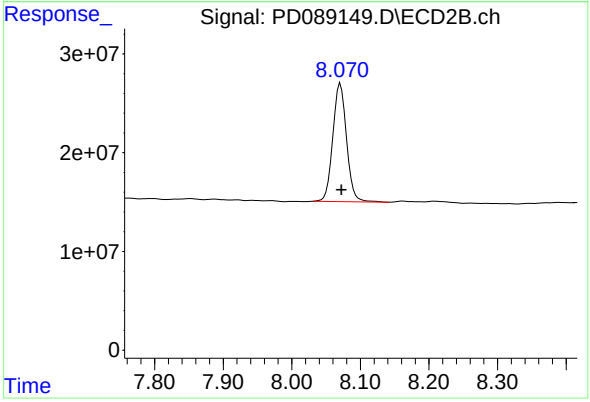
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 15577952
Conc: 0.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 35658731
Conc: 9.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 166881994
Conc: 8.44 ng/ml

Raw Data: **PD089150.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089150.D	1	06/25/25 08:45	06/25/25 20:37	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.29	JP	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.26	J	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.61	J	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.38	JP	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.4		20 - 144	52%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.1		19 - 148	55%	SPK: 20

Raw Data: **PD089150.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089150.D	1	06/25/25 08:45	06/25/25 20:37	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089150.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:37
Operator : AR\AJ
Sample : Q2393-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	29970356	187.6E6	10.504	11.068
28)	SA Decachlor...	9.072	8.072	40778081	168.5E6	10.382	8.523
	Target Compounds						
10)	B gamma-Chl...	5.944	5.124	4751162	15573126	0.992m	0.651m#
11)	B alpha-Chl...	6.030	5.188	7699487	27405449	1.591	1.197m
12)	B 4,4'-DDE	6.196	5.373	2163514	17169392	0.496	0.749m#
17)	MA 4,4'-DDT	7.019	6.178	1078162	13588966	0.285m	0.670m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 20:37
Operator : AR\AJ
Sample : Q2393-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

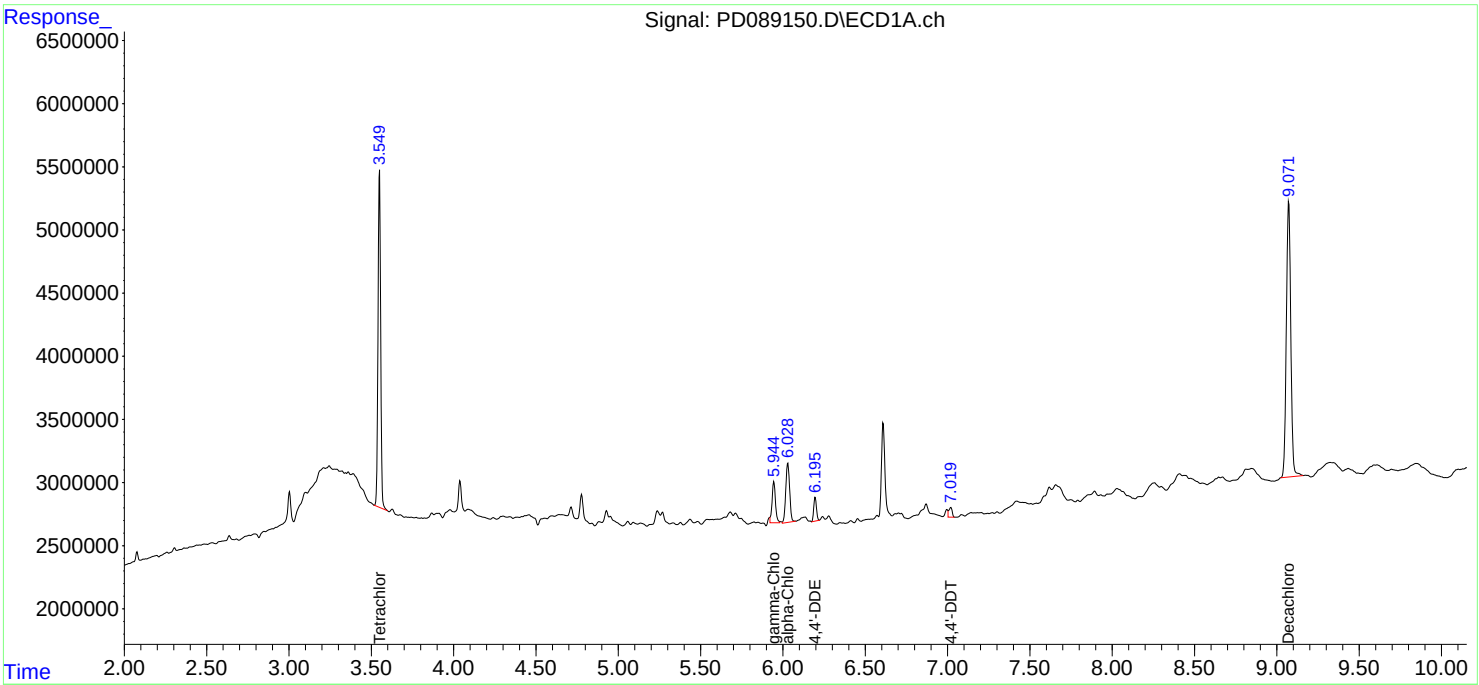
Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

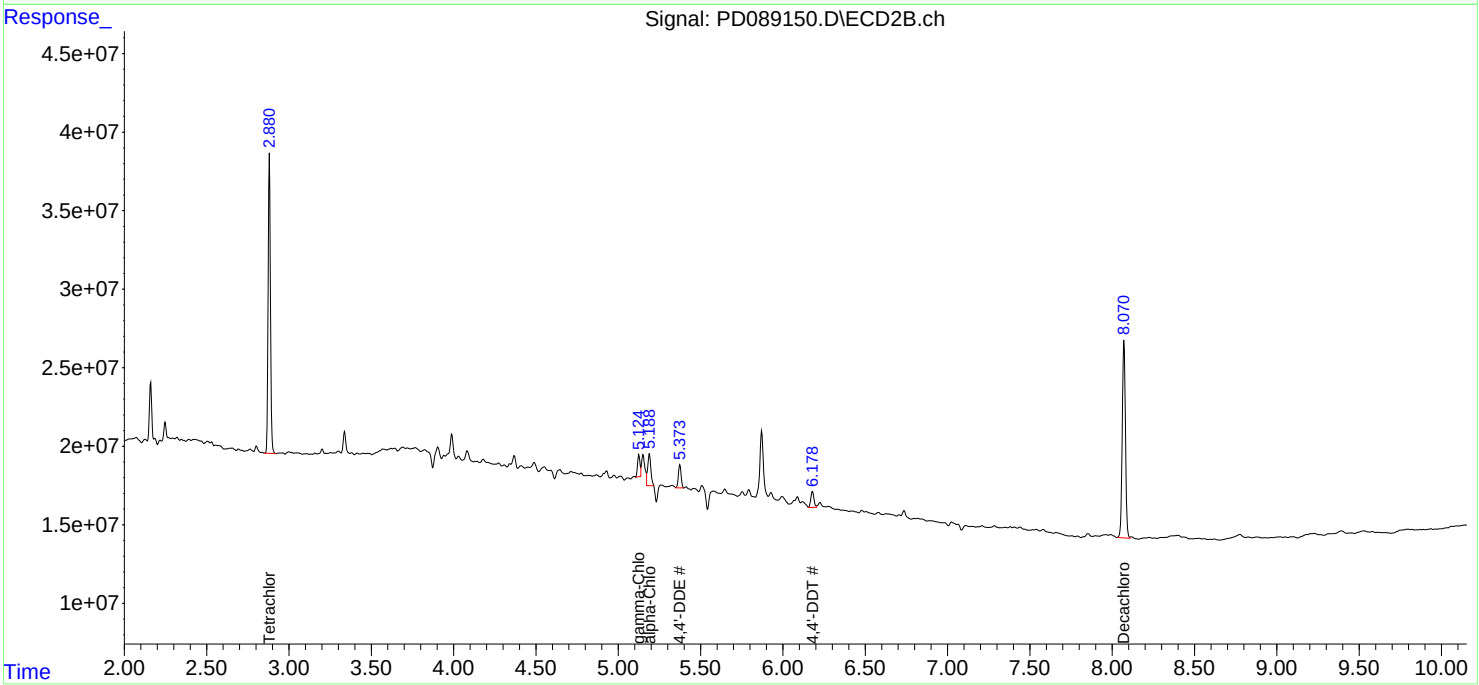
Manual Integrations APPROVED

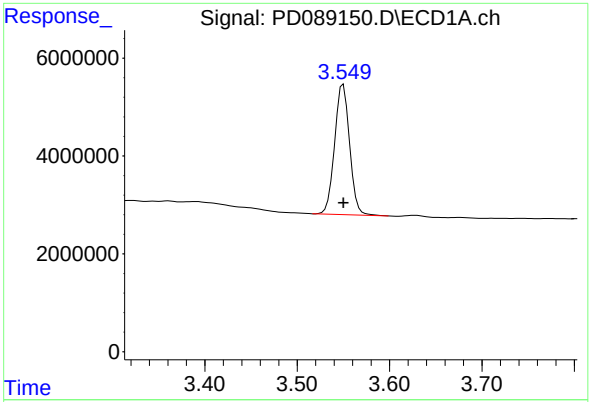
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







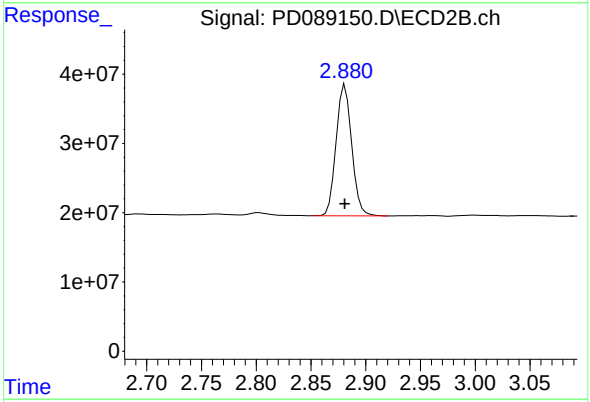
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 29970356
Conc: 10.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

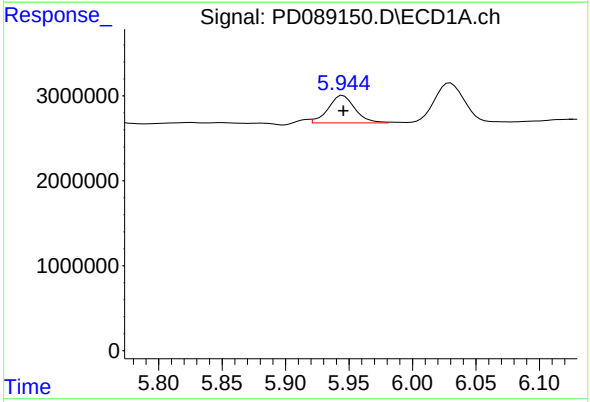
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



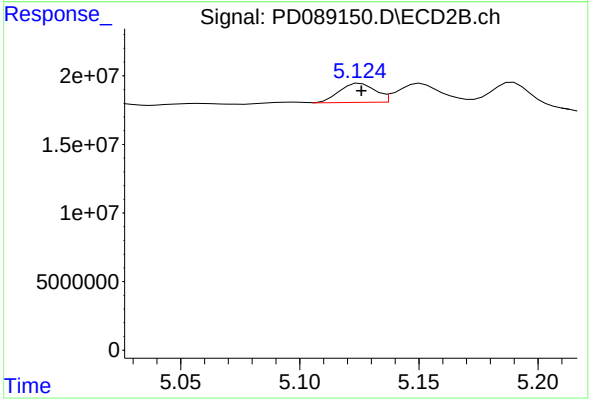
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 187644495
Conc: 11.07 ng/ml



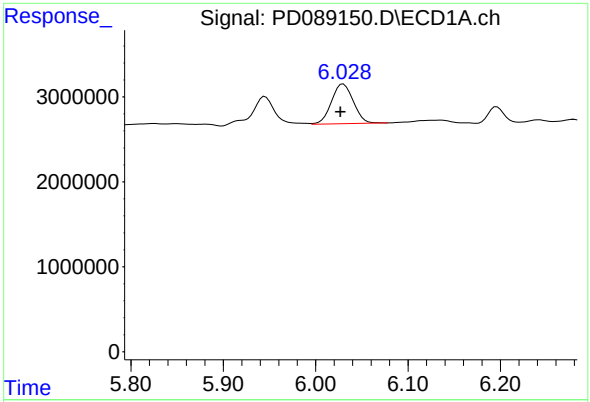
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.002 min
Response: 4751162
Conc: 0.99 ng/ml m



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 15573126
Conc: 0.65 ng/ml m



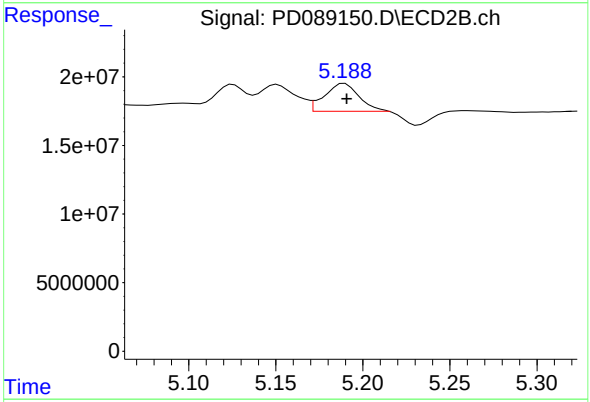
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.003 min
Response: 7699487
Conc: 1.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

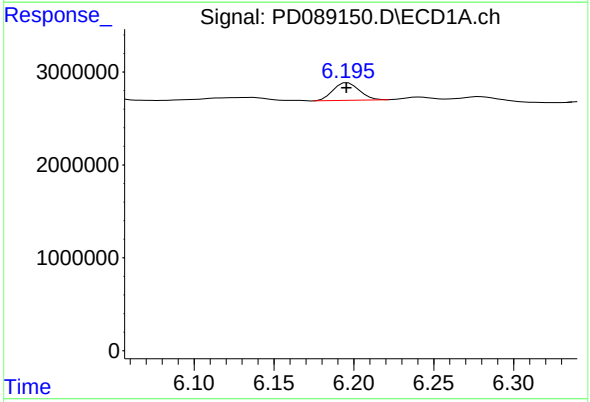
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



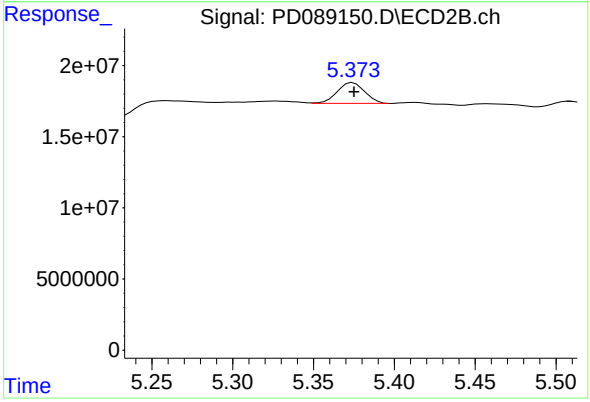
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 27405449
Conc: 1.20 ng/ml m



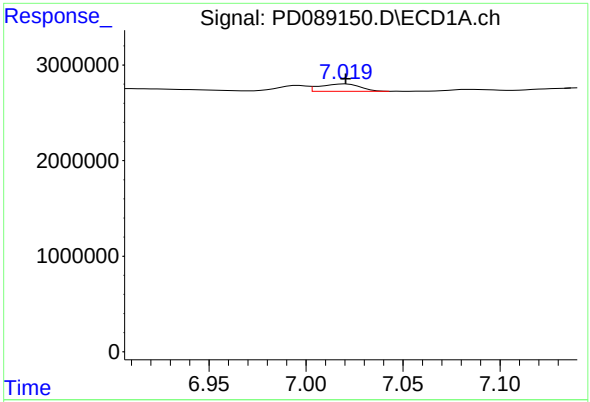
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 2163514
Conc: 0.50 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 17169392
Conc: 0.75 ng/ml m



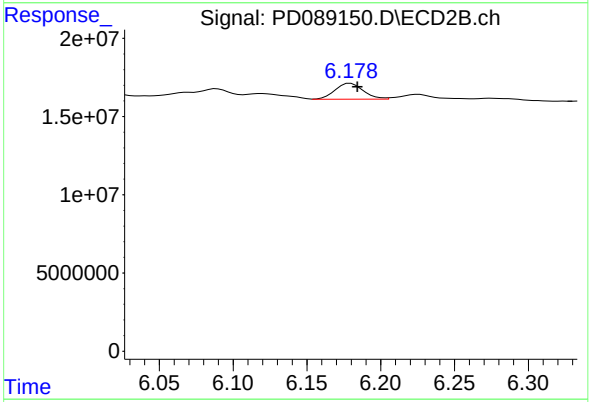
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 1078162
Conc: 0.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PARK AVE -6

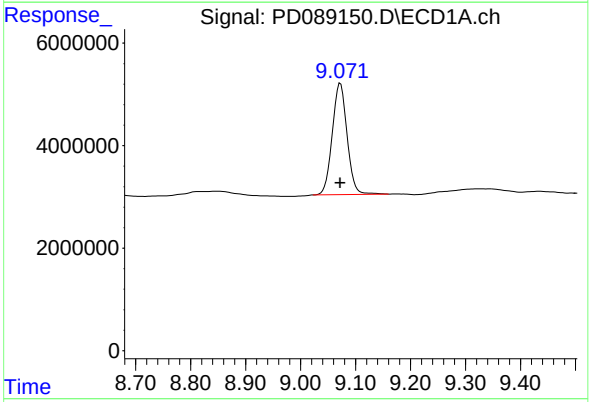
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025



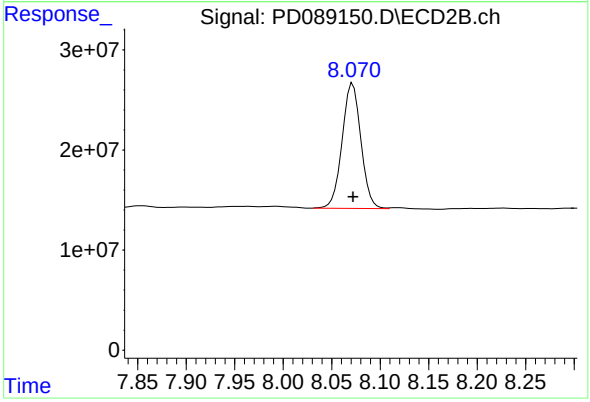
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.006 min
Response: 13588966
Conc: 0.67 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 40778081
Conc: 10.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 168492445
Conc: 8.52 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Calibration Times: 15:52 16:47

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

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D

RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.70	6.71	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.20	6.20	6.20	6.20	6.19	6.20	6.10	6.30
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.58	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.91	6.92	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Calibration Times: 15:52 16:47

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

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D

RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.03	4.03	4.03	4.03	4.03	4.03	3.93	4.13
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.76	6.75	6.76	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Calibration Times: 15:52 16:47

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

LAB FILE ID: **CF 100 =** PD088993.D **CF 075 =** PD088994.D

CF 050 = PD088995.D **CF 025 =** PD088996.D **CF 005 =** PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3557450000	3439230000	3414120000	3228670000	3520780000	3432050000	4
4,4'-DDE	4564130000	4401240000	4312380000	4092310000	4435110000	4361030000	4
4,4'-DDT	3928430000	3802000000	3763430000	3580670000	3866490000	3788210000	3
Aldrin	5504150000	5312640000	5254800000	4989300000	5504000000	5312980000	4
alpha-BHC	6295370000	6031790000	5874750000	5417910000	5525530000	5829070000	6
alpha-Chlordane	4885060000	4758900000	4734630000	4584390000	5229700000	4838540000	5
beta-BHC	2136750000	2100860000	2137680000	2144670000	2515730000	2207140000	8
Decachlorobiphenyl	3598890000	3628150000	3773200000	3897960000	4739940000	3927630000	12
delta-BHC	5546280000	5292010000	5182350000	4751190000	4892690000	5132900000	6
Dieldrin	4933650000	4797080000	4750270000	4527510000	4978810000	4797470000	4
Endosulfan I	4511200000	4405770000	4412600000	4289200000	4918470000	4507450000	5
Endosulfan II	3829260000	3982180000	4002080000	3816490000	4553000000	4036600000	7
Endosulfan sulfate	3786900000	3718160000	3741600000	3667440000	4271990000	3837220000	6
Endrin	4238140000	4109540000	4096430000	3878120000	4305700000	4125590000	4
Endrin aldehyde	2964260000	2935670000	2964230000	2966830000	3488720000	3063940000	8
Endrin ketone	4050100000	3970810000	4004900000	3895960000	4443590000	4073070000	5
gamma-BHC (Lindane)	5900830000	5686510000	5566590000	5221690000	5532800000	5581680000	4
gamma-Chlordane	4869330000	4801300000	4716110000	4508810000	5045020000	4788110000	4
Heptachlor	5621840000	5429540000	5358570000	5116310000	5733550000	5451960000	4
Heptachlor epoxide	4794850000	4673610000	4749650000	4554690000	5346870000	4823940000	6
Methoxychlor	1926110000	1918890000	1971480000	1982080000	2304580000	2020630000	8
Tetrachloro-m-xylene	2812300000	2762040000	2767280000	2751820000	3172230000	2853130000	6

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Instrument ID: ECD_D

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

Calibration Times: 15:52 16:47

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

LAB FILE ID: **CF 100 =** PD088993.D **CF 075 =** PD088994.D

CF 050 = PD088995.D **CF 025 =** PD088996.D **CF 005 =** PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17754100000	17899700000	18191100000	18805800000	22996200000	19129400000	11
4,4'-DDE	21343500000	21440200000	21823600000	22564100000	27409000000	22916100000	11
4,4'-DDT	19391000000	19327800000	19594100000	20005200000	23078500000	20279300000	8
Aldrin	22719200000	22747700000	23159400000	23852800000	28607200000	24217300000	10
alpha-BHC	25649000000	25438700000	25849200000	26153100000	30895500000	26797100000	9
alpha-Chlordane	21191300000	21145300000	21570900000	22517200000	28059300000	22896800000	13
beta-BHC	9903630000	9918550000	10198200000	10624100000	13086800000	10746200000	12
Decachlorobiphenyl	17946500000	17939700000	18428600000	19427500000	25107500000	19770000000	15
delta-BHC	23614400000	23533700000	23918700000	24298300000	29003000000	24873600000	9
Dieldrin	21438700000	21622000000	22120600000	22941800000	27919200000	23208500000	12
Endosulfan I	19170300000	19201000000	19315500000	20752900000	25772600000	20842500000	14
Endosulfan II	18473200000	18573800000	19087100000	20002300000	24846800000	20196600000	13
Endosulfan sulfate	17925600000	18043500000	18492500000	19409200000	24234500000	19621100000	13
Endrin	20535400000	19906600000	20644700000	21276500000	26206500000	21713900000	12
Endrin aldehyde	13773600000	13920200000	14379400000	15195500000	19287900000	15311300000	15
Endrin ketone	19587400000	19824900000	20446500000	21535300000	26614600000	21601700000	13
gamma-BHC (Lindane)	23622800000	23442000000	23749900000	24221500000	28748400000	24756900000	9
gamma-Chlordane	22229100000	22022500000	22519500000	23493700000	29348800000	23922700000	13
Heptachlor	23291600000	23365200000	23922200000	24716000000	29896800000	25038400000	11
Heptachlor epoxide	20080600000	20251900000	20827300000	21695300000	26635200000	21898100000	12
Methoxychlor	9712450000	9897880000	10259100000	10830900000	13140100000	10768100000	13
Tetrachloro-m-xylene	15879800000	15866400000	15978000000	16730900000	20310700000	16953200000	11

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	33601800
		2	6.44	6.34	6.54	47528600
		3	7.15	7.05	7.25	87292700
		4	7.56	7.46	7.66	111357000
		5	7.93	7.83	8.03	63112600

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	158160000
		2	5.65	5.55	5.75	108820000
		3	6.76	6.66	6.86	511856000
		4	7.20	7.10	7.30	350145000
		5	7.33	7.23	7.43	253920000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:22:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

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

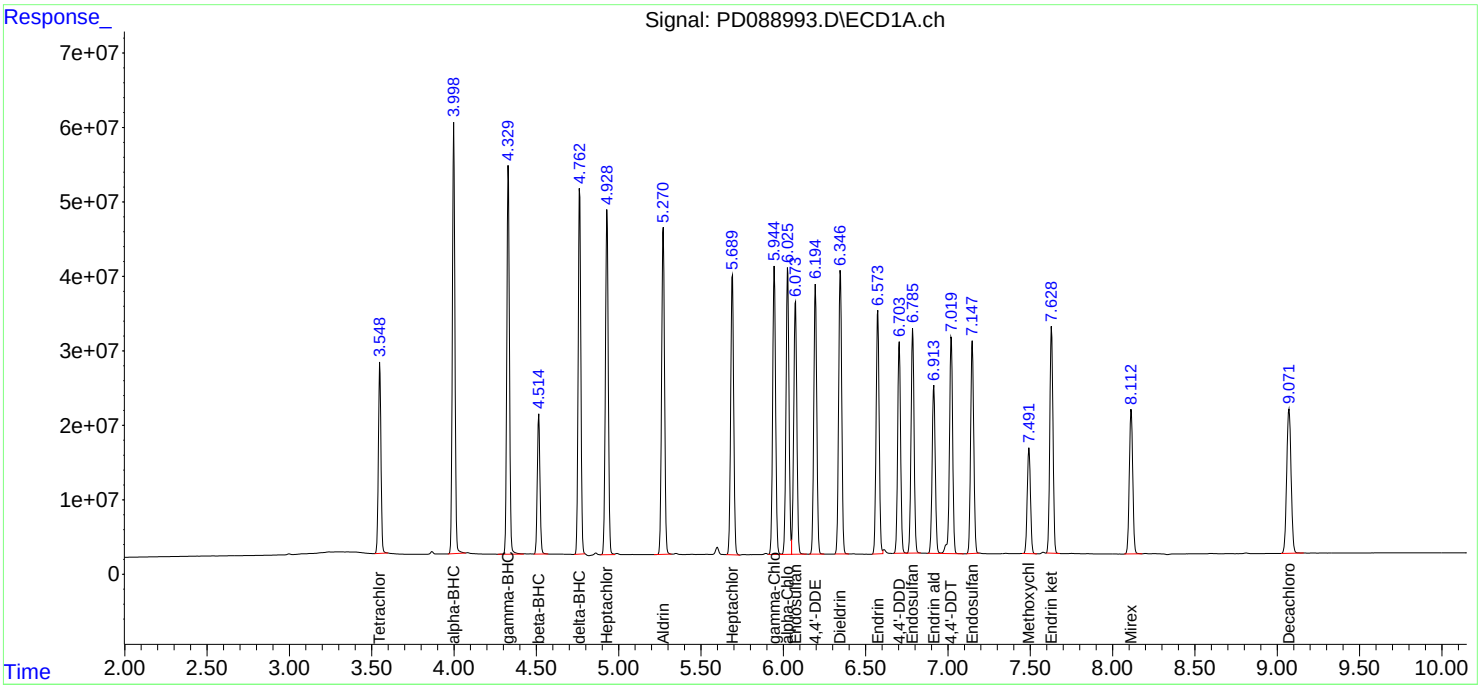
ICAL Form

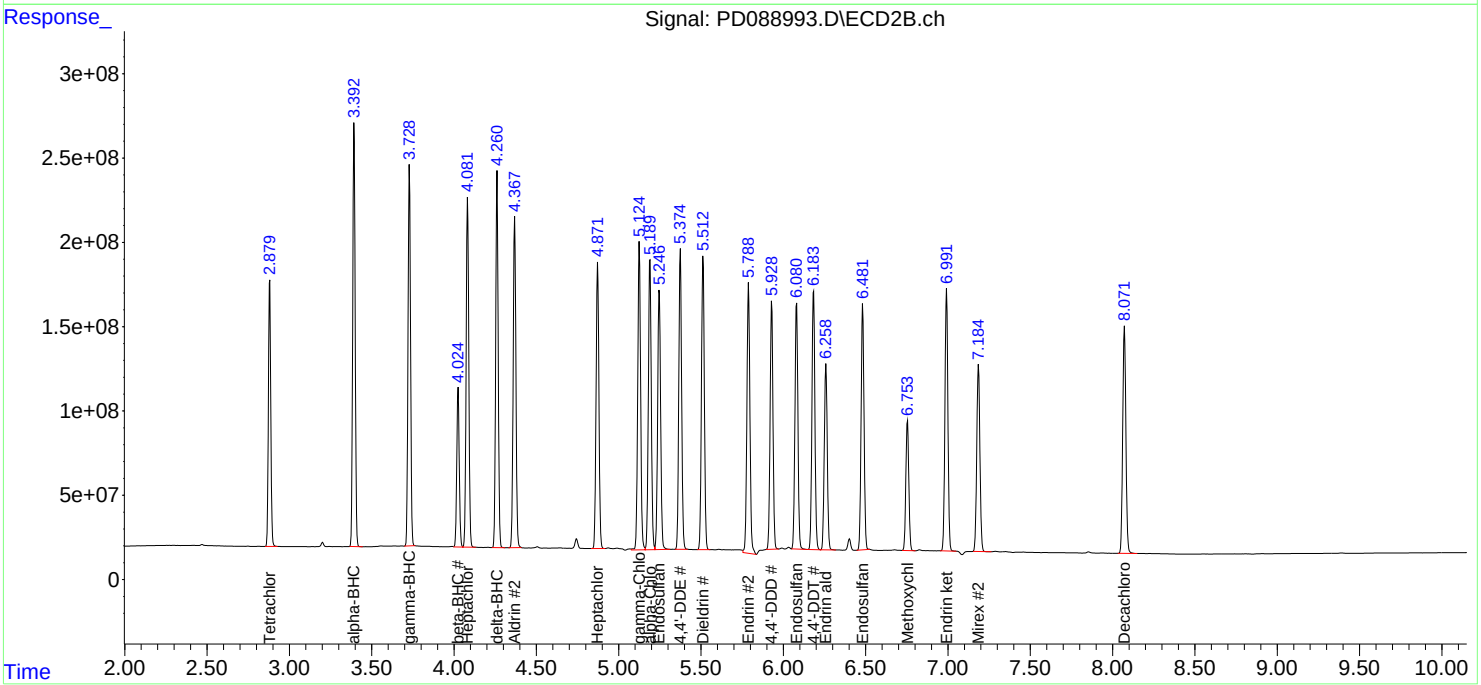
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:22:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.880	207.2E6	1190.0E6	74.858	74.476
28)	SA Decachlor...	9.072	8.072	272.1E6	1345.5E6	72.117	73.010
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	452.4E6	1907.9E6	77.005	73.809
3)	MA gamma-BHC...	4.330	3.729	426.5E6	1758.1E6	76.616	74.028
4)	MA Heptachlor	4.929	4.082	407.2E6	1752.4E6	75.993	73.254
5)	MB Aldrin	5.271	4.369	398.4E6	1706.1E6	75.826	73.667
6)	B beta-BHC	4.515	4.025	157.6E6	743.9E6	73.708	72.943
7)	B delta-BHC	4.764	4.262	396.9E6	1765.0E6	76.587	73.793
8)	B Heptachlo...	5.690	4.872	350.5E6	1518.9E6	73.799	72.928
9)	A Endosulfan I	6.074	5.247	330.4E6	1440.1E6	74.884	74.556
10)	B gamma-Chl...	5.945	5.125	360.1E6	1651.7E6	76.355	73.345
11)	B alpha-Chl...	6.026	5.190	356.9E6	1585.9E6	75.384	73.520
12)	B 4,4'-DDE	6.195	5.375	330.1E6	1608.0E6	76.545	73.682
13)	MA Dieldrin	6.346	5.513	359.8E6	1621.7E6	75.739	73.309
14)	MA Endrin	6.574	5.789	308.2E6	1493.0E6	75.240	72.319
15)	B Endosulfa...	6.785	6.080	298.7E6	1393.0E6	74.627	72.983
16)	A 4,4'-DDD	6.704	5.929	257.9E6	1342.5E6	75.552	73.799
17)	MA 4,4'-DDT	7.020	6.183	285.1E6	1449.6E6	75.769	73.981
18)	B Endrin al...	6.914	6.259	220.2E6	1044.0E6	74.277	72.605
19)	B Endosulfa...	7.149	6.482	278.9E6	1353.3E6	74.530	73.179
20)	A Methoxychlor	7.493	6.754	143.9E6	742.3E6	73.000	72.360
21)	B Endrin ke...	7.629	6.991	297.8E6	1486.9E6	74.361	72.720
22)	Mirex	8.113	7.185	210.7E6	1130.6E6	72.582	72.559

