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Cover Page

Order ID : Q2529

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2529-01	TP-91
Q2529-02	TP-80
Q2529-03	TP-79
Q2529-04	TP-95
Q2529-05	TP-98
Q2529-06	TP-102
Q2529-07	TP-101
Q2529-08	TP-89
Q2529-09	TP-33
Q2529-10	TP-30

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

Signature : _____

Date: 7/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2529**

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

QA Review Signature: **KETAN PATEL** **Date:** **07/12/2025**

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LAB CHRONICLE

OrderID:	Q2529	**OrderDate:**	7/8/2025 3:36:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2529-01	**TP-91**	**SOIL**			**07/03/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	
Q2529-02	**TP-80**	**SOIL**			**07/07/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	
Q2529-03	**TP-79**	**SOIL**			**07/07/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	
Q2529-04	**TP-95**	**SOIL**			**07/07/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	
Q2529-05	**TP-98**	**SOIL**			**07/07/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	
Q2529-06	**TP-102**	**SOIL**			**07/07/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	
Q2529-07	**TP-101**	**SOIL**			**07/07/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	
Q2529-08	**TP-89**	**SOIL**			**07/08/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	
Q2529-09	**TP-33**	**SOIL**			**07/08/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	
Q2529-10	**TP-30**	**SOIL**			**07/08/25**			**07/08/25**
			Pesticide-TCL	8081B		07/09/25	07/09/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2529 **Order ID:** Q2529

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-91								
Q2529-01	TP-91	SOIL	4,4-DDE	0.42	JP	0.15	1.90	ug/kg
Q2529-01	TP-91	SOIL	4,4-DDT	0.53	JP	0.15	1.90	ug/kg
			Total Concentration:	**0.950**				
Client ID : TP-80								
Q2529-02	TP-80	SOIL	Dieldrin	1.30	JP	0.15	1.90	ug/kg
Q2529-02	TP-80	SOIL	Endrin	0.70	J	0.15	1.90	ug/kg
Q2529-02	TP-80	SOIL	4,4-DDT	0.56	JP	0.15	1.90	ug/kg
			Total Concentration:	**2.560**				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2529

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	16.1	80		61	148
		Decachlorobiphen	2	20	18.6	93		57	171
		Tetrachloro-m-xyl	2	20	17.7	88		61	148
I.BLK-PD089399.D	PIBLK-PD089399.D	Decachlorobiphen	1	20	21.9	110		57	171
		Tetrachloro-m-xyl	1	20	20.3	102		61	148
		Decachlorobiphen	2	20	23.9	120		57	171
		Tetrachloro-m-xyl	2	20	23.1	115		61	148
PB168765BL	PB168765BL	Decachlorobiphen	1	20	17.7	88		20	144
		Tetrachloro-m-xyl	1	20	15.8	79		19	148
		Decachlorobiphen	2	20	19.1	96		20	144
		Tetrachloro-m-xyl	2	20	18.4	92		19	148
PB168765BS	PB168765BS	Decachlorobiphen	1	20	18.5	93		20	144
		Tetrachloro-m-xyl	1	20	16.2	81		19	148
		Decachlorobiphen	2	20	20.2	101		20	144
		Tetrachloro-m-xyl	2	20	18.9	95		19	148
Q2517-01MS	TP-14MS	Decachlorobiphen	1	20	20.7	104		20	144
		Tetrachloro-m-xyl	1	20	18.3	91		19	148
		Decachlorobiphen	2	20	22.0	110		20	144
		Tetrachloro-m-xyl	2	20	20.9	104		19	148
Q2517-01MSD	TP-14MSD	Decachlorobiphen	1	20	20.8	104		20	144
		Tetrachloro-m-xyl	1	20	18.6	93		19	148
		Decachlorobiphen	2	20	22.0	110		20	144
		Tetrachloro-m-xyl	2	20	21.1	105		19	148
I.BLK-PD089412.D	PIBLK-PD089412.D	Decachlorobiphen	1	20	19.8	99		57	171
		Tetrachloro-m-xyl	1	20	20.5	103		61	148
		Decachlorobiphen	2	20	21.5	107		57	171
		Tetrachloro-m-xyl	2	20	23.1	115		61	148
Q2529-01	TP-91	Decachlorobiphen	1	20	13.1	66		20	144
		Tetrachloro-m-xyl	1	20	15.4	77		19	148
		Decachlorobiphen	2	20	13.1	66		20	144
		Tetrachloro-m-xyl	2	20	16.9	85		19	148
Q2529-02	TP-80	Decachlorobiphen	1	20	18.0	90		20	144
		Tetrachloro-m-xyl	1	20	15.9	79		19	148
		Decachlorobiphen	2	20	16.1	80		20	144
		Tetrachloro-m-xyl	2	20	17.7	89		19	148
Q2529-03	TP-79	Decachlorobiphen	1	20	13.7	69		20	144
		Tetrachloro-m-xyl	1	20	16.1	80		19	148
		Decachlorobiphen	2	20	13.9	70		20	144
		Tetrachloro-m-xyl	2	20	17.6	88		19	148
Q2529-04	TP-95	Decachlorobiphen	1	20	11.8	59		20	144

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Surrogate Summary

SDG No.: Q2529

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2529-04	TP-95	Tetrachloro-m-xyl	1	20	14.9	75		19	148
		Decachlorobiphen	2	20	11.8	59		20	144
		Tetrachloro-m-xyl	2	20	16.4	82		19	148
Q2529-05	TP-98	Decachlorobiphen	1	20	14.3	72		20	144
		Tetrachloro-m-xyl	1	20	17.9	90		19	148
		Decachlorobiphen	2	20	15.4	77		20	144
		Tetrachloro-m-xyl	2	20	19.7	99		19	148
Q2529-06	TP-102	Decachlorobiphen	1	20	11.8	59		20	144
		Tetrachloro-m-xyl	1	20	12.6	63		19	148
		Decachlorobiphen	2	20	10.1	51		20	144
		Tetrachloro-m-xyl	2	20	13.8	69		19	148
Q2529-07	TP-101	Decachlorobiphen	1	20	12.8	64		20	144
		Tetrachloro-m-xyl	1	20	16.3	81		19	148
		Decachlorobiphen	2	20	12.3	61		20	144
		Tetrachloro-m-xyl	2	20	18.2	91		19	148
Q2529-08	TP-89	Decachlorobiphen	1	20	13.0	65		20	144
		Tetrachloro-m-xyl	1	20	15.7	78		19	148
		Decachlorobiphen	2	20	13.3	67		20	144
		Tetrachloro-m-xyl	2	20	17.9	89		19	148
Q2529-09	TP-33	Decachlorobiphen	1	20	15.6	78		20	144
		Tetrachloro-m-xyl	1	20	17.1	86		19	148
		Decachlorobiphen	2	20	16.3	81		20	144
		Tetrachloro-m-xyl	2	20	19.1	96		19	148
Q2529-10	TP-30	Decachlorobiphen	1	20	15.5	77		20	144
		Tetrachloro-m-xyl	1	20	16.8	84		19	148
		Decachlorobiphen	2	20	16.3	81		20	144
		Tetrachloro-m-xyl	2	20	18.9	94		19	148
I.BLK-PD089424.D	PIBLK-PD089424.D	Decachlorobiphen	1	20	21.6	108		57	171
		Tetrachloro-m-xyl	1	20	20.9	104		61	148
		Decachlorobiphen	2	20	23.3	117		57	171
		Tetrachloro-m-xyl	2	20	24.3	121		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2529 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089405.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2517-01MS (Column 1)**	**Client Sample ID:**		**TP-14MS**								
	alpha-BHC	18.96	0	17.8	ug/kg	94				60	144	
	beta-BHC	18.96	0	17.7	ug/kg	93				54	143	
	delta-BHC	18.96	0	19.1	ug/kg	101				29	151	
	gamma-BHC (Lindane)	18.96	0	17.9	ug/kg	94				61	140	
	Heptachlor	18.96	0	18.2	ug/kg	96				63	135	
	Aldrin	18.96	0	18.3	ug/kg	97				49	139	
	Heptachlor epoxide	18.96	0	17.9	ug/kg	94				41	156	
	Endosulfan I	18.96	0	18.0	ug/kg	95				56	142	
	Dieldrin	18.96	0	18.1	ug/kg	95				47	161	
	4,4'-DDE	18.96	0	18.1	ug/kg	95				55	136	
	Endrin	18.96	0	18.2	ug/kg	96				57	139	
	Endosulfan II	18.96	0	14.6	ug/kg	77				40	163	
	4,4'-DDD	18.96	0	18.4	ug/kg	97				47	163	
	Endosulfan sulfate	18.96	0	17.7	ug/kg	93				62	139	
	4,4'-DDT	18.96	0	18.2	ug/kg	96				51	146	
	Methoxychlor	18.96	0	17.8	ug/kg	94				54	136	
	Endrin ketone	18.96	0	18.2	ug/kg	96				60	129	
	Endrin aldehyde	18.96	0	18.0	ug/kg	95				59	132	
	alpha-Chlordane	18.96	0	17.9	ug/kg	94				39	166	
	gamma-Chlordane	18.96	0	17.3	ug/kg	91				44	175	
Lab Sample ID:	**Q2517-01MS (Column 2)**	**Client Sample ID:**		**TP-14MS**								
	alpha-BHC	18.96	0	18.7	ug/kg	99				60	144	
	beta-BHC	18.96	0	18.3	ug/kg	97				54	143	
	delta-BHC	18.96	0	18.8	ug/kg	99				29	151	
	gamma-BHC (Lindane)	18.96	0	18.7	ug/kg	99				61	140	
	Heptachlor	18.96	0	18.5	ug/kg	98				63	135	
	Aldrin	18.96	0	18.7	ug/kg	99				49	139	
	Heptachlor epoxide	18.96	0	18.6	ug/kg	98				41	156	
	Endosulfan I	18.96	0	18.6	ug/kg	98				56	142	
	Dieldrin	18.96	0	18.6	ug/kg	98				47	161	
	4,4'-DDE	18.96	0	18.8	ug/kg	99				55	136	
	Endrin	18.96	0	18.2	ug/kg	96				57	139	
	Endosulfan II	18.96	0	18.7	ug/kg	99				40	163	
	4,4'-DDD	18.96	0	17.4	ug/kg	92				47	163	
	Endosulfan sulfate	18.96	0	18.3	ug/kg	97				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2529 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089405.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	18.96	0	18.7	ug/kg	99				51	146	
Methoxychlor	18.96	0	18.1	ug/kg	95				54	136	
Endrin ketone	18.96	0	18.7	ug/kg	99				60	129	
Endrin aldehyde	18.96	0	18.4	ug/kg	97				59	132	
alpha-Chlordane	18.96	0	19.1	ug/kg	101				39	166	
gamma-Chlordane	18.96	0	18.2	ug/kg	96				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2529 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089406.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2517-01MSD (Column 1)**	**Client Sample ID:**		**TP-14MSD**								
	alpha-BHC	18.95	0	18.1	ug/kg	96		2		60	144	20
	beta-BHC	18.95	0	17.9	ug/kg	94		1		54	143	20
	delta-BHC	18.95	0	19.4	ug/kg	102		1		29	151	20
	gamma-BHC (Lindane)	18.95	0	18.3	ug/kg	97		3		61	140	20
	Heptachlor	18.95	0	18.5	ug/kg	98		2		63	135	20
	Aldrin	18.95	0	18.3	ug/kg	97		0		49	139	20
	Heptachlor epoxide	18.95	0	18.1	ug/kg	96		2		41	156	20
	Endosulfan I	18.95	0	18.2	ug/kg	96		1		56	142	20
	Dieldrin	18.95	0	18.3	ug/kg	97		2		47	161	20
	4,4'-DDE	18.95	0	18.3	ug/kg	97		2		55	136	20
	Endrin	18.95	0	18.4	ug/kg	97		1		57	139	20
	Endosulfan II	18.95	0	14.6	ug/kg	77		0		40	163	20
	4,4'-DDD	18.95	0	18.7	ug/kg	99		2		47	163	20
	Endosulfan sulfate	18.95	0	17.8	ug/kg	94		1		62	139	20
	4,4'-DDT	18.95	0	18.4	ug/kg	97		1		51	146	20
	Methoxychlor	18.95	0	18.0	ug/kg	95		1		54	136	20
	Endrin ketone	18.95	0	18.3	ug/kg	97		1		60	129	20
	Endrin aldehyde	18.95	0	18.3	ug/kg	97		2		59	132	20
	alpha-Chlordane	18.95	0	18.1	ug/kg	96		2		39	166	20
	gamma-Chlordane	18.95	0	17.5	ug/kg	92		1		44	175	20
Lab Sample ID:	**Q2517-01MSD (Column 2)**	**Client Sample ID:**		**TP-14MSD**								
	alpha-BHC	18.95	0	19.0	ug/kg	100		1		60	144	20
	beta-BHC	18.95	0	18.7	ug/kg	99		2		54	143	20
	delta-BHC	18.95	0	19.1	ug/kg	101		2		29	151	20
	gamma-BHC (Lindane)	18.95	0	19.1	ug/kg	101		2		61	140	20
	Heptachlor	18.95	0	18.9	ug/kg	100		2		63	135	20
	Aldrin	18.95	0	19.1	ug/kg	101		2		49	139	20
	Heptachlor epoxide	18.95	0	18.8	ug/kg	99		1		41	156	20
	Endosulfan I	18.95	0	18.9	ug/kg	100		2		56	142	20
	Dieldrin	18.95	0	18.9	ug/kg	100		2		47	161	20
	4,4'-DDE	18.95	0	19.1	ug/kg	101		2		55	136	20
	Endrin	18.95	0	18.5	ug/kg	98		2		57	139	20
	Endosulfan II	18.95	0	18.8	ug/kg	99		0		40	163	20
	4,4'-DDD	18.95	0	17.7	ug/kg	93		1		47	163	20
	Endosulfan sulfate	18.95	0	18.5	ug/kg	98		1		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2529 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089406.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	18.95	0	18.9	ug/kg	100		1		51	146	20
Methoxychlor	18.95	0	18.2	ug/kg	96		1		54	136	20
Endrin ketone	18.95	0	18.8	ug/kg	99		0		60	129	20
Endrin aldehyde	18.95	0	18.5	ug/kg	98		1		59	132	20
alpha-Chlordane	18.95	0	19.5	ug/kg	103		2		39	166	20
gamma-Chlordane	18.95	0	18.5	ug/kg	98		2		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2529 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PD089403.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168765BS (Column 1)	alpha-BHC	16.66	18.1	ug/kg	109				84	123	
	beta-BHC	16.66	17.2	ug/kg	103				82	123	
	delta-BHC	16.66	19.3	ug/kg	116				83	126	
	gamma-BHC (Lindane)	16.66	18.1	ug/kg	109				83	125	
	Heptachlor	16.66	18.6	ug/kg	112				83	122	
	Aldrin	16.66	18.4	ug/kg	110				82	124	
	Heptachlor epoxide	16.66	18.1	ug/kg	109				83	120	
	Endosulfan I	16.66	18.4	ug/kg	110				81	124	
	Dieldrin	16.66	18.6	ug/kg	112				85	121	
	4,4'-DDE	16.66	18.6	ug/kg	112				81	123	
	Endrin	16.66	17.9	ug/kg	107				76	130	
	Endosulfan II	16.66	18.6	ug/kg	112				80	125	
	4,4'-DDD	16.66	18.6	ug/kg	112				80	131	
	Endosulfan sulfate	16.66	18.4	ug/kg	110				81	122	
	4,4'-DDT	16.66	18.8	ug/kg	113				70	129	
	Methoxychlor	16.66	18.0	ug/kg	108				60	119	
	Endrin ketone	16.66	18.9	ug/kg	113				77	132	
	Endrin aldehyde	16.66	18.5	ug/kg	111				79	124	
	alpha-Chlordane	16.66	18.2	ug/kg	109				84	120	
	gamma-Chlordane	16.66	18.5	ug/kg	111				83	122	
PB168765BS (Column 2)	alpha-BHC	16.66	18.9	ug/kg	113				84	123	
	beta-BHC	16.66	18.6	ug/kg	112				82	123	
	delta-BHC	16.66	19.0	ug/kg	114				83	126	
	gamma-BHC (Lindane)	16.66	19.0	ug/kg	114				83	125	
	Heptachlor	16.66	18.8	ug/kg	113				83	122	
	Aldrin	16.66	19.1	ug/kg	115				82	124	
	Heptachlor epoxide	16.66	19.2	ug/kg	115				83	120	
	Endosulfan I	16.66	19.2	ug/kg	115				81	124	
	Dieldrin	16.66	19.1	ug/kg	115				85	121	
	4,4'-DDE	16.66	19.1	ug/kg	115				81	123	
	Endrin	16.66	18.0	ug/kg	108				76	130	
	Endosulfan II	16.66	19.1	ug/kg	115				80	125	
	4,4'-DDD	16.66	19.2	ug/kg	115				80	131	
	Endosulfan sulfate	16.66	19.1	ug/kg	115				81	122	
	4,4'-DDT	16.66	19.1	ug/kg	115				70	129	
	Methoxychlor	16.66	18.2	ug/kg	109				60	119	
	Endrin ketone	16.66	19.4	ug/kg	116				77	132	
	Endrin aldehyde	16.66	19.0	ug/kg	114				79	124	
	alpha-Chlordane	16.66	18.9	ug/kg	113				84	120	
	gamma-Chlordane	16.66	18.9	ug/kg	113				83	122	

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

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168765BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2529

Lab Sample ID: PB168765BL | Lab File ID: PD089402.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/09/2025

Date Analyzed (1): 07/09/2025 | Date Analyzed (2): 07/09/2025

Time Analyzed (1): 14:08 | Time Analyzed (2): 14:08

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
PB168765BS	PB168765BS	PD089403.D	07/09/2025	07/09/2025
TP-14MS	Q2517-01MS	PD089405.D	07/09/2025	07/09/2025
TP-14MSD	Q2517-01MSD	PD089406.D	07/09/2025	07/09/2025
TP-91	Q2529-01	PD089414.D	07/09/2025	07/09/2025
TP-80	Q2529-02	PD089415.D	07/09/2025	07/09/2025
TP-79	Q2529-03	PD089416.D	07/09/2025	07/09/2025
TP-95	Q2529-04	PD089417.D	07/09/2025	07/09/2025
TP-98	Q2529-05	PD089418.D	07/09/2025	07/09/2025
TP-102	Q2529-06	PD089419.D	07/09/2025	07/09/2025
TP-101	Q2529-07	PD089420.D	07/09/2025	07/09/2025
TP-89	Q2529-08	PD089421.D	07/09/2025	07/09/2025
TP-33	Q2529-09	PD089422.D	07/09/2025	07/09/2025
TP-30	Q2529-10	PD089423.D	07/09/2025	07/09/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PD089414.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-91	SDG No.:	Q2529
Lab Sample ID:	Q2529-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.9 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
PD089414.D	1	07/09/25 08:20	07/09/25 17:39	PB168765