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

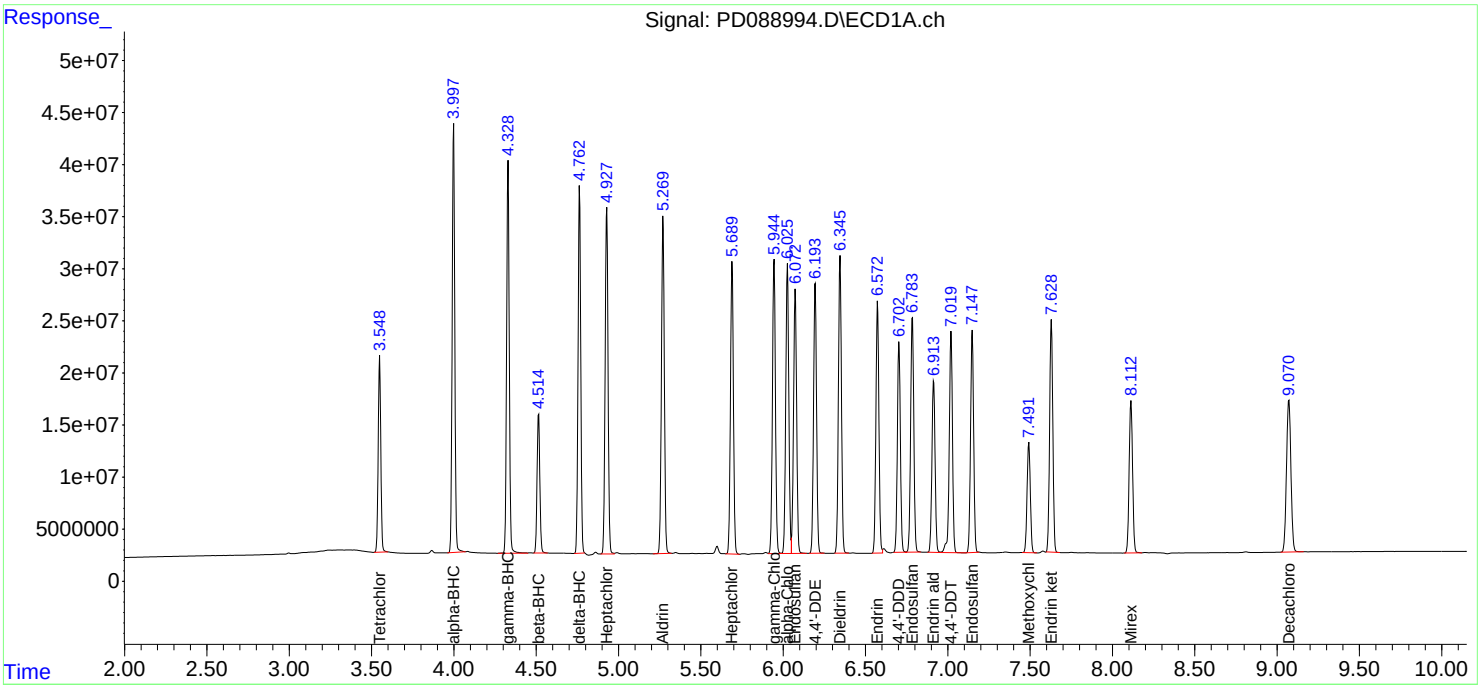
ICAL Form

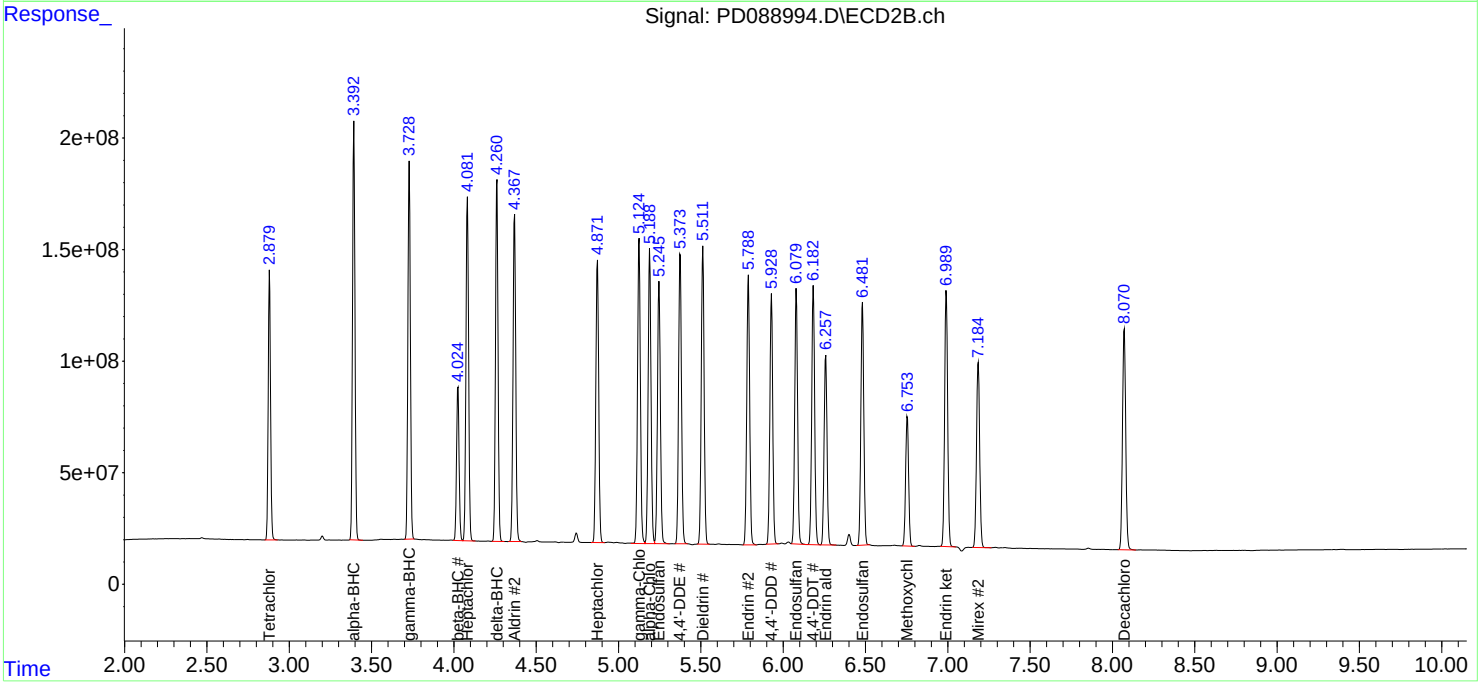
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

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

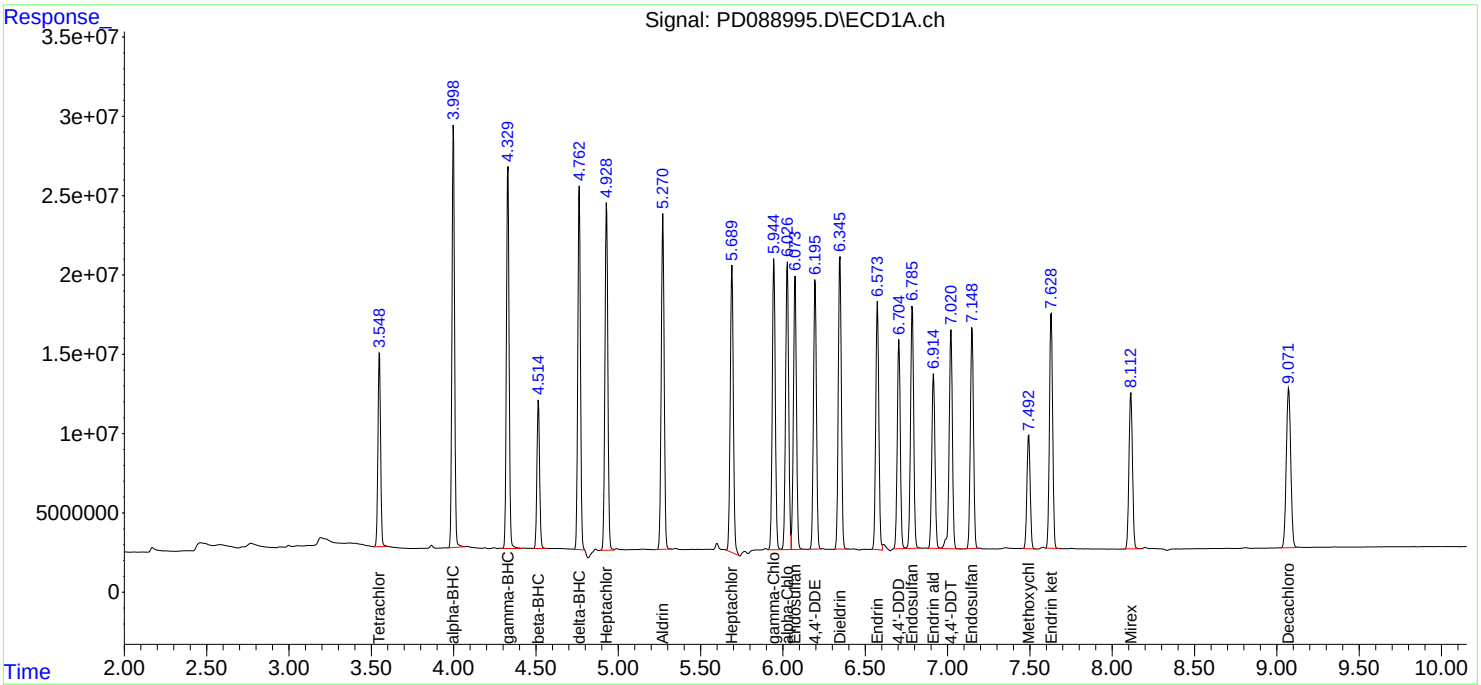
ICAL Form

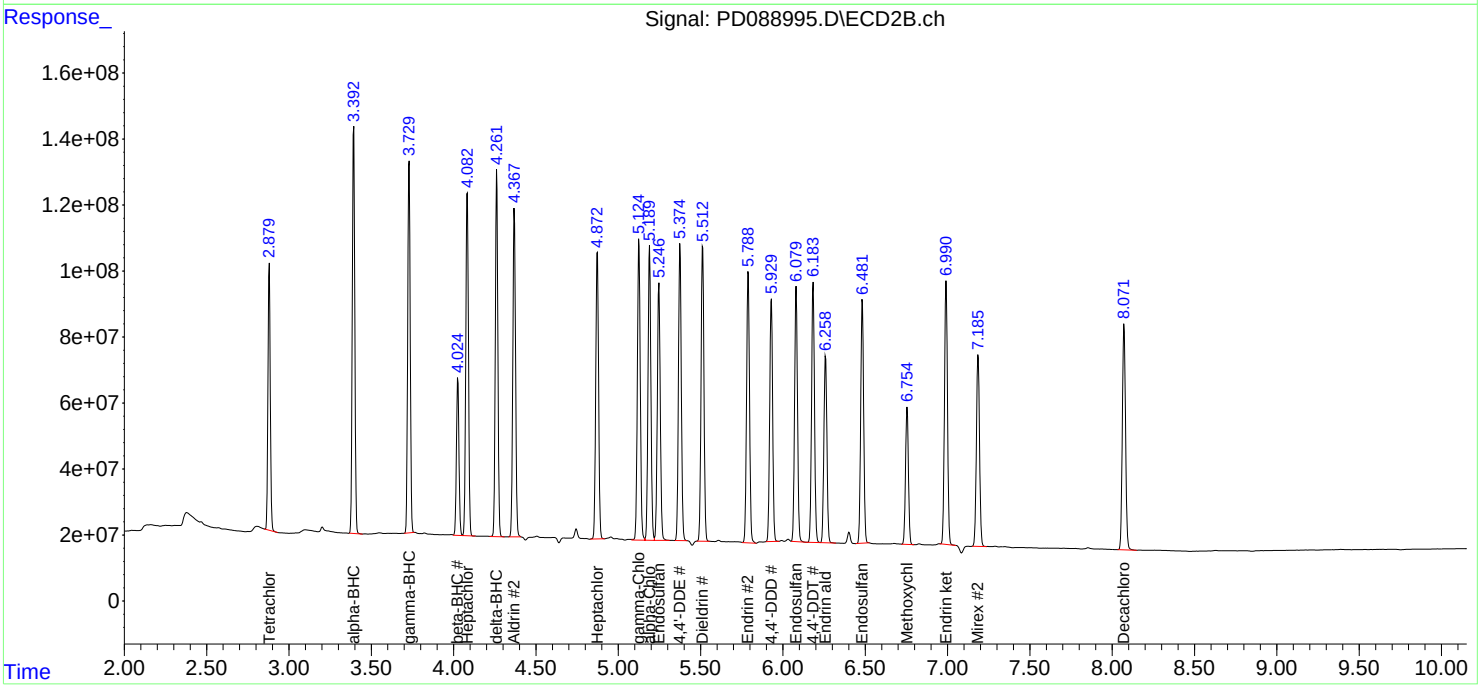
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:21:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

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

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.881	68795424	418.3E6	24.860	26.178
28)	SA Decachlor...	9.072	8.072	97448897	485.7E6	25.827	26.355
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	135.4E6	653.8E6	23.056	25.294
3)	MA gamma-BHC...	4.330	3.729	130.5E6	605.5E6	23.451	25.496
4)	MA Heptachlor	4.929	4.083	127.9E6	617.9E6	23.870	25.830
5)	MB Aldrin	5.271	4.368	124.7E6	596.3E6	23.737	25.748
6)	B beta-BHC	4.515	4.025	53616740	265.6E6	25.082	26.044
7)	B delta-BHC	4.763	4.261	118.8E6	607.5E6	22.920	25.397
8)	B Heptachlo...	5.690	4.872	113.9E6	542.4E6	23.974	26.042
9)	A Endosulfan I	6.074	5.247	107.2E6	518.8E6	24.301	26.860
10)	B gamma-Chl...	5.945	5.125	112.7E6	587.3E6	23.901	26.082
11)	B alpha-Chl...	6.026	5.190	114.6E6	562.9E6	24.207	26.097
12)	B 4,4'-DDE	6.195	5.375	102.3E6	564.1E6	23.724	25.848
13)	MA Dieldrin	6.346	5.513	113.2E6	573.5E6	23.828	25.928
14)	MA Endrin	6.574	5.787	96953033	531.9E6	23.668	25.765m
15)	B Endosulfa...	6.786	6.080	95412213	500.1E6	23.841	26.199
16)	A 4,4'-DDD	6.704	5.929	80716755	470.1E6	23.642	25.845
17)	MA 4,4'-DDT	7.020	6.183	89516720	500.1E6	23.786	25.525
18)	B Endrin al...	6.914	6.258	74170726	379.9E6	25.022	26.419
19)	B Endosulfa...	7.148	6.481	91685883	485.2E6	24.504	26.239
20)	A Methoxychlor	7.492	6.753	49551931	270.8E6	25.134	26.394
21)	B Endrin ke...	7.629	6.990	97399015	538.4E6	24.320	26.331
22)	Mirex	8.113	7.184	74764205	414.2E6	25.753	26.583

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

ICAL Form

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

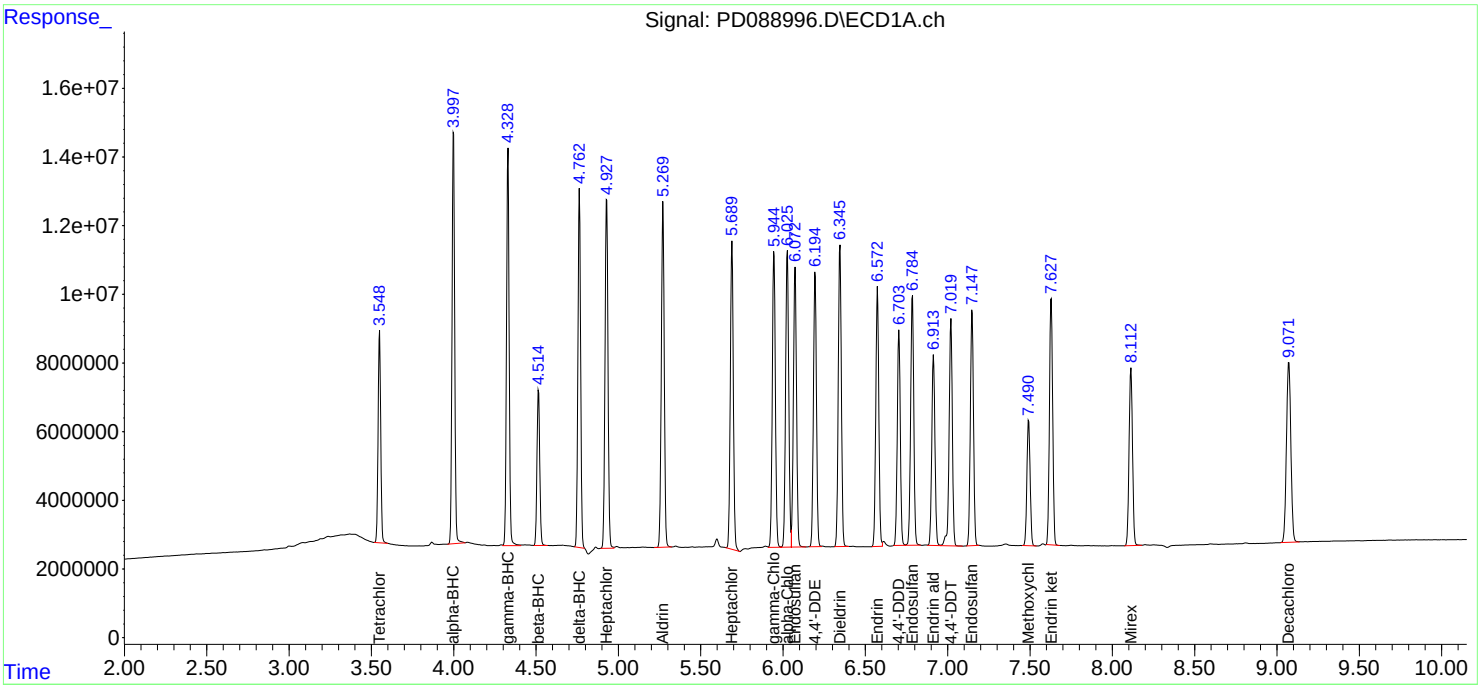
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

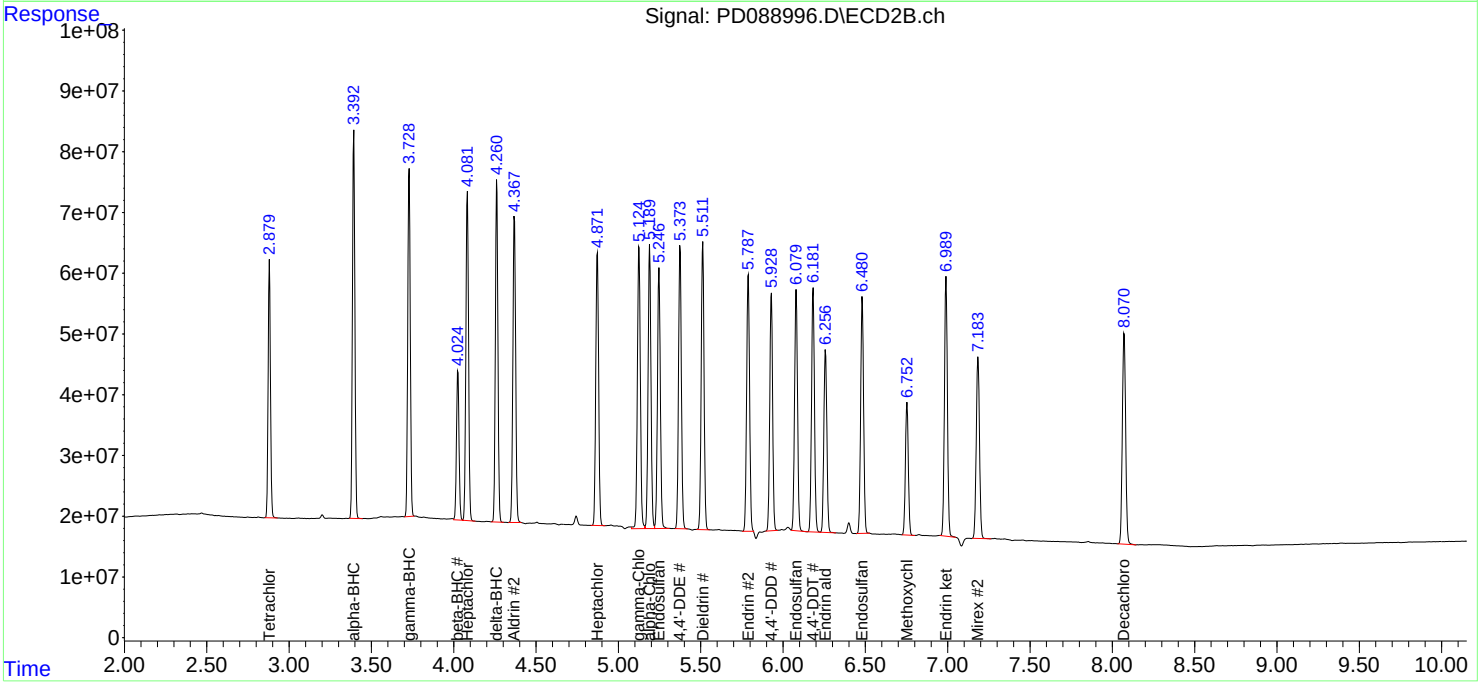
Manual Integrations APPROVED

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

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

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

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

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.549	2.880	15861136	101.6E6	5.732	6.356
28) SA	Decachlor...	9.073	8.072	23699682	125.5E6	6.281	6.812
	Target Compounds						
2) A	alpha-BHC	3.999	3.393	27627643	154.5E6	4.703	5.976 #
3) MA	gamma-BHC...	4.330	3.729	27664017	143.7E6	4.970	6.052
4) MA	Heptachlor	4.929	4.083	28667725	149.5E6	5.350	6.249
5) MB	Aldrin	5.270	4.368	27520008	143.0E6	5.237	6.176
6) B	beta-BHC	4.515	4.025	12578663	65433774	5.884	6.416
7) B	delta-BHC	4.763	4.262	24463430	145.0E6	4.721	6.063 #
8) B	Heptachlo...	5.690	4.873	26734361	133.2E6	5.629	6.394
9) A	Endosulfan I	6.074	5.247	24592339	128.9E6	5.573	6.671
10) B	gamma-Chl...	5.946	5.126	25225085	146.7E6	5.349	6.516
11) B	alpha-Chl...	6.026	5.190	26148512	140.3E6	5.523	6.504
12) B	4,4'-DDE	6.194	5.375	22175565	137.0E6	5.142	6.280
13) MA	Dieldrin	6.346	5.512	24894050	139.6E6	5.241	6.311
14) MA	Endrin	6.573	5.787	21528490	131.0E6	5.255	6.347m
15) B	Endosulfa...	6.785	6.080	22765018	124.2E6	5.688	6.509
16) A	4,4'-DDD	6.704	5.929	17603896	115.0E6	5.156	6.321
17) MA	4,4'-DDT	7.020	6.183	19332472	115.4E6	5.137	5.889
18) B	Endrin al...	6.914	6.259	17443585	96439397	5.885	6.707
19) B	Endosulfa...	7.149	6.482	21359951	121.2E6	5.709	6.553
20) A	Methoxychlor	7.493	6.754	11522878	65700483	5.845	6.404
21) B	Endrin ke...	7.630	6.990	22217957	133.1E6	5.548	6.508m
22)	Mirex	8.113	7.185	18484356	106.1E6	6.367	6.807

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

ICAL Form

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

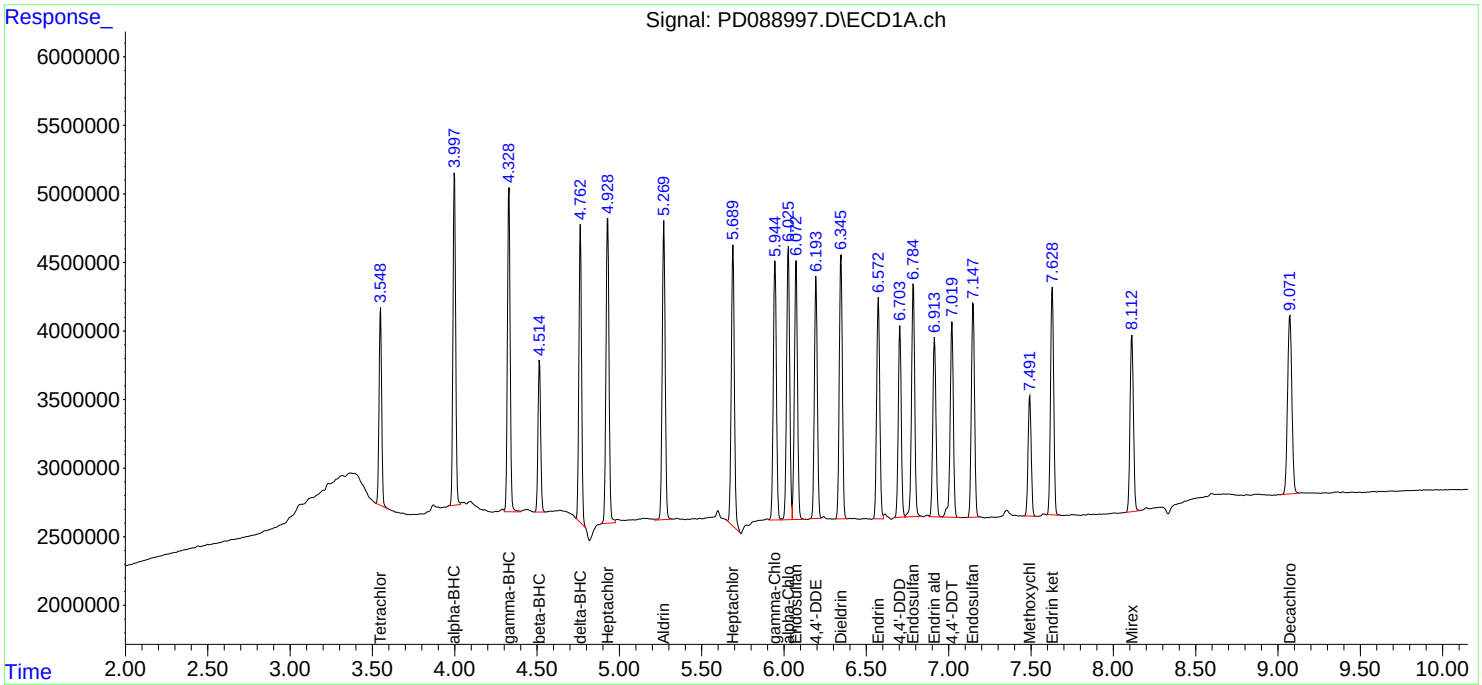
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

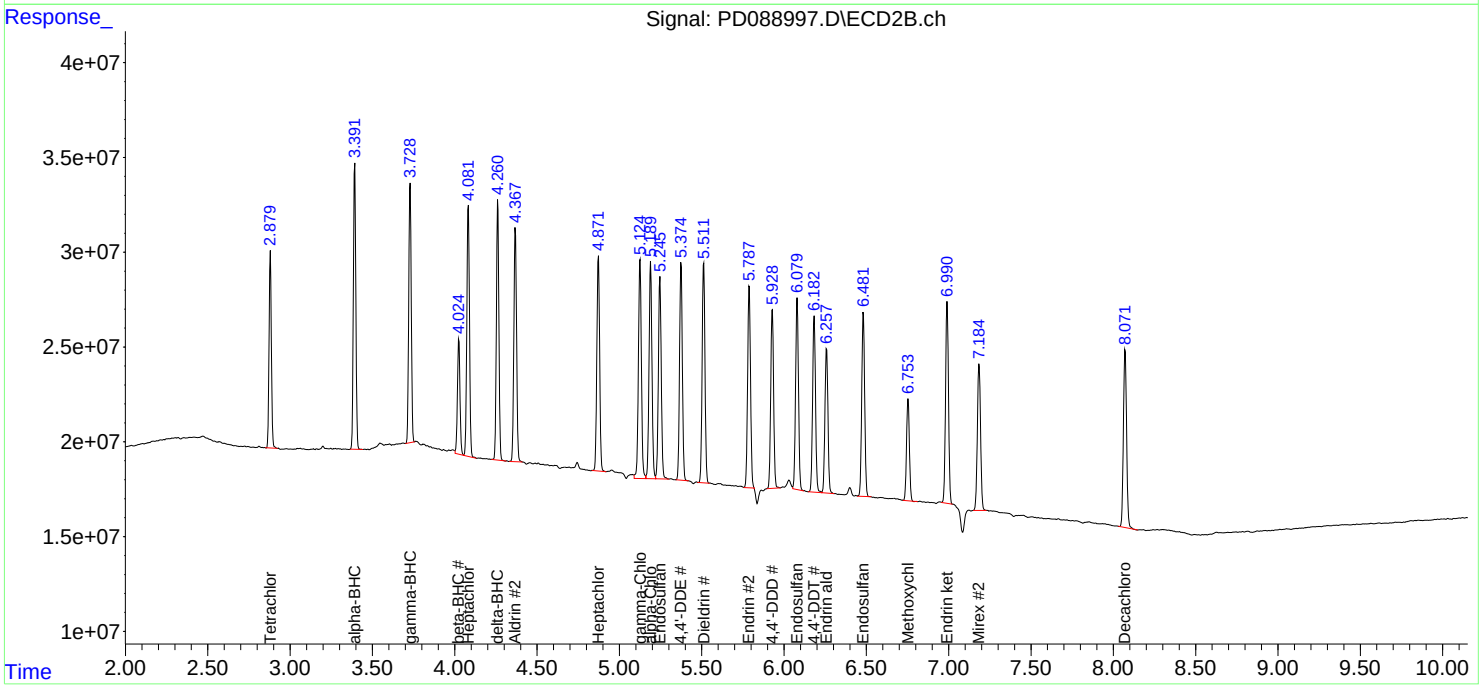
Manual Integrations APPROVED

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

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

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





ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:57:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

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

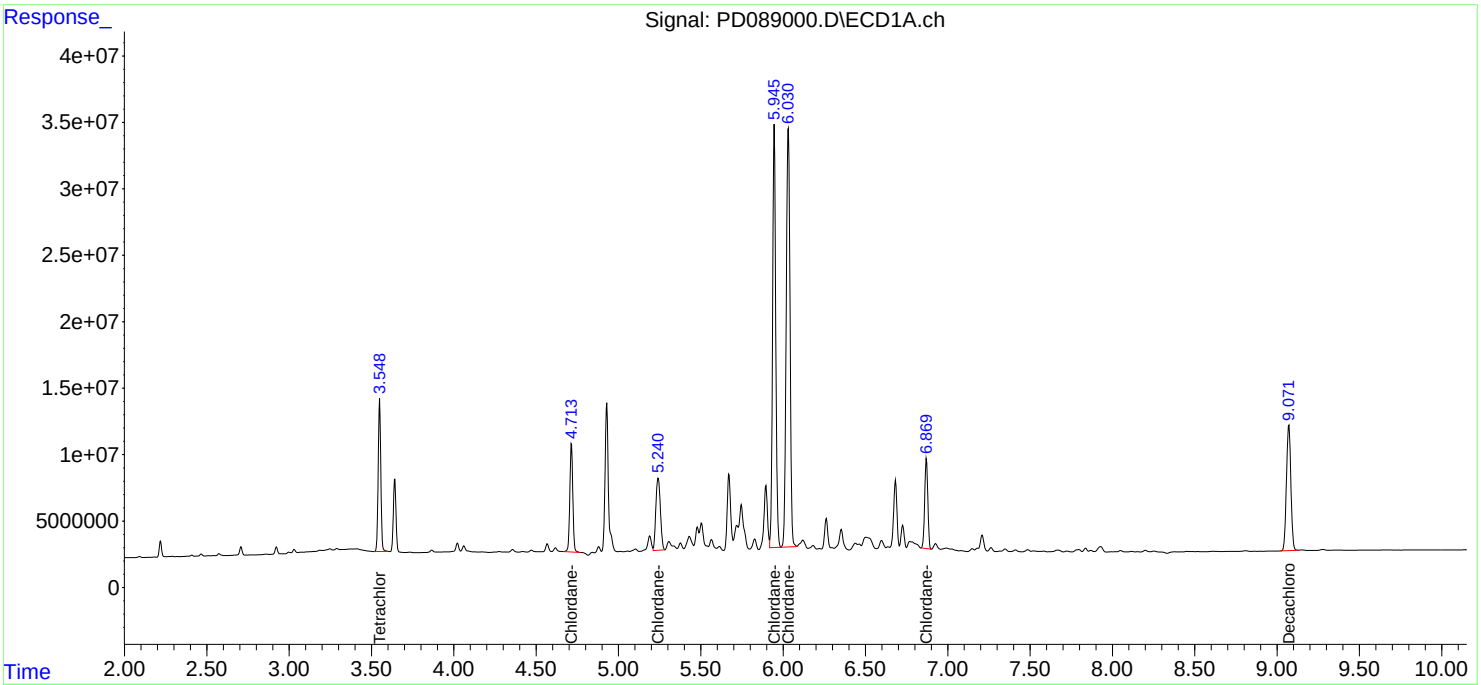
ICAL Form

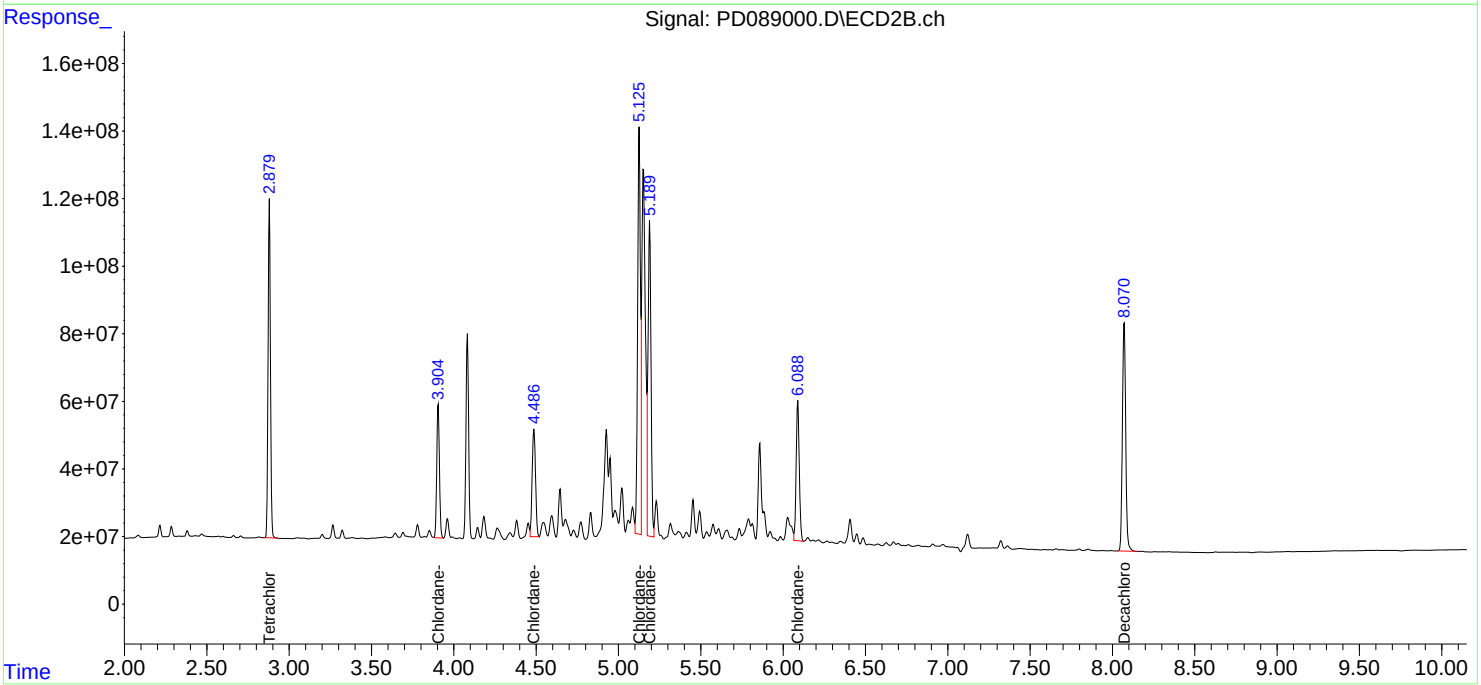
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:59:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:57:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 18:36
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:30:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:29:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.549	2.880	143.6E6	868.2E6	50.000	50.000
7) SA	Decachlor...	9.071	8.071	194.1E6	1009.6E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.241	5.474	16800895	79079940	500.000	500.000
3)	Toxaphene-2	6.441	5.646	23764296	54409973	500.000	500.000
4)	Toxaphene-3	7.148	6.755	43646368	255.9E6	500.000	500.000
5)	Toxaphene-4	7.562	7.197	55678343	175.1E6	500.000	500.000
6)	Toxaphene-5	7.928	7.328	31556310	127.0E6	500.000	500.000

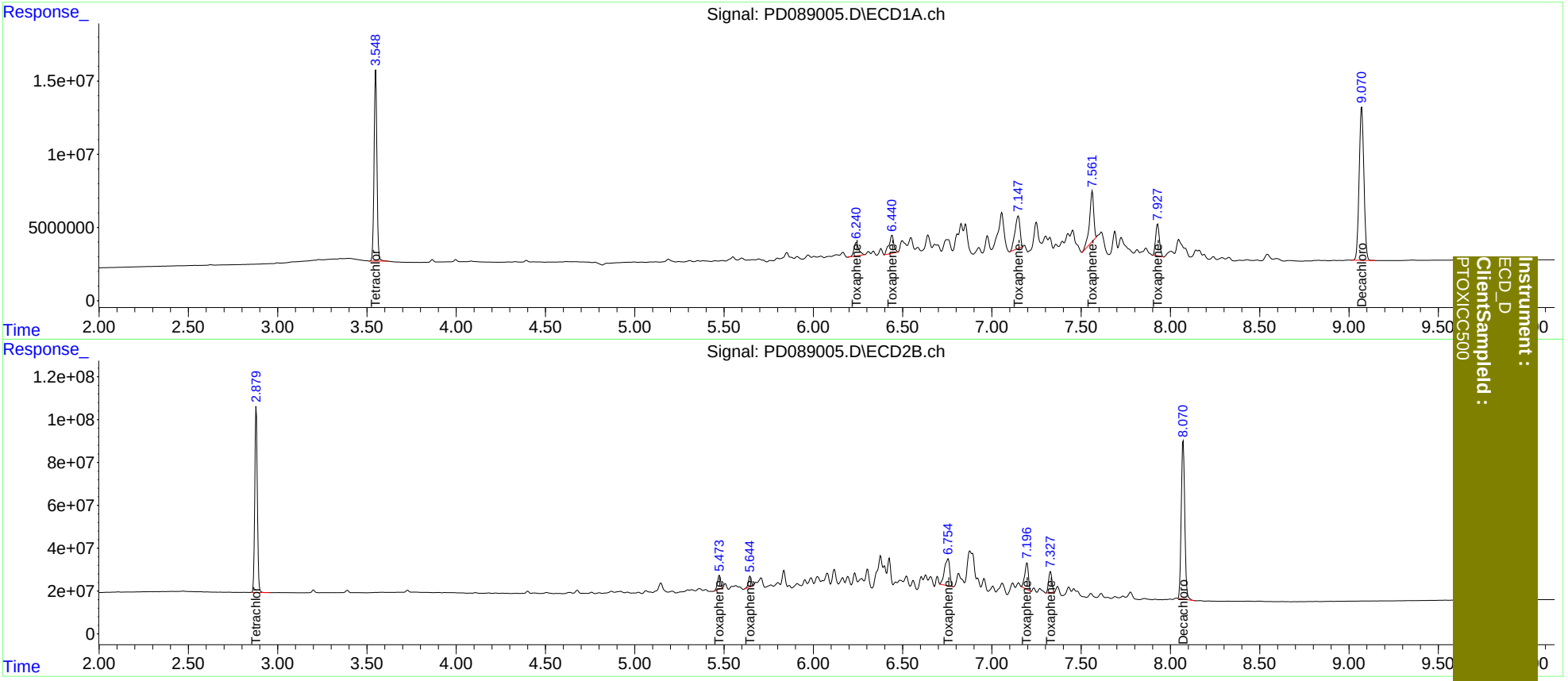
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 18:36
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 04:30:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 04:29:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_D
ClientSampleId :
ICVPD061825

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.549	2.880	139.5E6	848.9E6	48.909	50.072
28) SA	Decachlor...	9.072	8.073	188.5E6	996.5E6	47.986	50.403
	Target Compounds						
2) A	alpha-BHC	3.999	3.393	295.8E6	1350.4E6	50.737	50.394
3) MA	gamma-BHC...	4.330	3.729	280.5E6	1249.3E6	50.254	50.462
4) MA	Heptachlor	4.929	4.082	270.9E6	1252.2E6	49.682	50.010
5) MB	Aldrin	5.271	4.368	265.0E6	1218.5E6	49.876	50.317
6) B	beta-BHC	4.515	4.025	107.7E6	537.8E6	48.800	50.043
7) B	delta-BHC	4.764	4.262	261.5E6	1252.0E6	50.946	50.333
8) B	Heptachlo...	5.691	4.872	235.4E6	1093.7E6	48.806	49.946
9) A	Endosulfan I	6.075	5.247	222.0E6	1045.8E6	49.252	50.175
10) B	gamma-Chl...	5.946	5.126	237.3E6	1184.2E6	49.570	49.500
11) B	alpha-Chl...	6.027	5.190	238.3E6	1135.5E6	49.257	49.590
12) B	4,4'-DDE	6.195	5.375	217.6E6	1145.1E6	49.901	49.970
13) MA	Dieldrin	6.347	5.513	238.9E6	1159.0E6	49.793	49.940
14) MA	Endrin	6.574	5.790	203.1E6	1100.0E6	49.223	50.657
15) B	Endosulfa...	6.786	6.081	195.6E6	1002.6E6	48.453	49.643
16) A	4,4'-DDD	6.705	5.930	170.0E6	955.9E6	49.526	49.972
17) MA	4,4'-DDT	7.021	6.184	188.0E6	1027.1E6	49.627	50.650
18) B	Endrin al...	6.915	6.259	149.8E6	759.8E6	48.894	49.621
19) B	Endosulfa...	7.149	6.483	187.3E6	976.2E6	48.824	49.755
20) A	Methoxychlor	7.493	6.755	98271542	536.8E6	48.634	49.853
21) B	Endrin ke...	7.630	6.992	200.8E6	1076.8E6	49.300	49.848
22)	Mirex	8.114	7.186	147.3E6	825.2E6	48.452	49.481

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

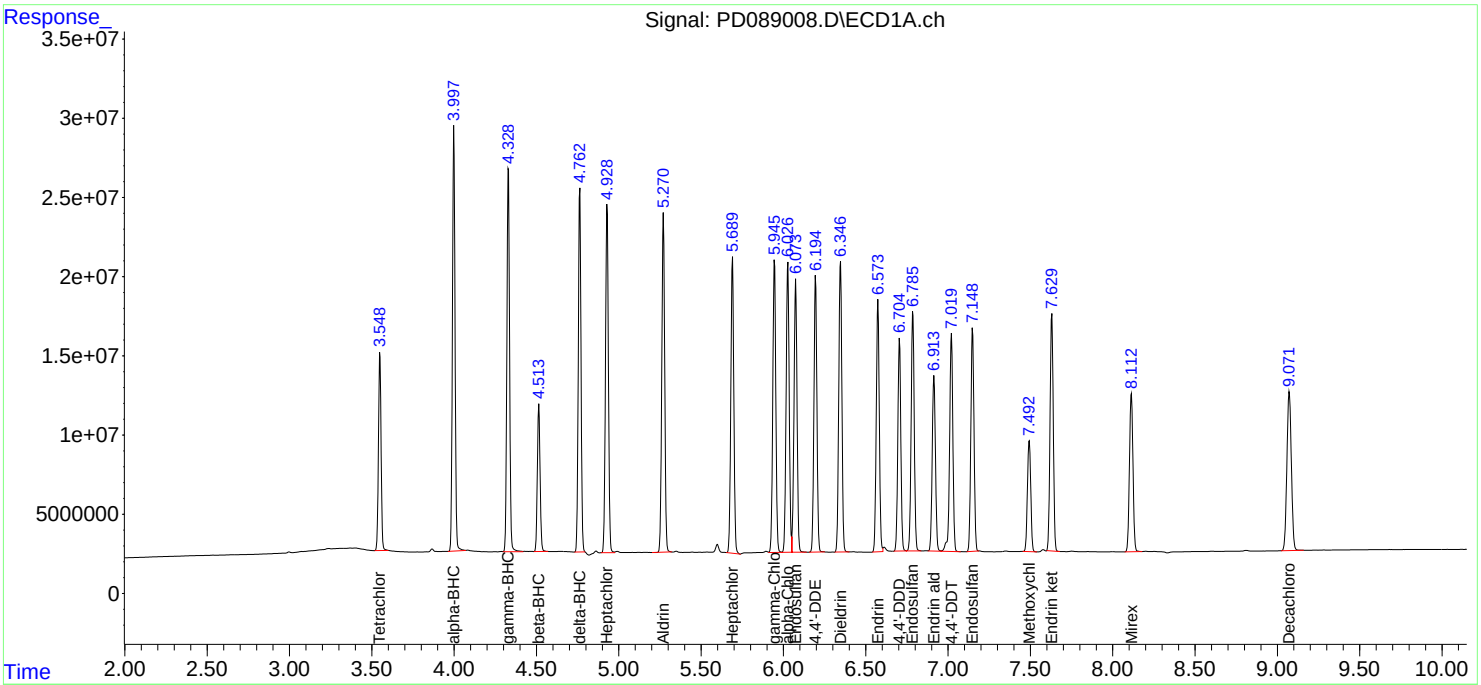
ICAL Form

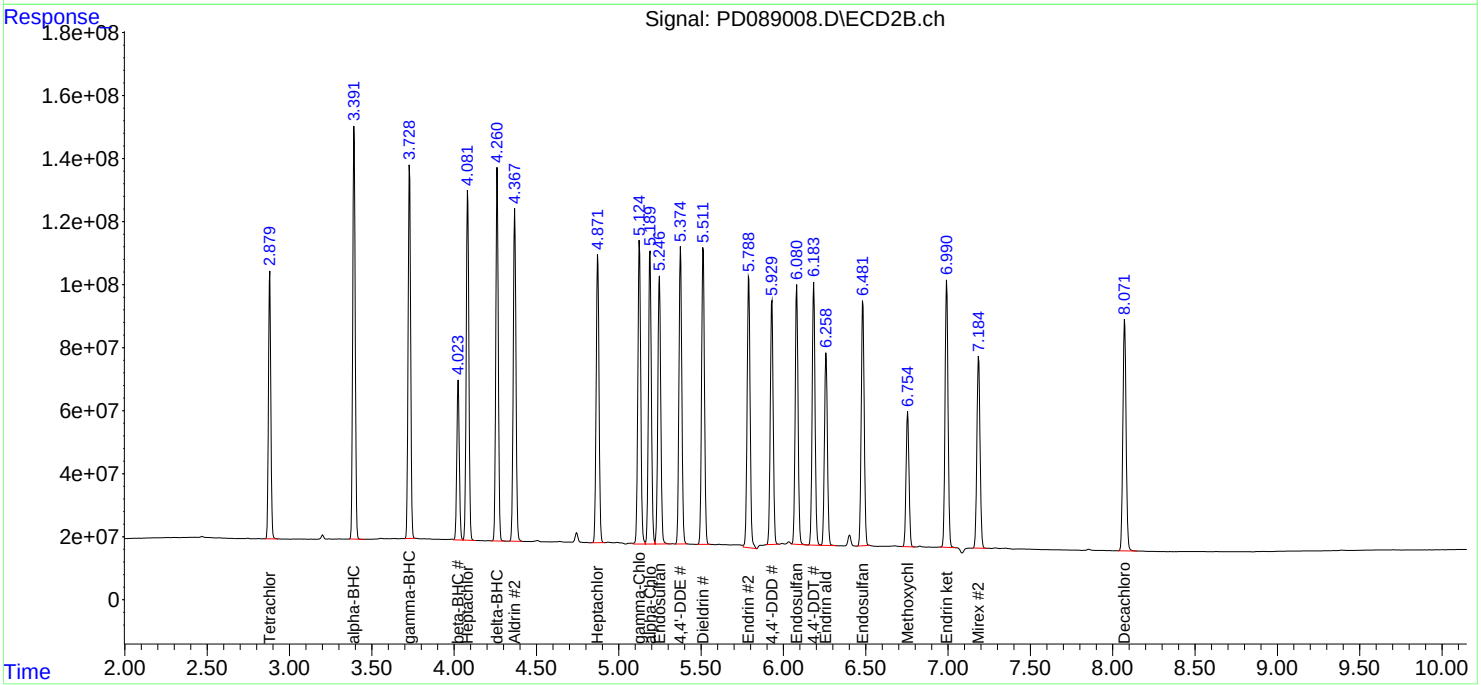
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD061825

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

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_D
ClientSampleId :
ICVPD061825CHLOR

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

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

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

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

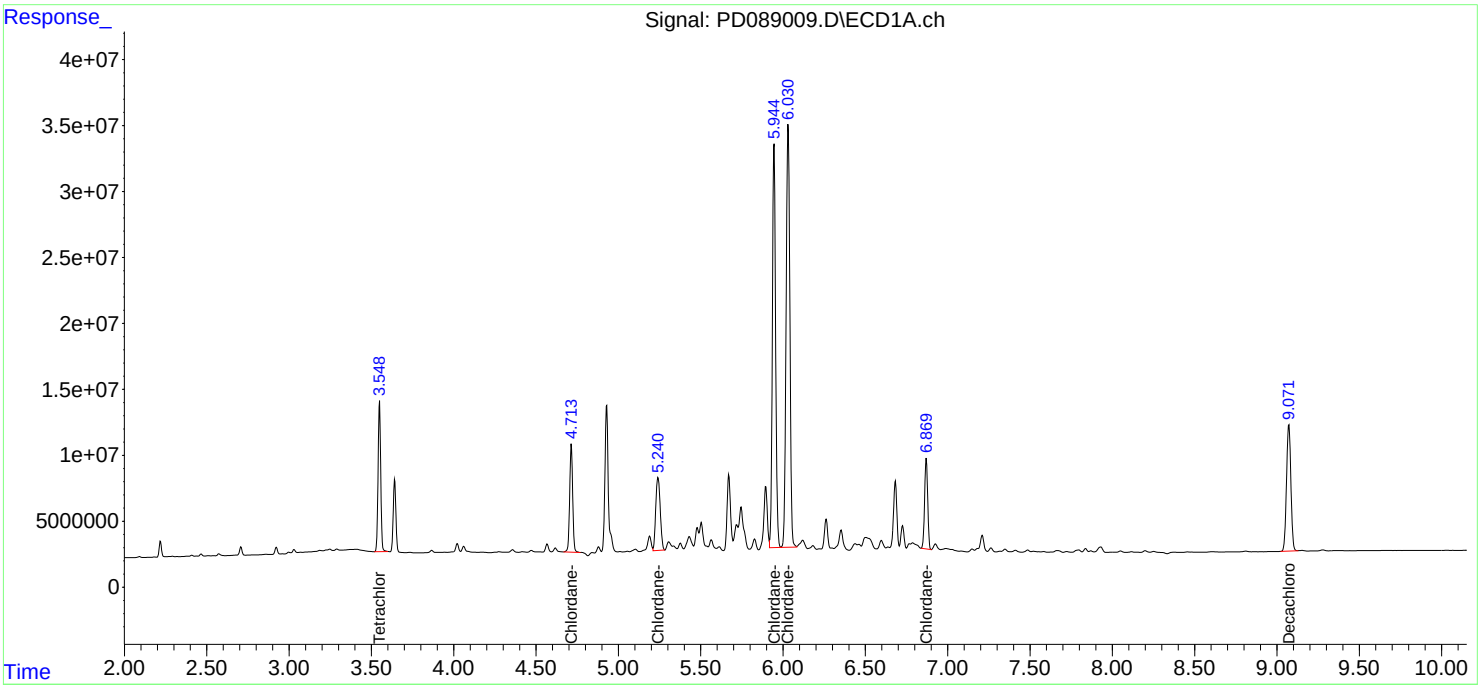
ICAL Form

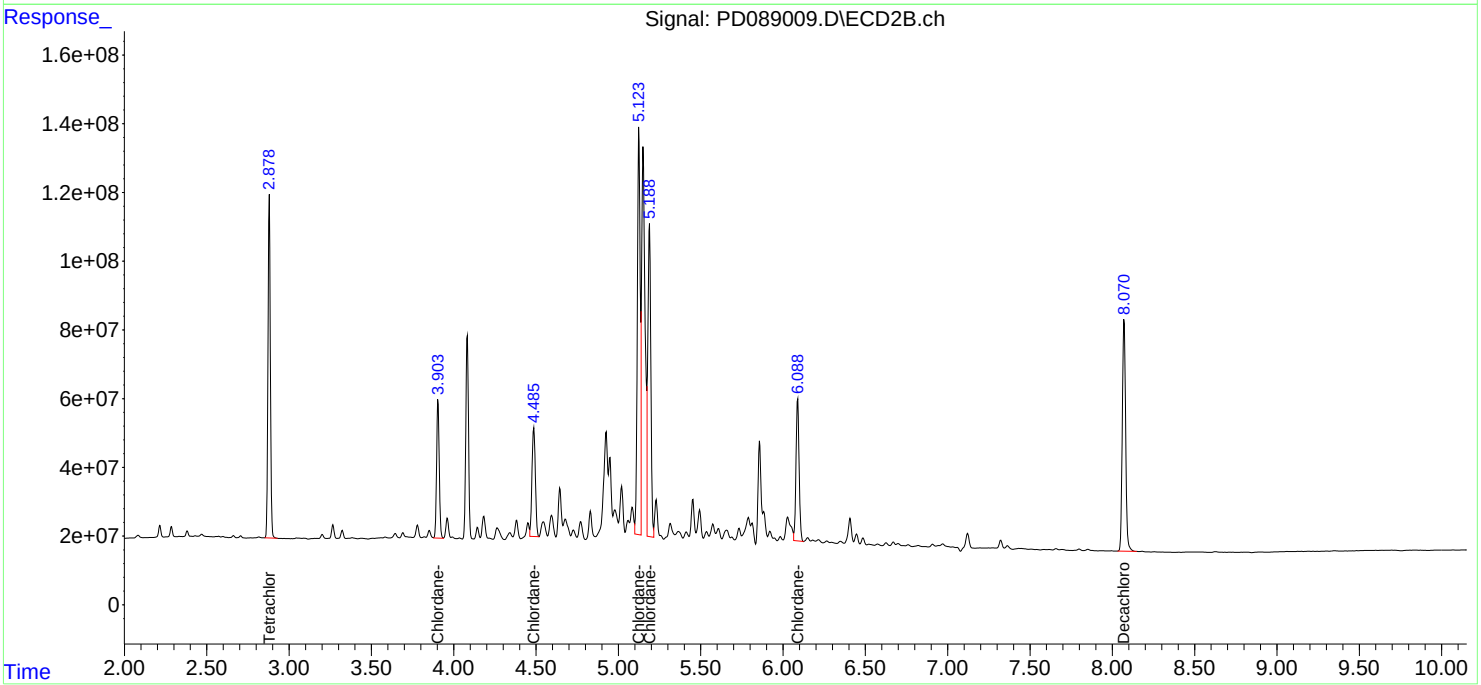
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:31
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD061825CHLOR

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

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





Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_D
ClientSampleId :
ICVPD061825TOX

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

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

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

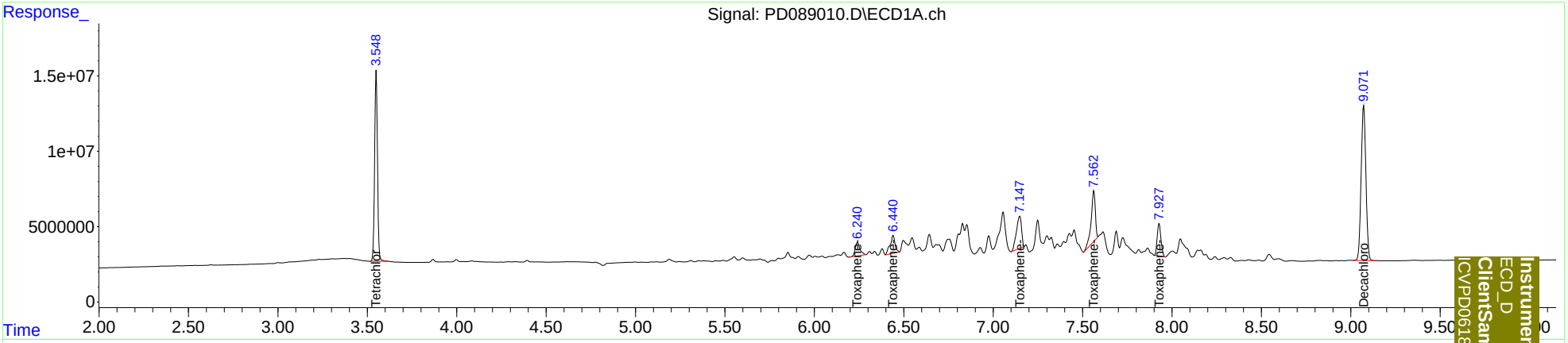
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

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

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

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



Raw Data: **PD089134.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:12 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD089134.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:12 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD089134.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Client Sample No.: CCAL01 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089134.D **Time Analyzed:** 16:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.605	6.805	52.370	50.000	4.7
4,4'-DDE	6.195	6.096	6.296	50.910	50.000	1.8
4,4'-DDT	7.021	6.921	7.121	48.180	50.000	-3.6
Aldrin	5.271	5.171	5.371	52.530	50.000	5.1
alpha-BHC	3.999	3.899	4.099	53.570	50.000	7.1
alpha-Chlordane	6.027	5.927	6.127	51.430	50.000	2.9
beta-BHC	4.515	4.415	4.615	51.190	50.000	2.4
Decachlorobiphenyl	9.073	8.972	9.172	48.720	50.000	-2.6
delta-BHC	4.764	4.664	4.864	55.600	50.000	11.2
Dieldrin	6.347	6.247	6.447	51.740	50.000	3.5
Endosulfan I	6.074	5.975	6.175	51.320	50.000	2.6
Endosulfan II	6.786	6.686	6.886	51.720	50.000	3.4
Endosulfan sulfate	7.149	7.049	7.249	50.030	50.000	0.1
Endrin	6.575	6.475	6.675	50.280	50.000	0.6
Endrin aldehyde	6.915	6.815	7.015	49.430	50.000	-1.1
Endrin ketone	7.630	7.530	7.730	50.650	50.000	1.3
gamma-BHC (Lindane)	4.330	4.230	4.430	53.110	50.000	6.2
gamma-Chlordane	5.945	5.846	6.046	51.930	50.000	3.9
Heptachlor	4.929	4.829	5.029	51.830	50.000	3.7
Heptachlor epoxide	5.691	5.591	5.791	50.860	50.000	1.7
Methoxychlor	7.493	7.393	7.593	45.860	50.000	-8.3
Tetrachloro-m-xylene	3.550	3.450	3.650	51.690	50.000	3.4

Raw Data: **PD089134.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Client Sample No.: CCAL01 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089134.D **Time Analyzed:** 16:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	50.660	50.000	1.3
4,4'-DDE	5.375	5.275	5.475	50.160	50.000	0.3
4,4'-DDT	6.183	6.084	6.284	47.880	50.000	-4.2
Aldrin	4.368	4.269	4.469	51.110	50.000	2.2
alpha-BHC	3.393	3.293	3.493	51.690	50.000	3.4
alpha-Chlordane	5.190	5.091	5.291	50.080	50.000	0.2
beta-BHC	4.025	3.926	4.126	50.170	50.000	0.3
Decachlorobiphenyl	8.072	7.972	8.172	49.080	50.000	-1.8
delta-BHC	4.261	4.162	4.362	51.300	50.000	2.6
Dieldrin	5.512	5.413	5.613	50.380	50.000	0.8
Endosulfan I	5.246	5.147	5.347	48.960	50.000	-2.1
Endosulfan II	6.080	5.981	6.181	49.710	50.000	-0.6
Endosulfan sulfate	6.481	6.383	6.583	49.190	50.000	-1.6
Endrin	5.789	5.689	5.889	49.670	50.000	-0.7
Endrin aldehyde	6.258	6.159	6.359	48.480	50.000	-3.0
Endrin ketone	6.991	6.892	7.092	49.700	50.000	-0.6
gamma-BHC (Lindane)	3.729	3.630	3.830	51.520	50.000	3.0
gamma-Chlordane	5.125	5.026	5.226	50.180	50.000	0.4
Heptachlor	4.083	3.983	4.183	49.870	50.000	-0.3
Heptachlor epoxide	4.872	4.773	4.973	50.580	50.000	1.2
Methoxychlor	6.754	6.655	6.855	46.450	50.000	-7.1
Tetrachloro-m-xylene	2.881	2.780	2.980	51.570	50.000	3.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 16:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	147.5E6	874.2E6	51.688	51.567
28)	SA Decachlor...	9.073	8.072	191.4E6	970.2E6	48.725	49.076
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	312.3E6	1385.1E6	53.573	51.688
3)	MA gamma-BHC...	4.330	3.729	296.4E6	1275.4E6	53.105	51.515
4)	MA Heptachlor	4.929	4.083	282.6E6	1248.5E6	51.834	49.865
5)	MB Aldrin	5.271	4.368	279.1E6	1237.7E6	52.525	51.109
6)	B beta-BHC	4.515	4.025	113.0E6	539.1E6	51.186	50.168
7)	B delta-BHC	4.764	4.261	285.4E6	1275.9E6	55.598	51.297
8)	B Heptachlo...	5.691	4.872	245.3E6	1107.6E6	50.856	50.581
9)	A Endosulfan I	6.074	5.246	231.3E6	1020.5E6	51.316	48.961
10)	B gamma-Chl...	5.945	5.125	248.7E6	1200.3E6	51.933	50.175
11)	B alpha-Chl...	6.027	5.190	248.8E6	1146.7E6	51.425	50.080
12)	B 4,4'-DDE	6.195	5.375	222.0E6	1149.5E6	50.913	50.161
13)	MA Dieldrin	6.347	5.512	248.2E6	1169.3E6	51.737	50.381
14)	MA Endrin	6.575	5.789	207.4E6	1078.4E6	50.277	49.666
15)	B Endosulfa...	6.786	6.080	208.8E6	1003.9E6	51.721	49.706
16)	A 4,4'-DDD	6.705	5.929	179.7E6	969.1E6	52.372	50.658
17)	MA 4,4'-DDT	7.021	6.183	182.5E6	971.0E6	48.182	47.883
18)	B Endrin al...	6.915	6.258	151.4E6	742.3E6	49.429	48.483
19)	B Endosulfa...	7.149	6.481	192.0E6	965.1E6	50.033	49.185
20)	A Methoxychlor	7.493	6.754	92659377	500.1E6	45.857	46.447
21)	B Endrin ke...	7.630	6.991	206.3E6	1073.7E6	50.647	49.704
22)	Mirex	8.114	7.184	149.3E6	812.7E6	49.095	48.729

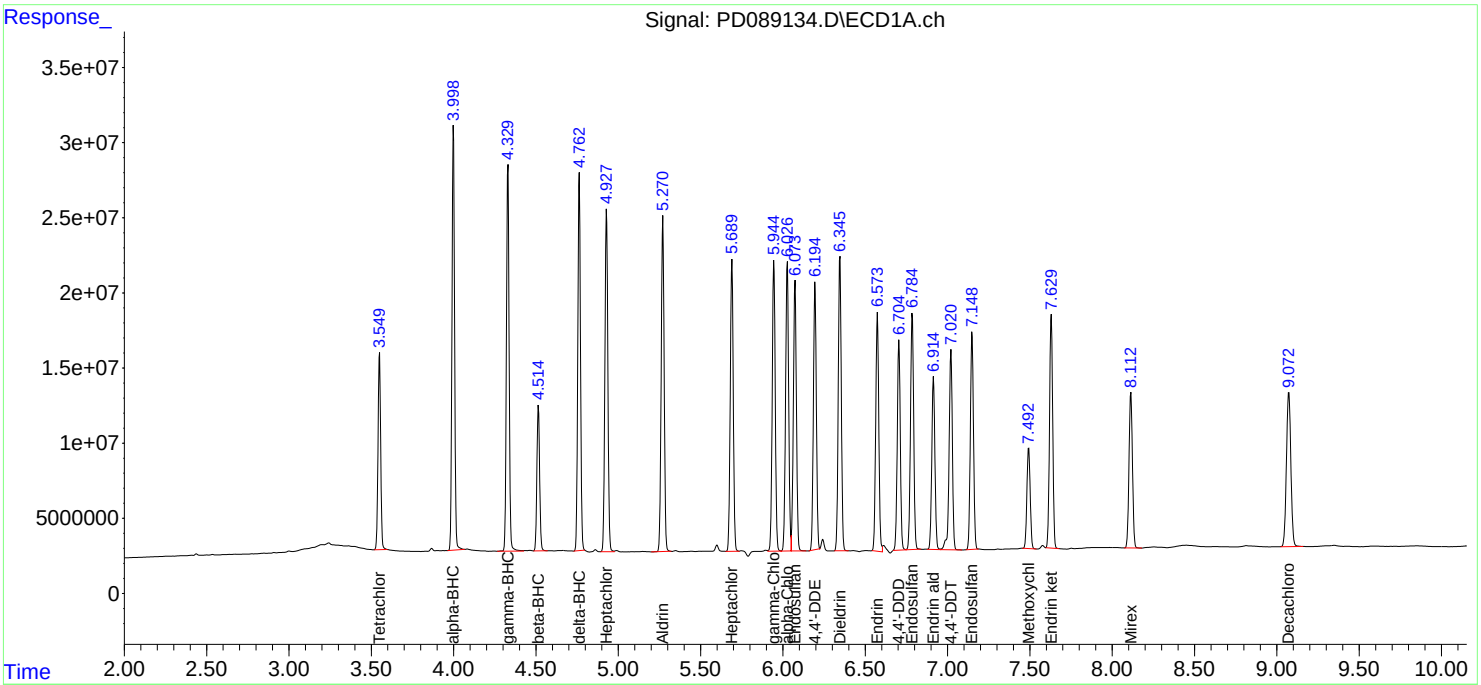
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

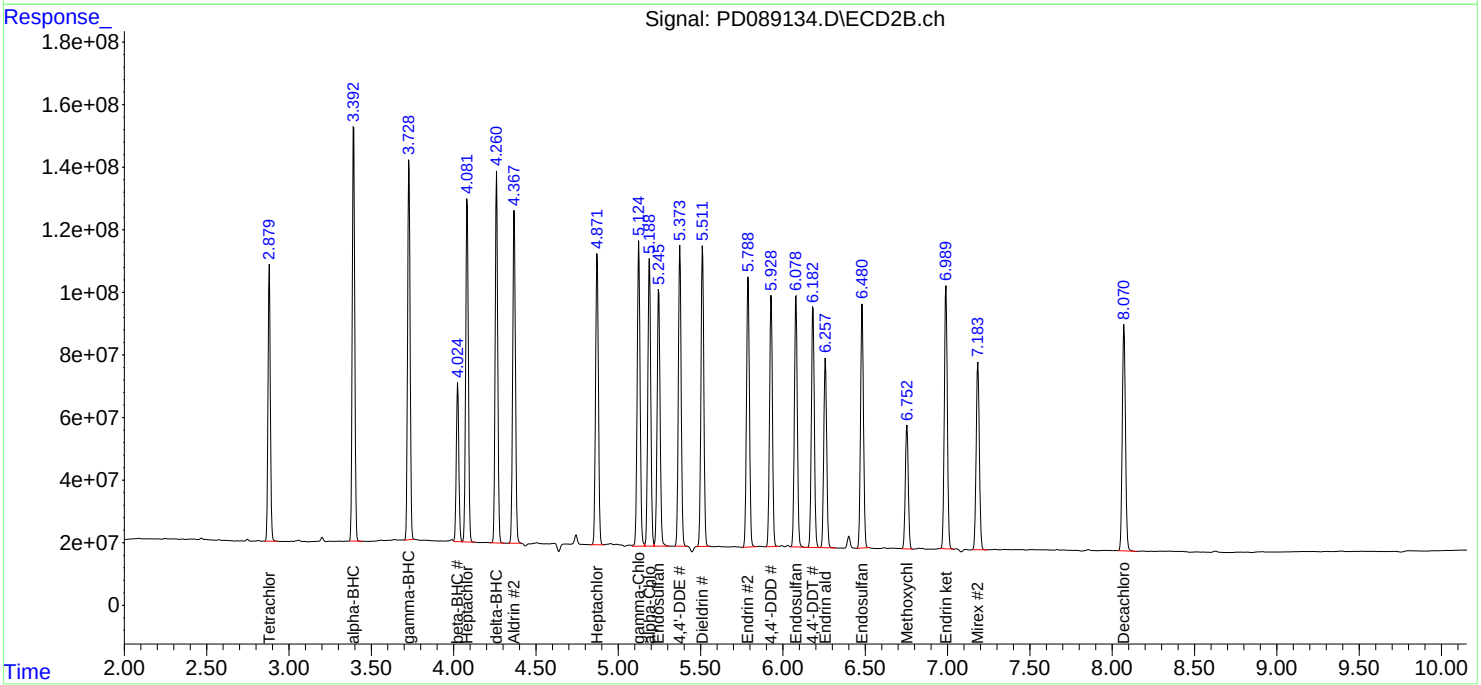
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 16:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD089146.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD089146.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD089146.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Client Sample No.: CCAL02 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089146.D **Time Analyzed:** 19:15

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.605	6.805	52.530	50.000	5.1
4,4'-DDE	6.196	6.096	6.296	51.170	50.000	2.3
4,4'-DDT	7.021	6.921	7.121	48.420	50.000	-3.2
Aldrin	5.271	5.171	5.371	52.830	50.000	5.7
alpha-BHC	3.999	3.899	4.099	54.380	50.000	8.8
alpha-Chlordane	6.026	5.927	6.127	51.910	50.000	3.8
beta-BHC	4.515	4.415	4.615	51.800	50.000	3.6
Decachlorobiphenyl	9.073	8.972	9.172	48.940	50.000	-2.1
delta-BHC	4.764	4.664	4.864	56.290	50.000	12.6
Dieldrin	6.346	6.247	6.447	51.830	50.000	3.7
Endosulfan I	6.074	5.975	6.175	51.790	50.000	3.6
Endosulfan II	6.786	6.686	6.886	51.980	50.000	4.0
Endosulfan sulfate	7.149	7.049	7.249	50.040	50.000	0.1
Endrin	6.574	6.475	6.675	50.290	50.000	0.6
Endrin aldehyde	6.915	6.815	7.015	49.890	50.000	-0.2
Endrin ketone	7.630	7.530	7.730	50.970	50.000	1.9
gamma-BHC (Lindane)	4.330	4.230	4.430	53.840	50.000	7.7
gamma-Chlordane	5.945	5.846	6.046	52.630	50.000	5.3
Heptachlor	4.929	4.829	5.029	52.360	50.000	4.7
Heptachlor epoxide	5.690	5.591	5.791	51.690	50.000	3.4
Methoxychlor	7.493	7.393	7.593	45.660	50.000	-8.7
Tetrachloro-m-xylene	3.550	3.450	3.650	52.350	50.000	4.7