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	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	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	0.42	JP	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	0.53	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	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		19 - 148	85%	SPK: 20

Raw Data: **PD089414.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-91	SDG No.:	Q2529
Lab Sample ID:	Q2529-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.9 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
PD089414.D	1	07/09/25 08:20	07/09/25 17:39	PB168765

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

Quantitation Report (QT Reviewed)

Sample Results: **PD089414.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 17:39
Operator : AR\AJ
Sample : Q2529-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-91

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:46:11 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...	3.552	2.879	43813968	287.0E6	15.356	16.927m
28)	SA Decachlor...	9.073	8.071	51603659	259.4E6	13.139m	13.121
	Target Compounds						
12)	B 4,4'-DDE	6.199	5.373	2965008	26245547	0.680m	1.145m#
17)	MA 4,4'-DDT	7.021	6.182	3138701	29353676	0.829m	1.447 #

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

Sample Results: **PD089414.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 17:39
Operator : AR\AJ
Sample : Q2529-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

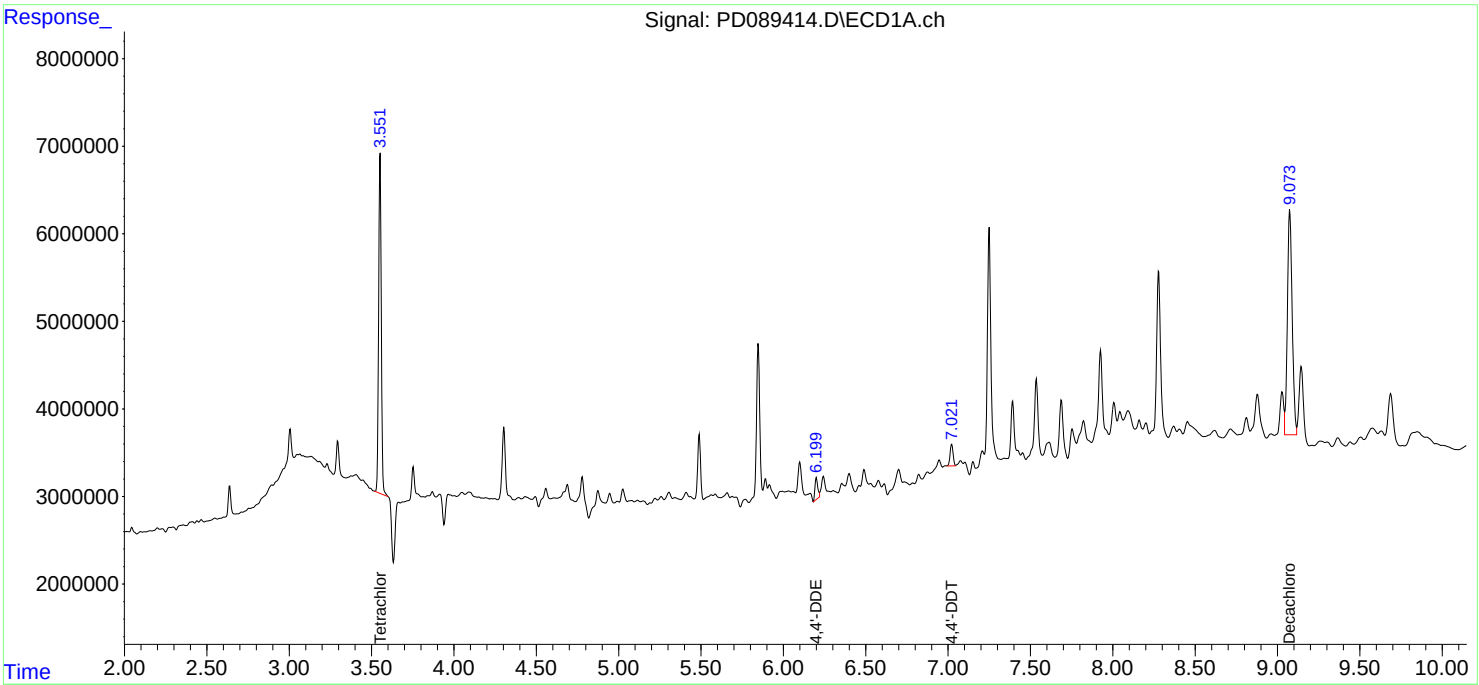
Instrument :
ECD_D
ClientSampleId :
TP-91

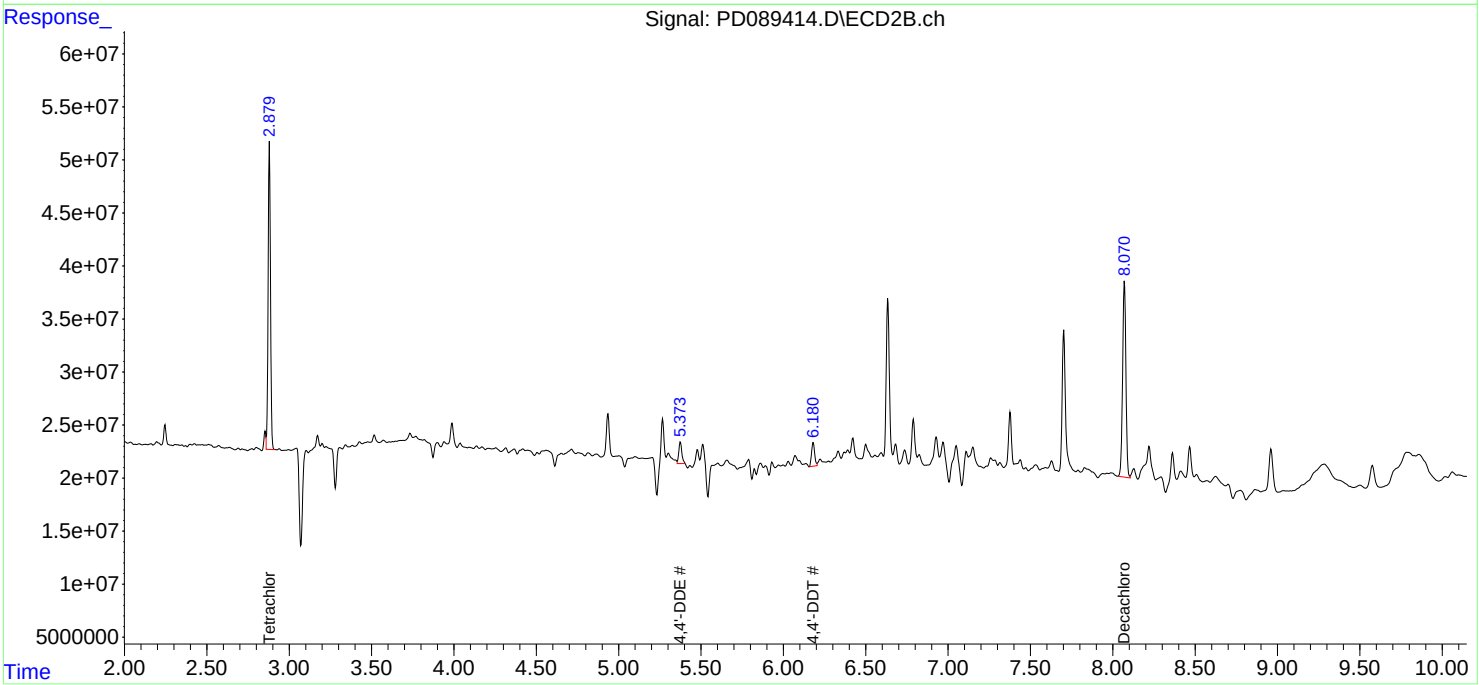
Manual Integrations APPROVED

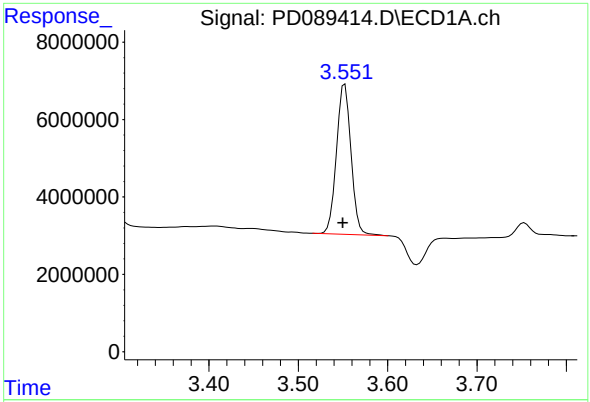
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:46:11 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







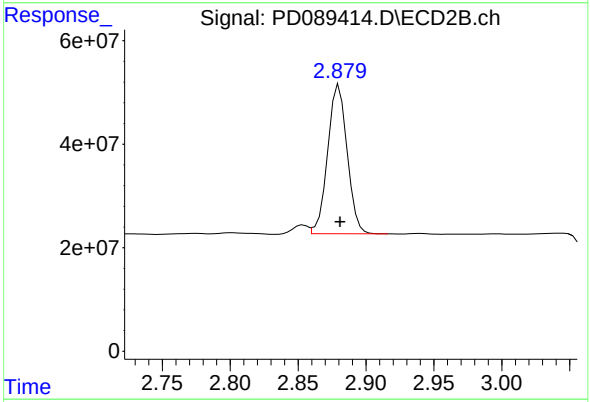
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.002 min
Response: 43813968
Conc: 15.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-91

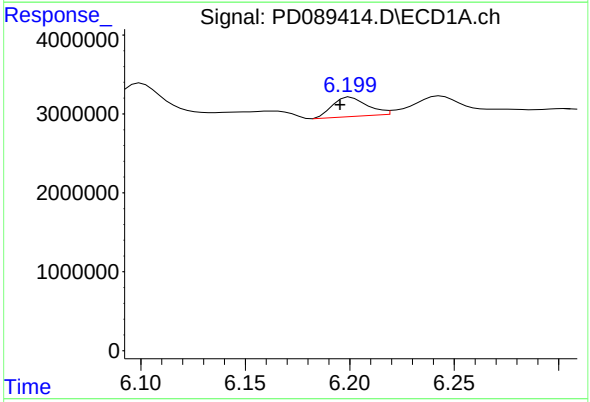
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



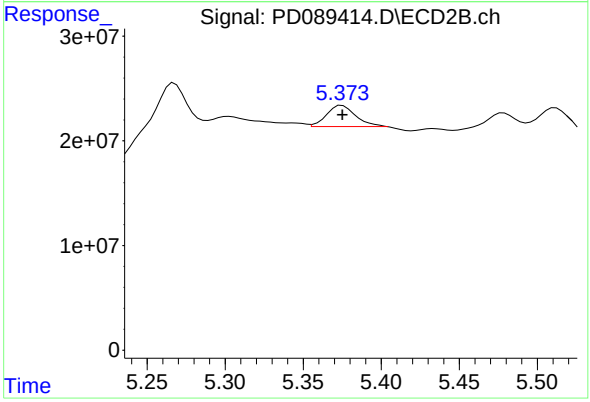
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 286972476
Conc: 16.93 ng/ml m



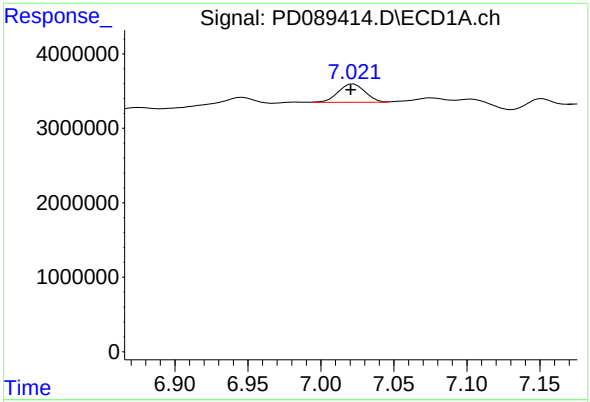
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.004 min
Response: 2965008
Conc: 0.68 ng/ml m



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 26245547
Conc: 1.15 ng/ml m



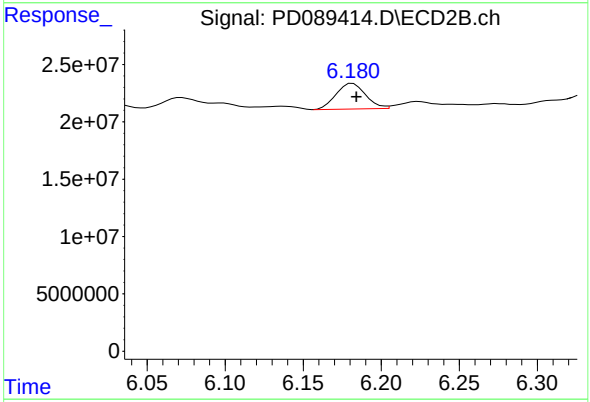
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 3138701
Conc: 0.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-91

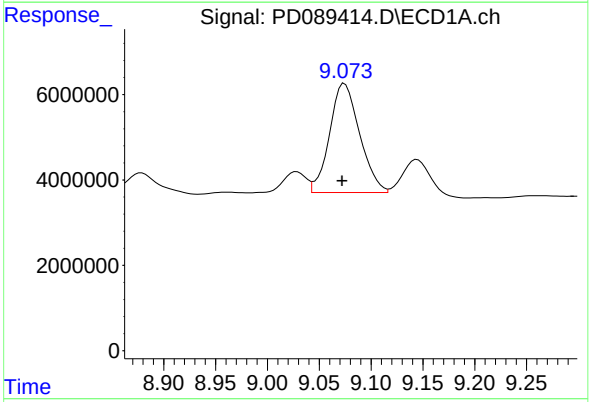
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



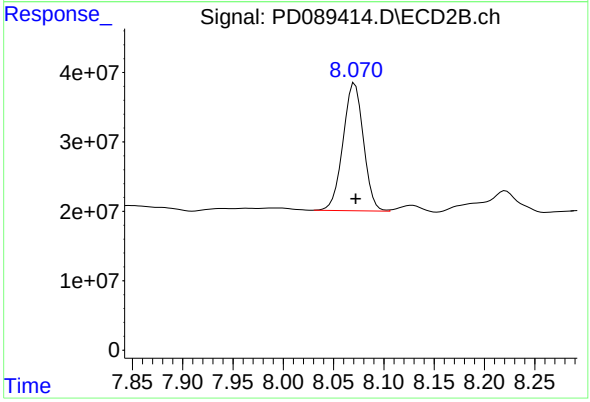
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 29353676
Conc: 1.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 51603659
Conc: 13.14 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 259407021
Conc: 13.12 ng/ml

Raw Data: **PD089415.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-80	SDG No.:	Q2529
Lab Sample ID:	Q2529-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089415.D	1	07/09/25 08:20	07/09/25 17:52	PB168765

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	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	1.30	JP	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.70	J	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	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.56	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	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.0		20 - 144	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		19 - 148	89%	SPK: 20

Raw Data: **PD089415.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-80	SDG No.:	Q2529
Lab Sample ID:	Q2529-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089415.D	1	07/09/25 08:20	07/09/25 17:52	PB168765

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: **PD089415.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 17:52
Operator : AR\AJ
Sample : Q2529-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-80

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:46:26 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	2.879	45328512	300.6E6	15.887	17.730m
28)	SA Decachlor...	9.073	8.070	70773889	317.8E6	18.020m	16.075
	Target Compounds						
13)	MA Dieldrin	6.350	5.510	8210308	82693989	1.711m	3.563m#
14)	MA Endrin	6.575	5.779	6745895	41196444	1.635m	1.897m
17)	MA 4,4'-DDT	7.023	6.180	3056515	31128035	0.807	1.535 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 17:52
Operator : AR\AJ
Sample : Q2529-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

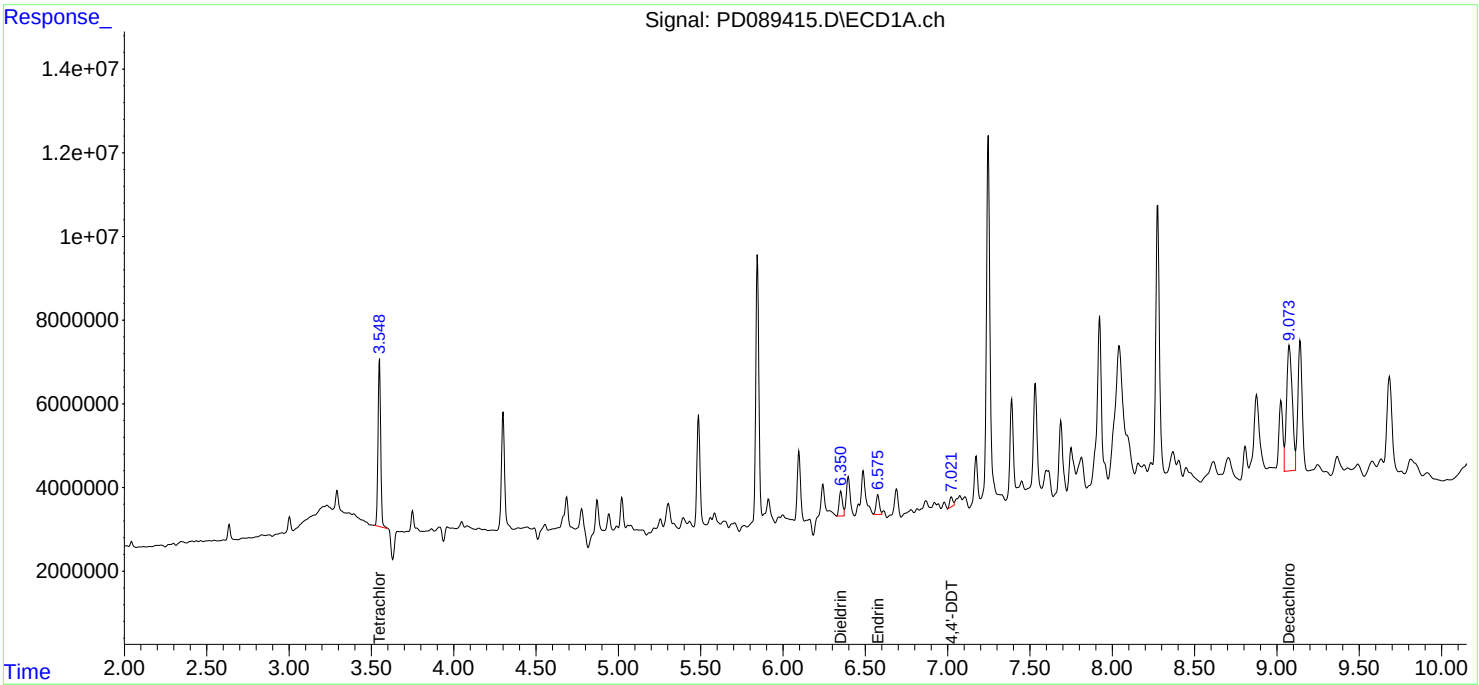
Instrument :
ECD_D
ClientSampleId :
TP-80