Raw Data: **PD089146.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Client Sample No.: CCAL02 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089146.D **Time Analyzed:** 19:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	51.340	50.000	2.7
4,4'-DDE	5.375	5.275	5.475	50.750	50.000	1.5
4,4'-DDT	6.183	6.084	6.284	48.290	50.000	-3.4
Aldrin	4.369	4.269	4.469	51.750	50.000	3.5
alpha-BHC	3.393	3.293	3.493	52.130	50.000	4.3
alpha-Chlordane	5.190	5.091	5.291	50.620	50.000	1.2
beta-BHC	4.025	3.926	4.126	50.200	50.000	0.4
Decachlorobiphenyl	8.071	7.972	8.172	48.540	50.000	-2.9
delta-BHC	4.262	4.162	4.362	51.710	50.000	3.4
Dieldrin	5.513	5.413	5.613	50.760	50.000	1.5
Endosulfan I	5.246	5.147	5.347	48.710	50.000	-2.6
Endosulfan II	6.080	5.981	6.181	50.180	50.000	0.4
Endosulfan sulfate	6.482	6.383	6.583	49.170	50.000	-1.7
Endrin	5.789	5.689	5.889	50.400	50.000	0.8
Endrin aldehyde	6.258	6.159	6.359	48.810	50.000	-2.4
Endrin ketone	6.991	6.892	7.092	49.570	50.000	-0.9
gamma-BHC (Lindane)	3.729	3.630	3.830	51.880	50.000	3.8
gamma-Chlordane	5.125	5.026	5.226	50.860	50.000	1.7
Heptachlor	4.083	3.983	4.183	50.530	50.000	1.1
Heptachlor epoxide	4.872	4.773	4.973	51.260	50.000	2.5
Methoxychlor	6.754	6.655	6.855	46.630	50.000	-6.7
Tetrachloro-m-xylene	2.881	2.780	2.980	51.950	50.000	3.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 19:15
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:15:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	149.4E6	880.7E6	52.348	51.951
28)	SA Decachlor...	9.073	8.071	192.2E6	959.7E6	48.939	48.543
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	317.0E6	1396.9E6	54.376	52.127
3)	MA gamma-BHC...	4.330	3.729	300.5E6	1284.3E6	53.836	51.875
4)	MA Heptachlor	4.929	4.083	285.5E6	1265.3E6	52.358	50.534
5)	MB Aldrin	5.271	4.369	280.7E6	1253.3E6	52.829	51.754
6)	B beta-BHC	4.515	4.025	114.3E6	539.4E6	51.797	50.199
7)	B delta-BHC	4.764	4.262	288.9E6	1286.3E6	56.288	51.714
8)	B Heptachlo...	5.690	4.872	249.3E6	1122.5E6	51.685	51.260
9)	A Endosulfan I	6.074	5.246	233.4E6	1015.3E6	51.786	48.714
10)	B gamma-Chl...	5.945	5.125	252.0E6	1216.8E6	52.630	50.862
11)	B alpha-Chl...	6.026	5.190	251.2E6	1159.0E6	51.912	50.619
12)	B 4,4'-DDE	6.196	5.375	223.2E6	1163.1E6	51.173	50.755
13)	MA Dieldrin	6.346	5.513	248.7E6	1178.1E6	51.833	50.763
14)	MA Endrin	6.574	5.789	207.5E6	1094.4E6	50.293	50.399
15)	B Endosulfa...	6.786	6.080	209.8E6	1013.4E6	51.981	50.176
16)	A 4,4'-DDD	6.705	5.929	180.3E6	982.1E6	52.532	51.339
17)	MA 4,4'-DDT	7.021	6.183	183.4E6	979.2E6	48.422	48.286
18)	B Endrin al...	6.915	6.258	152.9E6	747.3E6	49.891	48.805
19)	B Endosulfa...	7.149	6.482	192.0E6	964.8E6	50.042	49.171
20)	A Methoxychlor	7.493	6.754	92255758	502.1E6	45.657	46.628
21)	B Endrin ke...	7.630	6.991	207.6E6	1070.8E6	50.972	49.572
22)	Mirex	8.113	7.185	150.8E6	810.6E6	49.602	48.601

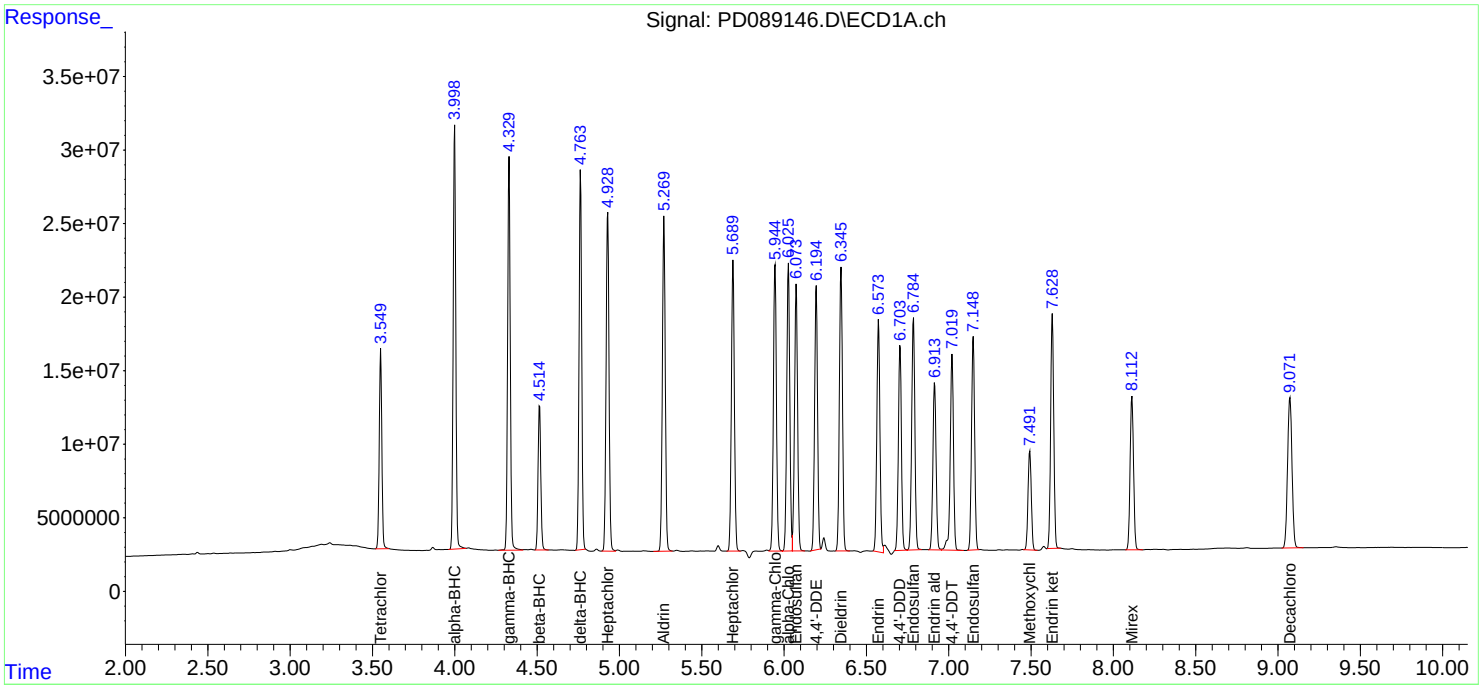
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

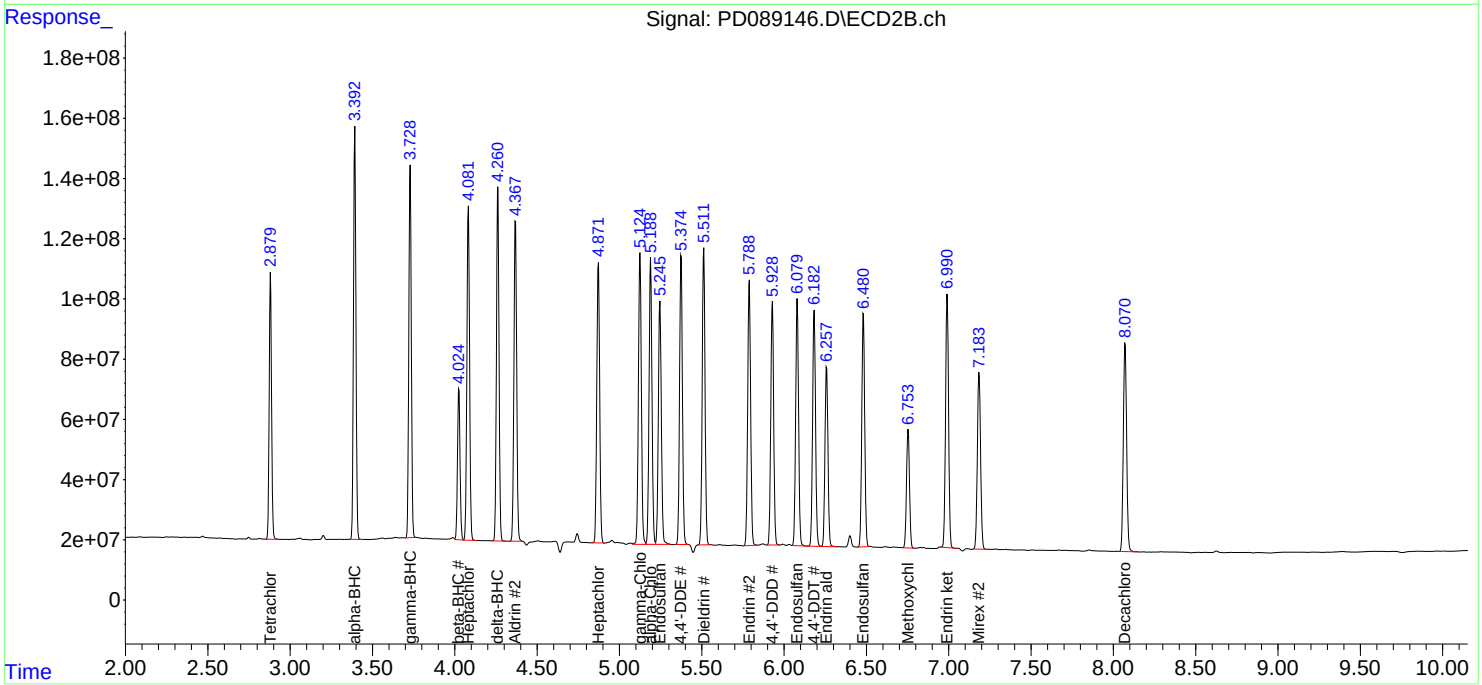
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 19:15
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:15:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD089155.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 22:40 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD089155.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Continuing Calib Date: 06/25/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 22:40 **Initial Calibration Time(s):** 15:52 16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Client Sample No.: CCAL03 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089155.D **Time Analyzed:** 22:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	45.490	50.000	-9.0
4,4'-DDE	6.195	6.096	6.296	46.090	50.000	-7.8
4,4'-DDT	7.020	6.921	7.121	40.060	50.000	-19.9
Aldrin	5.271	5.171	5.371	50.000	50.000	0.0
alpha-BHC	3.999	3.899	4.099	54.860	50.000	9.7
alpha-Chlordane	6.027	5.927	6.127	48.640	50.000	-2.7
beta-BHC	4.515	4.415	4.615	52.340	50.000	4.7
Decachlorobiphenyl	9.072	8.972	9.172	41.670	50.000	-16.7
delta-BHC	4.764	4.664	4.864	56.380	50.000	12.8
Dieldrin	6.347	6.247	6.447	45.400	50.000	-9.2
Endosulfan I	6.074	5.975	6.175	48.330	50.000	-3.3
Endosulfan II	6.785	6.686	6.886	45.580	50.000	-8.8
Endosulfan sulfate	7.148	7.049	7.249	42.630	50.000	-14.7
Endrin	6.572	6.475	6.675	43.610	50.000	-12.8
Endrin aldehyde	6.914	6.815	7.015	43.020	50.000	-14.0
Endrin ketone	7.630	7.530	7.730	42.260	50.000	-15.5
gamma-BHC (Lindane)	4.330	4.230	4.430	54.290	50.000	8.6
gamma-Chlordane	5.946	5.846	6.046	49.610	50.000	-0.8
Heptachlor	4.929	4.829	5.029	51.480	50.000	3.0
Heptachlor epoxide	5.690	5.591	5.791	49.080	50.000	-1.8
Methoxychlor	7.491	7.393	7.593	38.160	50.000	-23.7
Tetrachloro-m-xylene	3.551	3.450	3.650	52.830	50.000	5.7

Raw Data: **PD089155.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Client Sample No.: CCAL03 **Date Analyzed:** 06/25/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089155.D **Time Analyzed:** 22:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	49.150	50.000	-1.7
4,4'-DDE	5.375	5.275	5.475	49.570	50.000	-0.9
4,4'-DDT	6.183	6.084	6.284	44.960	50.000	-10.1
Aldrin	4.368	4.269	4.469	51.690	50.000	3.4
alpha-BHC	3.393	3.293	3.493	52.300	50.000	4.6
alpha-Chlordane	5.190	5.091	5.291	49.730	50.000	-0.5
beta-BHC	4.025	3.926	4.126	49.430	50.000	-1.1
Decachlorobiphenyl	8.071	7.972	8.172	40.090	50.000	-19.8
delta-BHC	4.262	4.162	4.362	51.750	50.000	3.5
Dieldrin	5.512	5.413	5.613	49.360	50.000	-1.3
Endosulfan I	5.246	5.147	5.347	46.120	50.000	-7.8
Endosulfan II	6.079	5.981	6.181	47.570	50.000	-4.9
Endosulfan sulfate	6.481	6.383	6.583	45.570	50.000	-8.9
Endrin	5.789	5.689	5.889	50.010	50.000	0.0
Endrin aldehyde	6.258	6.159	6.359	45.240	50.000	-9.5
Endrin ketone	6.990	6.892	7.092	43.850	50.000	-12.3
gamma-BHC (Lindane)	3.730	3.630	3.830	52.050	50.000	4.1
gamma-Chlordane	5.125	5.026	5.226	49.880	50.000	-0.2
Heptachlor	4.082	3.983	4.183	50.510	50.000	1.0
Heptachlor epoxide	4.872	4.773	4.973	50.800	50.000	1.6
Methoxychlor	6.752	6.655	6.855	42.310	50.000	-15.4
Tetrachloro-m-xylene	2.881	2.780	2.980	52.150	50.000	4.3

Sample Results: **PD089155.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089155.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 22:40
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 09:26:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.881	150.7E6	884.2E6	52.831	52.153
28)	SA Decachlor...	9.072	8.071	163.7E6	792.5E6	41.669	40.088
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	319.8E6	1401.4E6	54.864	52.297
3)	MA gamma-BHC...	4.330	3.730	303.0E6	1288.6E6	54.291	52.050
4)	MA Heptachlor	4.929	4.082	280.7E6	1264.6E6	51.480	50.506
5)	MB Aldrin	5.271	4.368	265.6E6	1251.9E6	49.999	51.693
6)	B beta-BHC	4.515	4.025	115.5E6	531.1E6	52.336	49.425
7)	B delta-BHC	4.764	4.262	289.4E6	1287.2E6	56.382	51.751
8)	B Heptachlo...	5.690	4.872	236.8E6	1112.5E6	49.079	50.804
9)	A Endosulfan I	6.074	5.246	217.8E6	961.3E6	48.328	46.120
10)	B gamma-Chl...	5.946	5.125	237.5E6	1193.3E6	49.607	49.883
11)	B alpha-Chl...	6.027	5.190	235.3E6	1138.6E6	48.636	49.727
12)	B 4,4'-DDE	6.195	5.375	201.0E6	1135.9E6	46.092	49.568
13)	MA Dieldrin	6.347	5.512	217.8E6	1145.6E6	45.405	49.362
14)	MA Endrin	6.572	5.789	179.9E6	1086.0E6	43.607m	50.013
15)	B Endosulfa...	6.785	6.079	184.0E6	960.8E6	45.576	47.574
16)	A 4,4'-DDD	6.704	5.929	156.1E6	940.3E6	45.489	49.154
17)	MA 4,4'-DDT	7.020	6.183	151.8E6	911.7E6	40.063	44.956
18)	B Endrin al...	6.914	6.258	131.8E6	692.7E6	43.021	45.244
19)	B Endosulfa...	7.148	6.481	163.6E6	894.2E6	42.628	45.573
20)	A Methoxychlor	7.491	6.752	77116798	455.6E6	38.165m	42.308
21)	B Endrin ke...	7.630	6.990	172.1E6	947.1E6	42.264	43.846
22)	Mirex	8.113	7.184	128.6E6	705.3E6	42.314	42.292

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

Sample Results: **PD089155.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089155.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 22:40
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

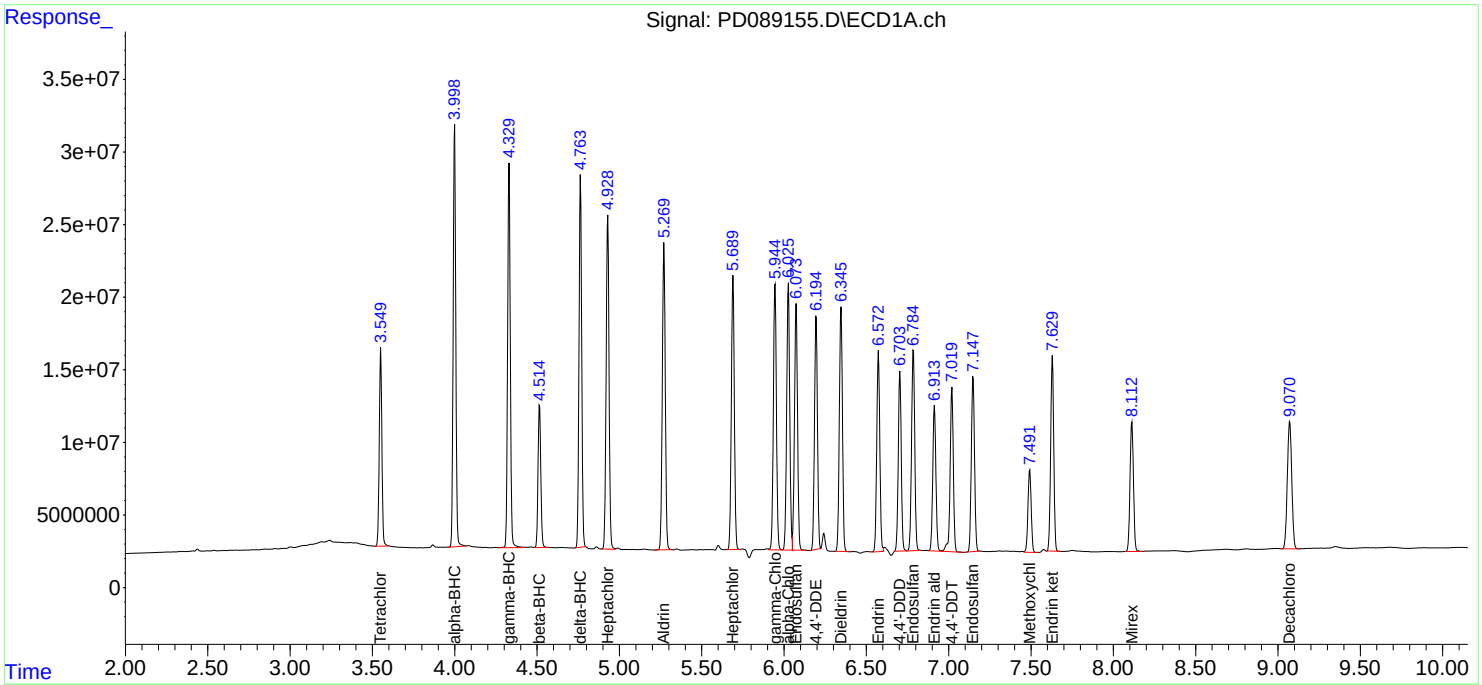
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

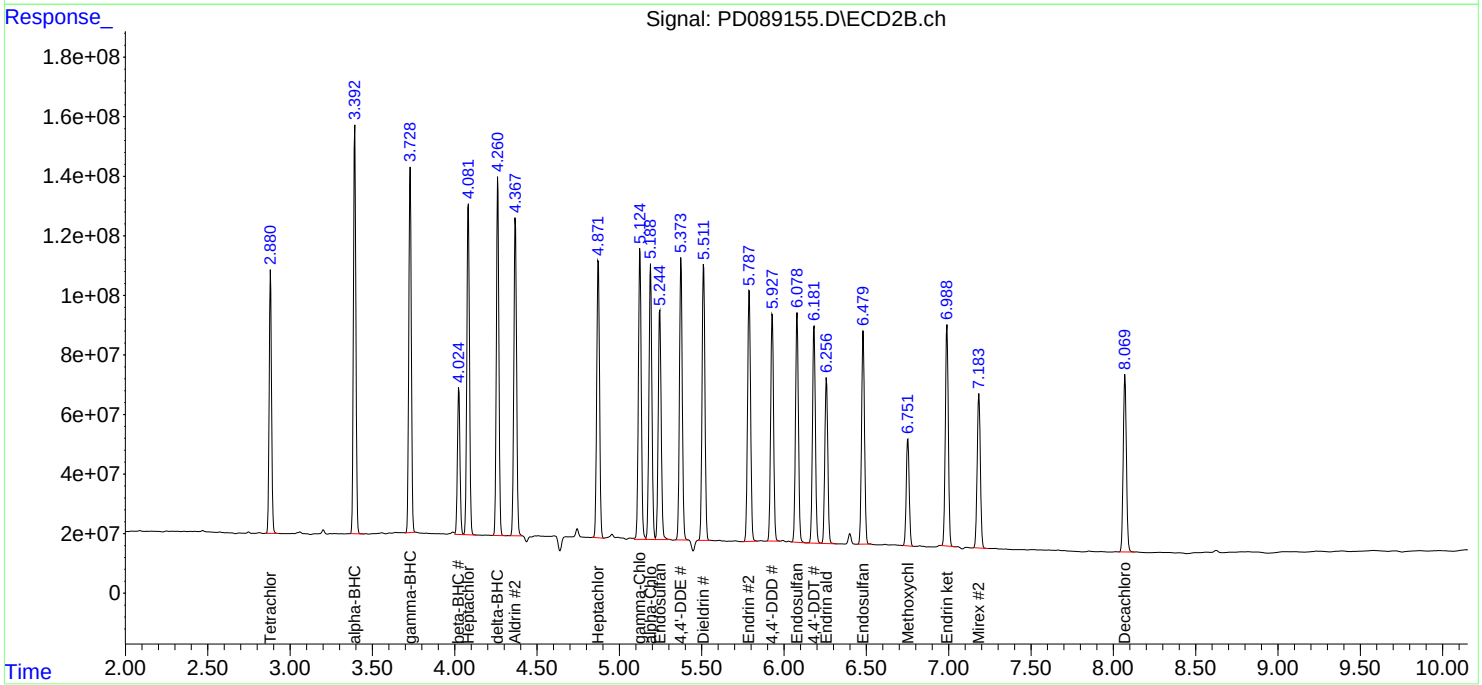
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 09:26:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

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

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

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

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

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

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

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

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

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

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

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

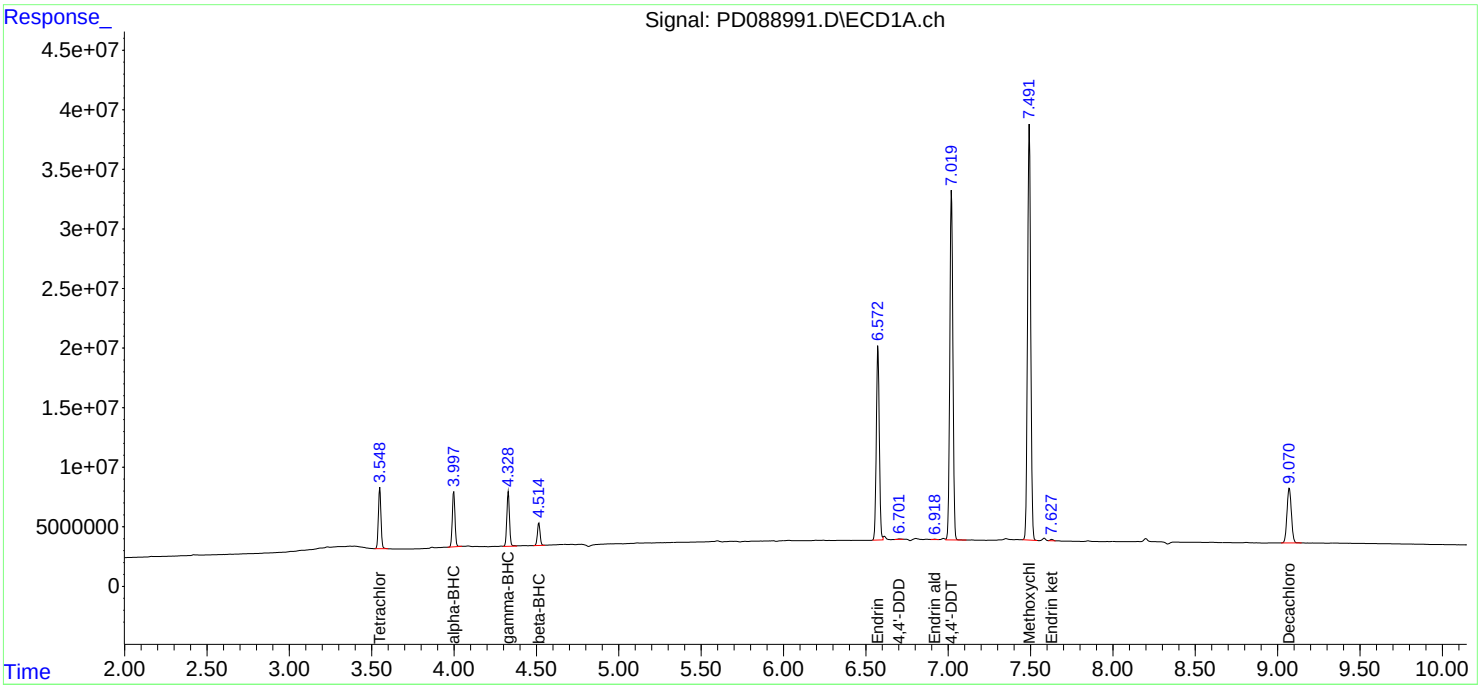
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

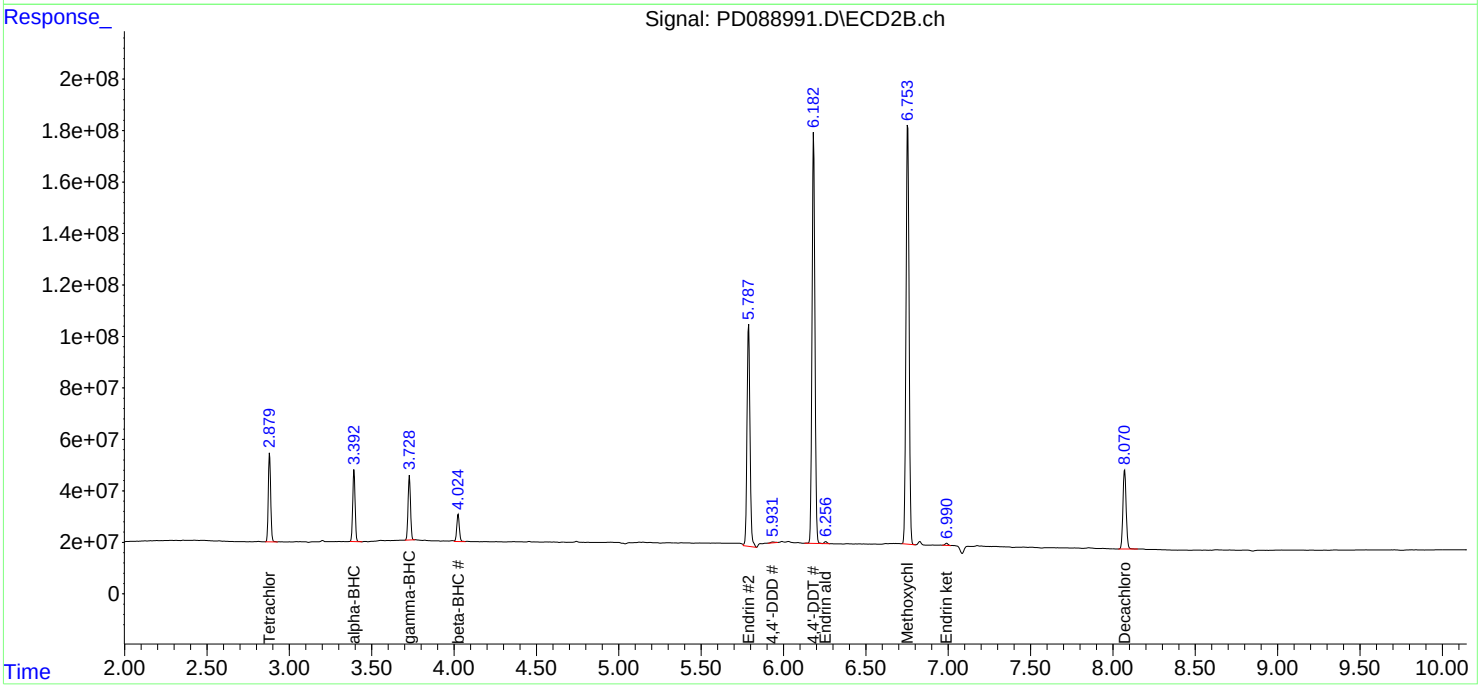
Instrument :
ECD_D
ClientSampleId :
PEM

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

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

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Client Sample No. (PEM): PEM - PD089118.D **Date Analyzed:** 06/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.970	9.170	20.340	20.000	1.7
Tetrachloro-m-xylene	3.551	3.500	3.600	20.150	20.000	0.8
alpha-BHC	3.999	3.950	4.050	9.340	10.000	-6.6
beta-BHC	4.516	4.470	4.570	10.310	10.000	3.1
gamma-BHC (Lindane)	4.330	4.280	4.380	9.690	10.000	-3.1
Endrin	6.574	6.500	6.640	47.680	50.000	-4.6
4,4'-DDT	7.021	6.950	7.090	91.830	100.000	-8.2
Methoxychlor	7.493	7.420	7.560	207.080	250.000	-17.2

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

Client Sample No. (PEM): PEM - PD089118.D **Date Analyzed:** 06/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.970	8.170	21.190	20.000	6.0
Tetrachloro-m-xylene	2.881	2.830	2.930	21.190	20.000	6.0
alpha-BHC	3.393	3.340	3.440	10.920	10.000	9.2
beta-BHC	4.025	3.970	4.080	11.040	10.000	10.4
gamma-BHC (Lindane)	3.729	3.680	3.780	10.990	10.000	9.9
Endrin	5.789	5.720	5.860	46.590	50.000	-6.8
4,4'-DDT	6.183	6.110	6.250	89.560	100.000	-10.4
Methoxychlor	6.753	6.680	6.820	175.380	250.000	-29.8

PEM

Data File: PD089118.D **Date Acquired** 6/25/2025 9:25

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.57	196713867.1	204177188.6	7463321.5	**3.66**
Endrin aldehyde	6.92	2181344.545			
Endrin ketone	7.63	5281976.953			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.79	1011741574	1075244147	63502572.9	**5.91**
Endrin aldehyde #2	6.26	17520327.41			
Endrin ketone #2	6.99	45982245.48			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.02	347867967.6	357102925.3	9234957.73	**2.59**
4,4'-DDE	6.19	710034.33			
4,4'-DDD	6.70	8524923.396			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.18	1816311180	1872622519	56311338.2	**3.01**
4,4'-DDE #2	5.38	2742978.348			
4,4'-DDD #2	5.93	53568359.85			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 09:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:13:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.881	57498594	359.2E6	20.153	21.191
28)	SA Decachlor...	9.073	8.072	79906014	418.8E6	20.345	21.185
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	54444241	292.6E6	9.340	10.921
3)	MA gamma-BHC...	4.330	3.729	54077802	272.1E6	9.688	10.990
6)	B beta-BHC	4.516	4.025	22758391	118.7E6	10.311	11.043
12)	B 4,4'-DDE	6.194	5.375	710034	2742978	0.163m	0.120m#
14)	MA Endrin	6.574	5.789	196.7E6	1011.7E6	47.681	46.594
16)	A 4,4'-DDD	6.705	5.930	8524923	53568360	2.484	2.800
17)	MA 4,4'-DDT	7.021	6.183	347.9E6	1816.3E6	91.829	89.565
18)	B Endrin al...	6.916	6.257	2181345	17520327	0.712	1.144 #
20)	A Methoxychlor	7.493	6.753	418.4E6	1888.5E6	207.080	175.378
21)	B Endrin ke...	7.630	6.990	5281977	45982245	1.297	2.129 #

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 09:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