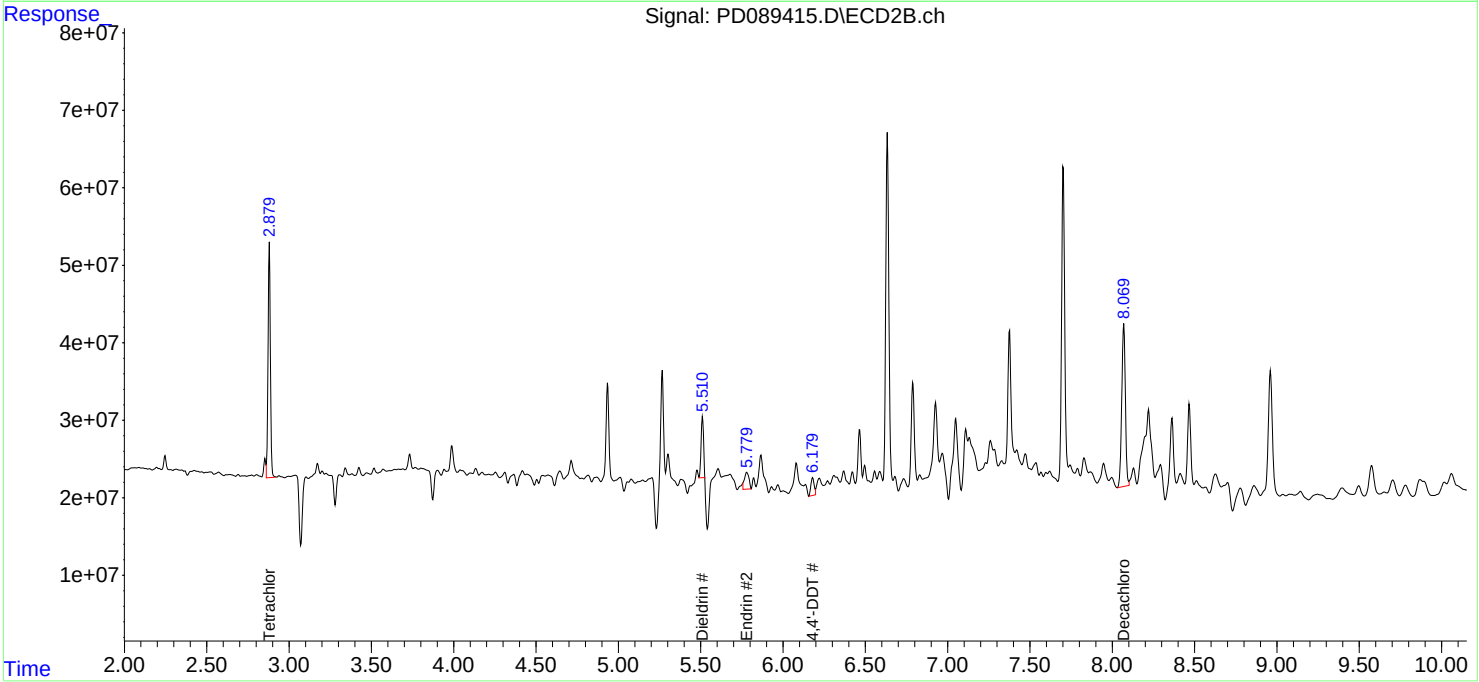
Manual Integrations APPROVED

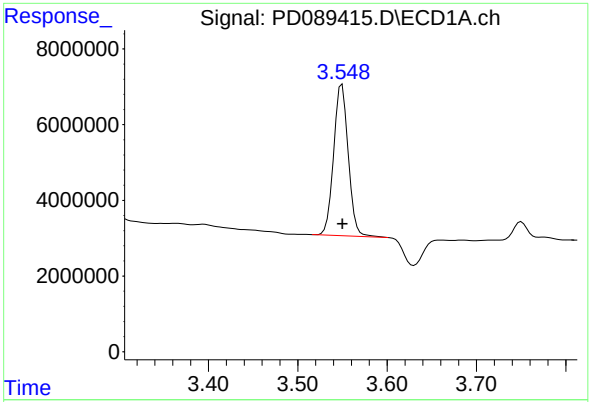
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:46:26 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







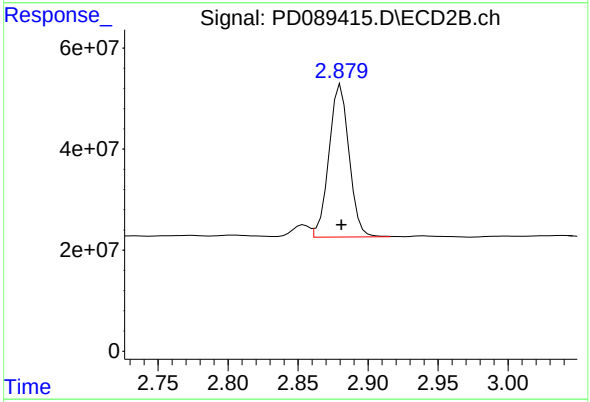
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45328512
Conc: 15.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-80

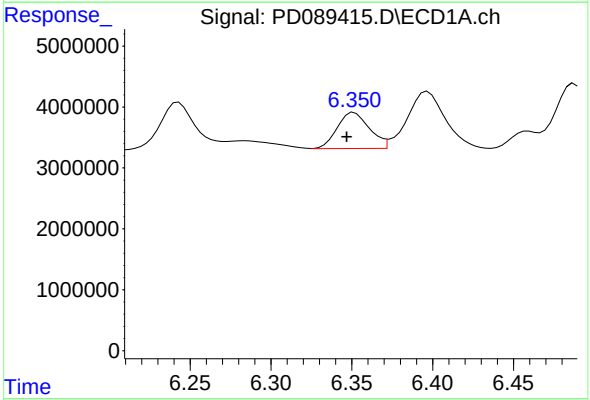
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



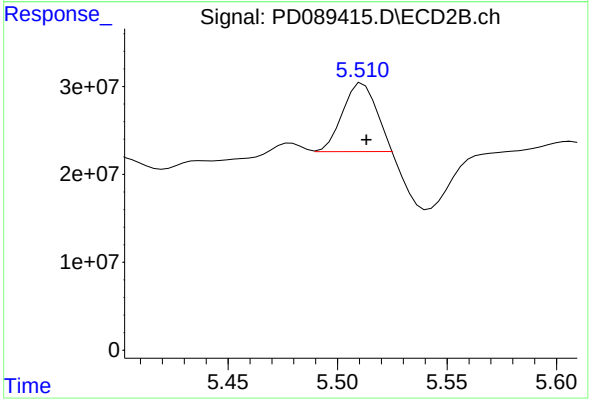
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 300586951
Conc: 17.73 ng/ml m



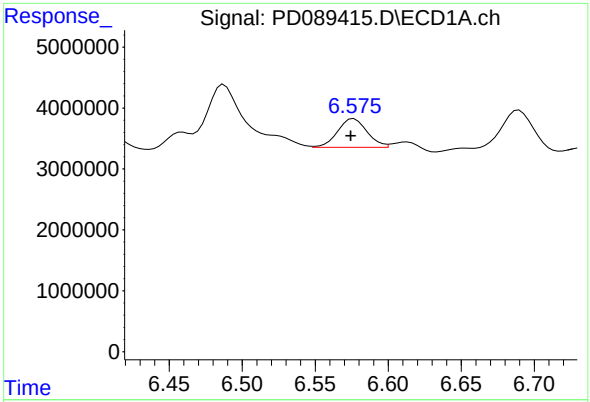
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.003 min
Response: 8210308
Conc: 1.71 ng/ml m



#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 82693989
Conc: 3.56 ng/ml m



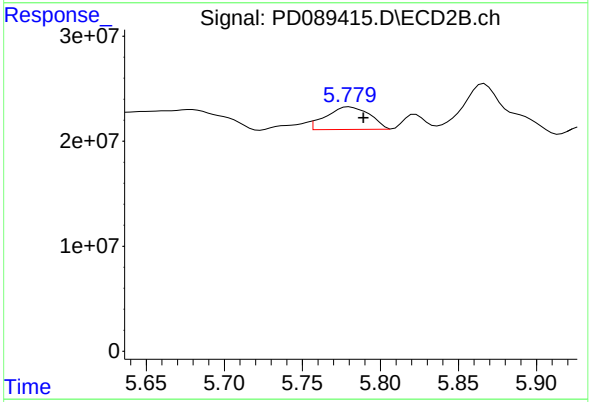
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 6745895
Conc: 1.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-80

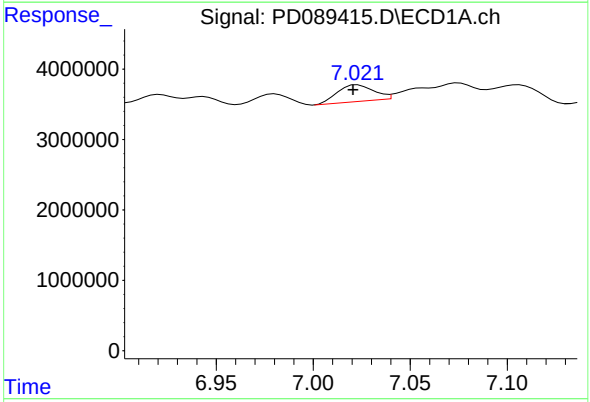
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



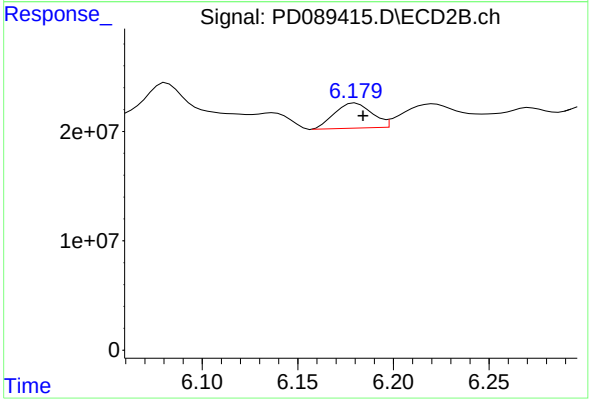
#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.010 min
Response: 41196444
Conc: 1.90 ng/ml m



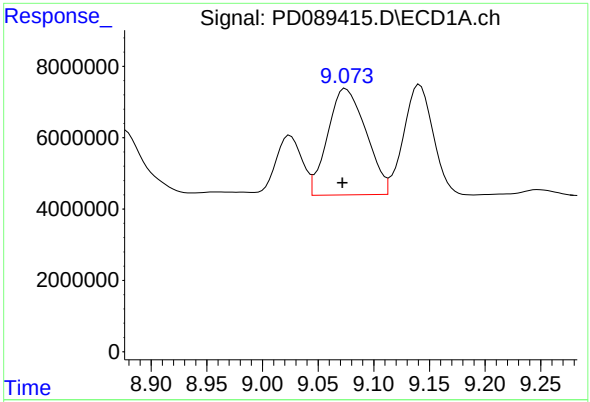
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.002 min
Response: 3056515
Conc: 0.81 ng/ml



#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 31128035
Conc: 1.53 ng/ml



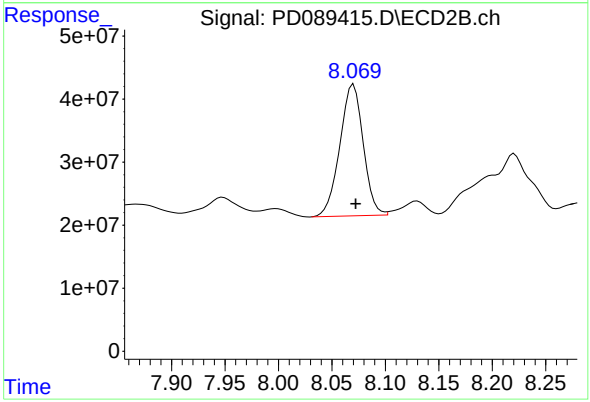
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 70773889
Conc: 18.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-80

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 317809355
Conc: 16.08 ng/ml

Raw Data: **PD089416.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-79	SDG No.:	Q2529
Lab Sample ID:	Q2529-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.6 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
PD089416.D	1	07/09/25 08:20	07/09/25 18:06	PB168765

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	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	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	0.15	U	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	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	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	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		20 - 144	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		19 - 148	88%	SPK: 20

Raw Data: **PD089416.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-79	SDG No.:	Q2529
Lab Sample ID:	Q2529-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.6 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
PD089416.D	1	07/09/25 08:20	07/09/25 18:06	PB168765

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: **PD089416.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 18:06
Operator : AR\AJ
Sample : Q2529-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-79

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:46:39 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	2.879	45837106	297.9E6	16.066	17.570m
28)	SA Decachlor...	9.072	8.071	53928519	275.0E6	13.731	13.908
	Target Compounds						

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

Sample Results: **PD089416.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 18:06
Operator : AR\AJ
Sample : Q2529-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

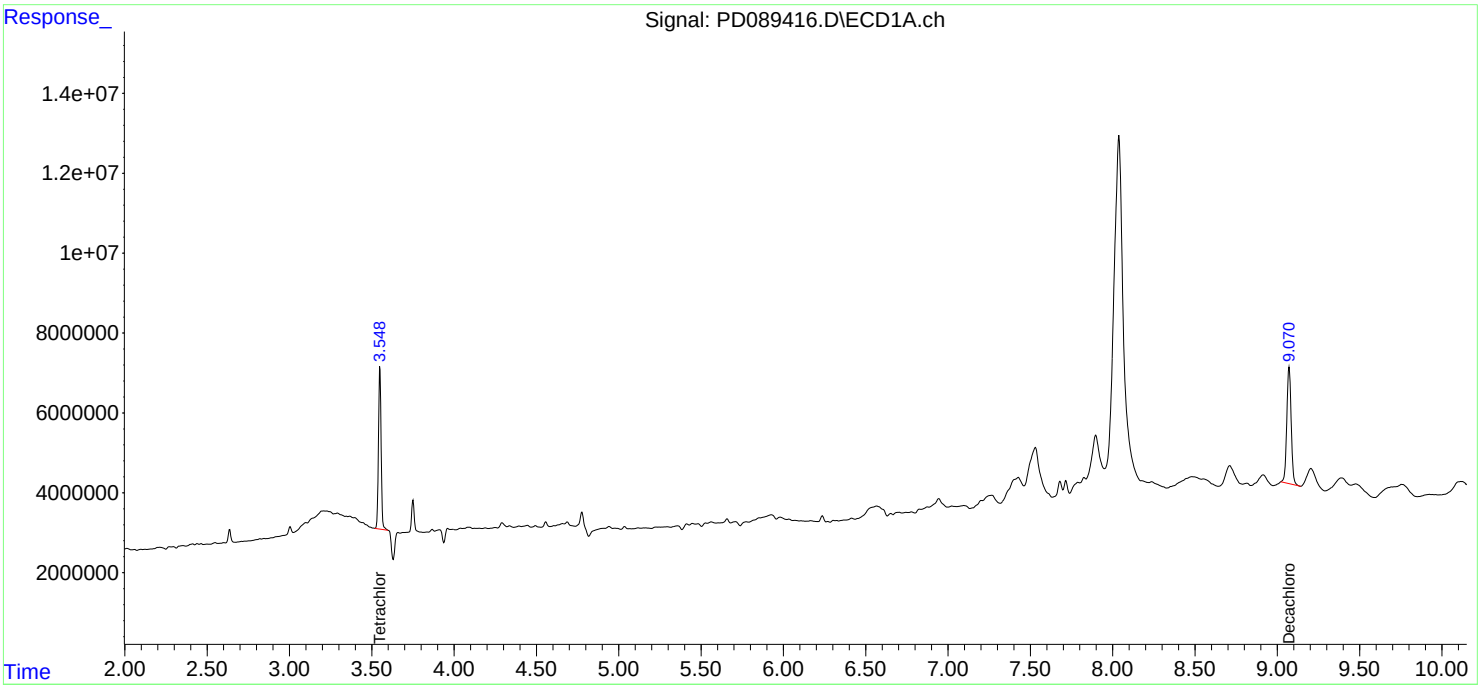
Instrument :
ECD_D
ClientSampleId :
TP-79

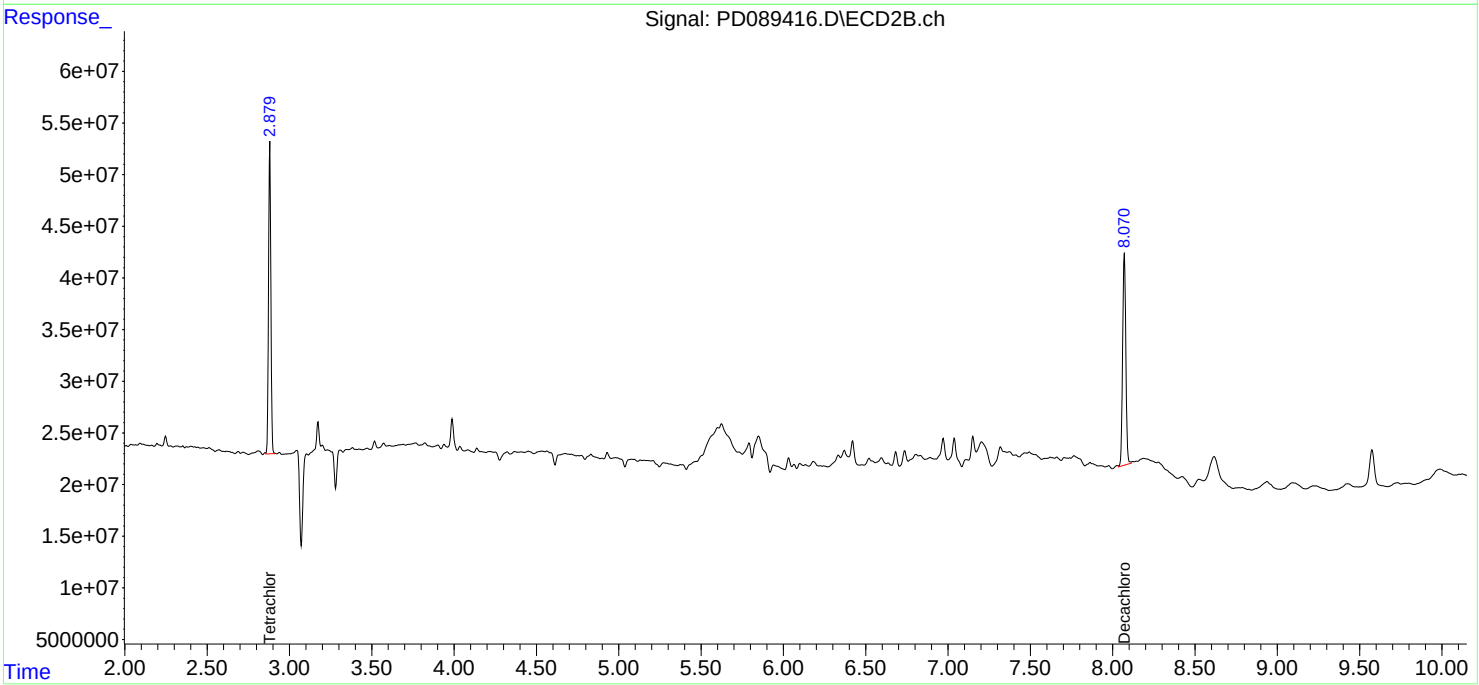
Manual Integrations APPROVED

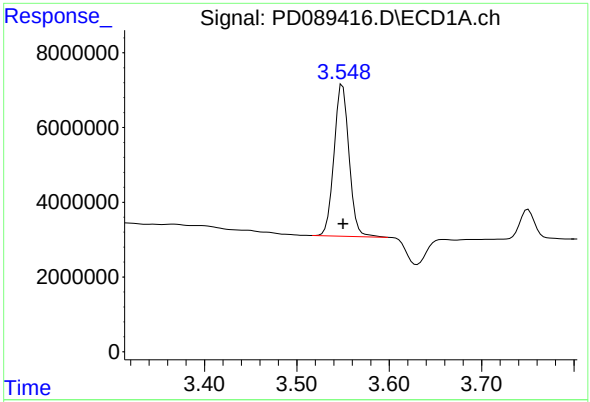
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:46:39 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







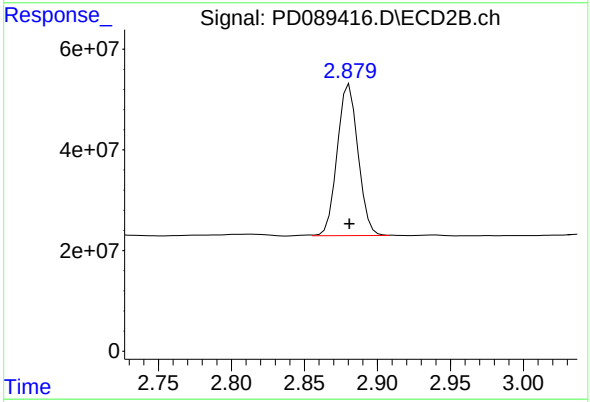
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 45837106
Conc: 16.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-79

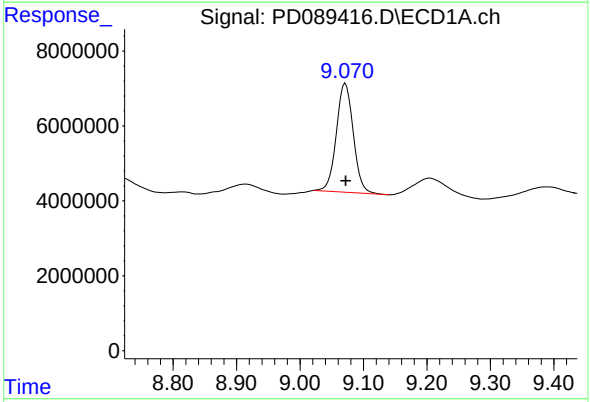
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



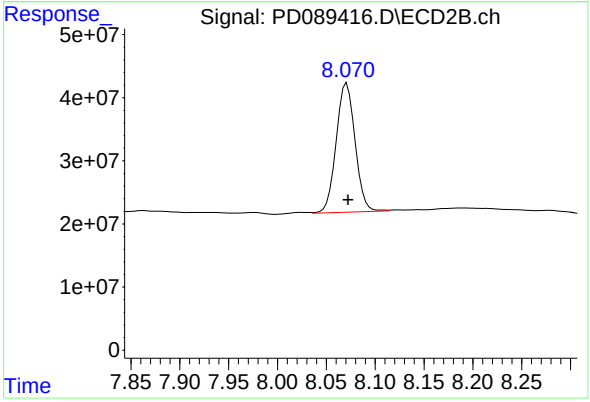
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 297868884
Conc: 17.57 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 53928519
Conc: 13.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 274958460
Conc: 13.91 ng/ml

Raw Data: **PD089417.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-95	SDG No.:	Q2529
Lab Sample ID:	Q2529-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PD089417.D	1	07/09/25 08:20	07/09/25 18:20	PB168765

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	0.21	U	0.21	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	39.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.8		20 - 144	59%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		19 - 148	82%	SPK: 20

Raw Data: **PD089417.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-95	SDG No.:	Q2529
Lab Sample ID:	Q2529-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PD089417.D	1	07/09/25 08:20	07/09/25 18:20	PB168765

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: **PD089417.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 18:20
Operator : AR\AJ
Sample : Q2529-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-95

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:46:53 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...	3.549	2.879	42604206	278.2E6	14.932	16.408m
28)	SA Decachlor...	9.070	8.070	46202442	233.1E6	11.763m	11.790
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 18:20
Operator : AR\AJ
Sample : Q2529-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

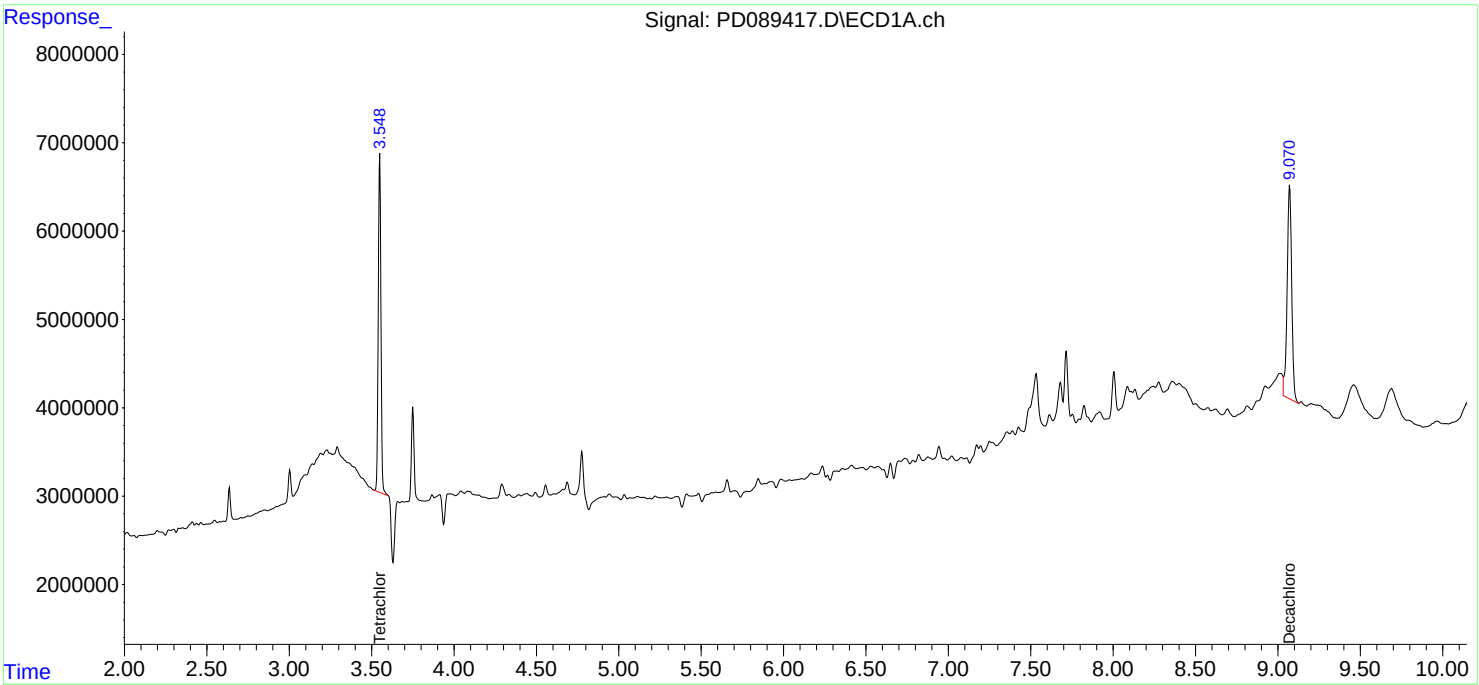
Instrument :
ECD_D
ClientSampleId :
TP-95

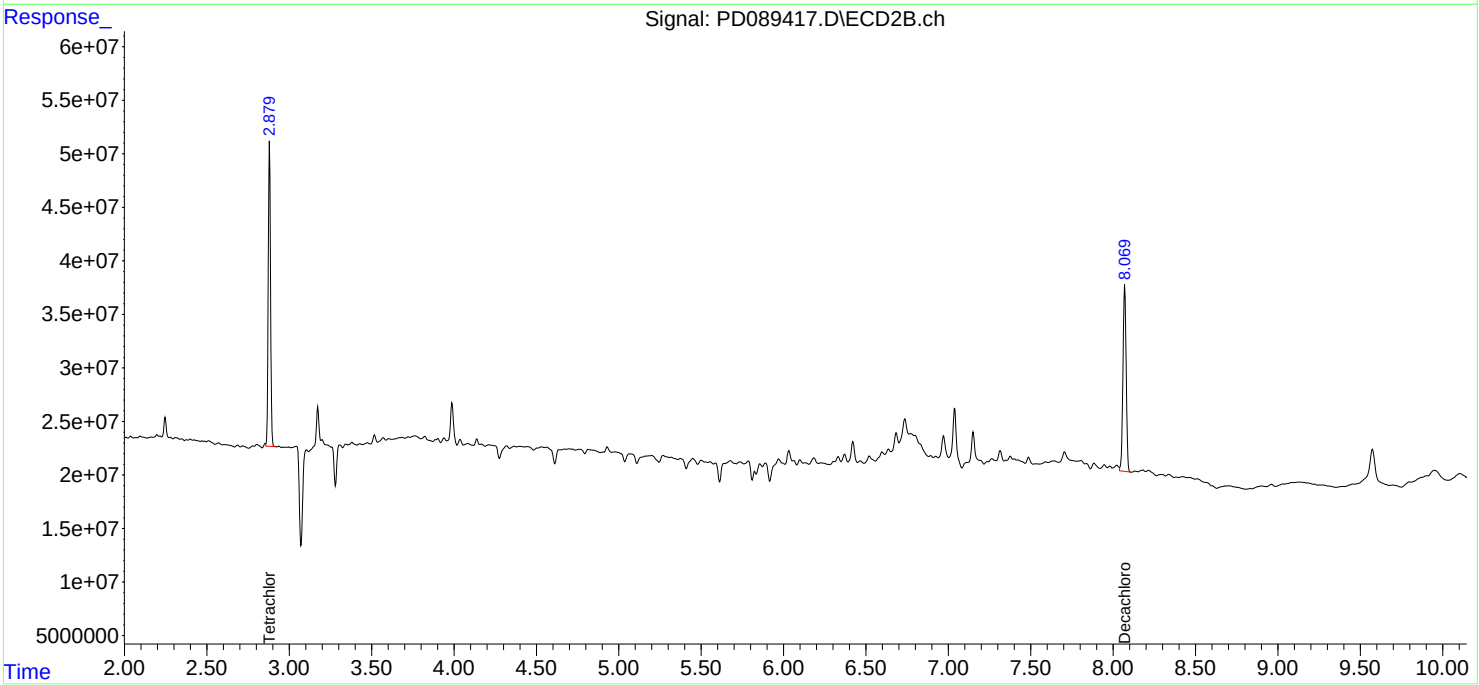
Manual Integrations APPROVED

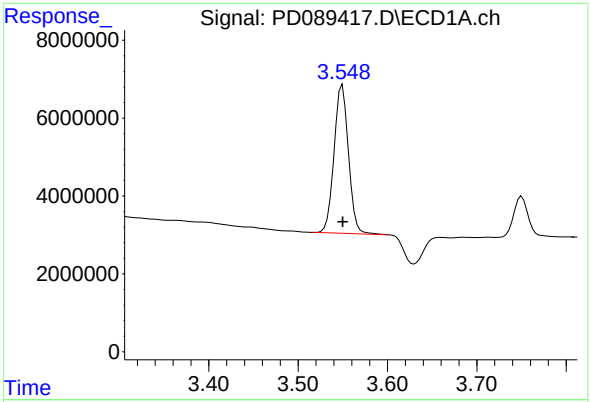
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:46:53 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







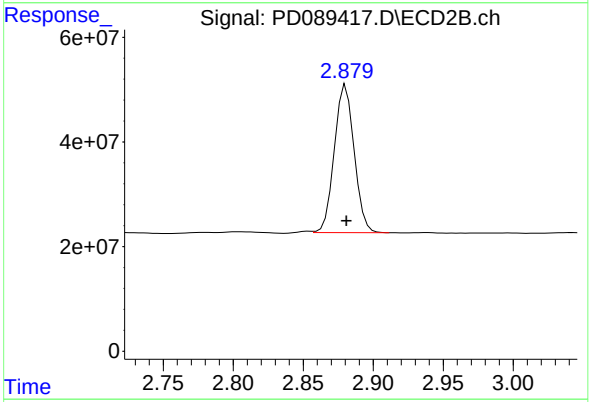
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 42604206
Conc: 14.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-95

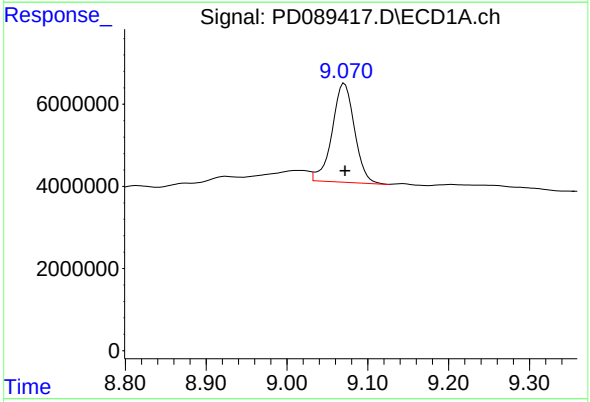
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



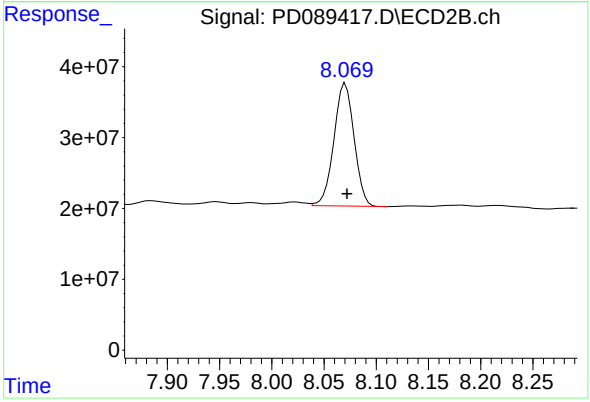
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 278174851
Conc: 16.41 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 46202442
Conc: 11.76 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 233087316
Conc: 11.79 ng/ml

Raw Data: **PD089418.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-98	SDG No.:	Q2529
Lab Sample ID:	Q2529-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.9 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089418.D	1	07/09/25 08:20	07/09/25 18:33	PB168765

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	0.16	U	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	0.16	U	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	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	38.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.7		19 - 148	99%	SPK: 20

Raw Data: **PD089418.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-98	SDG No.:	Q2529
Lab Sample ID:	Q2529-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.9 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089418.D	1	07/09/25 08:20	07/09/25 18:33	PB168765

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: **PD089418.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 18:33
Operator : AR\AJ
Sample : Q2529-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-98

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:06 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	2.878	51122413	334.1E6	17.918	19.707m
28)	SA Decachlor...	9.071	8.071	56264790	304.4E6	14.325	15.396
	Target Compounds						

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

Sample Results: **PD089418.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 18:33
Operator : AR\AJ
Sample : Q2529-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