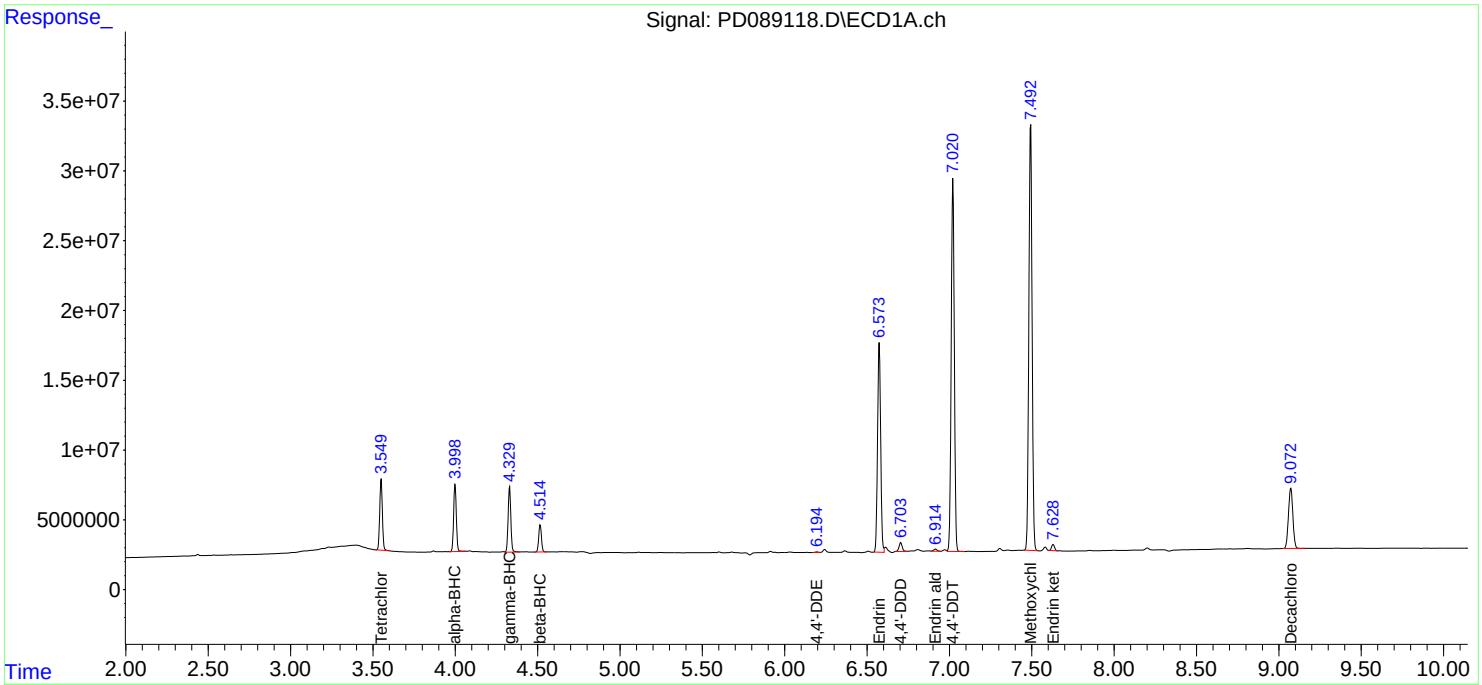
Instrument :
ECD_D
ClientSampleId :
PEM

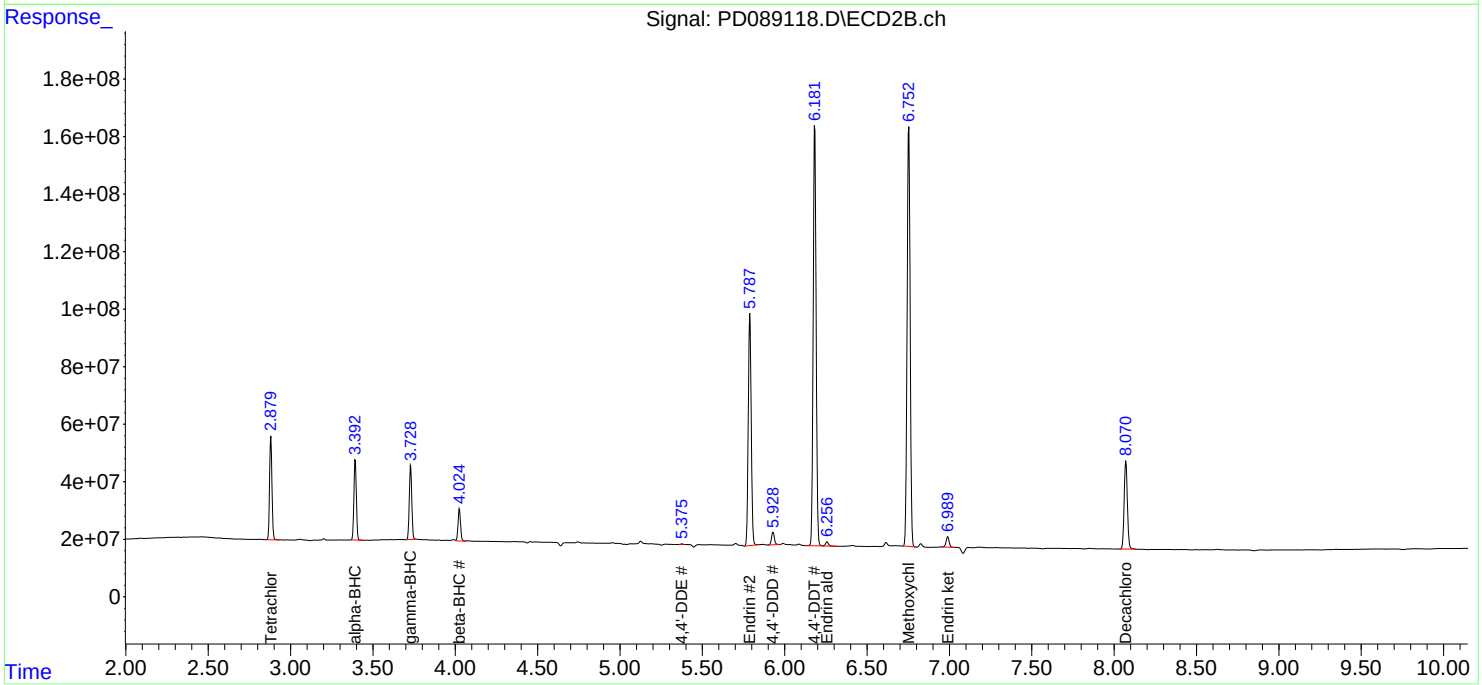
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:13:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

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

Client Sample No. (PEM): PEM - PD089145.D **Date Analyzed:** 06/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:02

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	20.450	20.000	2.3
Tetrachloro-m-xylene	3.550	3.500	3.600	20.140	20.000	0.7
alpha-BHC	3.999	3.950	4.050	9.260	10.000	-7.4
beta-BHC	4.515	4.460	4.570	10.200	10.000	2.0
gamma-BHC (Lindane)	4.330	4.280	4.380	9.720	10.000	-2.8
Endrin	6.574	6.500	6.640	47.960	50.000	-4.1
4,4'-DDT	7.021	6.950	7.090	91.290	100.000	-8.7
Methoxychlor	7.492	7.420	7.560	206.430	250.000	-17.4

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

Client Sample No. (PEM): PEM - PD089145.D **Date Analyzed:** 06/25/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:02

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.970	8.170	20.280	20.000	1.4
Tetrachloro-m-xylene	2.881	2.830	2.930	20.900	20.000	4.5
alpha-BHC	3.393	3.340	3.440	10.770	10.000	7.7
beta-BHC	4.025	3.970	4.080	10.780	10.000	7.8
gamma-BHC (Lindane)	3.729	3.680	3.780	10.840	10.000	8.4
Endrin	5.789	5.720	5.860	47.420	50.000	-5.2
4,4'-DDT	6.183	6.110	6.250	88.830	100.000	-11.2
Methoxychlor	6.754	6.680	6.820	180.220	250.000	-27.9

PEM

Data File: PD089145.D **Date Acquired** 6/25/2025 19:02

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.57	197869267.5	206116153.7	8246886.21	**4.00**
Endrin aldehyde	6.92	2455530.209			
Endrin ketone	7.63	5791356.001			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1029767260	1090857082	61089821.9	**5.60**
Endrin aldehyde #2	6.26	16630266.47			
Endrin ketone #2	6.99	44459555.47			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	345811230.3	355686363.8	9875133.56	**2.78**
4,4'-DDE	6.19	544401.422			
4,4'-DDD	6.70	9330732.137			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1801321787	1857772082	56450295	**3.04**
4,4'-DDE #2	5.37	2474288.042			
4,4'-DDD #2	5.93	53976006.99			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 19:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:14:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	57472083	354.3E6	20.144	20.898
28)	SA Decachlor...	9.071	8.072	80339028	401.0E6	20.455	20.282
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	53967517	288.6E6	9.258	10.769
3)	MA gamma-BHC...	4.330	3.729	54244373	268.5E6	9.718	10.845
6)	B beta-BHC	4.515	4.025	22520746	115.9E6	10.204	10.781
12)	B 4,4'-DDE	6.194	5.375	544401	2474288	0.125m	0.108m
14)	MA Endrin	6.574	5.789	197.9E6	1029.8E6	47.961	47.424
16)	A 4,4'-DDD	6.704	5.929	9330732	53976007	2.719	2.822
17)	MA 4,4'-DDT	7.021	6.183	345.8E6	1801.3E6	91.286	88.825
18)	B Endrin al...	6.916	6.257	2455530	16630266	0.801	1.086 #
20)	A Methoxychlor	7.492	6.754	417.1E6	1940.7E6	206.433	180.225
21)	B Endrin ke...	7.628	6.989	5791356	44459555	1.422m	2.058m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 19:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

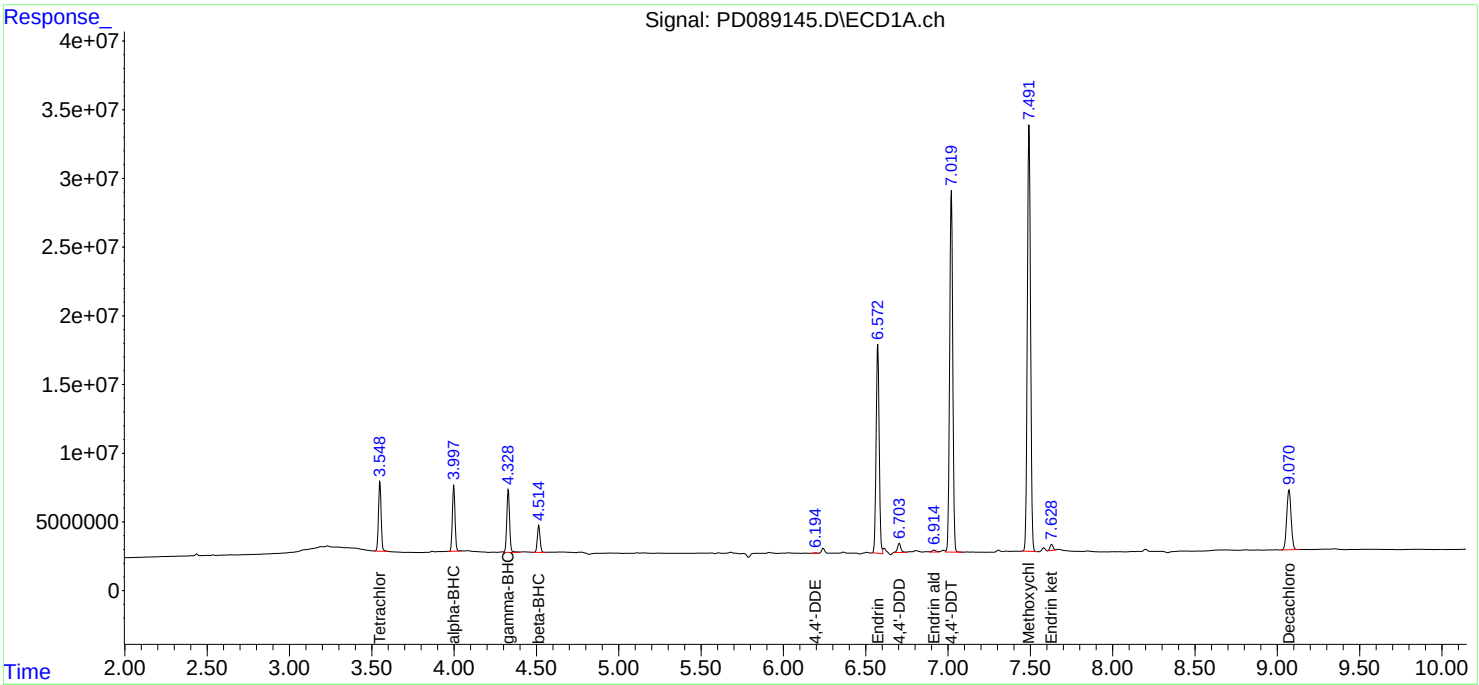
Instrument :
ECD_D
ClientSampleId :
PEM

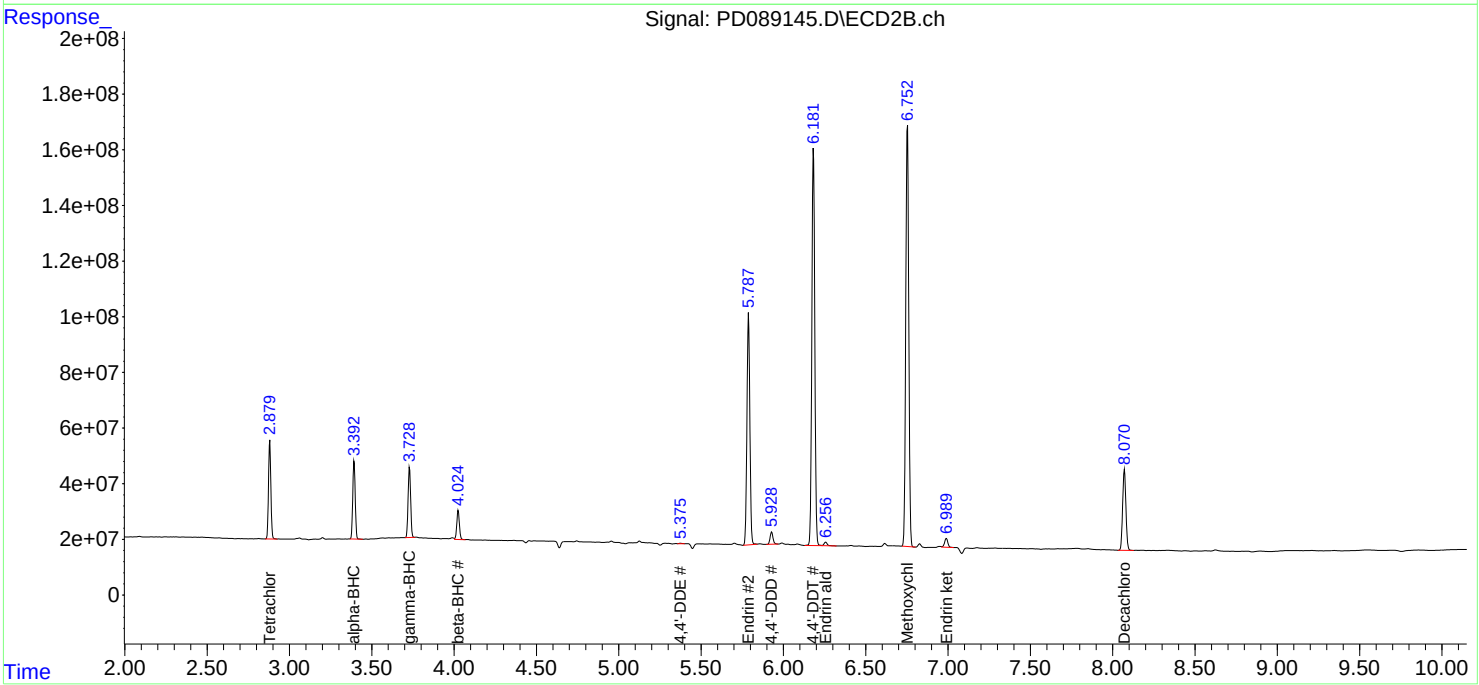
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:14:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Analytical Sequence

Client: Union Paving & Construction Company **SDG No.:** Q2393

Project: 190 Park Ave Hanover Twp NJ - PO 2556-00 **Instrument ID:** ECD_D

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	9.07	3.55
PEM	PEM	06/17/2025	15:25	PD088991.D	9.07	3.55
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	9.07	3.55
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	9.07	3.55
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	9.07	3.55
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	9.07	3.55
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	9.07	3.55
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	9.07	3.55
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	9.07	3.55
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	9.07	3.55
PEM	PEM	06/25/2025	09:25	PD089118.D	9.07	3.55
I.BLK	I.BLK	06/25/2025	15:58	PD089133.D	9.08	3.55
PSTDCCC050	PSTDCCC050	06/25/2025	16:12	PD089134.D	9.07	3.55
PB168608BL	PB168608BL	06/25/2025	16:59	PD089136.D	9.07	3.55
PB168608BS	PB168608BS	06/25/2025	17:13	PD089137.D	9.07	3.55
PARK AVE -1	Q2393-01	06/25/2025	17:54	PD089140.D	9.07	3.55
PARK AVE -1MS	Q2393-01MS	06/25/2025	18:07	PD089141.D	9.07	3.55
PARK AVE -1MSD	Q2393-01MSD	06/25/2025	18:21	PD089142.D	9.07	3.55
PARK AVE -2	Q2393-03	06/25/2025	18:35	PD089143.D	9.07	3.55
I.BLK	I.BLK	06/25/2025	18:48	PD089144.D	9.07	3.55
PEM	PEM	06/25/2025	19:02	PD089145.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/25/2025	19:15	PD089146.D	9.07	3.55
PARK AVE -3	Q2393-05	06/25/2025	19:57	PD089147.D	9.07	3.55
PARK AVE -4	Q2393-07	06/25/2025	20:10	PD089148.D	9.07	3.55
PARK AVE -5	Q2393-09	06/25/2025	20:24	PD089149.D	9.07	3.55
PARK AVE -6	Q2393-11	06/25/2025	20:37	PD089150.D	9.07	3.55
I.BLK	I.BLK	06/25/2025	21:32	PD089154.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/25/2025	22:40	PD089155.D	9.07	3.55

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

Analytical Sequence

Client: Union Paving & Construction Company **SDG No.:** Q2393

Project: 190 Park Ave Hanover Twp NJ - PO 2556-00 **Instrument ID:** ECD_D

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	8.07	2.88
PEM	PEM	06/17/2025	15:25	PD088991.D	8.07	2.88
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	8.07	2.88
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	8.07	2.88
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	8.07	2.88
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	8.07	2.88
PEM	PEM	06/25/2025	09:25	PD089118.D	8.07	2.88
I.BLK	I.BLK	06/25/2025	15:58	PD089133.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/25/2025	16:12	PD089134.D	8.07	2.88
PB168608BL	PB168608BL	06/25/2025	16:59	PD089136.D	8.07	2.88
PB168608BS	PB168608BS	06/25/2025	17:13	PD089137.D	8.07	2.88
PARK AVE -1	Q2393-01	06/25/2025	17:54	PD089140.D	8.07	2.88
PARK AVE -1MS	Q2393-01MS	06/25/2025	18:07	PD089141.D	8.07	2.88
PARK AVE -1MSD	Q2393-01MSD	06/25/2025	18:21	PD089142.D	8.07	2.88
PARK AVE -2	Q2393-03	06/25/2025	18:35	PD089143.D	8.07	2.88
I.BLK	I.BLK	06/25/2025	18:48	PD089144.D	8.07	2.88
PEM	PEM	06/25/2025	19:02	PD089145.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/25/2025	19:15	PD089146.D	8.07	2.88
PARK AVE -3	Q2393-05	06/25/2025	19:57	PD089147.D	8.07	2.88
PARK AVE -4	Q2393-07	06/25/2025	20:10	PD089148.D	8.07	2.88
PARK AVE -5	Q2393-09	06/25/2025	20:24	PD089149.D	8.07	2.88
PARK AVE -6	Q2393-11	06/25/2025	20:37	PD089150.D	8.07	2.88
I.BLK	I.BLK	06/25/2025	21:32	PD089154.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/25/2025	22:40	PD089155.D	8.07	2.88

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -1MS

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: Q2393-01MS **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	16.6	1.8
	2	6.08	6.03	6.13	16.9	
4,4'-DDD	1	6.71	6.66	6.76	17.6	1.7
	2	5.93	5.88	5.98	17.3	
4,4'-DDT	1	7.02	6.97	7.07	15.8	1.3
	2	6.18	6.13	6.23	16.0	
alpha-BHC	1	4.00	3.95	4.05	18.0	0
	2	3.39	3.34	3.44	18.0	
Aldrin	1	5.27	5.22	5.32	17.8	0.6
	2	4.37	4.32	4.42	17.9	
beta-BHC	1	4.52	4.47	4.57	17.3	2.3
	2	4.03	3.98	4.08	17.7	
delta-BHC	1	4.76	4.71	4.81	18.8	4.3
	2	4.26	4.21	4.31	18.0	
Endosulfan I	1	6.07	6.02	6.12	17.3	1.7
	2	5.25	5.20	5.30	17.6	
alpha-Chlordane	1	6.03	5.98	6.08	17.3	1.7
	2	5.19	5.14	5.24	17.6	
4,4'-DDE	1	6.20	6.15	6.25	17.1	1.2
	2	5.38	5.33	5.43	17.3	
Dieldrin	1	6.35	6.30	6.40	17.4	0.6
	2	5.51	5.46	5.56	17.5	
Endrin aldehyde	1	6.92	6.87	6.97	17.2	2.4
	2	6.26	6.21	6.31	16.8	
Endosulfan sulfate	1	7.15	7.10	7.20	16.7	0.6
	2	6.48	6.43	6.53	16.6	
Methoxychlor	1	7.49	7.44	7.54	15.6	1.3
	2	6.75	6.70	6.80	15.4	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -1MS

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: Q2393-01MS **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	17.0	3.6
	2	6.99	6.94	7.04	16.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.0	0
	2	3.73	3.68	3.78	18.0	
Heptachlor	1	4.93	4.88	4.98	17.3	0.6
	2	4.08	4.03	4.13	17.4	
Heptachlor epoxide	1	5.69	5.64	5.74	17.4	1.1
	2	4.87	4.82	4.92	17.6	
gamma-Chlordane	1	5.95	5.90	6.00	17.1	2.9
	2	5.13	5.08	5.18	17.6	
Endrin	1	6.57	6.52	6.62	16.6	4.7
	2	5.79	5.74	5.84	17.4	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -1MSD

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: Q2393-01MSD **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	16.7	2.4
	2	6.08	6.03	6.13	17.1	
4,4'-DDD	1	6.70	6.65	6.75	17.8	6.4
	2	5.93	5.88	5.98	16.7	
4,4'-DDT	1	7.02	6.97	7.07	16.1	1.2
	2	6.18	6.13	6.23	16.3	
Endrin aldehyde	1	6.91	6.86	6.96	17.4	1.7
	2	6.26	6.21	6.31	17.1	
Endosulfan sulfate	1	7.15	7.10	7.20	16.9	0.6
	2	6.48	6.43	6.53	16.8	
Methoxychlor	1	7.49	7.44	7.54	15.7	0
	2	6.75	6.70	6.80	15.7	
Endrin ketone	1	7.63	7.58	7.68	17.1	2.4
	2	6.99	6.94	7.04	16.7	
alpha-BHC	1	4.00	3.95	4.05	17.9	0.6
	2	3.39	3.34	3.44	18.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.9	0.6
	2	3.73	3.68	3.78	18.0	
Heptachlor	1	4.93	4.88	4.98	17.4	0
	2	4.08	4.03	4.13	17.4	
Aldrin	1	5.27	5.22	5.32	17.8	0.6
	2	4.37	4.32	4.42	17.9	
beta-BHC	1	4.52	4.47	4.57	17.5	1.7
	2	4.03	3.98	4.08	17.8	
delta-BHC	1	4.76	4.71	4.81	18.8	4.9
	2	4.26	4.21	4.31	17.9	
Heptachlor epoxide	1	5.69	5.64	5.74	17.4	1.7
	2	4.87	4.82	4.92	17.7	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -1MSD

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: Q2393-01MSD **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	17.6	0.6
	2	5.25	5.20	5.30	17.7	
gamma-Chlordane	1	5.94	5.89	5.99	17.2	2.9
	2	5.13	5.08	5.18	17.7	
alpha-Chlordane	1	6.03	5.98	6.08	17.5	0.6
	2	5.19	5.14	5.24	17.6	
4,4'-DDE	1	6.20	6.15	6.25	17.5	0.6
	2	5.37	5.32	5.42	17.4	
Dieldrin	1	6.35	6.30	6.40	17.4	0.6
	2	5.51	5.46	5.56	17.5	
Endrin	1	6.57	6.52	6.62	17.2	1.2
	2	5.79	5.74	5.84	17.0	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -3

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: Q2393-05 **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	0.70	60
	2	5.93	5.88	5.98	0.38	
4,4'-DDT	1	7.02	6.97	7.07	0.40	27.9
	2	6.18	6.13	6.23	0.53	
gamma-Chlordane	1	5.95	5.90	6.00	0.73	30.5
	2	5.12	5.07	5.17	0.53	
alpha-Chlordane	1	6.03	5.98	6.08	1.10	54.9
	2	5.19	5.14	5.24	0.63	
4,4'-DDE	1	6.20	6.15	6.25	0.27	51.6
	2	5.37	5.32	5.42	0.45	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -4

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: Q2393-07 **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.28	26
	2	6.18	6.13	6.23	0.22	
gamma-Chlordane	1	5.94	5.89	5.99	0.25	27.1
	2	5.12	5.07	5.17	0.19	
alpha-Chlordane	1	6.03	5.98	6.08	0.55	47.2
	2	5.19	5.14	5.24	0.34	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -5

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: Q2393-09 **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.16	54.5
	2	6.18	6.13	6.23	0.28	
Aldrin	1	5.27	5.22	5.32	0.13	34.5
	2	4.37	4.32	4.42	0.19	
gamma-Chlordane	1	5.94	5.89	5.99	0.35	34.1
	2	5.12	5.07	5.17	0.25	
alpha-Chlordane	1	6.03	5.98	6.08	0.56	37.2
	2	5.19	5.14	5.24	0.38	
4,4'-DDE	1	6.19	6.14	6.24	0.27	29.3
	2	5.37	5.32	5.42	0.36	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PARK AVE -6

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: Q2393-11 **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	0.38	41.5
	2	5.12	5.07	5.17	0.25	
alpha-Chlordane	1	6.03	5.98	6.08	0.61	28
	2	5.19	5.14	5.24	0.46	
4,4'-DDE	1	6.20	6.15	6.25	0.19	40
	2	5.37	5.32	5.42	0.29	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168608BS

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: PB168608BS **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	16.6	0
	2	5.93	5.88	5.98	16.6	
4,4'-DDE	1	6.20	6.15	6.25	16.2	0.6
	2	5.38	5.33	5.43	16.1	
4,4'-DDT	1	7.02	6.97	7.07	15.1	0.7
	2	6.18	6.13	6.23	15.0	
alpha-BHC	1	4.00	3.95	4.05	16.1	0.6
	2	3.39	3.34	3.44	16.2	
Aldrin	1	5.27	5.22	5.32	16.3	0
	2	4.37	4.32	4.42	16.3	
alpha-Chlordane	1	6.03	5.98	6.08	16.0	0.6
	2	5.19	5.14	5.24	16.1	
Endosulfan II	1	6.79	6.74	6.84	16.3	1.9
	2	6.08	6.03	6.13	16.0	
Endosulfan sulfate	1	7.15	7.10	7.20	16.0	0.6
	2	6.48	6.43	6.53	15.9	
beta-BHC	1	4.52	4.47	4.57	15.5	3.2
	2	4.03	3.98	4.08	16.0	
delta-BHC	1	4.76	4.71	4.81	17.0	4.2
	2	4.26	4.21	4.31	16.3	
Endosulfan I	1	6.07	6.02	6.12	16.1	1.2
	2	5.25	5.20	5.30	16.3	
Dieldrin	1	6.35	6.30	6.40	16.2	0.6
	2	5.51	5.46	5.56	16.1	
Endrin aldehyde	1	6.92	6.87	6.97	15.9	0.6
	2	6.26	6.21	6.31	15.8	
Methoxychlor	1	7.49	7.44	7.54	14.3	2.8
	2	6.75	6.70	6.80	14.7	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168608BS

Contract: UNIO02

Lab Code: CHEM **Case No.:** Q2393 **SAS No.:** Q2393 **SDG NO.:** Q2393

Lab Sample ID: PB168608BS **Date(s) Analyzed:** 06/25/2025 06/25/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	16.4	0.6
	2	6.99	6.94	7.04	16.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.0	1.2
	2	3.73	3.68	3.78	16.2	
Heptachlor	1	4.93	4.88	4.98	15.8	0.6
	2	4.08	4.03	4.13	15.7	
Heptachlor epoxide	1	5.69	5.64	5.74	16.0	1.2
	2	4.87	4.82	4.92	16.2	
gamma-Chlordane	1	5.95	5.90	6.00	16.1	1.2
	2	5.13	5.08	5.18	16.3	
Endrin	1	6.57	6.52	6.62	15.2	1.3
	2	5.79	5.74	5.84	15.0	

QC SAMPLE DATA

Raw Data: **PD089136.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168608BL	SDG No.:	Q2393
Lab Sample ID:	PB168608BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089136.D	1	06/25/25 08:45	06/25/25 16:59	PB168608

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	19.3		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		19 - 148	94%	SPK: 20

Raw Data: **PD089136.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168608BL	SDG No.:	Q2393
Lab Sample ID:	PB168608BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089136.D	1	06/25/25 08:45	06/25/25 16:59	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089136.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 16:59
Operator : AR\AJ
Sample : PB168608BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168608BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	48891301	318.4E6	17.136	18.782
28)	SA Decachlor...	9.073	8.072	73640650	380.9E6	18.749	19.265
	Target Compounds						

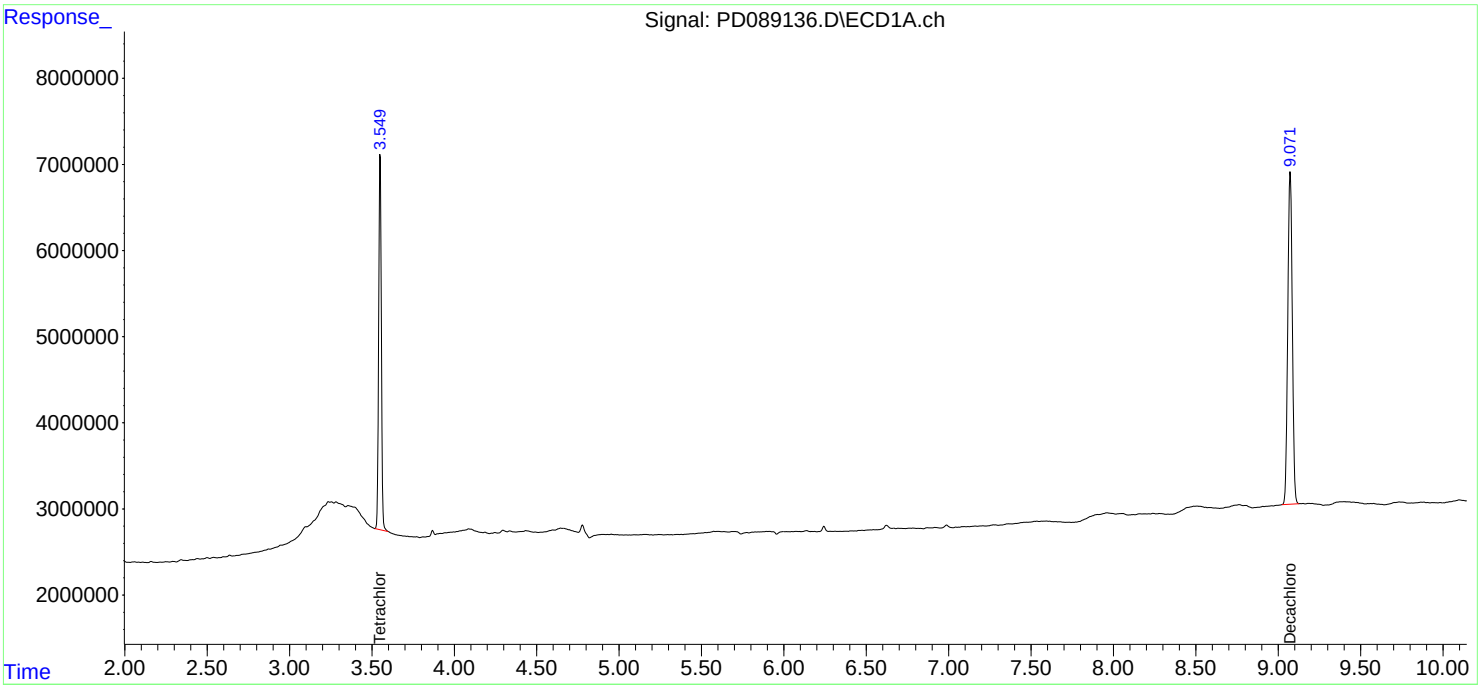
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

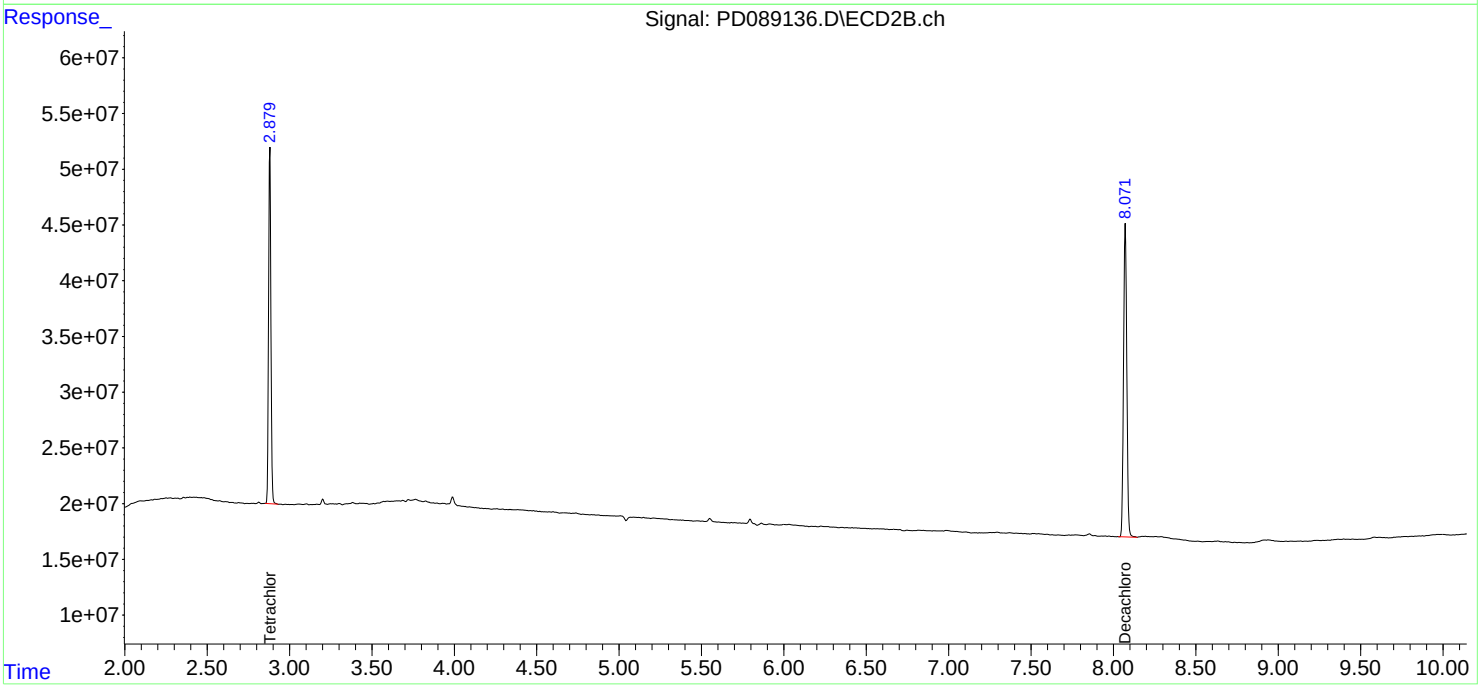
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 16:59
Operator : AR\AJ
Sample : PB168608BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

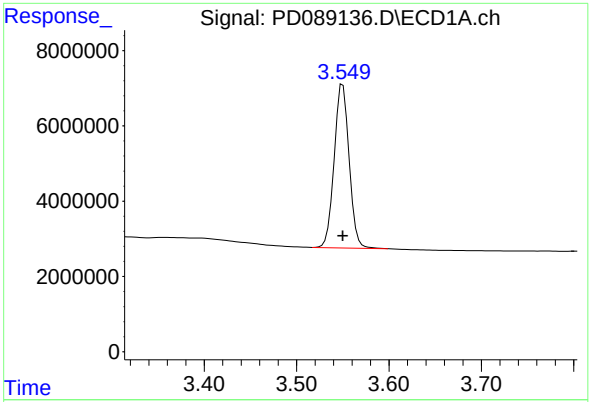
Instrument :
ECD_D
ClientSampleId :
PB168608BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



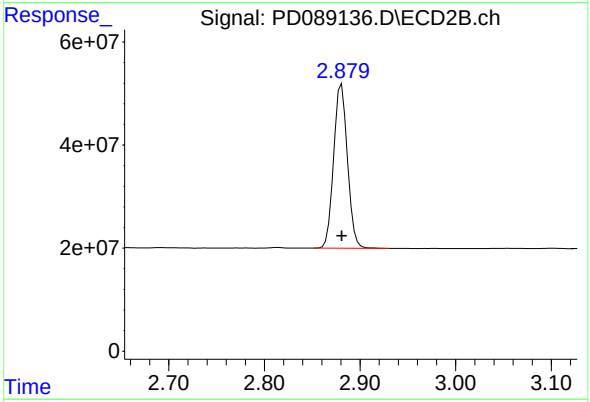




#1 Tetrachloro-m-xylene

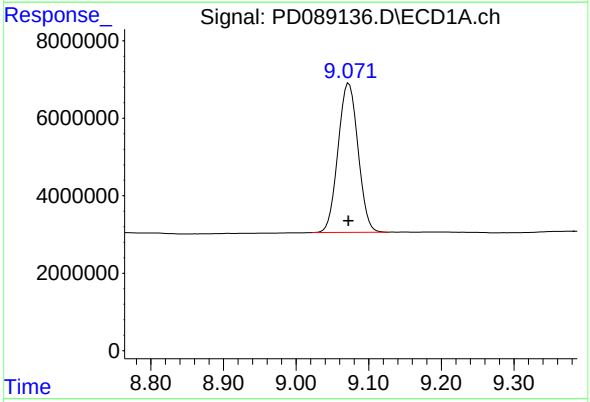
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 48891301
Conc: 17.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168608BL



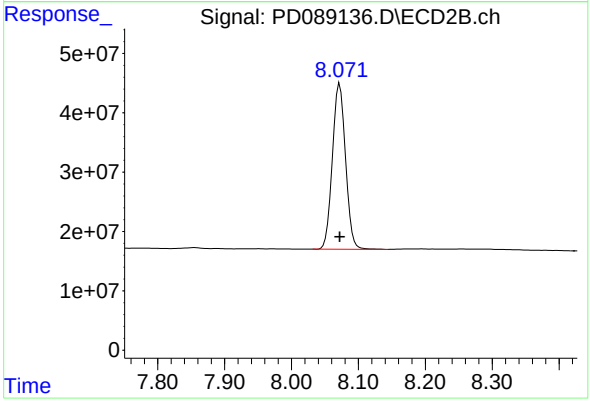
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 318421112
Conc: 18.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 73640650
Conc: 18.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 380875865
Conc: 19.27 ng/ml

Raw Data: **PD088990.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/17/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD088990.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
PD088990.D	1		06/17/25	PD061825

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	18.6		57 - 171	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		61 - 148	88%	SPK: 20

Raw Data: **PD088990.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/17/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD088990.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
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD088990.D**

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

Instrument :
ECD_D
ClientSampleId :
I.BLK

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.881	45828945	299.5E6	16.063	17.668
28)	SA Decachlor...	9.072	8.072	71428242	368.1E6	18.186	18.617
	Target Compounds						

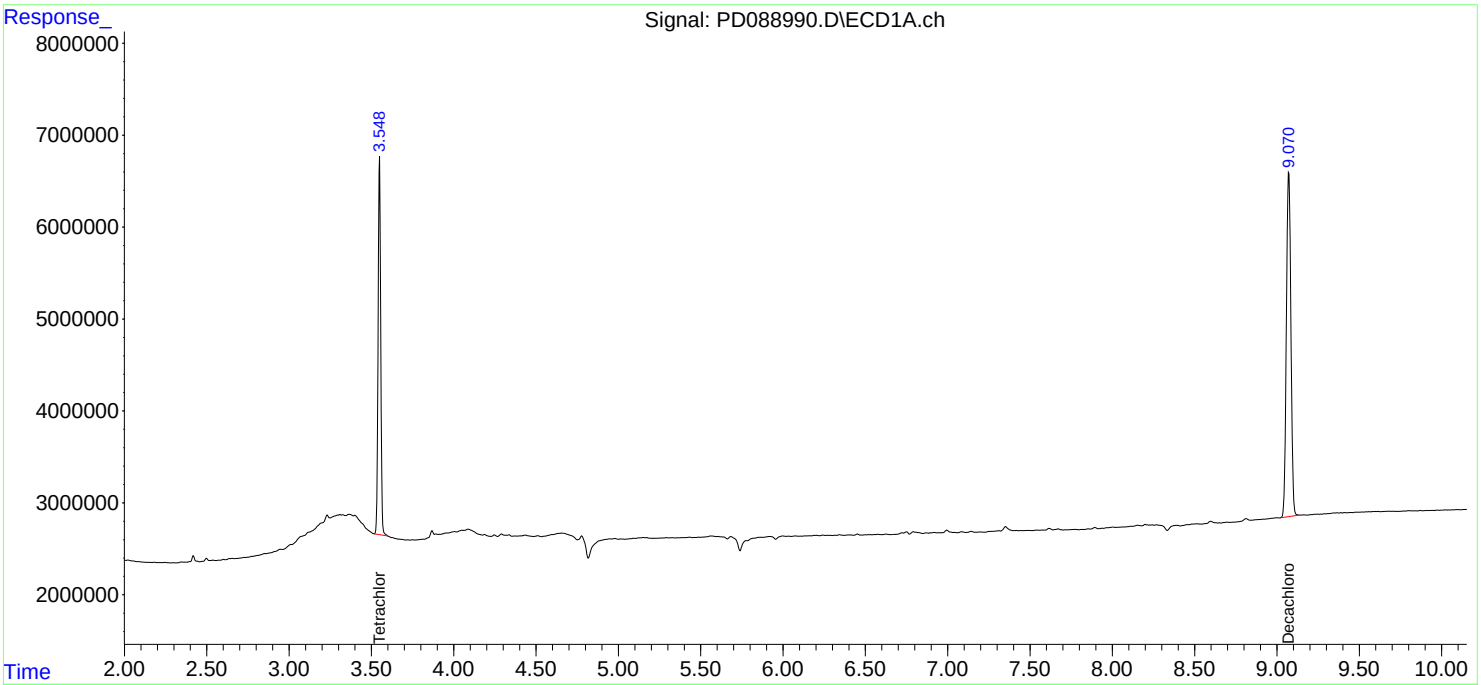
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

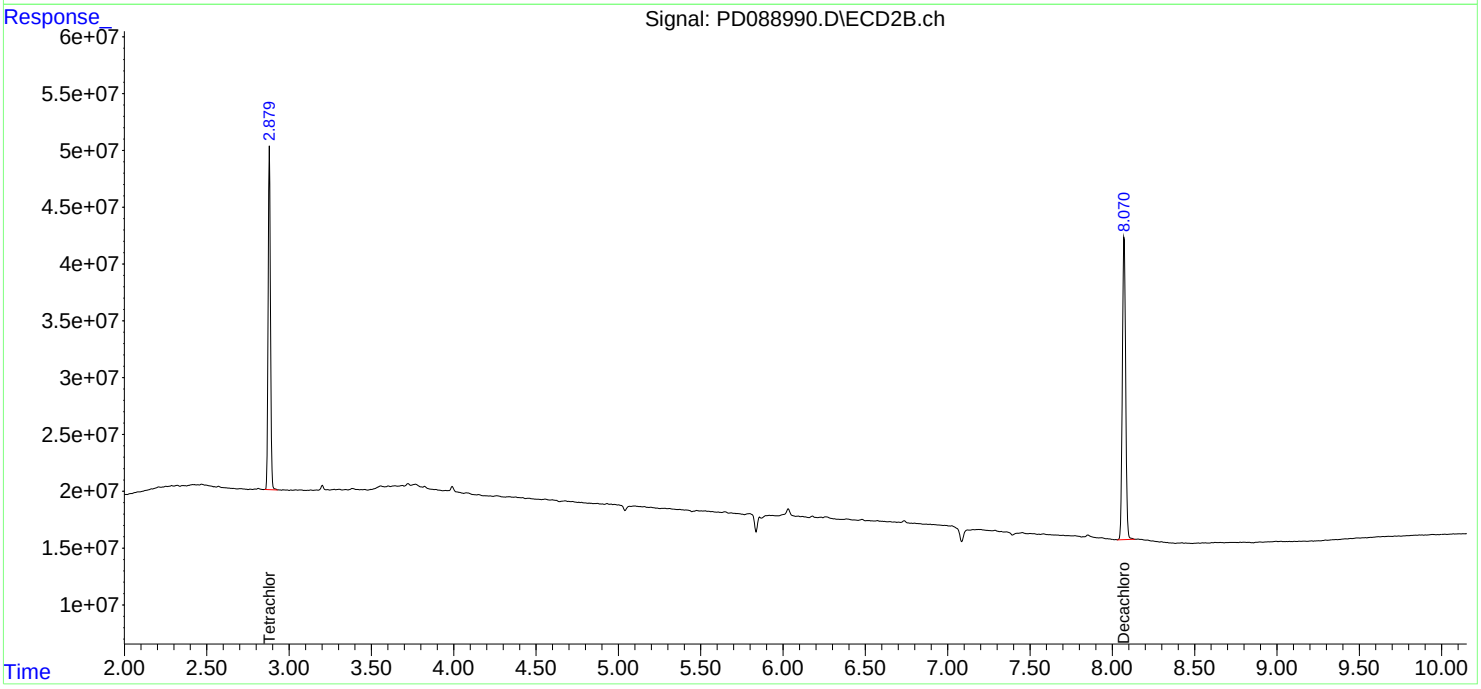
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

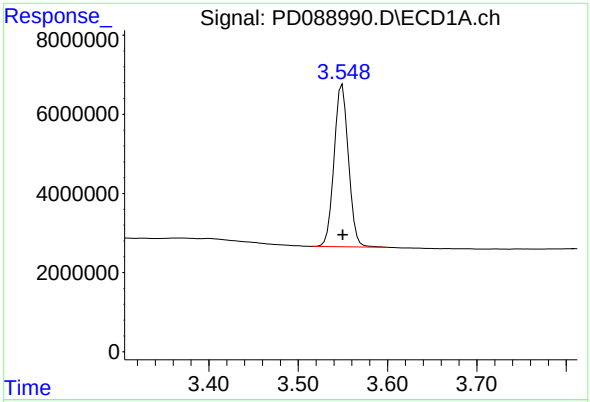
Instrument :
ECD_D
ClientSampleId :
I.BLK

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

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



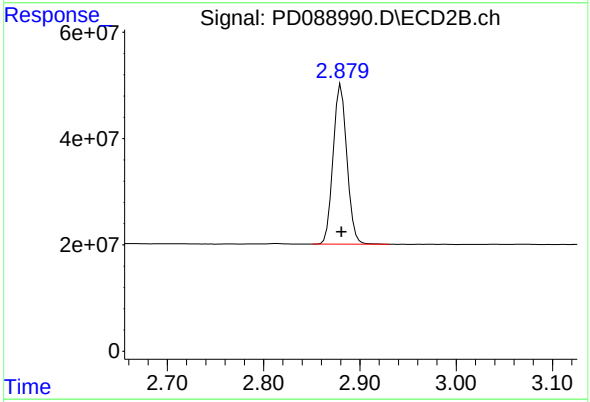




#1 Tetrachloro-m-xylene

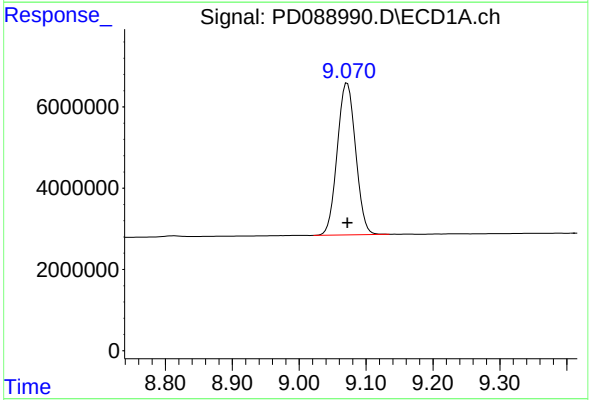
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45828945
Conc: 16.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



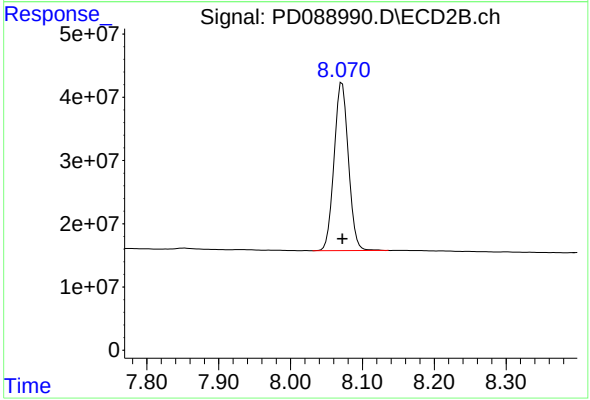
#1 Tetrachloro-m-xylene

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



#28 Decachlorobiphenyl

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



#28 Decachlorobiphenyl

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

Raw Data: **PD089133.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089133.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089133.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
PD089133.D	1		06/25/25	pd062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		61 - 148	105%	SPK: 20

Raw Data: **PD089133.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089133.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089133.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
PD089133.D	1		06/25/25	pd062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089133.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 15:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:13:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.554	2.881	54747344	356.7E6	19.189	21.039
28)	SA Decachlor...	9.077	8.072	78298706	411.2E6	19.935	20.800
	Target Compounds						

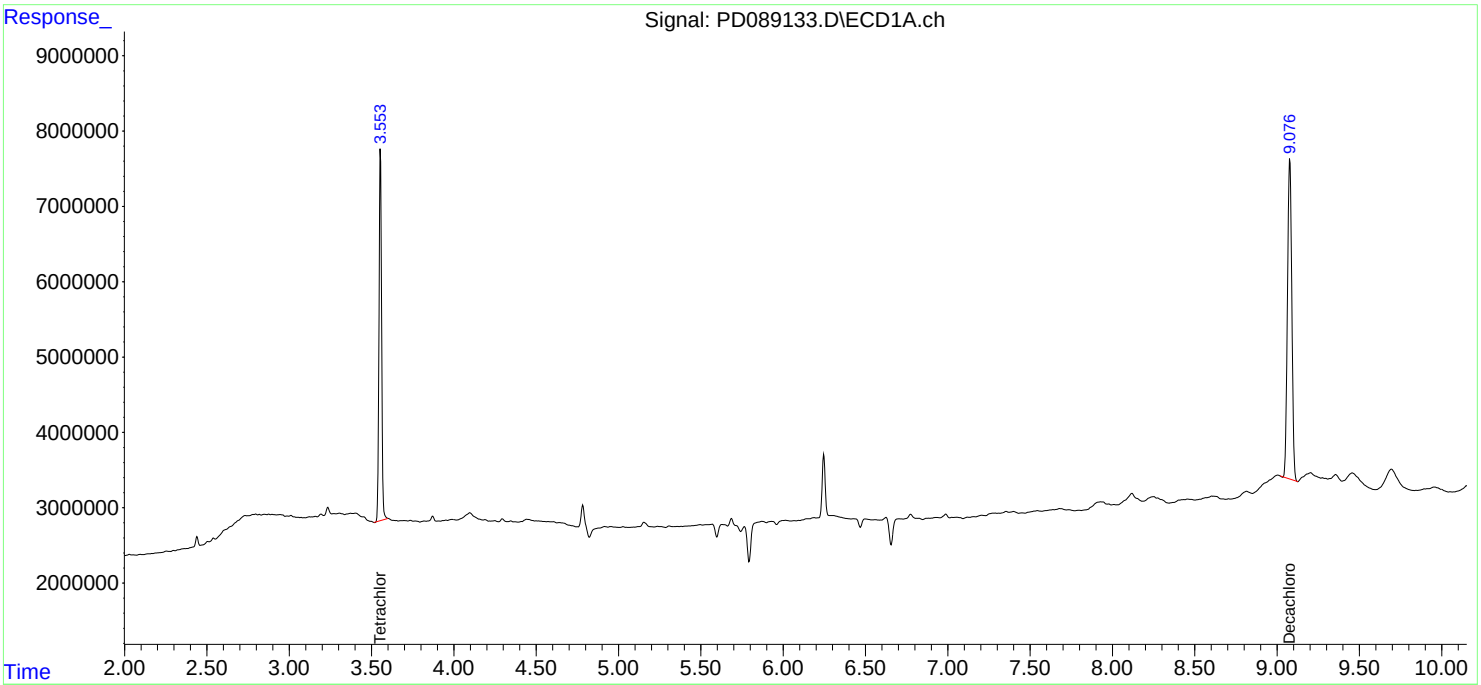
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

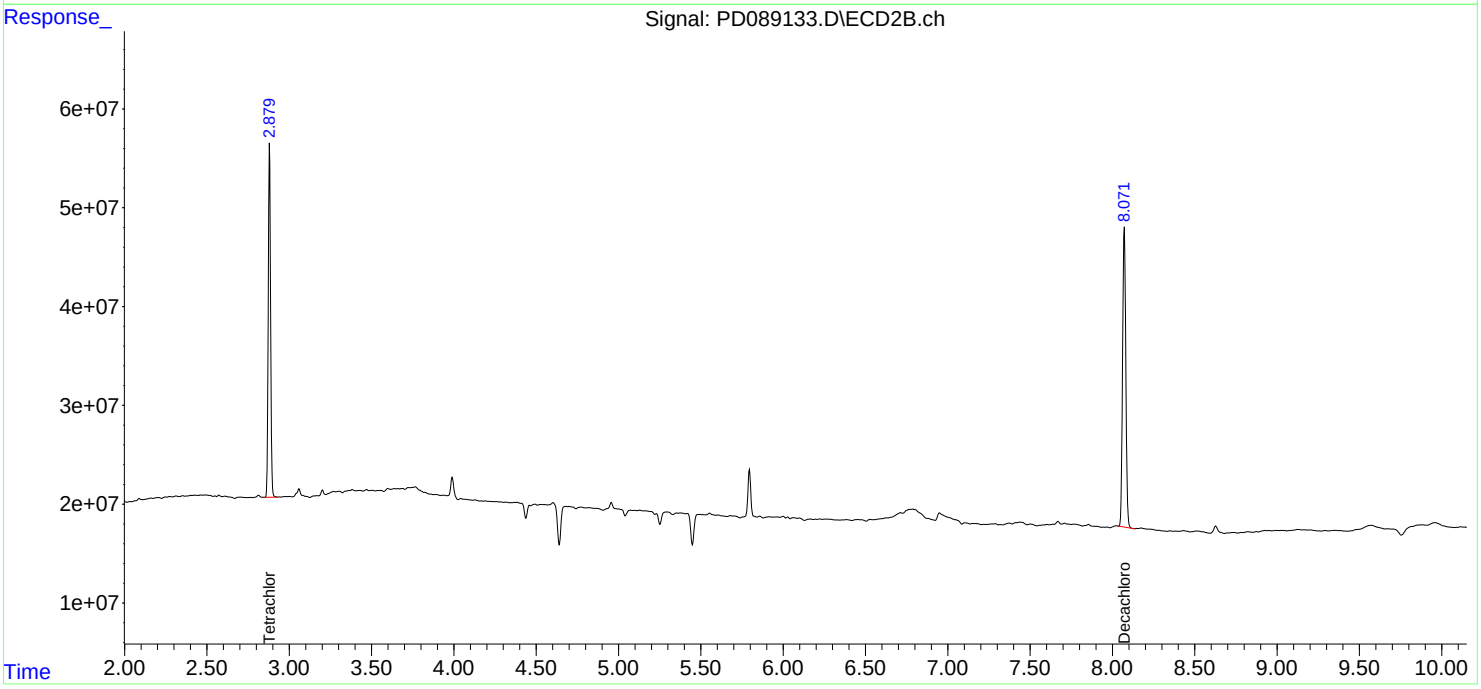
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 15:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

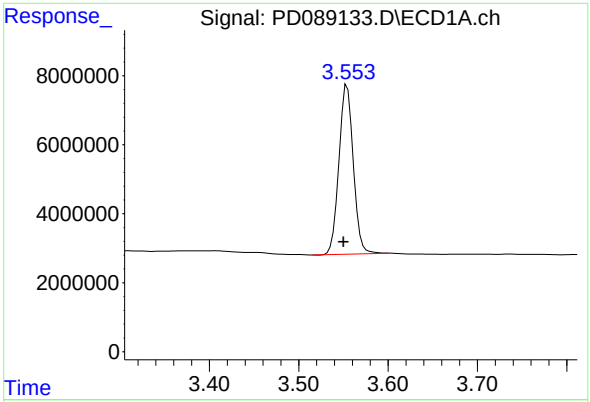
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:13:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



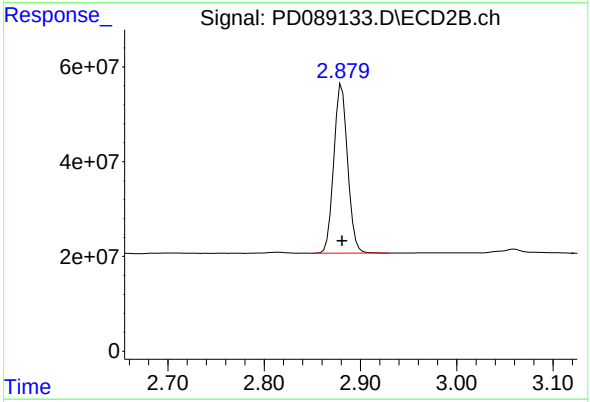




#1 Tetrachloro-m-xylene

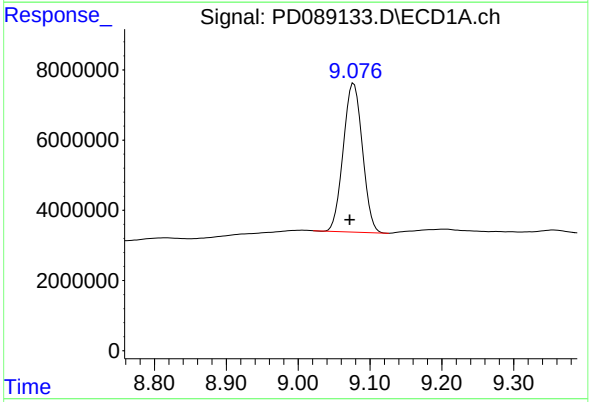
R.T.: 3.554 min
Delta R.T.: 0.004 min
Response: 54747344
Conc: 19.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



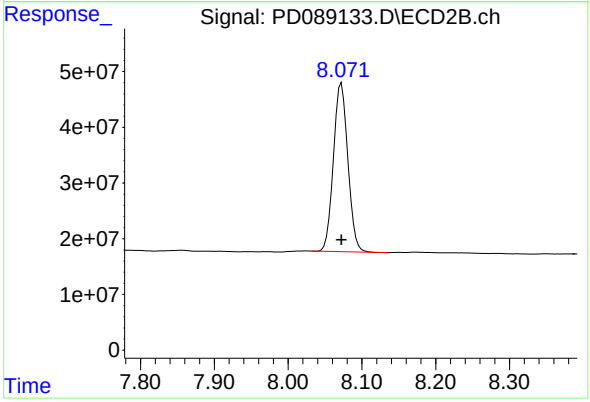
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 356682774
Conc: 21.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.005 min
Response: 78298706
Conc: 19.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 411223698
Conc: 20.80 ng/ml

Raw Data: **PD089144.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089144.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089144.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
PD089144.D	1		06/25/25	pd062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		61 - 148	105%	SPK: 20

Raw Data: **PD089144.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089144.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089144.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
PD089144.D	1		06/25/25	pd062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:14:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	55773294	356.1E6	19.548	21.007
28)	SA Decachlor...	9.072	8.072	81432820	410.6E6	20.733	20.769
	Target Compounds						

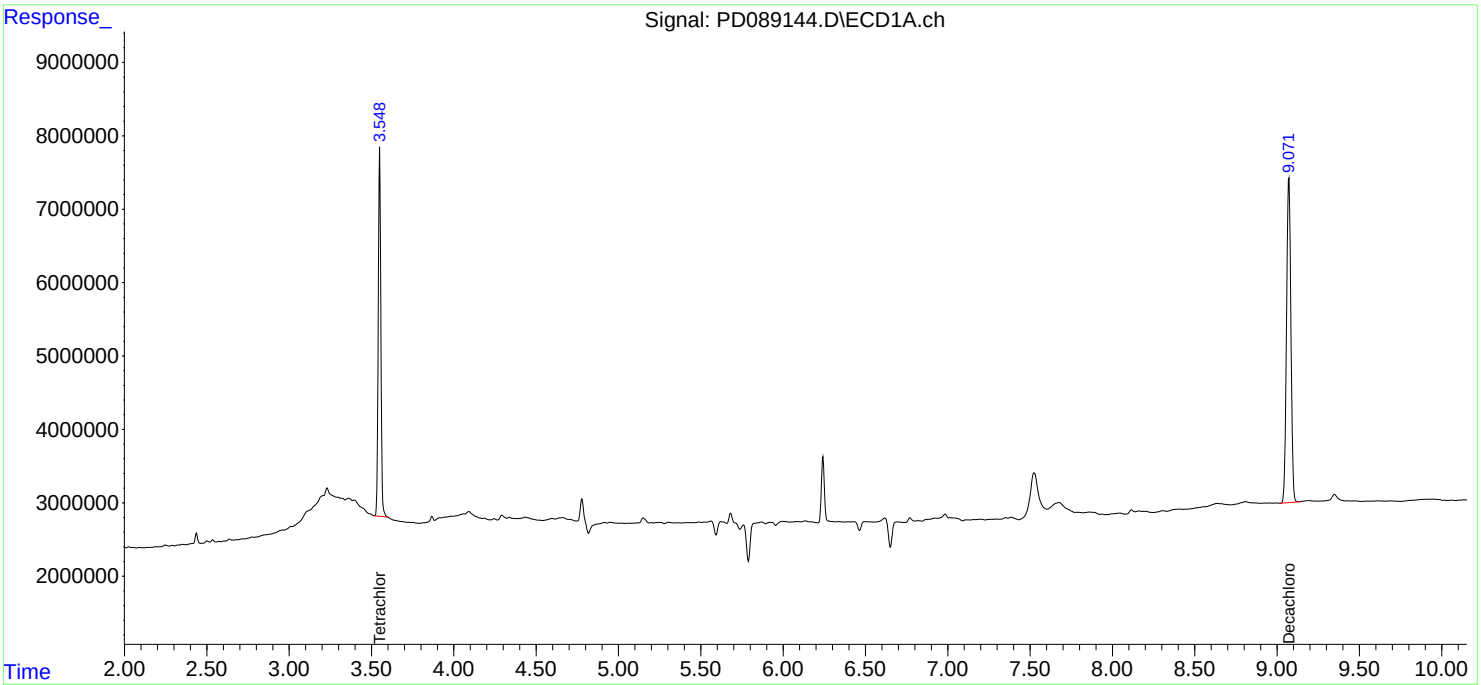
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

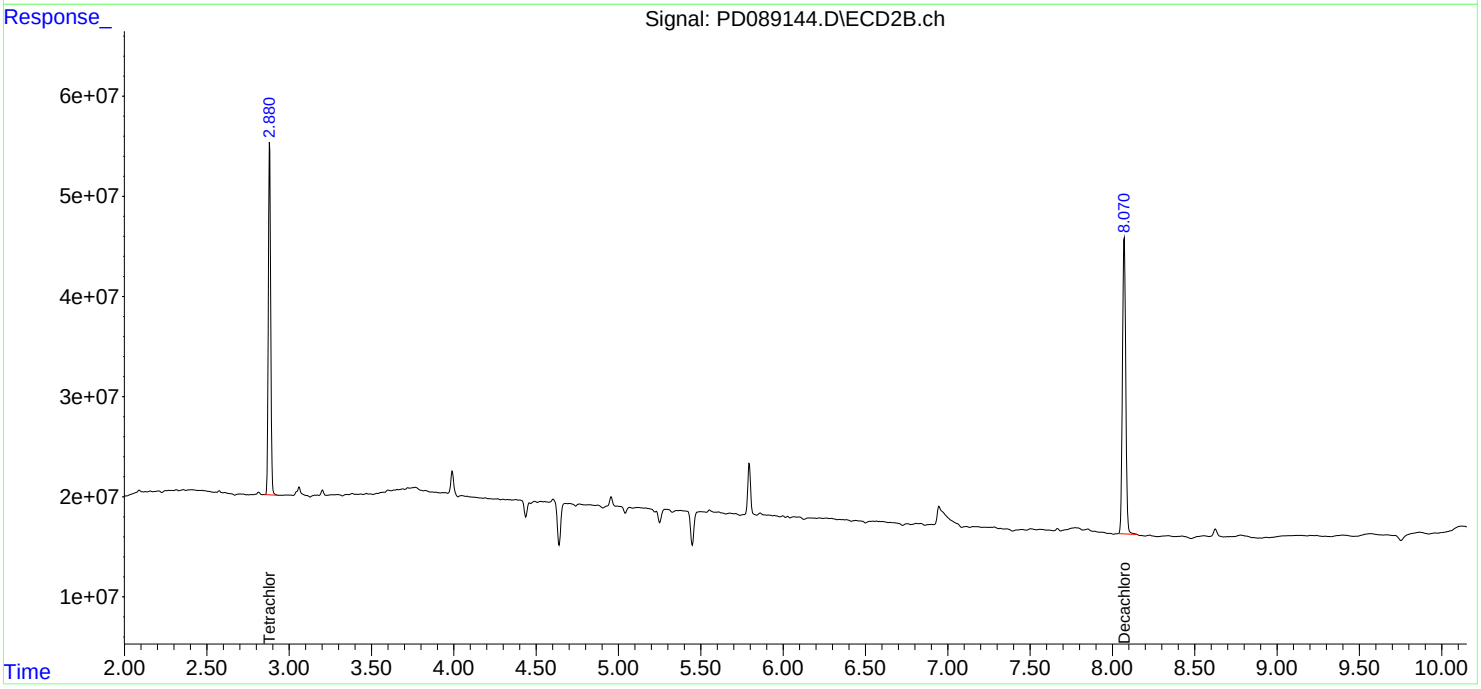
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

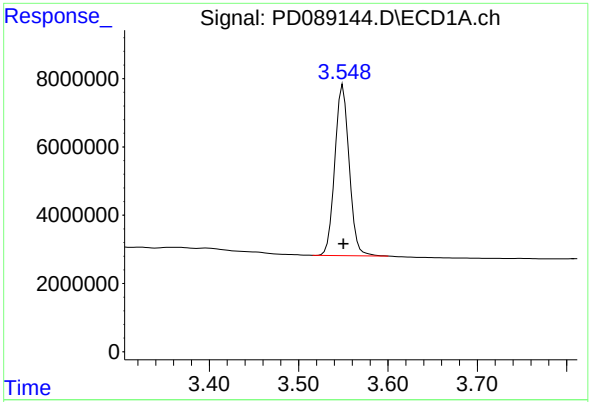
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:14:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



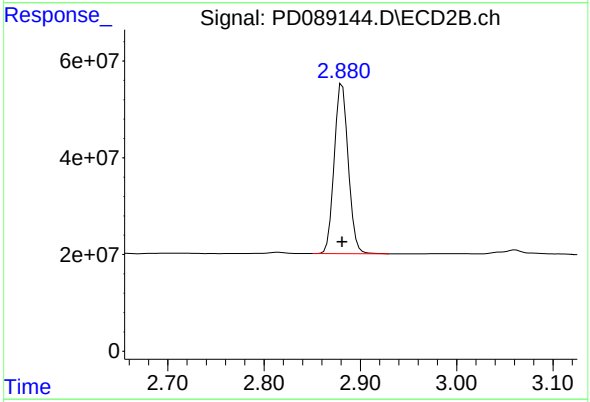




#1 Tetrachloro-m-xylene

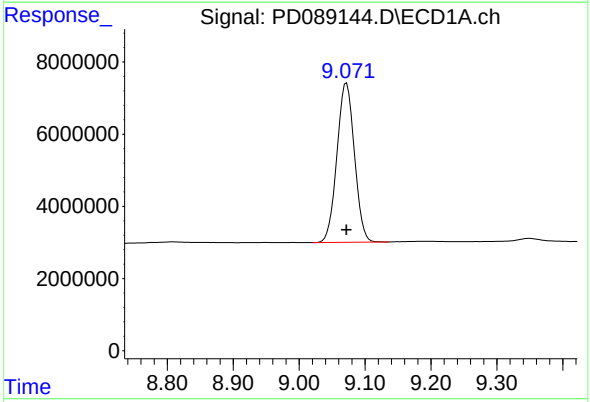
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 55773294
Conc: 19.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



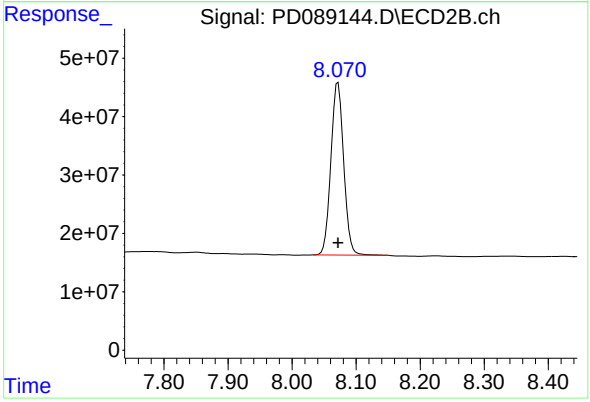
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 356140567
Conc: 21.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 81432820
Conc: 20.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 410594526
Conc: 20.77 ng/ml

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089154.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089154.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
PD089154.D	1		06/25/25	pd062525

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	15.6		57 - 171	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		61 - 148	106%	SPK: 20

Raw Data: **PD089154.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/25/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/25/25
Client Sample ID:	PIBLK-PD089154.D	SDG No.:	Q2393
Lab Sample ID:	I.BLK-PD089154.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
PD089154.D	1		06/25/25	pd062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PD089154.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 21:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:15:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.882	50145374	359.0E6	17.576	21.178
28)	SA Decachlor...	9.073	8.072	61406292	213.9E6	15.634	10.820 #
	Target Compounds						