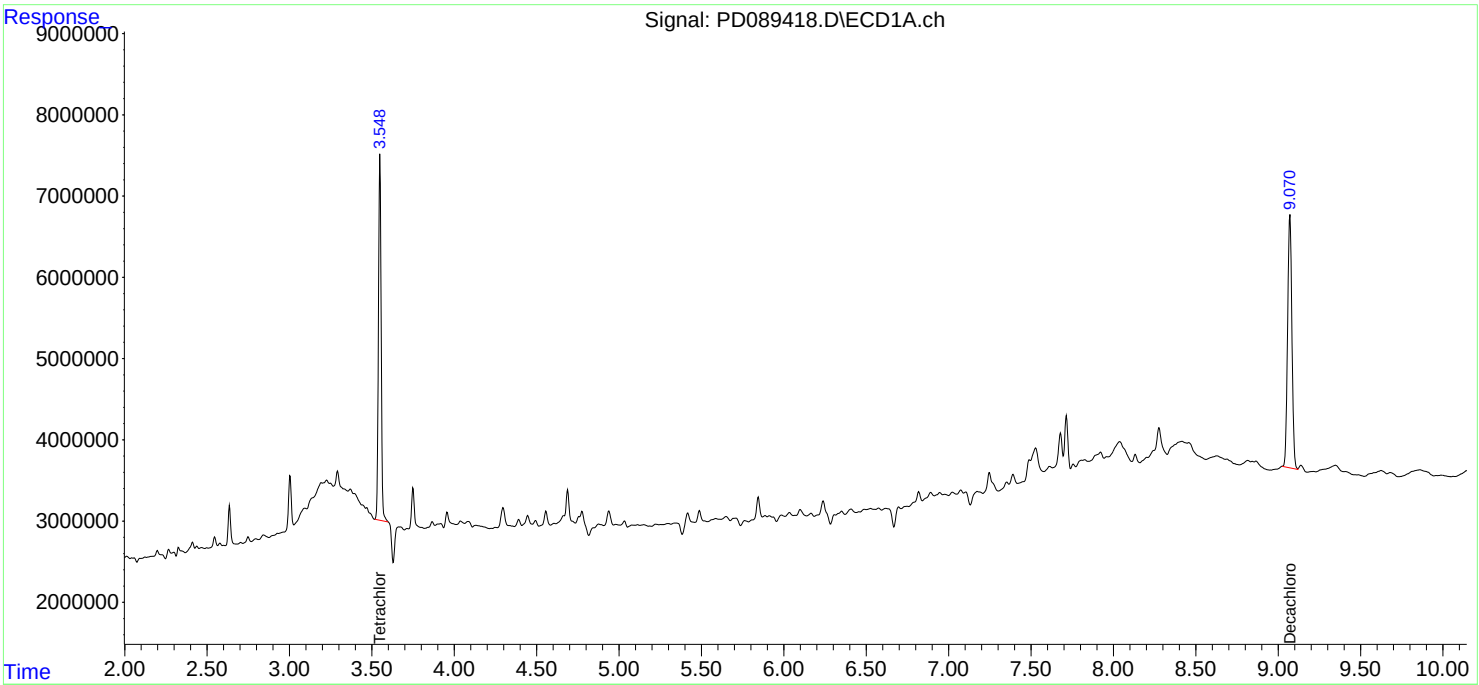
Instrument :
ECD_D
ClientSampleId :
TP-98

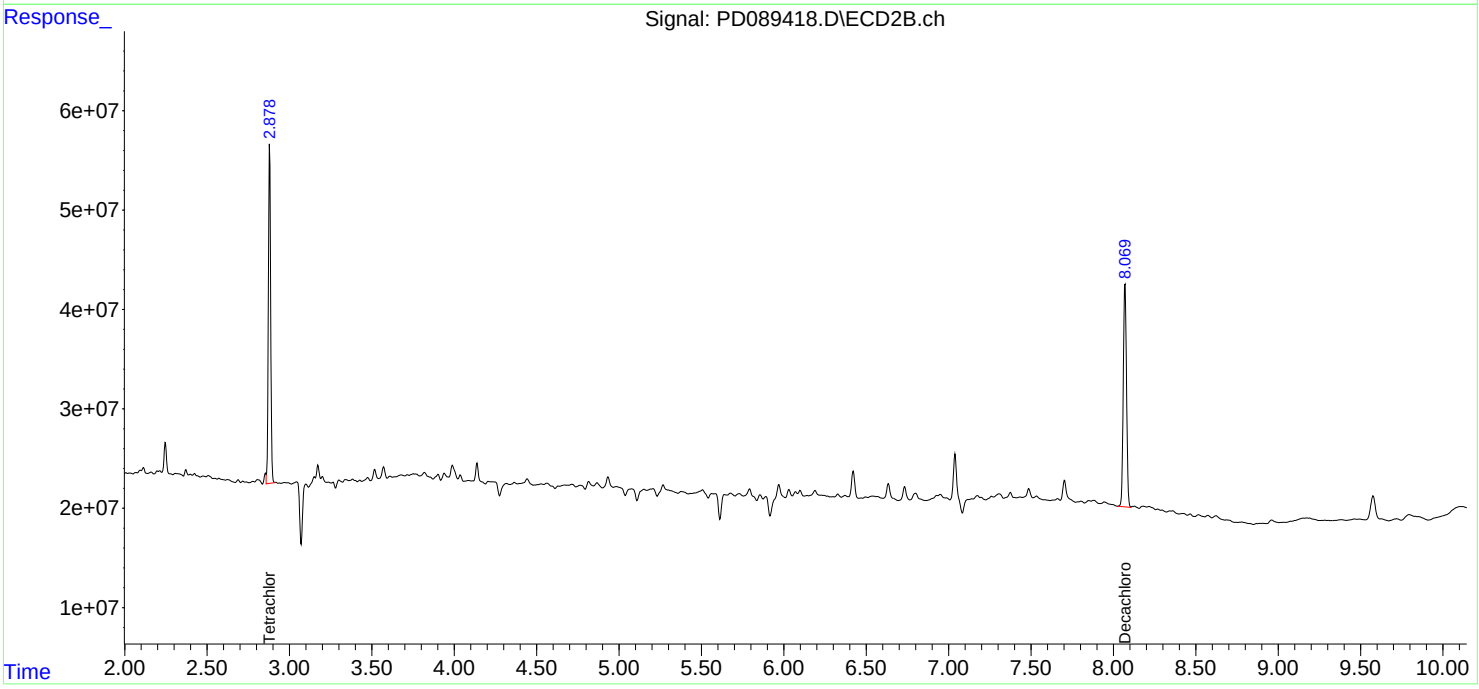
Manual Integrations APPROVED

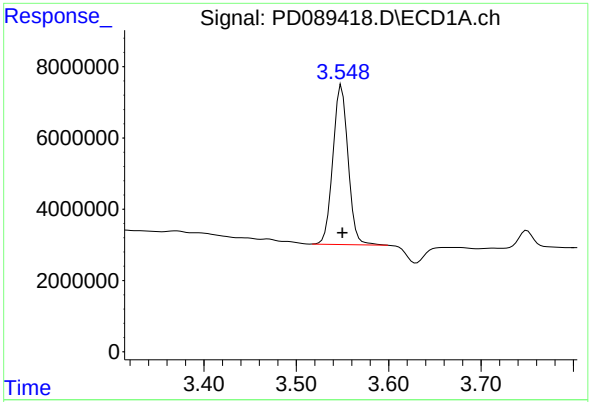
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:06 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







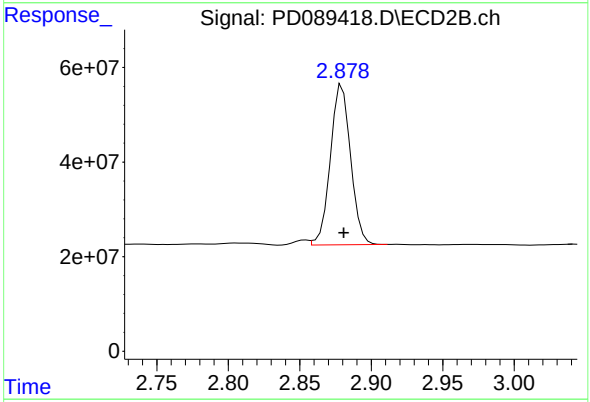
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 51122413
Conc: 17.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-98

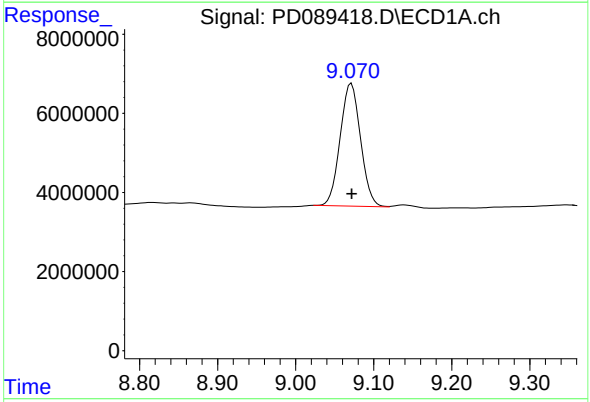
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



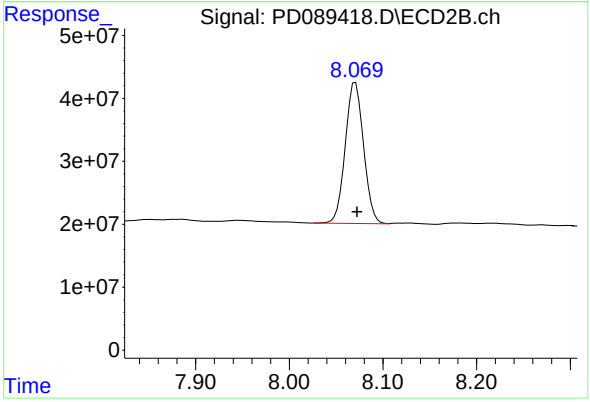
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.003 min
Response: 334102966
Conc: 19.71 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 56264790
Conc: 14.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 304376987
Conc: 15.40 ng/ml

Raw Data: **PD089419.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-102	SDG No.:	Q2529
Lab Sample ID:	Q2529-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.6 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
PD089419.D	1	07/09/25 08:20	07/09/25 18:47	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	34.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.8		20 - 144	59%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.8		19 - 148	69%	SPK: 20

Raw Data: **PD089419.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-102	SDG No.:	Q2529
Lab Sample ID:	Q2529-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.6 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
PD089419.D	1	07/09/25 08:20	07/09/25 18:47	PB168765

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: **PD089419.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 18:47
Operator : AR\AJ
Sample : Q2529-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-102

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:19 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	35806575	234.2E6	12.550	13.815
28)	SA Decachlor...	9.071	8.071	46305339	200.0E6	11.790	10.117
	Target Compounds						

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

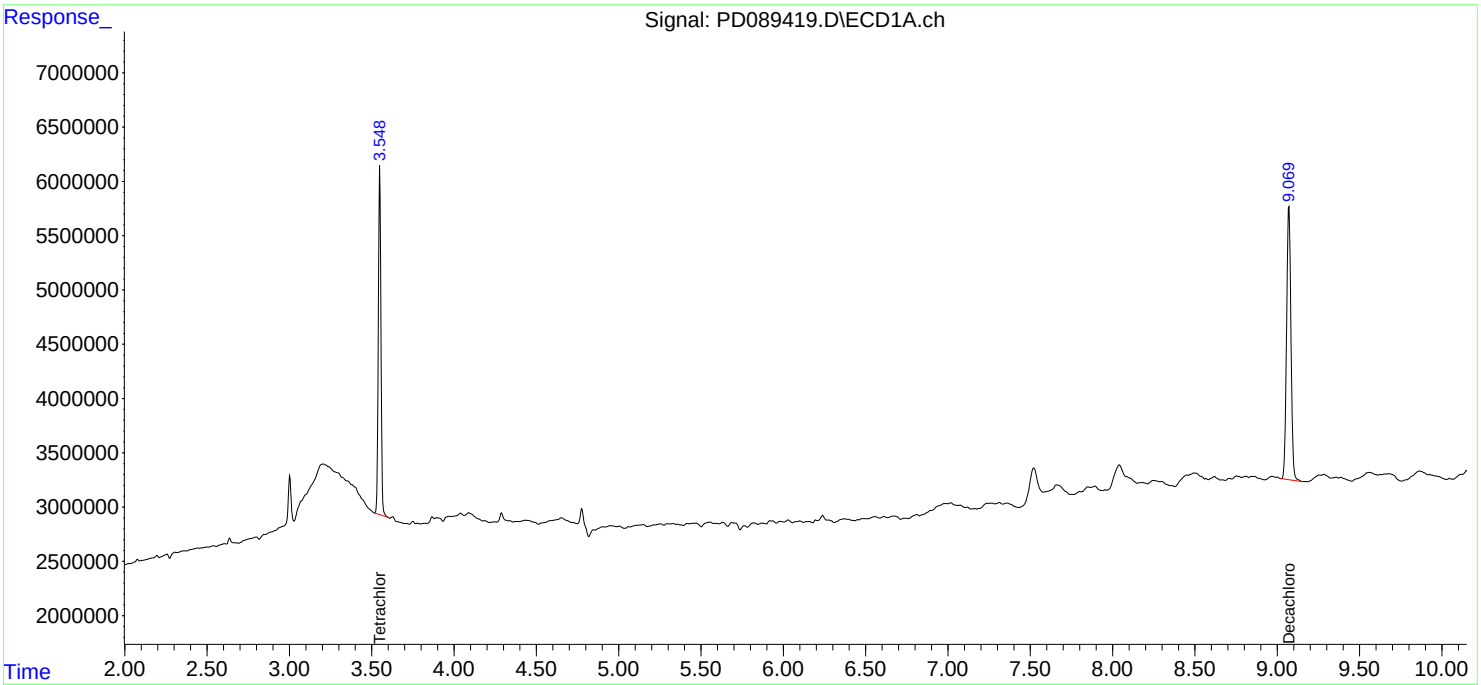
Sample Results: **PD089419.D**

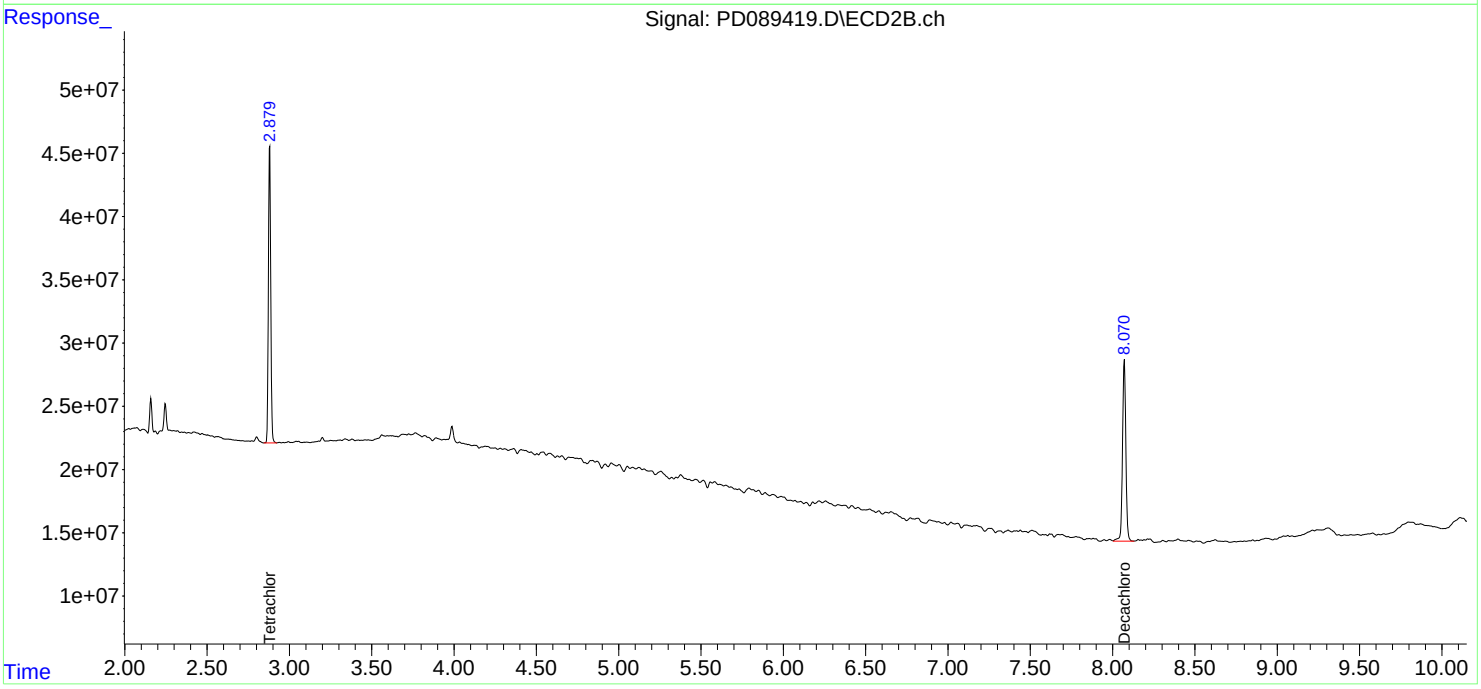
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 18:47
Operator : AR\AJ
Sample : Q2529-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

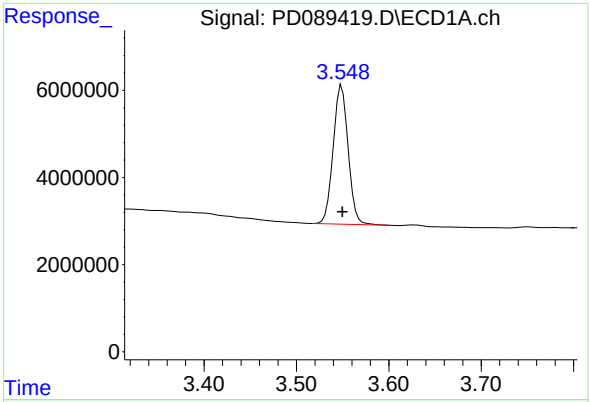
Instrument :
ECD_D
ClientSampleId :
TP-102

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:19 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



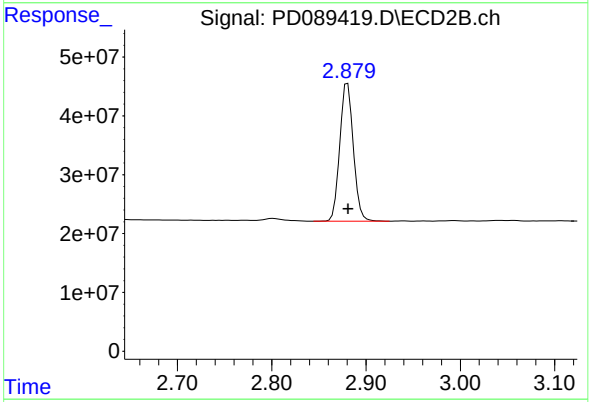




#1 Tetrachloro-m-xylene

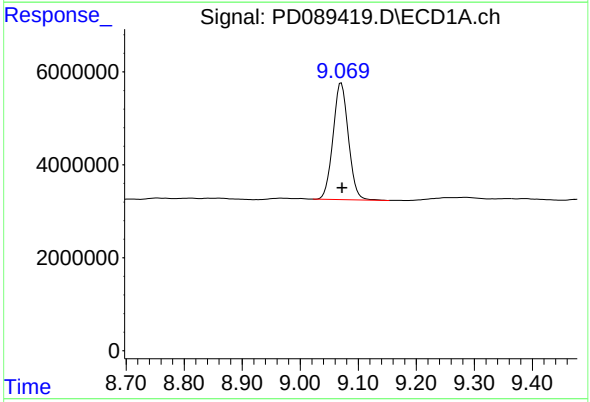
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 35806575
Conc: 12.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-102