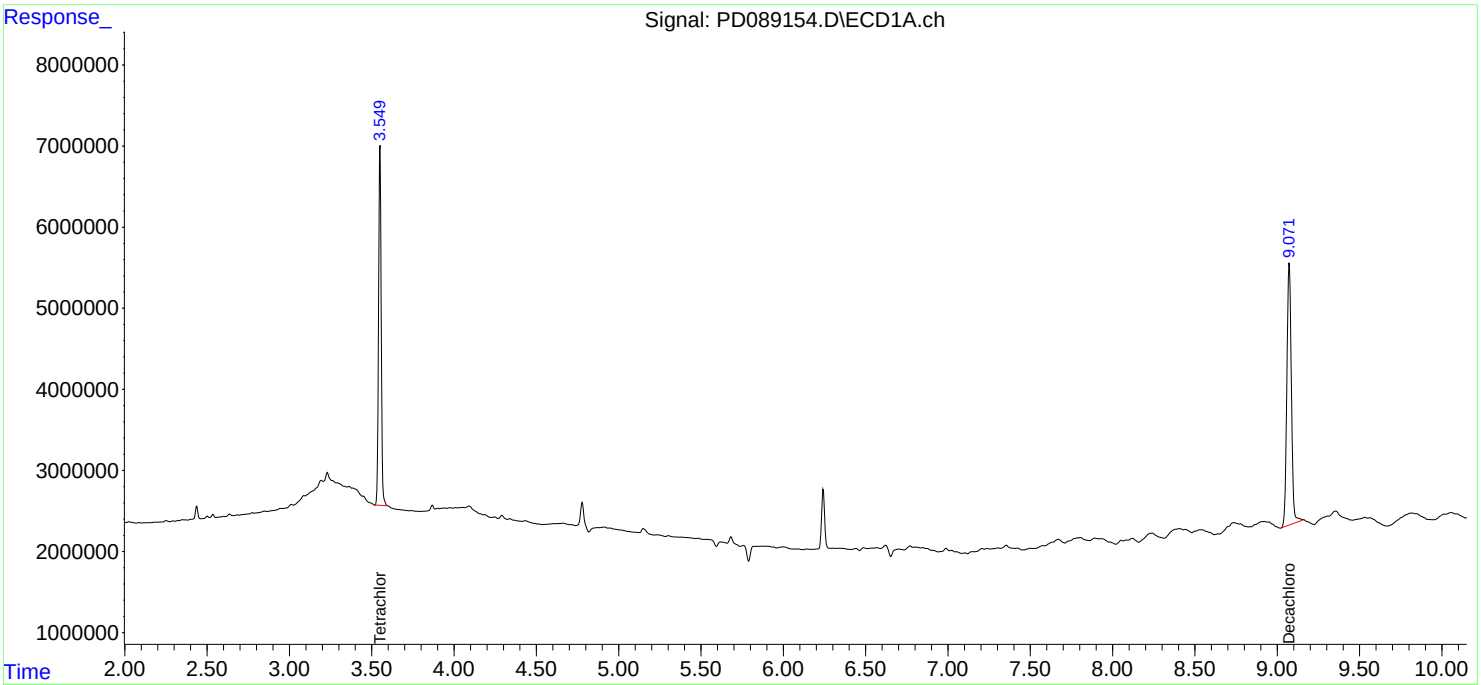
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

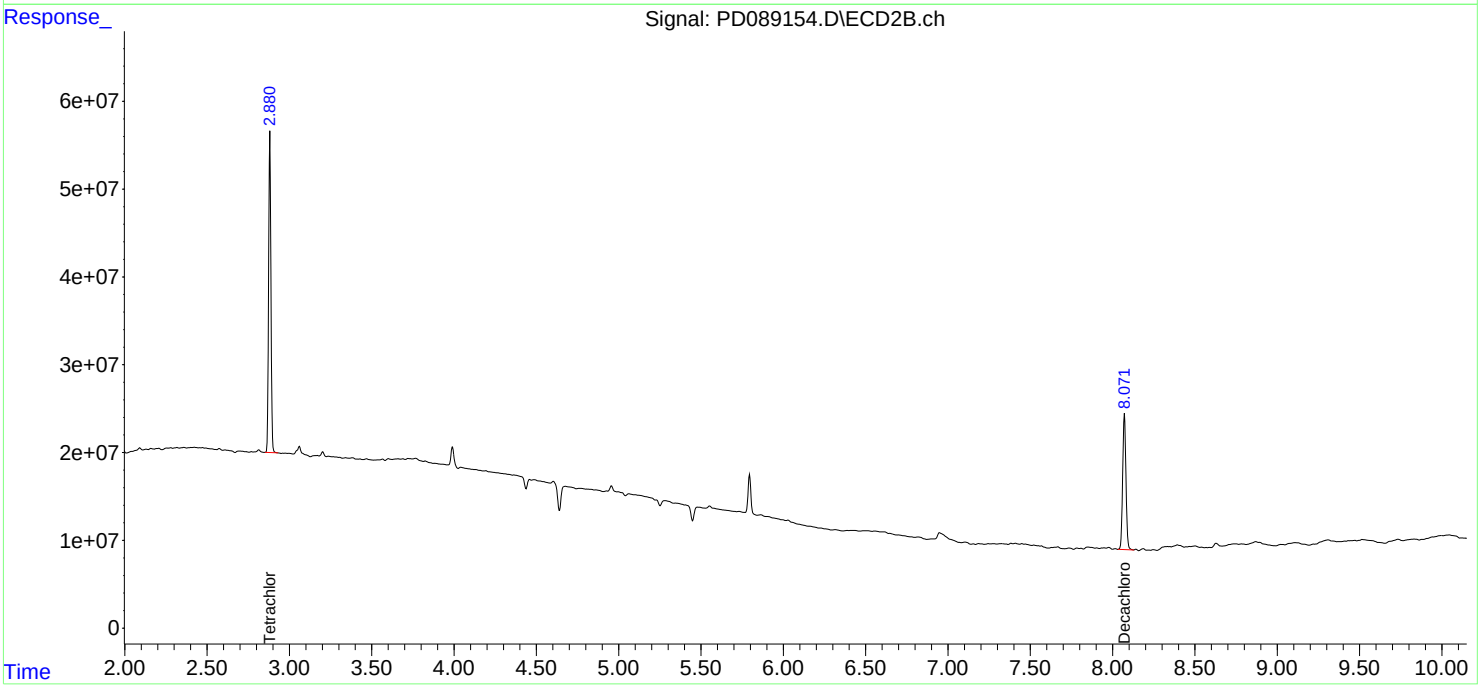
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 21:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

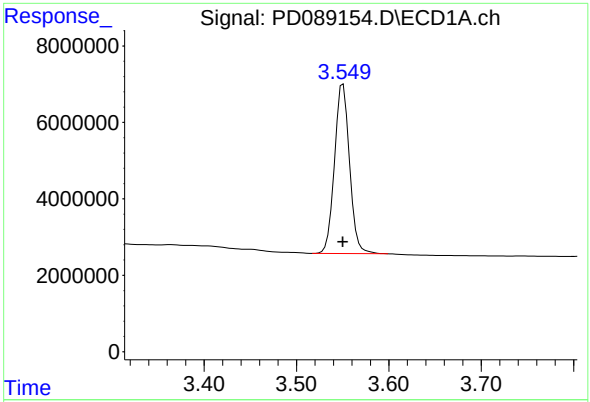
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 02:15:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



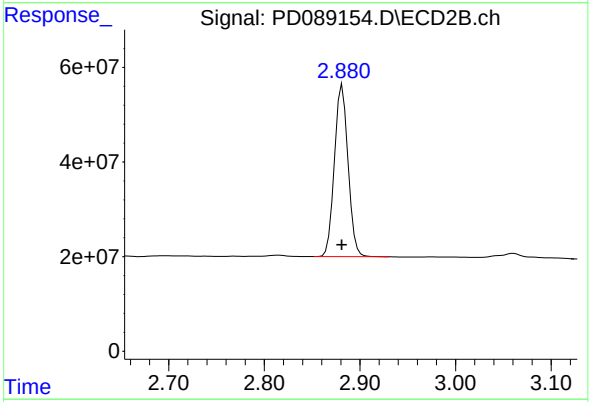




#1 Tetrachloro-m-xylene

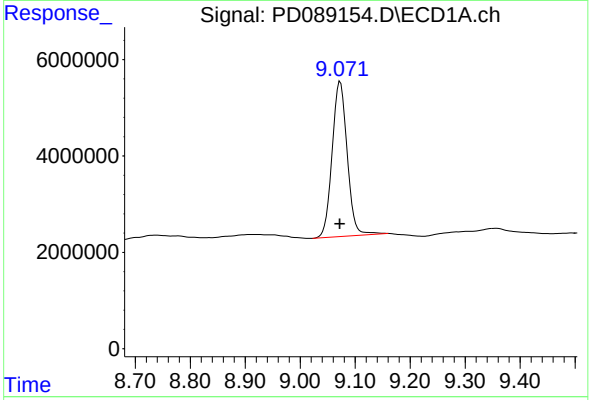
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 50145374
Conc: 17.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



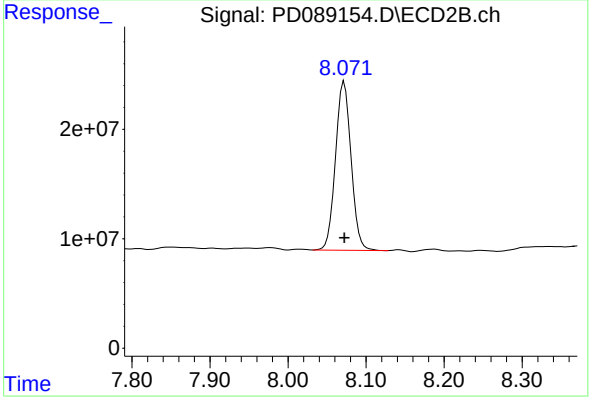
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 359038520
Conc: 21.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 61406292
Conc: 15.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 213907982
Conc: 10.82 ng/ml

Raw Data: **PD089137.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168608BS	SDG No.:	Q2393
Lab Sample ID:	PB168608BS	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
PD089137.D	1	06/25/25 08:45	06/25/25 17:13	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.2		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.0		0.18	1.70	ug/kg
319-86-8	delta-BHC	17.0		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.2		0.14	1.70	ug/kg
76-44-8	Heptachlor	15.8		0.12	1.70	ug/kg
309-00-2	Aldrin	16.3		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.2		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.3		0.14	1.70	ug/kg
60-57-1	Dieldrin	16.2		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.2		0.14	1.70	ug/kg
72-20-8	Endrin	15.2		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.3		0.29	1.70	ug/kg
72-54-8	4,4-DDD	16.6		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.13	1.70	ug/kg
50-29-3	4,4-DDT	15.1		0.14	1.70	ug/kg
72-43-5	Methoxychlor	14.7		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.4		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	15.9		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.1		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.3		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.3		20 - 144	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		19 - 148	116%	SPK: 20

Raw Data: **PD089137.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168608BS	SDG No.:	Q2393
Lab Sample ID:	PB168608BS	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
PD089137.D	1	06/25/25 08:45	06/25/25 17:13	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:13
Operator : AR\AJ
Sample : PB168608BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168608BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	60368991	393.7E6	21.159	23.224
28)	SA Decachlor...	9.072	8.072	92733608	479.6E6	23.611	24.259
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	281.1E6	1305.3E6	48.224	48.710
3)	MA gamma-BHC...	4.330	3.729	268.9E6	1205.7E6	48.174	48.702
4)	MA Heptachlor	4.929	4.083	259.0E6	1181.1E6	47.502	47.171
5)	MB Aldrin	5.271	4.368	259.3E6	1181.8E6	48.807	48.799
6)	B beta-BHC	4.516	4.025	102.8E6	517.8E6	46.595	48.183
7)	B delta-BHC	4.764	4.262	262.5E6	1215.4E6	51.142	48.863
8)	B Heptachlo...	5.691	4.872	231.3E6	1062.7E6	47.939	48.528
9)	A Endosulfan I	6.074	5.246	217.7E6	1021.4E6	48.309	49.005
10)	B gamma-Chl...	5.946	5.125	231.6E6	1169.0E6	48.373	48.868
11)	B alpha-Chl...	6.027	5.190	233.2E6	1106.8E6	48.194	48.337
12)	B 4,4'-DDE	6.196	5.375	212.5E6	1106.2E6	48.718	48.273
13)	MA Dieldrin	6.347	5.512	234.0E6	1124.1E6	48.778	48.436
14)	MA Endrin	6.574	5.789	188.9E6	981.0E6	45.777	45.178
15)	B Endosulfa...	6.785	6.080	197.8E6	971.7E6	49.006	48.113
16)	A 4,4'-DDD	6.705	5.929	171.3E6	954.6E6	49.909	49.903
17)	MA 4,4'-DDT	7.021	6.183	171.3E6	912.3E6	45.231	44.985
18)	B Endrin al...	6.915	6.258	146.0E6	727.0E6	47.640	47.482
19)	B Endosulfa...	7.149	6.482	184.3E6	938.3E6	48.028	47.822
20)	A Methoxychlor	7.493	6.754	86659387	473.8E6	42.887	44.002
21)	B Endrin ke...	7.630	6.991	200.7E6	1060.1E6	49.286	49.073
22)	Mirex	8.113	7.185	144.3E6	784.4E6	47.470	47.030

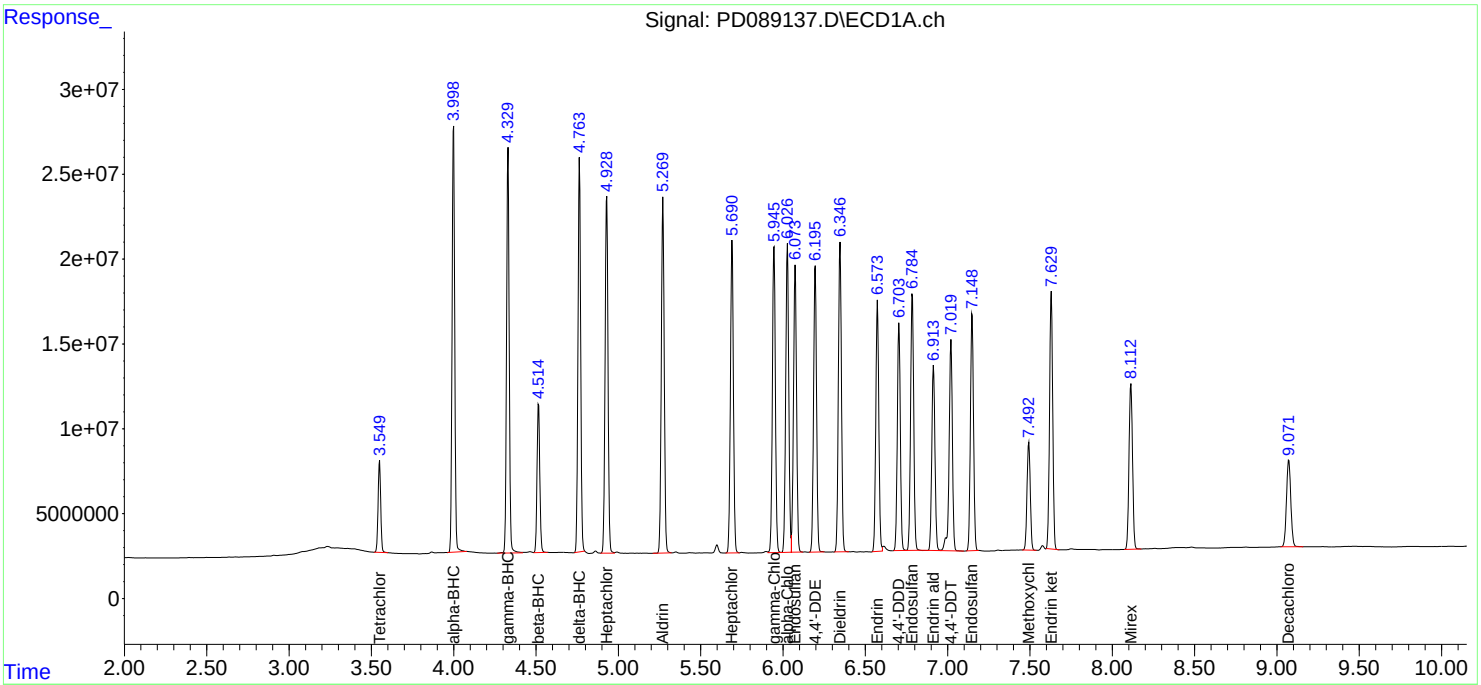
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

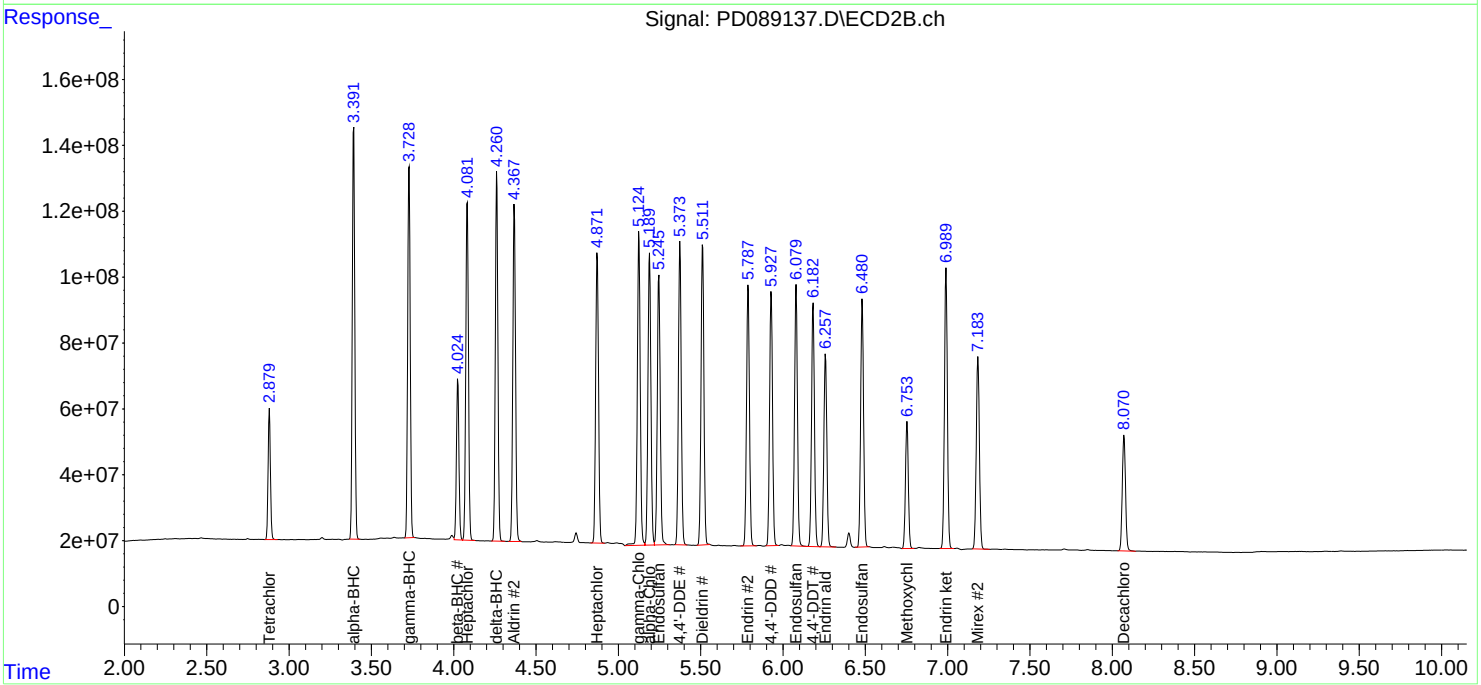
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 17:13
Operator : AR\AJ
Sample : PB168608BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168608BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD089141.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1MS	SDG No.:	Q2393
Lab Sample ID:	Q2393-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089141.D	1	06/25/25 08:45	06/25/25 18:07	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.0		0.16	2.00	ug/kg
319-85-7	beta-BHC	17.7		0.22	2.00	ug/kg
319-86-8	delta-BHC	18.8		0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	18.0		0.17	2.00	ug/kg
76-44-8	Heptachlor	17.4		0.14	2.00	ug/kg
309-00-2	Aldrin	17.9		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.6		0.23	2.00	ug/kg
959-98-8	Endosulfan I	17.6		0.17	2.00	ug/kg
60-57-1	Dieldrin	17.5		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.3		0.17	2.00	ug/kg
72-20-8	Endrin	17.4		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	16.9		0.35	2.00	ug/kg
72-54-8	4,4-DDD	17.6		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.7		0.16	2.00	ug/kg
50-29-3	4,4-DDT	16.0		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.6		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	17.0		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.2		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.6		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.5		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		19 - 148	86%	SPK: 20

Raw Data: **PD089141.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1MS	SDG No.:	Q2393
Lab Sample ID:	Q2393-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089141.D	1	06/25/25 08:45	06/25/25 18:07	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:07
Operator : AR\AJ
Sample : Q2393-01MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	43687418	290.7E6	15.312	17.146
28)	SA Decachlor...	9.071	8.071	64713848	308.7E6	16.477	15.615
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	262.2E6	1206.9E6	44.982	45.040
3)	MA gamma-BHC...	4.330	3.730	251.2E6	1114.9E6	45.007	45.033
4)	MA Heptachlor	4.929	4.083	236.2E6	1089.7E6	43.322	43.520
5)	MB Aldrin	5.271	4.369	236.1E6	1085.2E6	44.430	44.810
6)	B beta-BHC	4.515	4.025	95684739	477.1E6	43.352	44.401
7)	B delta-BHC	4.763	4.262	241.4E6	1117.5E6	47.031	44.927
8)	B Heptachlo...	5.690	4.872	209.7E6	965.7E6	43.479	44.098
9)	A Endosulfan I	6.074	5.247	195.2E6	915.7E6	43.298	43.933
10)	B gamma-Chl...	5.945	5.125	204.6E6	1054.3E6	42.728	44.072
11)	B alpha-Chl...	6.026	5.190	209.0E6	1005.7E6	43.187	43.923
12)	B 4,4'-DDE	6.196	5.375	187.2E6	991.0E6	42.914	43.245
13)	MA Dieldrin	6.347	5.512	208.3E6	1013.8E6	43.417	43.683
14)	MA Endrin	6.574	5.789	171.4E6	944.5E6	41.537	43.496
15)	B Endosulfa...	6.785	6.080	167.8E6	852.6E6	41.568	42.214
16)	A 4,4'-DDD	6.705	5.928	150.9E6	826.6E6	43.981	43.210m
17)	MA 4,4'-DDT	7.021	6.183	149.7E6	810.4E6	39.526	39.963
18)	B Endrin al...	6.915	6.258	131.9E6	642.2E6	43.042	41.941
19)	B Endosulfa...	7.149	6.482	160.5E6	815.4E6	41.834	41.557
20)	A Methoxychlor	7.492	6.754	79072173	415.4E6	39.132	38.577
21)	B Endrin ke...	7.630	6.991	173.8E6	886.5E6	42.661	41.039
22)	Mirex	8.113	7.185	128.4E6	677.8E6	42.243	40.639

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

Sample Results: **PD089141.D**

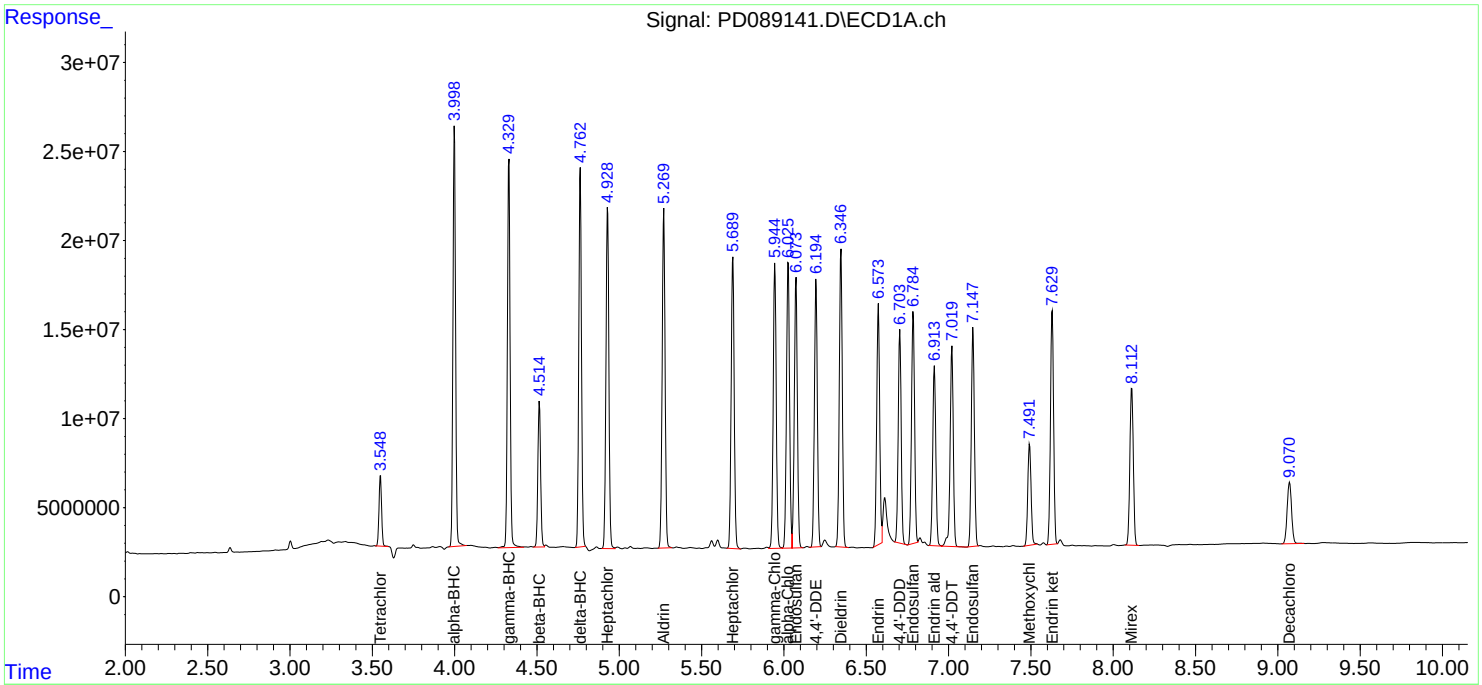
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:07
Operator : AR\AJ
Sample : Q2393-01MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

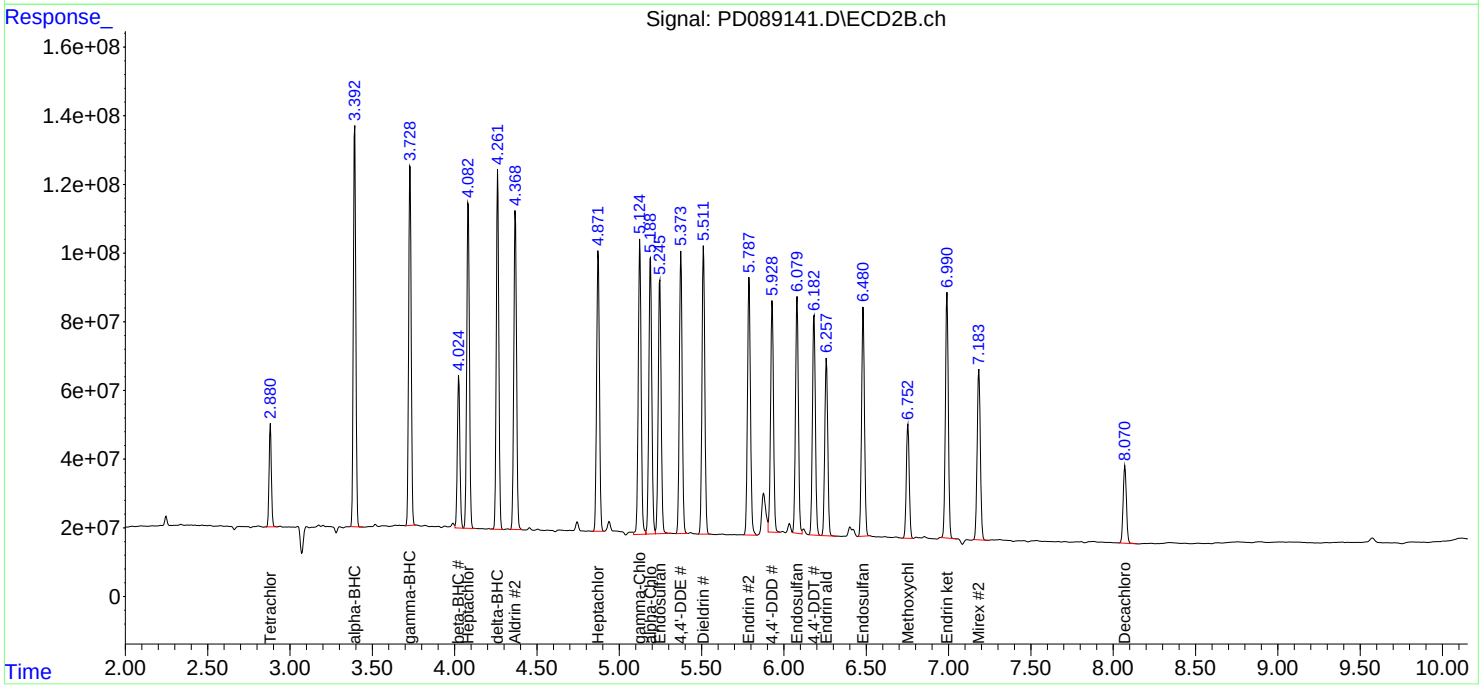
Instrument :
ECD_D
ClientSampleId :
PARK AVE -1MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/26/2025
Supervised By :mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:40:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD089142.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1MSD	SDG No.:	Q2393
Lab Sample ID:	Q2393-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.1 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
PD089142.D	1	06/25/25 08:45	06/25/25 18:21	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.0		0.16	2.00	ug/kg
319-85-7	beta-BHC	17.8		0.22	2.00	ug/kg
319-86-8	delta-BHC	18.8		0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	18.0		0.17	2.00	ug/kg
76-44-8	Heptachlor	17.4		0.14	2.00	ug/kg
309-00-2	Aldrin	17.9		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.7		0.23	2.00	ug/kg
959-98-8	Endosulfan I	17.7		0.17	2.00	ug/kg
60-57-1	Dieldrin	17.5		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.5		0.17	2.00	ug/kg
72-20-8	Endrin	17.2		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	17.1		0.35	2.00	ug/kg
72-54-8	4,4-DDD	17.8		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.9		0.16	2.00	ug/kg
50-29-3	4,4-DDT	16.3		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.7		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	17.1		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.4		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.7		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.2		19 - 148	86%	SPK: 20

Raw Data: **PD089142.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1MSD	SDG No.:	Q2393
Lab Sample ID:	Q2393-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.1 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
PD089142.D	1	06/25/25 08:45	06/25/25 18:21	PB168608

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:21
Operator : AR\AJ
Sample : Q2393-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.549	2.881	44146990	291.0E6	15.473	17.167
28)	SA	Decachlor...	9.071	8.071	64212523	316.9E6	16.349	16.027
		Target Compounds						
2)	A	alpha-BHC	3.999	3.393	262.1E6	1208.3E6	44.962	45.090
3)	MA	gamma-BHC...	4.330	3.729	250.8E6	1115.5E6	44.940	45.059
4)	MA	Heptachlor	4.929	4.083	238.0E6	1095.5E6	43.662	43.753
5)	MB	Aldrin	5.271	4.368	237.7E6	1085.9E6	44.741	44.841
6)	B	beta-BHC	4.515	4.025	96643636	478.7E6	43.787	44.550
7)	B	delta-BHC	4.763	4.262	242.0E6	1116.6E6	47.148	44.889
8)	B	Heptachlo...	5.690	4.872	211.1E6	969.5E6	43.753	44.272
9)	A	Endosulfan I	6.074	5.246	198.6E6	922.8E6	44.053	44.277
10)	B	gamma-Chl...	5.944	5.125	206.3E6	1064.7E6	43.084	44.504
11)	B	alpha-Chl...	6.026	5.189	211.8E6	1011.2E6	43.773	44.165
12)	B	4,4'-DDE	6.195	5.374	191.2E6	998.5E6	43.852	43.571
13)	MA	Dieldrin	6.346	5.512	209.8E6	1018.7E6	43.726	43.895
14)	MA	Endrin	6.574	5.788	178.2E6	925.5E6	43.206	42.624
15)	B	Endosulfa...	6.785	6.079	168.9E6	867.9E6	41.853	42.972
16)	A	4,4'-DDD	6.704	5.928	153.4E6	803.3E6	44.687	41.993
17)	MA	4,4'-DDT	7.020	6.182	152.5E6	829.0E6	40.245	40.882
18)	B	Endrin al...	6.914	6.257	133.5E6	655.7E6	43.572	42.826
19)	B	Endosulfa...	7.148	6.481	162.7E6	825.6E6	42.388	42.078
20)	A	Methoxychlor	7.492	6.753	79740477	425.1E6	39.463	39.478
21)	B	Endrin ke...	7.629	6.990	175.0E6	906.3E6	42.964	41.956
22)		Mirex	8.113	7.184	129.2E6	692.0E6	42.506	41.492

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

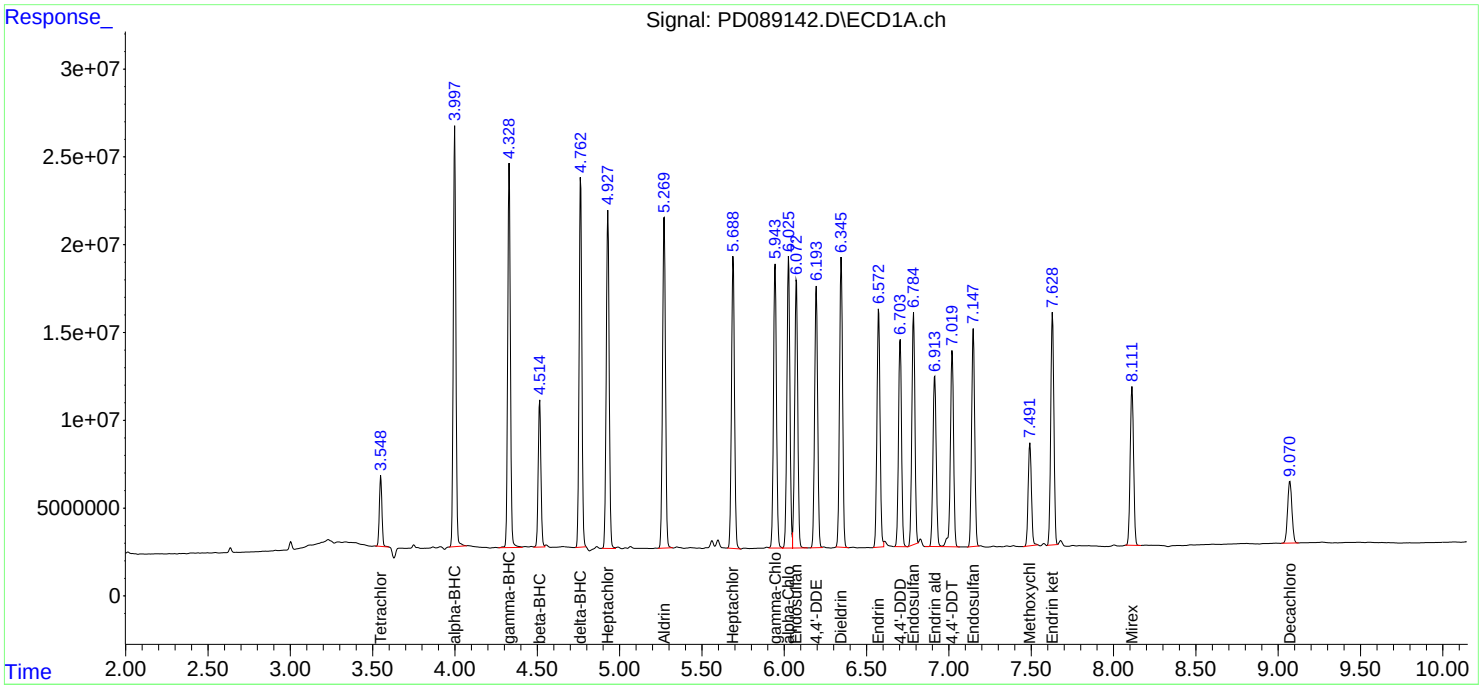
Sample Results: **PD089142.D**

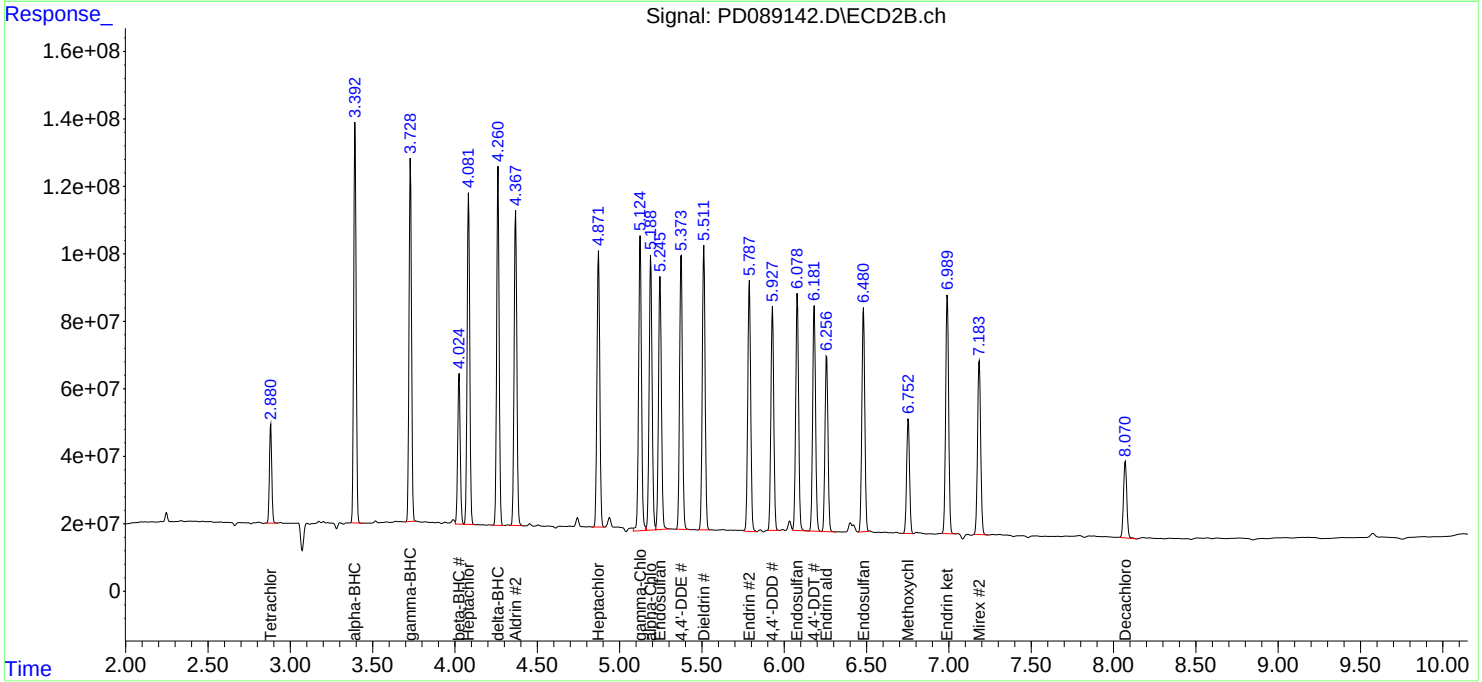
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
Data File : PD089142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Jun 2025 18:21
Operator : AR\AJ
Sample : Q2393-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PARK AVE -1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 06:41:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Manual Integration Report

Sequence:	PD061825	Instrument	ECD_d

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

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

Manual Integration Report

Sequence:	pd062525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089118.D	4,4"-DDE	Abdul	6/26/2025 11:16:45 AM			Peak Integrated by Software
PEM	PD089118.D	4,4"-DDE #2	Abdul	6/26/2025 11:16:45 AM			Peak Integrated by Software
PCHLORCCC500	PD089120.D	Chlordane-1	Abdul	6/26/2025 11:16:48 AM			Peak Integrated by Software
PCHLORCCC500	PD089135.D	Chlordane-1	Abdul	6/26/2025 11:17:16 AM			Peak Integrated by Software
Q2393-01MS	PD089141.D	4,4"-DDD #2	Abdul	6/26/2025 11:17:24 AM			Peak Integrated by Software
PEM	PD089145.D	4,4"-DDE	Abdul	6/26/2025 11:17:27 AM			Peak Integrated by Software
PEM	PD089145.D	4,4"-DDE #2	Abdul	6/26/2025 11:17:27 AM			Peak Integrated by Software
PEM	PD089145.D	Endrin ketone	Abdul	6/26/2025 11:17:27 AM			Peak Integrated by Software
PEM	PD089145.D	Endrin ketone #2	Abdul	6/26/2025 11:17:27 AM			Peak Integrated by Software
Q2393-05	PD089147.D	4,4"-DDD	Abdul	6/26/2025 11:17:30 AM			Peak Integrated by Software
Q2393-05	PD089147.D	4,4"-DDD #2	Abdul	6/26/2025 11:17:30 AM			Peak Integrated by Software
Q2393-05	PD089147.D	4,4"-DDE #2	Abdul	6/26/2025 11:17:30 AM			Peak Integrated by Software
Q2393-05	PD089147.D	alpha-Chlordane #2	Abdul	6/26/2025 11:17:30 AM			Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd062525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2393-05	PD089147.D	Decachlorobiphenyl	Abdul	6/26/2025 11:17:30 AM			Peak Integrated by Software
Q2393-05	PD089147.D	gamma-Chlordane #2	Abdul	6/26/2025 11:17:30 AM			Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDD	Abdul	6/26/2025 2:43:20 PM			Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDD #2	Abdul	6/26/2025 2:43:20 PM			Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDE	Abdul	6/26/2025 2:43:20 PM			Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDE #2	Abdul	6/26/2025 2:43:20 PM			Peak Integrated by Software
Q2393-07	PD089148.D	4,4"-DDT	Abdul	6/26/2025 2:43:20 PM			Peak Integrated by Software
Q2393-07	PD089148.D	alpha-Chlordane #2	Abdul	6/26/2025 2:43:20 PM			Peak Integrated by Software
Q2393-07	PD089148.D	gamma-Chlordane	Abdul	6/26/2025 2:43:20 PM			Peak Integrated by Software
Q2393-07	PD089148.D	gamma-Chlordane #2	Abdul	6/26/2025 2:43:20 PM			Peak Integrated by Software
Q2393-09	PD089149.D	4,4"-DDD	Abdul	6/26/2025 11:17:36 AM			Peak Integrated by Software
Q2393-09	PD089149.D	4,4"-DDD #2	Abdul	6/26/2025 11:17:36 AM			Peak Integrated by Software
Q2393-09	PD089149.D	4,4"-DDE	Abdul	6/26/2025 11:17:36 AM			Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd062525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2393-09	PD089149.D	4,4"-DDE #2	Abdul	6/26/2025 11:17:36 AM			Peak Integrated by Software
Q2393-09	PD089149.D	alpha-Chlordane #2	Abdul	6/26/2025 11:17:36 AM			Peak Integrated by Software
Q2393-09	PD089149.D	gamma-Chlordane	Abdul	6/26/2025 11:17:36 AM			Peak Integrated by Software
Q2393-09	PD089149.D	gamma-Chlordane #2	Abdul	6/26/2025 11:17:36 AM			Peak Integrated by Software
Q2393-11	PD089150.D	4,4"-DDE #2	Abdul	6/26/2025 2:43:23 PM			Peak Integrated by Software
Q2393-11	PD089150.D	4,4"-DDT	Abdul	6/26/2025 2:43:23 PM			Peak Integrated by Software
Q2393-11	PD089150.D	4,4"-DDT #2	Abdul	6/26/2025 2:43:23 PM			Peak Integrated by Software
Q2393-11	PD089150.D	alpha-Chlordane #2	Abdul	6/26/2025 2:43:23 PM			Peak Integrated by Software
Q2393-11	PD089150.D	gamma-Chlordane	Abdul	6/26/2025 2:43:23 PM			Peak Integrated by Software
Q2393-11	PD089150.D	gamma-Chlordane #2	Abdul	6/26/2025 2:43:23 PM			Peak Integrated by Software
PSTDCCC050	PD089155.D	Endrin	Abdul	6/26/2025 11:17:50 AM			Peak Integrated by Software
PSTDCCC050	PD089155.D	Methoxychlor	Abdul	6/26/2025 11:17:50 AM			Peak Integrated by Software

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

Manual Integration Report

Sequence:	pd062525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PD089010.D	17 Jun 2025 19:44	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By		Supervise On			
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089116.D	25 Jun 2025 08:58	AR\AJ	Ok
2	I.BLK	PD089117.D	25 Jun 2025 09:11	AR\AJ	Ok
3	PEM	PD089118.D	25 Jun 2025 09:25	AR\AJ	Ok,NS
4	PSTDCCC050	PD089119.D	25 Jun 2025 09:39	AR\AJ	Ok
5	PCHLORCCC500	PD089120.D	25 Jun 2025 09:52	AR\AJ	Ok,NS
6	PTOXCCC500	PD089121.D	25 Jun 2025 10:06	AR\AJ	Ok
7	PB168531BL	PD089122.D	25 Jun 2025 10:20	AR\AJ	Ok
8	Q2126-01	PD089123.D	25 Jun 2025 10:36	AR\AJ	Ok,NS
9	Q2126-07	PD089124.D	25 Jun 2025 10:50	AR\AJ	Ok,NS
10	Q2126-01	PD089125.D	25 Jun 2025 13:52	AR\AJ	Not Ok
11	Q2126-07	PD089126.D	25 Jun 2025 14:06	AR\AJ	Not Ok
12	Q2126-02	PD089127.D	25 Jun 2025 14:19	AR\AJ	Ok,NS
13	Q2126-08	PD089128.D	25 Jun 2025 14:33	AR\AJ	Ok
14	Q2126-02	PD089129.D	25 Jun 2025 14:47	AR\AJ	Not Ok
15	Q2126-08	PD089130.D	25 Jun 2025 15:00	AR\AJ	Not Ok
16	Q2126-01	PD089131.D	25 Jun 2025 15:14	AR\AJ	Not Ok
17	Q2381-01DL	PD089132.D	25 Jun 2025 15:28	AR\AJ	Ok,NS
18	I.BLK	PD089133.D	25 Jun 2025 15:58	AR\AJ	Ok
19	PSTDCCC050	PD089134.D	25 Jun 2025 16:12	AR\AJ	Ok
20	PCHLORCCC500	PD089135.D	25 Jun 2025 16:46	AR\AJ	Ok,NS
21	PB168608BL	PD089136.D	25 Jun 2025 16:59	AR\AJ	Ok

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By		Supervise On			
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168608BS	PD089137.D	25 Jun 2025 17:13	AR\AJ	Ok
23	Q2392-01	PD089138.D	25 Jun 2025 17:27	AR\AJ	Ok,NS
24	Q2412-01	PD089139.D	25 Jun 2025 17:40	AR\AJ	Ok,NS
25	Q2393-01	PD089140.D	25 Jun 2025 17:54	AR\AJ	Ok
26	Q2393-01MS	PD089141.D	25 Jun 2025 18:07	AR\AJ	Ok,NS
27	Q2393-01MSD	PD089142.D	25 Jun 2025 18:21	AR\AJ	Ok
28	Q2393-03	PD089143.D	25 Jun 2025 18:35	AR\AJ	Ok
29	I.BLK	PD089144.D	25 Jun 2025 18:48	AR\AJ	Ok
30	PEM	PD089145.D	25 Jun 2025 19:02	AR\AJ	Ok,NS
31	PSTDCCC050	PD089146.D	25 Jun 2025 19:15	AR\AJ	Ok
32	Q2393-05	PD089147.D	25 Jun 2025 19:57	AR\AJ	Ok,NS
33	Q2393-07	PD089148.D	25 Jun 2025 20:10	AR\AJ	Ok,NS
34	Q2393-09	PD089149.D	25 Jun 2025 20:24	AR\AJ	Ok,NS
35	Q2393-11	PD089150.D	25 Jun 2025 20:37	AR\AJ	Ok,NS
36	Q2394-01	PD089151.D	25 Jun 2025 20:51	AR\AJ	Ok
37	Q2398-03	PD089152.D	25 Jun 2025 21:05	AR\AJ	Ok
38	Q2398-06	PD089153.D	25 Jun 2025 21:18	AR\AJ	Ok,NS
39	I.BLK	PD089154.D	25 Jun 2025 21:32	AR\AJ	Ok
40	PSTDCCC050	PD089155.D	25 Jun 2025 22:40	AR\AJ	Ok,NS

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD061825

Review By	Abdul	Review On	6/18/2025 8:40:56 AM		
Supervise By	mohammad	Supervise On	6/19/2025 2:43:55 AM		
SubDirectory	PD061825	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PD089007.D	17 Jun 2025 19:03		AR\AJ	Ok,M
20	PSTDICV050	ICVPD061825	PD089008.D	17 Jun 2025 19:17		AR\AJ	Ok
21	PCHLORICV500	ICVPD061825CHLOR	PD089009.D	17 Jun 2025 19:31		AR\AJ	Ok
22	PTOXICV500	ICVPD061825TOX	PD089010.D	17 Jun 2025 19:44		AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By		Supervise On			
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089116.D	25 Jun 2025 08:58		AR\AJ	Ok
2	I.BLK	I.BLK	PD089117.D	25 Jun 2025 09:11		AR\AJ	Ok
3	PEM	PEM	PD089118.D	25 Jun 2025 09:25		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PD089119.D	25 Jun 2025 09:39		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PD089120.D	25 Jun 2025 09:52		AR\AJ	Ok,NS
6	PTOXCCC500	PTOXCCC500	PD089121.D	25 Jun 2025 10:06		AR\AJ	Ok
7	PB168531BL	PB168531BL	PD089122.D	25 Jun 2025 10:20		AR\AJ	Ok
8	Q2126-01	LOD-MDL-SOIL-03-QT	PD089123.D	25 Jun 2025 10:36	CHLOR LOD 25PPB SOIL	AR\AJ	Ok,NS
9	Q2126-07	LOD-MDL-WATER-01-(	PD089124.D	25 Jun 2025 10:50	CHLOR LOD 25PPB WATER	AR\AJ	Ok,NS
10	Q2126-01	LOD-MDL-SOIL-03-QT	PD089125.D	25 Jun 2025 13:52	TOX end ccc missing , TOX LOD 50 PPB SOIL	AR\AJ	Not Ok
11	Q2126-07	LOD-MDL-WATER-01-(	PD089126.D	25 Jun 2025 14:06	TOX end ccc missing , TOX LOD 50 PPB WATER	AR\AJ	Not Ok
12	Q2126-02	LOQ-SOIL-02-QT2-202	PD089127.D	25 Jun 2025 14:19	CHLOR LOQ 50 PPB SOIL	AR\AJ	Ok,NS
13	Q2126-08	LOQ-WATER-02-QT2-2	PD089128.D	25 Jun 2025 14:33	CHLOR LOQ 50 PPB WATER	AR\AJ	Ok
14	Q2126-02	LOQ-SOIL-02-QT2-202	PD089129.D	25 Jun 2025 14:47	TOX LOQ 100PPB SOIL , TOX end ccc missing	AR\AJ	Not Ok
15	Q2126-08	LOQ-WATER-02-QT2-2	PD089130.D	25 Jun 2025 15:00	TOX LOQ 100PPB WATER , TOX end ccc missing	AR\AJ	Not Ok
16	Q2126-01	LOD-MDL-SOIL-03-QT	PD089131.D	25 Jun 2025 15:14	PEST LOD 1PPB SOIL , U Flag in delta-BHC and Methoxychlor	AR\AJ	Not Ok
17	Q2381-01DL	291431DL	PD089132.D	25 Jun 2025 15:28		AR\AJ	Ok,NS

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By		Supervise On			
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	I.BLK	I.BLK	PD089133.D	25 Jun 2025 15:58		AR\AJ	Ok
19	PSTDCCC050	PSTDCCC050	PD089134.D	25 Jun 2025 16:12		AR\AJ	Ok
20	PCHLORCCC500	PCHLORCCC500	PD089135.D	25 Jun 2025 16:46		AR\AJ	Ok,NS
21	PB168608BL	PB168608BL	PD089136.D	25 Jun 2025 16:59		AR\AJ	Ok
22	PB168608BS	PB168608BS	PD089137.D	25 Jun 2025 17:13		AR\AJ	Ok
23	Q2392-01	S-1	PD089138.D	25 Jun 2025 17:27		AR\AJ	Ok,NS
24	Q2412-01	TR-05-062425	PD089139.D	25 Jun 2025 17:40		AR\AJ	Ok,NS
25	Q2393-01	PARK AVE -1	PD089140.D	25 Jun 2025 17:54		AR\AJ	Ok
26	Q2393-01MS	PARK AVE -1MS	PD089141.D	25 Jun 2025 18:07		AR\AJ	Ok,NS
27	Q2393-01MSD	PARK AVE -1MSD	PD089142.D	25 Jun 2025 18:21		AR\AJ	Ok
28	Q2393-03	PARK AVE -2	PD089143.D	25 Jun 2025 18:35		AR\AJ	Ok
29	I.BLK	I.BLK	PD089144.D	25 Jun 2025 18:48		AR\AJ	Ok
30	PEM	PEM	PD089145.D	25 Jun 2025 19:02		AR\AJ	Ok,NS
31	PSTDCCC050	PSTDCCC050	PD089146.D	25 Jun 2025 19:15		AR\AJ	Ok
32	Q2393-05	PARK AVE -3	PD089147.D	25 Jun 2025 19:57		AR\AJ	Ok,NS
33	Q2393-07	PARK AVE -4	PD089148.D	25 Jun 2025 20:10		AR\AJ	Ok,NS
34	Q2393-09	PARK AVE -5	PD089149.D	25 Jun 2025 20:24		AR\AJ	Ok,NS
35	Q2393-11	PARK AVE -6	PD089150.D	25 Jun 2025 20:37		AR\AJ	Ok,NS
36	Q2394-01	MH-K/L	PD089151.D	25 Jun 2025 20:51		AR\AJ	Ok

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD062525

Review By	Abdul	Review On	6/26/2025 11:18:16 AM		
Supervise By		Supervise On			
SubDirectory	PD062525	HP Acquire Method		HP Processing Method	pd061825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q2398-03	M00-25-0179	PD089152.D	25 Jun 2025 21:05		AR\AJ	Ok
38	Q2398-06	ARS20-0036	PD089153.D	25 Jun 2025 21:18		AR\AJ	Ok,NS
39	I.BLK	I.BLK	PD089154.D	25 Jun 2025 21:32	DCB Low in 2nd column	AR\AJ	Ok
40	PSTDCCC050	PSTDCCC050	PD089155.D	25 Jun 2025 22:40	Methoxychlor low in 1t column	AR\AJ	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136243

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
Q2392-01	S-1	1	1.15	10.05	11.2	10.42	92.2	
Q2392-02	S-1A	2	1.18	10.49	11.67	10.97	93.3	
Q2393-01	PARK AVE -1	3	1.17	10.34	11.51	9.78	83.3	
Q2393-02	PARK AVE -1	4	1.15	10.07	11.22	9.4	81.9	
Q2393-03	PARK AVE -2	5	1.13	10.85	11.98	10.19	83.5	
Q2393-04	PARK AVE -2	6	1.19	10.26	11.45	9.55	81.5	
Q2393-05	PARK AVE -3	7	1.12	10.25	11.37	10.00	86.6	
Q2393-06	PARK AVE -3	8	1.15	10.84	11.99	10.5	86.3	
Q2393-07	PARK AVE -4	9	1.16	10.70	11.86	10.54	87.7	
Q2393-08	PARK AVE -4	10	1.19	9.86	11.05	9.84	87.7	
Q2393-09	PARK AVE -5	11	1.15	10.84	11.99	11.05	91.3	
Q2393-10	PARK AVE -5	12	1.15	9.95	11.1	9.95	88.4	
Q2393-11	PARK AVE -6	13	1.19	10.23	11.42	10.07	86.8	
Q2393-12	PARK AVE -6	14	1.17	10.52	11.69	10.4	87.7	
Q2394-01	MH-K/L	15	1.18	10.49	11.67	10.23	86.3	
Q2394-02	MH-K/L EPH	16	1.19	9.97	11.16	9.58	84.2	
Q2394-03	MH-K/L VOC	17	1.13	10.86	11.99	10.66	87.8	
Q2394-04	MH-K/L	18	1.18	10.49	11.67	10.23	86.3	
Q2396-01	245F53-1-1	19	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-02	245F53-1-2	20	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-03	LAW-25-1A	21	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-04	LAW-25-1B	22	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-05	LAW-25-2A	23	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-06	LAW-25-2B	24	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-07	LAW-25-3A	25	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-08	LAW-25-3B	26	1.00	1.00	2.00	2.00	100.0	oilc
Q2398-01	M00-25-0169	27	1.00	1.00	2.00	2.00	100.0	oil sample
Q2398-03	M00-25-0179	28	1.19	10.07	11.26	7.63	64.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136243

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
Q2398-04	M00-25-0179-E2	29	1.19	10.25	11.44	7.68	63.3	
Q2398-06	ARS20-0036	30	1.19	10.53	11.72	10.47	88.1	
Q2398-07	ARS20-0036-E2	31	1.12	10.77	11.89	10.9	90.8	
Q2399-01	TP-13	32	1.13	10.84	11.97	10.27	84.3	
Q2399-02	TP-13-EPH	33	1.19	10.36	11.55	9.96	84.7	
Q2399-03	TP-13-VOC	34	1.15	10.84	11.99	10.36	85.0	
Q2399-04	TP-13	35	1.13	10.84	11.97	10.27	84.3	
Q2399-05	EP-7	36	1.19	10.47	11.66	10.37	87.7	
Q2399-06	EP-7-EPH	37	1.19	10.47	11.66	10.33	87.3	
Q2399-07	EP-7-VOC	38	1.16	10.57	11.73	10.38	87.2	
Q2399-08	EP-13	39	1.19	10.47	11.66	10.37	87.7	
Q2400-01	B-156-SB01	40	1.17	10.58	11.75	10.11	84.5	
Q2400-02	B-134-SB01	41	1.19	10.00	11.19	9.49	83.0	
Q2403-03	LAW-25-0093	42	1.18	10.24	11.42	10.54	91.4	
Q2403-04	LAW-25-0093-E2	43	1.18	10.14	11.32	10.42	91.1	
Q2403-05	Concrete-062325	44	1.15	10.84	11.99	11.71	97.4	
Q2403-07	ARS 20-006	45	1.19	10.44	11.63	11.13	95.2	
Q2403-08	ARS020-0006-E2	46	1.18	10.64	11.82	11.09	93.1	
Q2405-01	MH-M/H	47	1.19	10.11	11.3	10.37	90.8	
Q2405-02	MH-M/N-EPH	48	1.19	10.01	11.2	10.15	89.5	
Q2405-03	MH-M/N-VOC	49	1.11	10.71	11.82	10.9	91.4	
Q2406-01	PUMPING-PLANT	50	1.00	1.00	2.00	2.00	100.0	oil sample
Q2409-02	COP-SOIL-PILE	51	1.18	10.58	11.76	11.38	96.4	
Q2410-01	TRE-25-0021	52	1.00	1.00	2.00	2.00	100.0	debris
Q2411-01	TRE-2002	53	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2412-01	TR-05-062425	54	1.18	10.08	11.26	10.94	96.8	
Q2412-02	TR-05-062425-E2	55	1.16	10.28	11.44	11.23	98.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136243

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

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

WORKLIST(Hardcopy Internal Chain)

B136243

WorkList Name : %1-062425 **WorkList ID :** 190342 **Department :** Wet-Chemistry **Date :** 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	A41	06/23/2025	Chemtech -SO
Q2392-02	S-1A	Solid	Percent Solids	Cool 4 deg C	EARTH03	A41	06/23/2025	Chemtech -SO
Q2393-01	PARK AVE -1	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-02	PARK AVE -1	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-03	PARK AVE -2	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-04	PARK AVE -2	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-05	PARK AVE -3	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-06	PARK AVE -3	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-07	PARK AVE -4	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-08	PARK AVE -4	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-09	PARK AVE -5	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-10	PARK AVE -5	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-11	PARK AVE -6	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-12	PARK AVE -6	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2394-01	MH-K/L	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2394-02	MH-K/L EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-03	MH-K/L VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-04	MH-K/L	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2396-01	245F53-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/23/2025	Chemtech -SO
Q2396-02	245F53-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-03	LAW-25-1A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO

Date/Time 06/24/25 15:10

Raw Sample Received by:

Raw Sample Relinquished by:

JR 06/24/25

Date/Time 06/24/25 17:20

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 136243

WorkList Name : %1-062425 **WorkList ID :** 190342 **Department :** Wet-Chemistry **Date :** 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2396-04	LAW-25-1B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-05	LAW-25-2A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-06	LAW-25-2B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-07	LAW-25-3A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-08	LAW-25-3B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2398-01	M00-25-0169	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2398-03	M00-25-0179	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-04	M00-25-0179-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-06	ARS20-0036	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-07	ARS20-0036-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2399-01	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2399-02	TP-13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-03	TP-13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-04	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-05	EP-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-06	EP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-07	EP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-08	EP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2400-01	B-156-SB01	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2400-02	B-134-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	A42	06/23/2025	Chemtech -SO
Q2403-03	LAW-25-0093	Solid	Percent Solids	Cool 4 deg C	PORT06	A42	06/23/2025	Chemtech -SO
					PSEG03	A32	06/23/2025	Chemtech -SO

Date/Time 06/24/25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 06/24/25 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

UB 136243

WorkList Name : %1-062425 **WorkList ID :** 190342 **Department :** Wet-Chemistry **Date :** 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2403-04	LAW-25-0093-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-05	Concrete-062325	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-07	ARS 20-006	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/23/2025	Chemtech -SO
Q2403-08	ARS020-0006-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2405-01	MH-M/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2405-02	MH-M/N-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2405-03	MH-M/N-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2406-01	PUMPING-PLANT	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/23/2025	Chemtech -SO
Q2409-02	COP-SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	COPP02	D51	06/24/2025	Chemtech -SO
Q2410-01	TRE-25-0021	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2411-01	TRE-2002	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2412-01	TR-05-062425	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/24/2025	Chemtech -SO
Q2412-02	TR-05-062425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/24/2025	Chemtech -SO

Date/Time 06/24/25 15:10
Raw Sample Received by:
Raw Sample Relinquished by: SM

Date/Time 06/24/25 17:20
Raw Sample Received by: SM
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168608

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: RJ

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 : 06/25/2025

Extraction Start Time : 08:45

Extraction End Date : 06/25/2025

Extraction End Time : 12:00

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24597
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	EP2613
Baked Na2SO4	N/A	EP2622
Sand	N/A	E2865
Hexane	N/A	E3945
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/25/25	RS (Ext Lab)	R. Patel/PCB Lab
12:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168608

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/25/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168608BL	PBLK608	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168608BS	PLCS608	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2392-01	S-1	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		3
Q2393-01	PARK AVE -1	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		4
Q2393-01MS	PARK AVE -1MS	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		5
Q2393-01MSD	PARK AVE -1MSD	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	D		6
Q2393-03	PARK AVE -2	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		U3-1
Q2393-05	PARK AVE -3	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		2
Q2393-07	PARK AVE -4	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	D		3
Q2393-09	PARK AVE -5	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		4
Q2393-11	PARK AVE -6	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	D		5
Q2394-01	MH-K/L	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		6
Q2398-03	M00-25-0179	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D	Small Partical	U6-1
Q2398-06	ARS20-0036	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		2
Q2399-01	TP-13	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		3
Q2399-05	EP-7	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		4
Q2403-03	LAW-25-0093	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D	Small Partical	5
Q2403-07	ARS 20-006	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		6
Q2405-01	MH-M/H	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		U1-1
Q2412-01	TR-05-062425	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		2

RS 6/25

* **Extracts relinquished on the same date as received.**

168608 8:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2393P **WorkList ID :** 190368 **Department :** Extraction **Date :** 06-25-2025 08:40:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	A41	06/23/2025	8081B
Q2393-01	PARK AVE -1	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-03	PARK AVE -2	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-05	PARK AVE -3	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-07	PARK AVE -4	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-09	PARK AVE -5	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2393-11	PARK AVE -6	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	A22	06/23/2025	8081B
Q2394-01	MH-K/L	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A21	06/23/2025	8081B
Q2398-03	M00-25-0179	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A33	06/23/2025	8081B
Q2398-06	ARS20-0036	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A33	06/23/2025	8081B
Q2399-01	TP-13	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A41	06/23/2025	8081B
Q2399-05	EP-7	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A41	06/23/2025	8081B
Q2403-03	LAW-25-0093	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	A32	06/23/2025	8081B
Q2403-07	ARS 20-006	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03		06/23/2025	8081B
Q2405-01	MH-M/H	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	06/24/2025	8081B
Q2412-01	TR-05-062425	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D41	06/24/2025	8081B

Date/Time 06/25/25 8:40
Raw Sample Received by: RS (LAL-Cal)
Raw Sample Relinquished by: CP SM

Date/Time 06/25/25 9:10
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (LAL-Cal)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2393
COC Number 2046382

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: UNION PAVING & CONSTRUCTION
ADDRESS: 190 PARK AVE
CITY HANOVER TWP STATE: NJ ZIP:
ATTENTION: GERARD BUSACCO
PHONE: (201) 315-5055 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 190 PARK AVE HANOVER Twp NJ-PO 3555-001
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1	2	3	4	5	6	7	8	9
VOCs	Cyn. / Met. / Mercury	PCBs / Pest. / PH	SVOCs					

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES E/F 1	E 2	E 3	E 4	5	6	7	8	9	COMMENTS
1.	PARK AVE-1	S.	X		6-23	0820	4		X	X	X						
2.	PARK AVE-1			X		0822	4	X									PPM-0.0
3.	PARK AVE-2		X			0828	4		X	X	X						
4.	PARK AVE-2			X		0830	4	X									PPM-0.0
5.	PARK AVE-3		X			0832	4		X	X	X						
6.	PARK AVE-3			X		0834	4	X									PPM-0.0
7.	PARK AVE-4		X			0837	4		X	X	X						
8.	PARK AVE-4			X		0839	4	X									PPM-0.0
9.	PARK AVE-5		X			0843	4		X	X	X						
10.	PARK AVE-5			X		0845	4	X									PPM-0.0

PRESERVATIVES

COMMENTS ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

	DATE/TIME	RECEIVED BY:
1. RELINQUISHED BY SAMPLER:	1015 6-23-25	1.
2. RELINQUISHED BY SAMPLER:	DATE/TIME:	2. RECEIVED BY:
3. RELINQUISHED BY SAMPLER:	DATE/TIME: 1100 6-23-25	3. RECEIVED BY:

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 3.1 °C
Comments:

Page 1 of 2

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2393
COC Number 2046383

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: UNION PAVING & CONSTRUCTION
ADDRESS: 190 PARK AVE
CITY HANOVER TWP STATE: NJ ZIP:
ATTENTION: GERARD BUSACCO
PHONE (201) 315-5055 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 190 PARK AVE HANOVER TWP NJ-PO 3556-001
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1	2	3	4	5	6	7	8	9
	VOCs	Gen. Met., Mercury	PCBs, Pest, PH, SVOCs					

PRESERVATIVES

1	2	3	4	5	6	7	8	9
E/F	E	E						

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	PARK AVE-6	S.	X		6-23	0852	4		X	X							
2.	PARK AVE-6	S.		X	6-23	0854	4	X									PPM-0.0
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	1015 6-23-25	1.
2.	DATE/TIME:	2.
3.	DATE/TIME: 1100 6-23-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2393 UNIO02
Client Name : Union Paving & Constructi
Client Contact : Gerard Busacco
Invoice Name : Union Paving & Constructi
Invoice Contact : Gerard Busacco

Order Date : 6/23/2025 11:43:58 AM
Project Name : 190 Park Ave Hanover Twp
Receive DateTime : 6/23/2025 ~~2:00:00 PM~~ 11:40 PM
Purchase Order :

Project Mgr :
Report Type : Level 3
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2393-02	PARK AVE -1	Solid	06/23/2025	08:22					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2393-04	PARK AVE -2	Solid	06/23/2025	08:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2393-06	PARK AVE -3	Solid	06/23/2025	08:34					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2393-08	PARK AVE -4	Solid	06/23/2025	08:39					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2393-10	PARK AVE -5	Solid	06/23/2025	08:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2393-12	PARK AVE -6	Solid	06/23/2025	08:54					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2393 UNIO02
Client Name : Union Paving & Constructi
Client Contact : Gerard Busacco
Invoice Name : Union Paving & Constructi
Invoice Contact : Gerard Busacco

Order Date : 6/23/2025 11:43:58 AM
Project Name : 190 Park Ave Hanover Twp
Receive DateTime : 6/23/2025 ~~2:00:00 PM~~ 11:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 3
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 6/23/25 1330

Received By :
Date / Time : 06/23/25 13:30
Storage Area : VOA Refridgerator Room

Reg # 6
FZ2