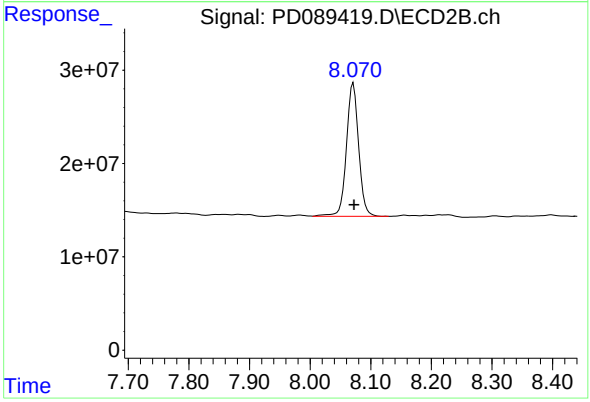
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 234209312
Conc: 13.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 46305339
Conc: 11.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 200010464
Conc: 10.12 ng/ml

Raw Data: **PD089420.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-101	SDG No.:	Q2529
Lab Sample ID:	Q2529-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.7 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
PD089420.D	1	07/09/25 08:20	07/09/25 19:01	PB168765

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)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	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	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.8		20 - 144	64%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

Raw Data: **PD089420.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-101	SDG No.:	Q2529
Lab Sample ID:	Q2529-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.7 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
PD089420.D	1	07/09/25 08:20	07/09/25 19:01	PB168765

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: **PD089420.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:01
Operator : AR\AJ
Sample : Q2529-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-101

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:32 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	2.879	46405074	308.5E6	16.265	18.194m
28)	SA Decachlor...	9.071	8.070	50486916	242.5E6	12.854	12.266
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:01
Operator : AR\AJ
Sample : Q2529-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

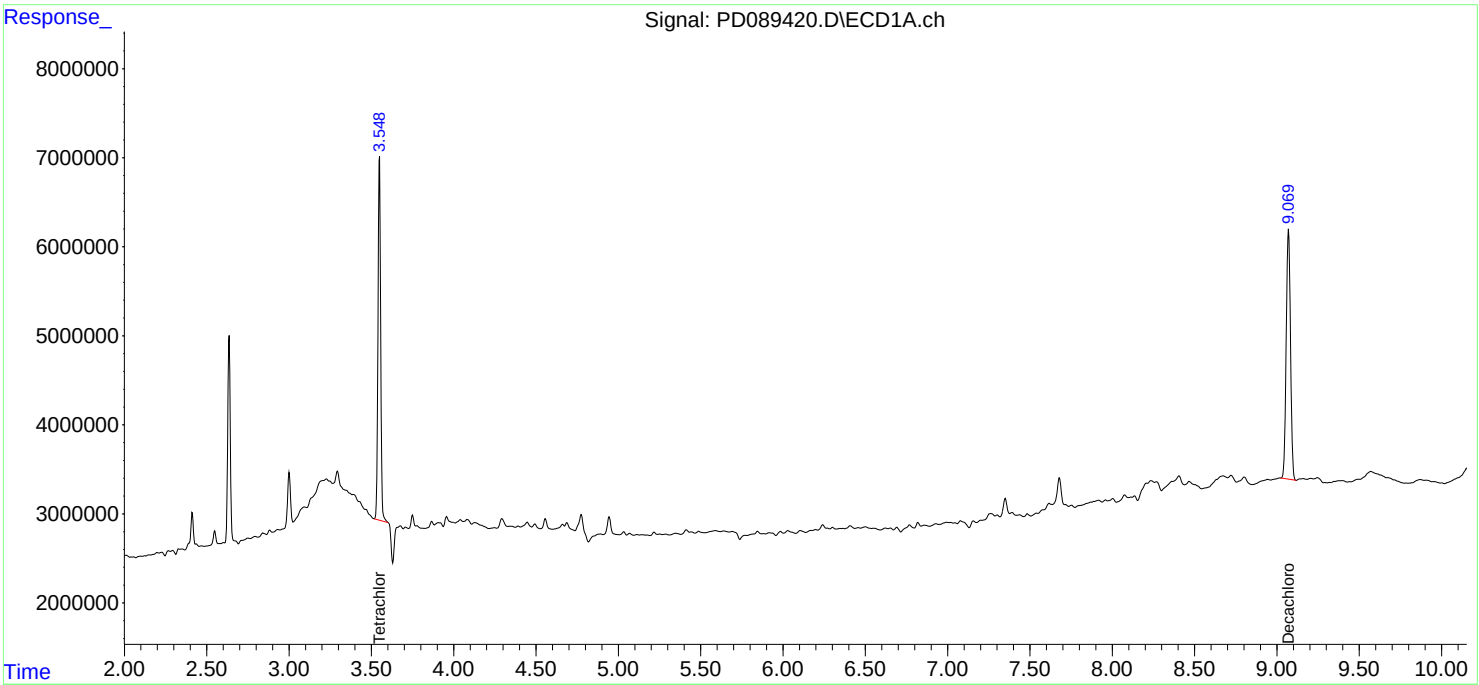
Instrument :
ECD_D
ClientSampleId :
TP-101

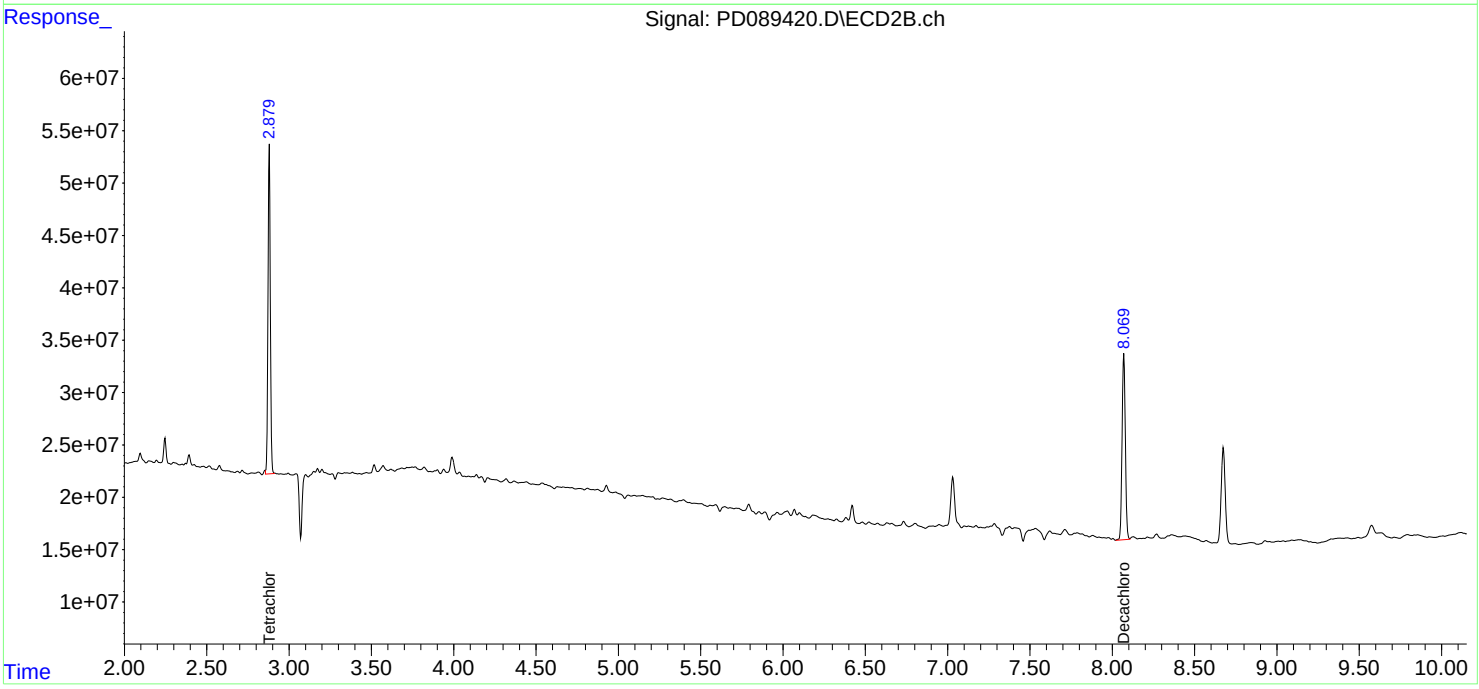
Manual Integrations APPROVED

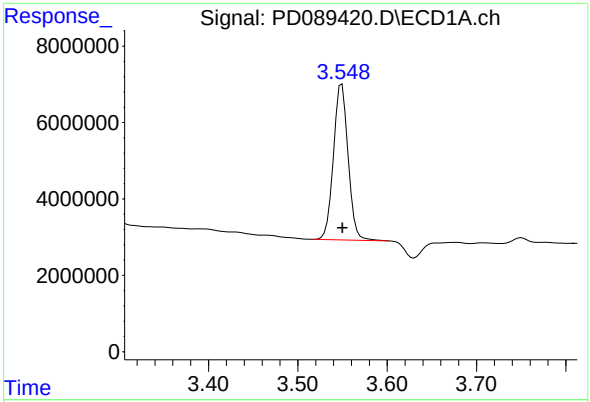
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:32 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







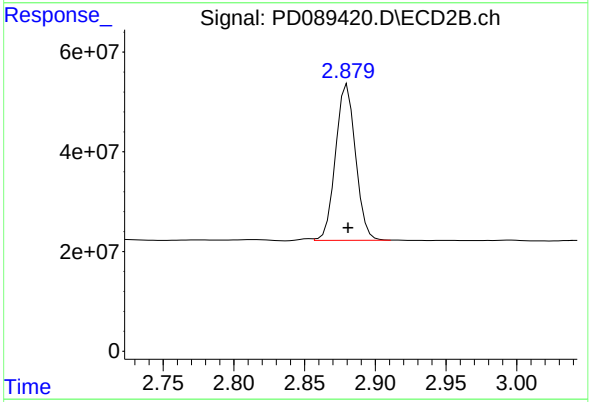
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 46405074
Conc: 16.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-101

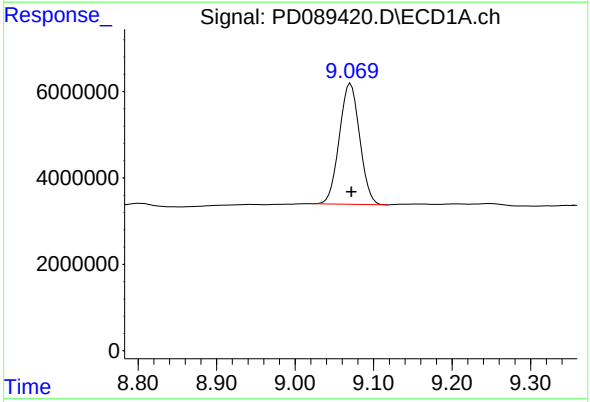
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



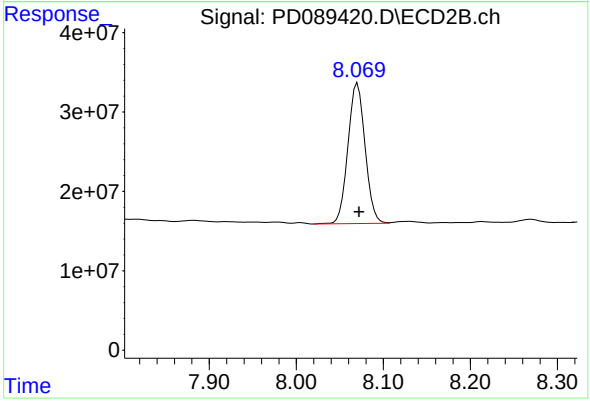
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 308451302
Conc: 18.19 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 50486916
Conc: 12.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 242507116
Conc: 12.27 ng/ml

Raw Data: **PD089421.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-89	SDG No.:	Q2529
Lab Sample ID:	Q2529-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.1 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
PD089421.D	1	07/09/25 08:20	07/09/25 19:14	PB168765

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)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	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	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.3		20 - 144	67%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		19 - 148	89%	SPK: 20

Raw Data: **PD089421.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-89	SDG No.:	Q2529
Lab Sample ID:	Q2529-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.1 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
PD089421.D	1	07/09/25 08:20	07/09/25 19:14	PB168765

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: **PD089421.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:14
Operator : AR\AJ
Sample : Q2529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-89

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:45 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	2.879	44672747	302.7E6	15.657	17.855m
28)	SA Decachlor...	9.072	8.071	51151223	263.6E6	13.023	13.332
	Target Compounds						

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

Sample Results: **PD089421.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:14
Operator : AR\AJ
Sample : Q2529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

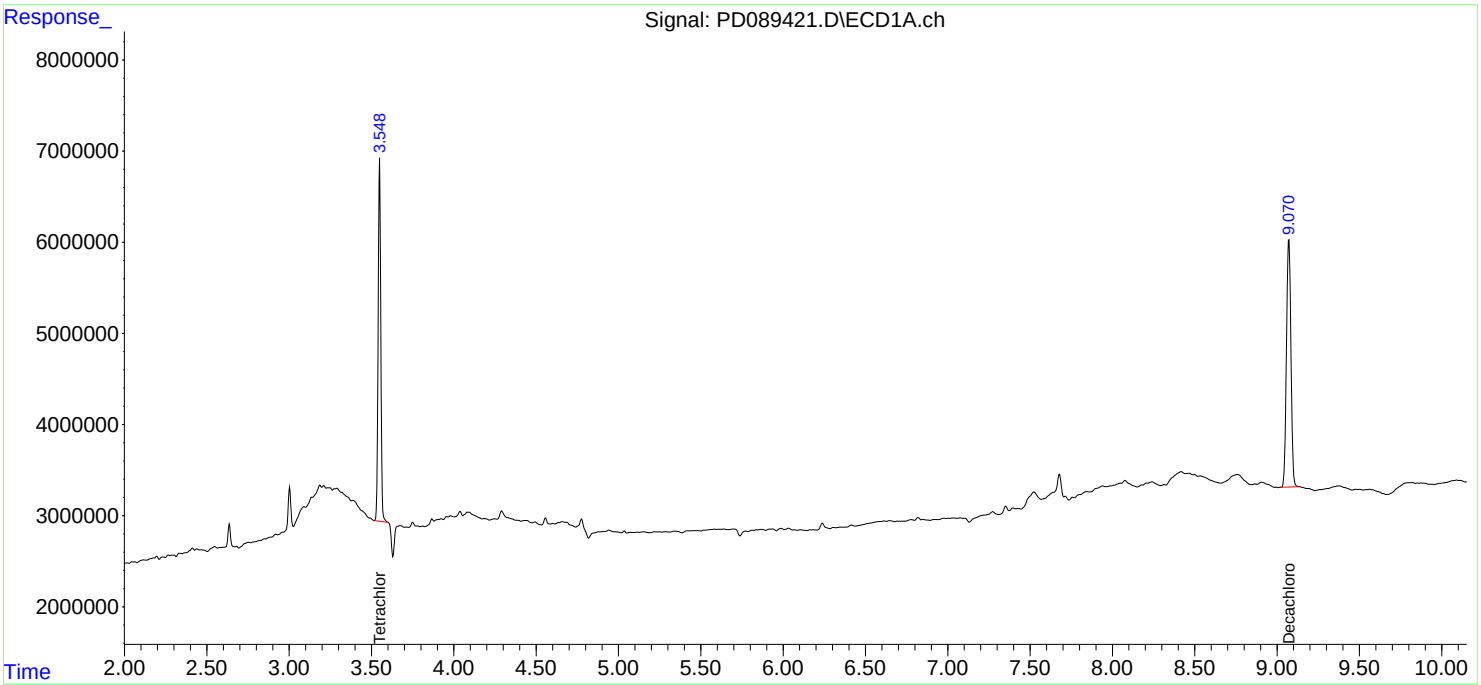
Instrument :
ECD_D
ClientSampleId :
TP-89

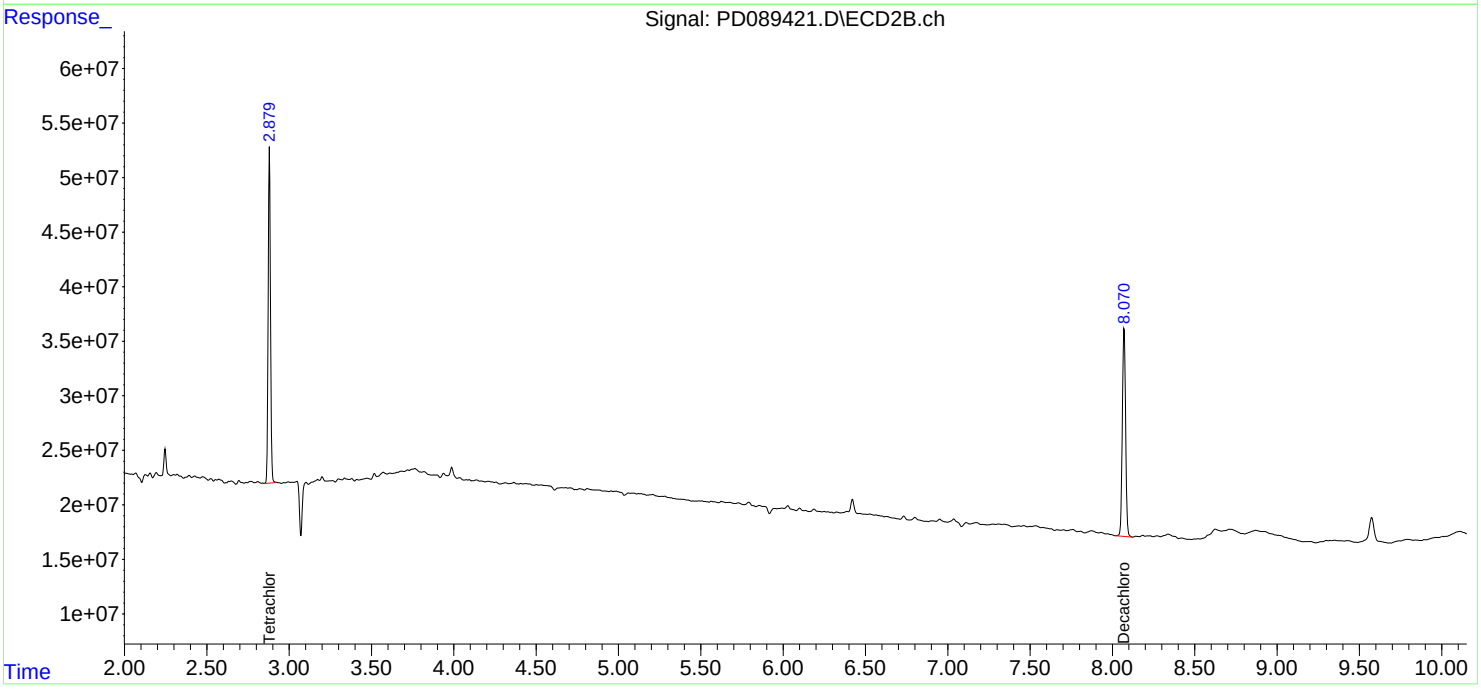
Manual Integrations APPROVED

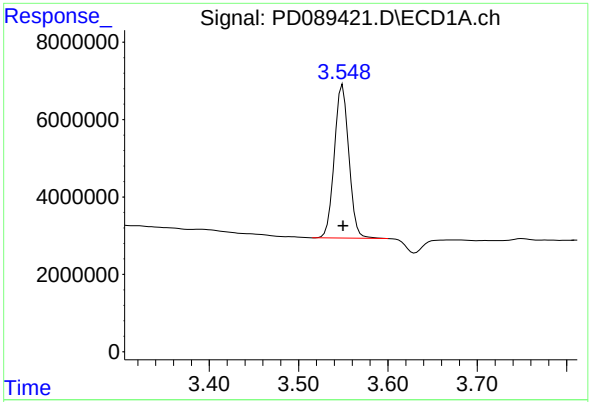
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:45 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







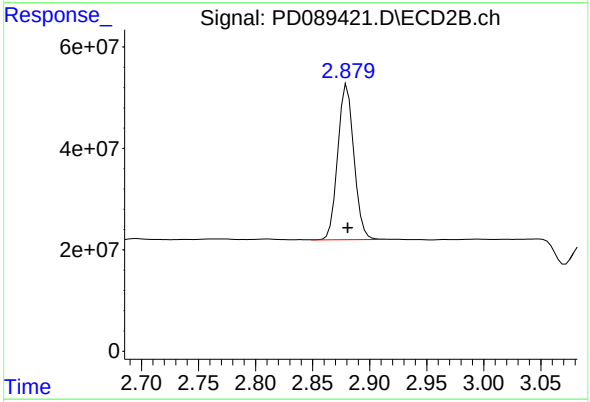
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 44672747
Conc: 15.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-89

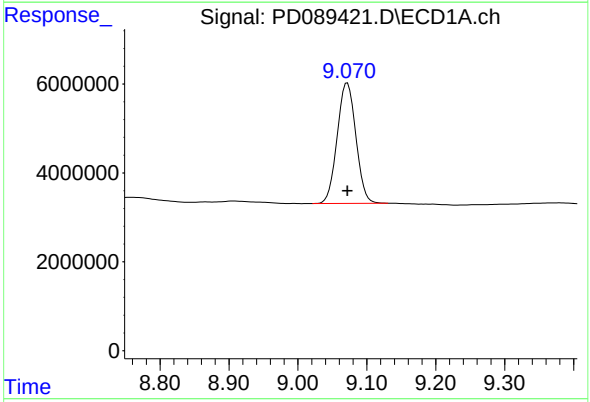
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



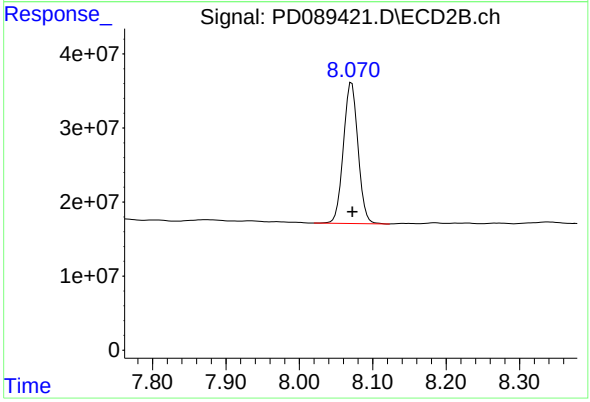
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 302704512
Conc: 17.86 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 51151223
Conc: 13.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 263579040
Conc: 13.33 ng/ml

Raw Data: **PD089422.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-33	SDG No.:	Q2529
Lab Sample ID:	Q2529-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089422.D	1	07/09/25 08:20	07/09/25 19:28	PB168765

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	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	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	0.15	U	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	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	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	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.3		20 - 144	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		19 - 148	96%	SPK: 20

Raw Data: **PD089422.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-33	SDG No.:	Q2529
Lab Sample ID:	Q2529-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089422.D	1	07/09/25 08:20	07/09/25 19:28	PB168765

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: **PD089422.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:28
Operator : AR\AJ
Sample : Q2529-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-33

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:56 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	2.879	48913328	324.6E6	17.144	19.147m
28)	SA Decachlor...	9.070	8.071	61122775	322.0E6	15.562	16.289
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:28
Operator : AR\AJ
Sample : Q2529-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

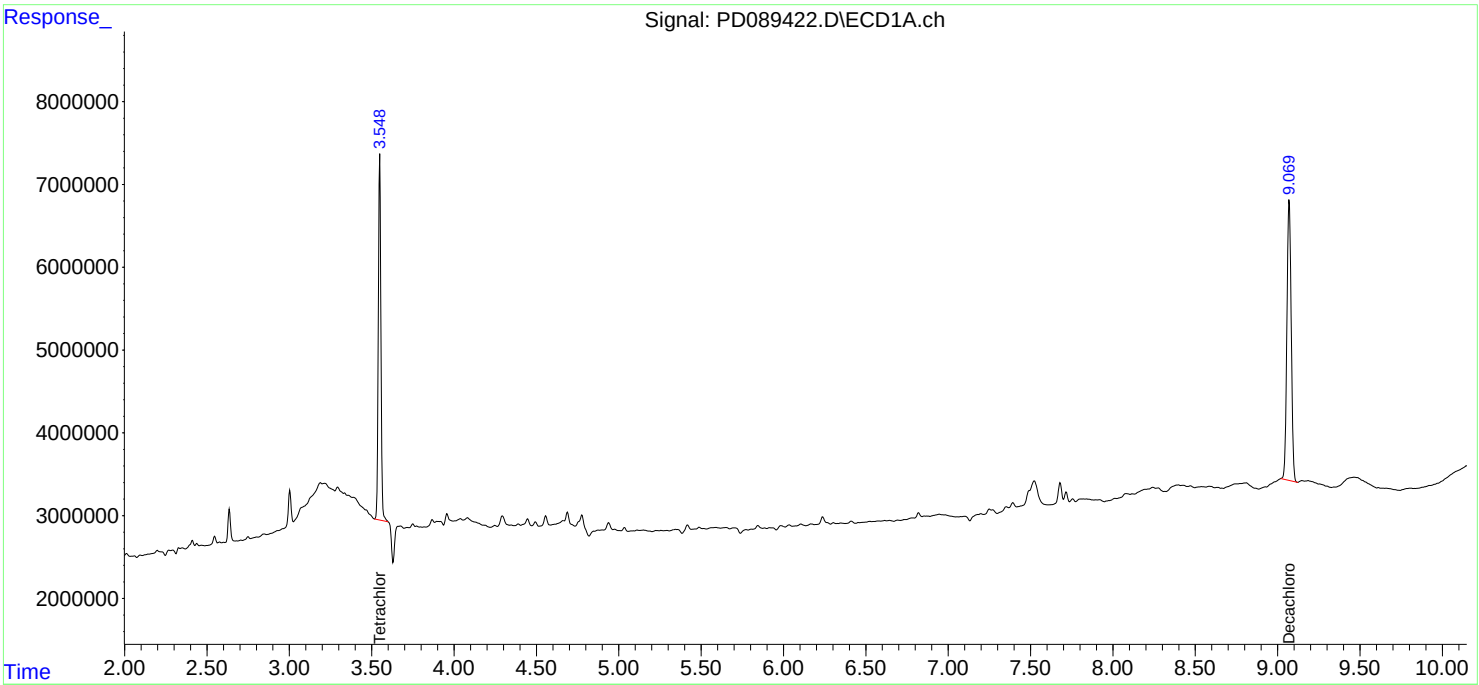
Instrument :
ECD_D
ClientSampleId :
TP-33

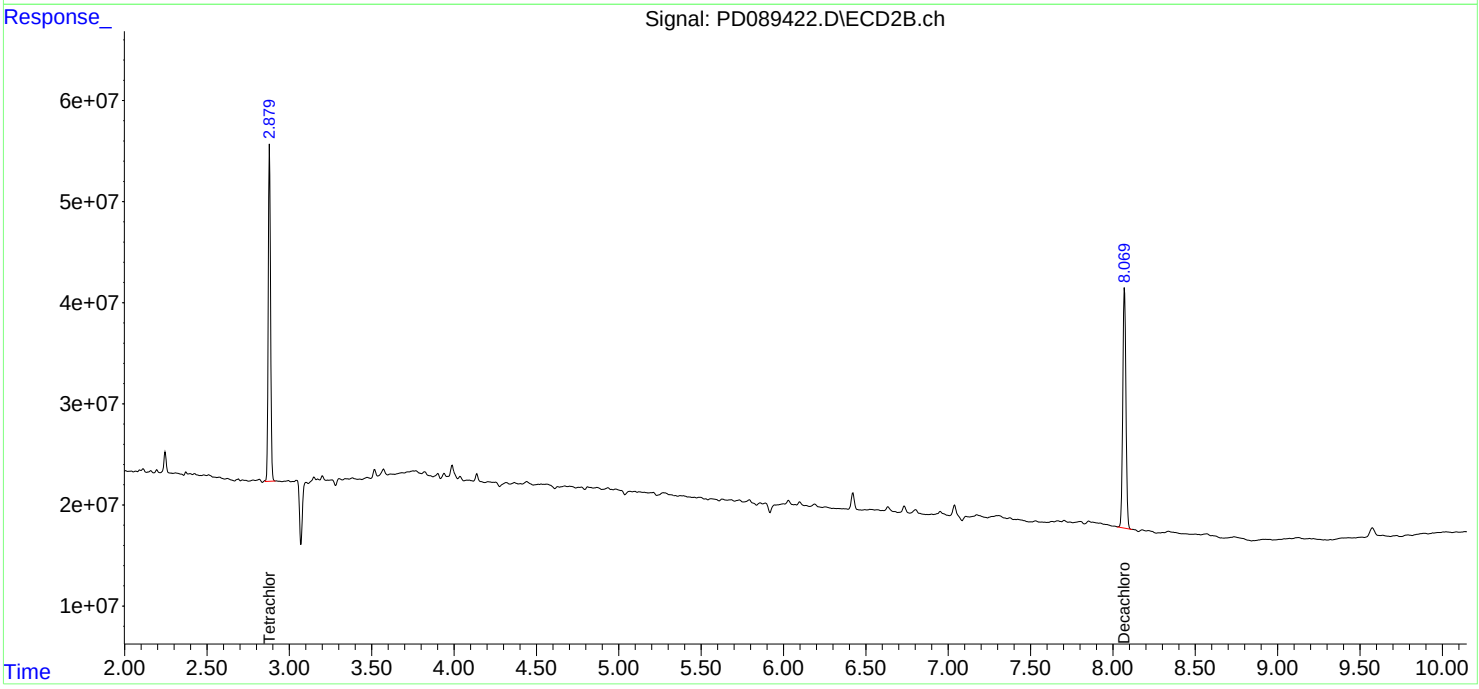
Manual Integrations APPROVED

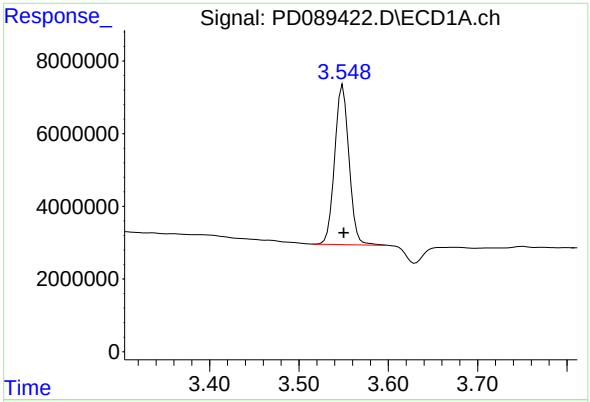
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:47:56 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







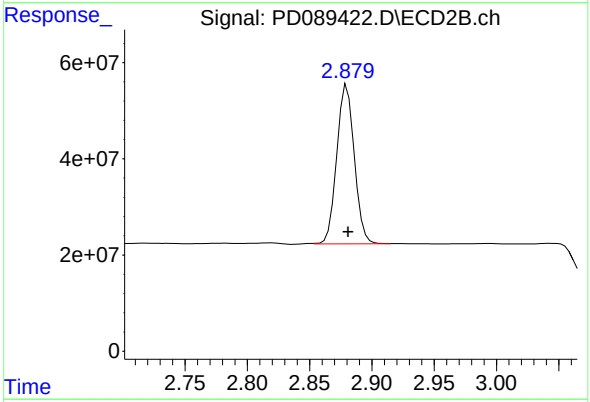
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 48913328
Conc: 17.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-33

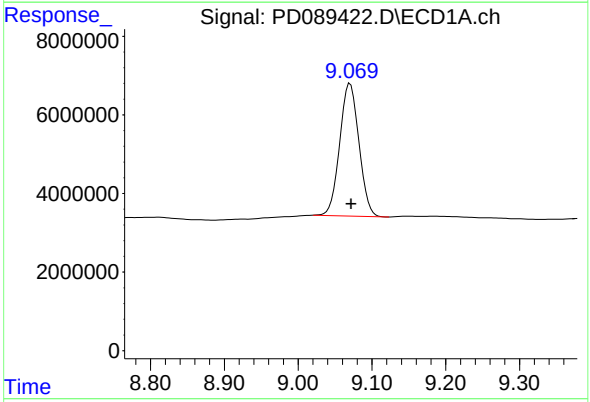
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



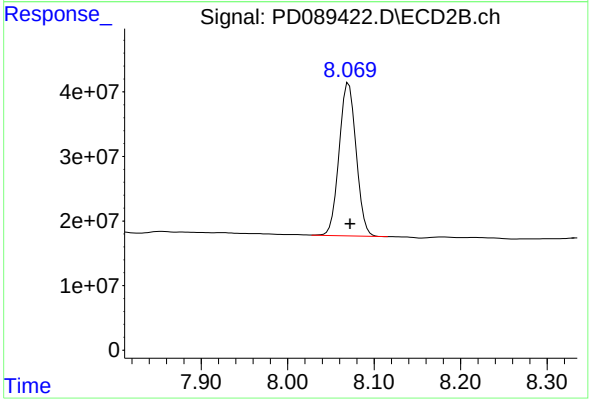
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 324594882
Conc: 19.15 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.001 min
Response: 61122775
Conc: 15.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 322038313
Conc: 16.29 ng/ml

Raw Data: **PD089423.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-30	SDG No.:	Q2529
Lab Sample ID:	Q2529-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.4 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
PD089423.D	1	07/09/25 08:20	07/09/25 19:42	PB168765

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	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	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	0.15	U	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	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.3		20 - 144	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		19 - 148	94%	SPK: 20

Raw Data: **PD089423.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-30	SDG No.:	Q2529
Lab Sample ID:	Q2529-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.4 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
PD089423.D	1	07/09/25 08:20	07/09/25 19:42	PB168765

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: **PD089423.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:42
Operator : AR\AJ
Sample : Q2529-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-30

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:48:10 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...	3.549	2.878	47819433	320.0E6	16.760	18.878m
28)	SA Decachlor...	9.071	8.071	60853860	321.4E6	15.494	16.255
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:42
Operator : AR\AJ
Sample : Q2529-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

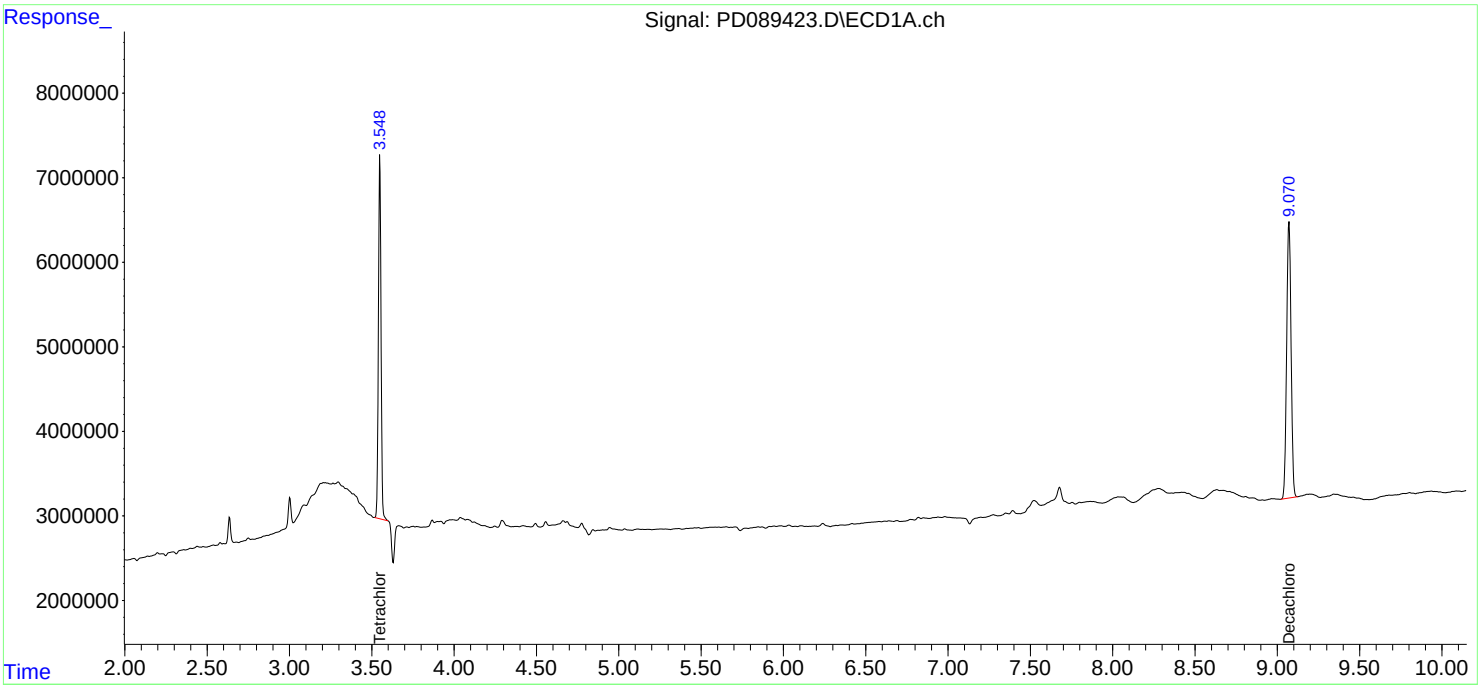
Instrument :
ECD_D
ClientSampleId :
TP-30

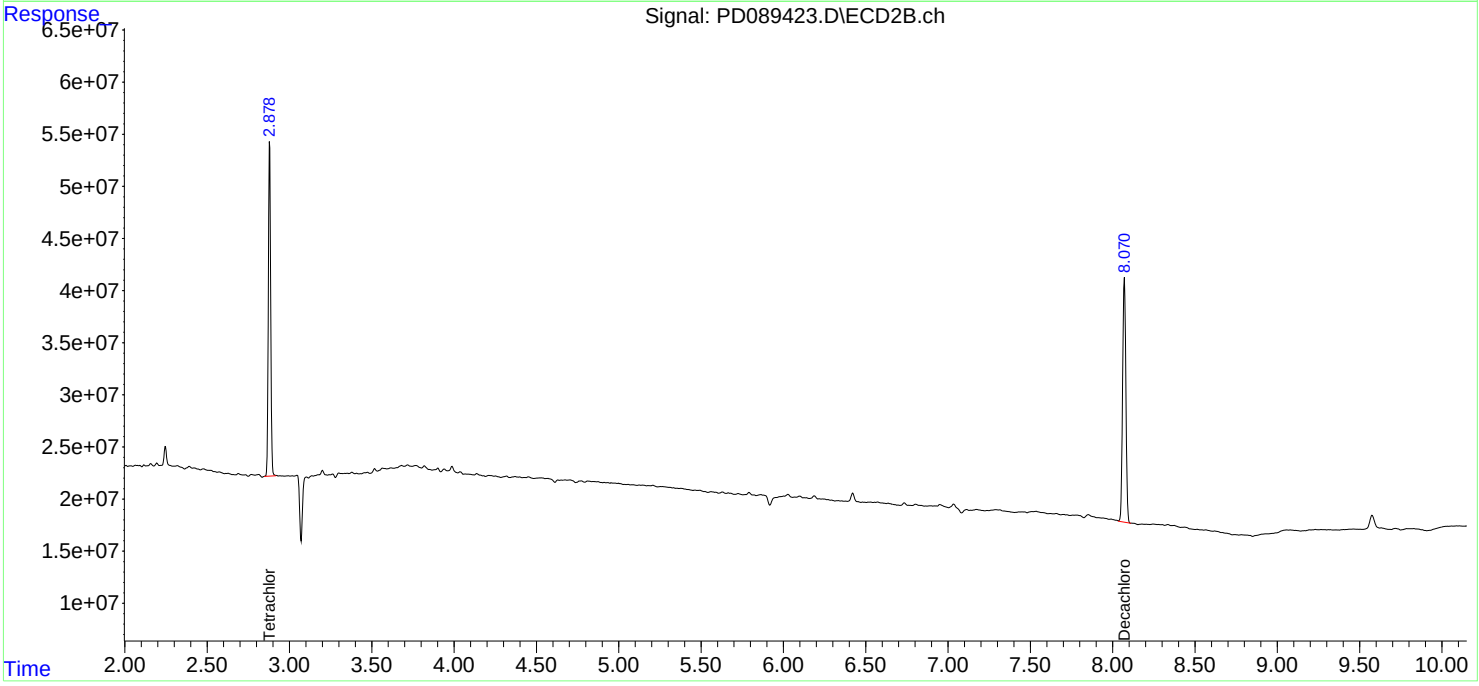
Manual Integrations APPROVED

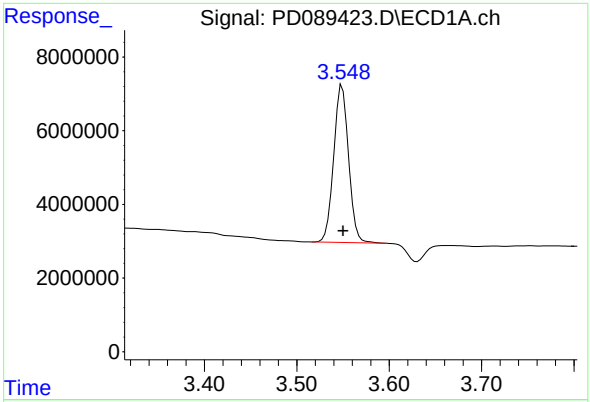
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:48:10 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







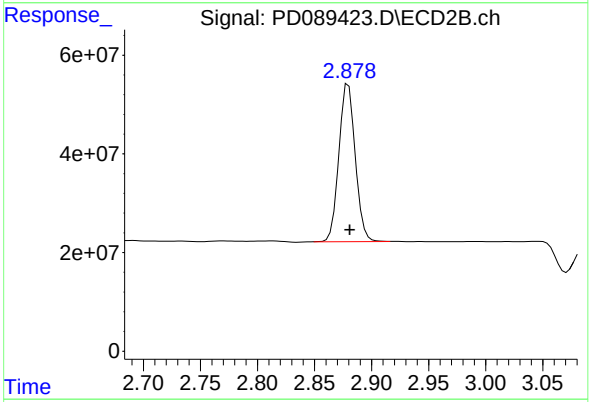
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 47819433
Conc: 16.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-30

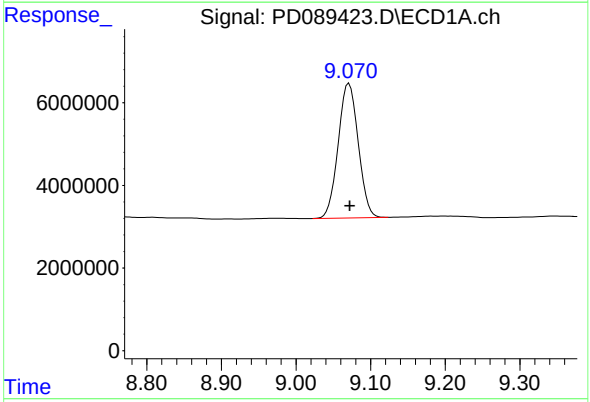
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



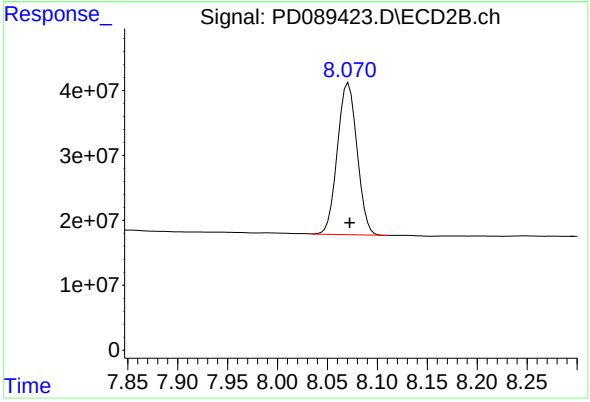
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.003 min
Response: 320035590
Conc: 18.88 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 60853860
Conc: 15.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 321361733
Conc: 16.26 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

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: CAMP02
SDG NO.: Q2529
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

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: CAMP02
SDG NO.: Q2529
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

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

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

Contract: CAMP02
SDG NO.: Q2529
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

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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.

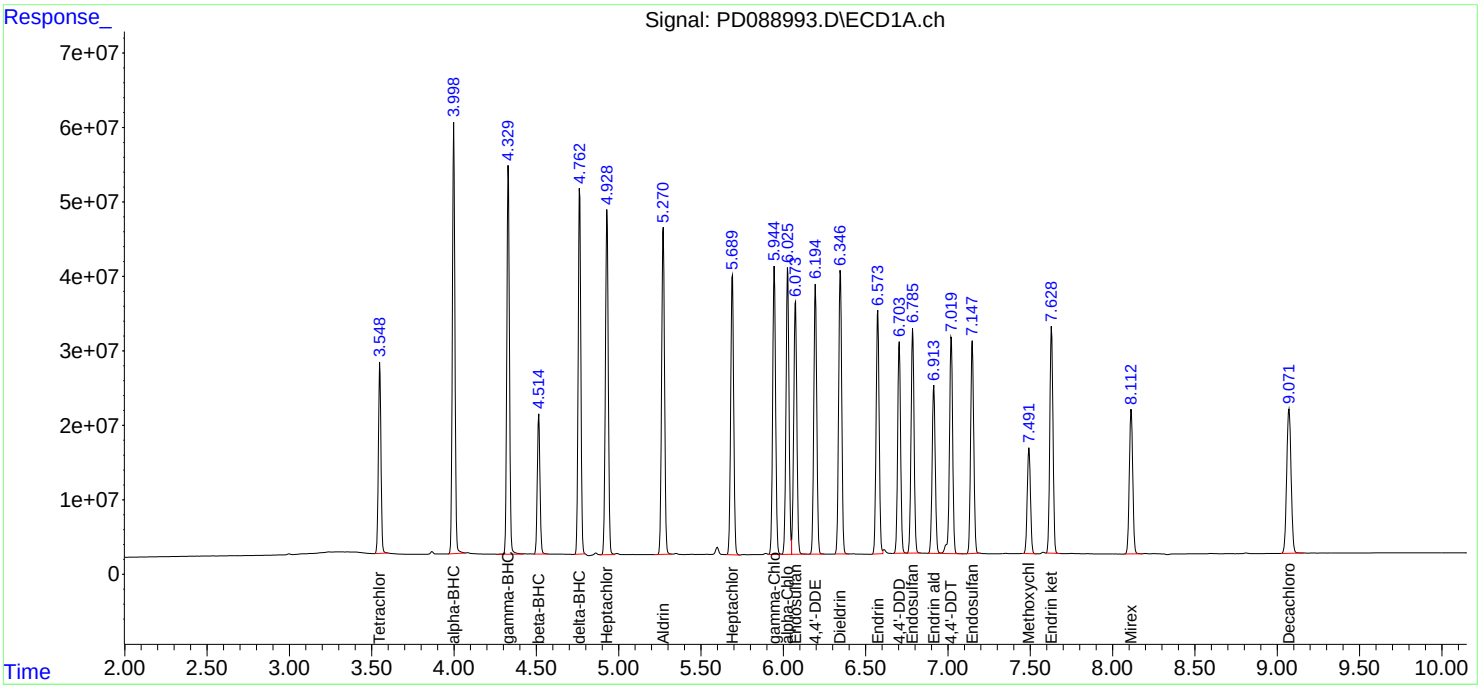
ICAL Form

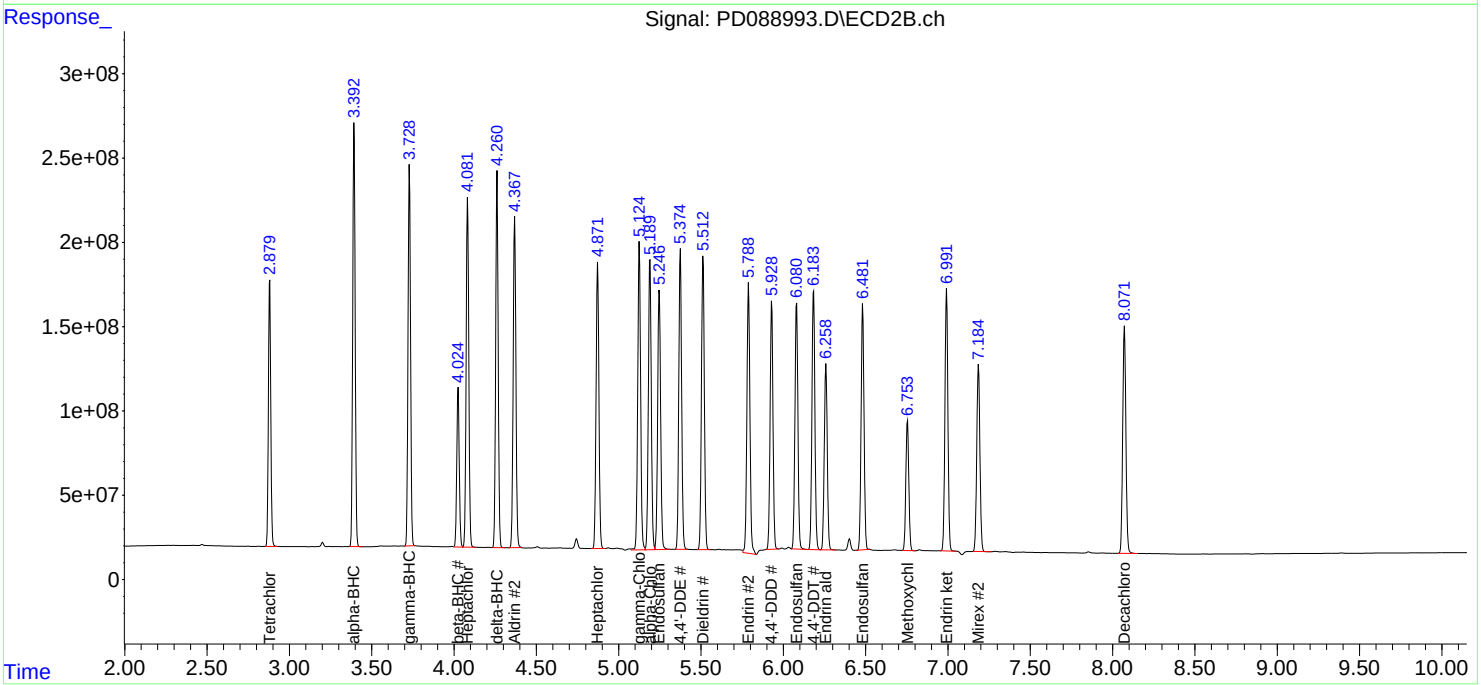
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

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.

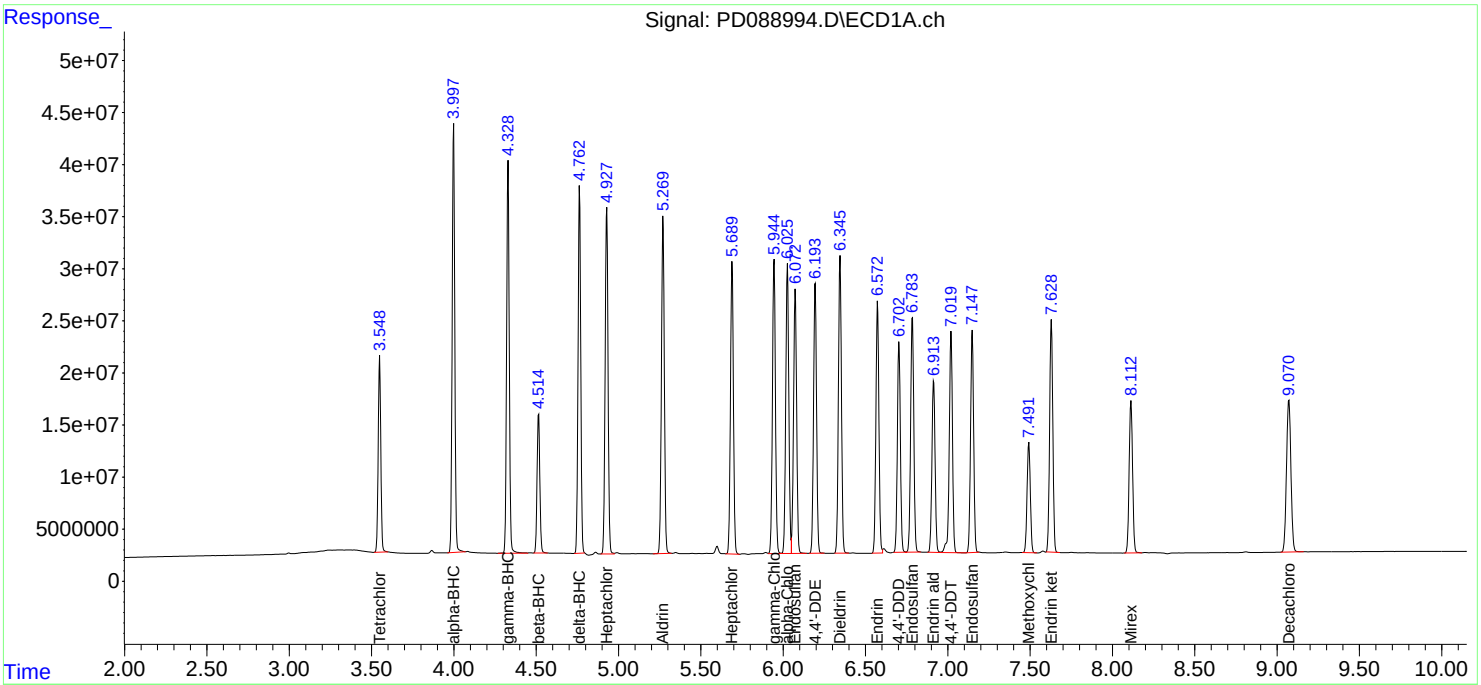
ICAL Form

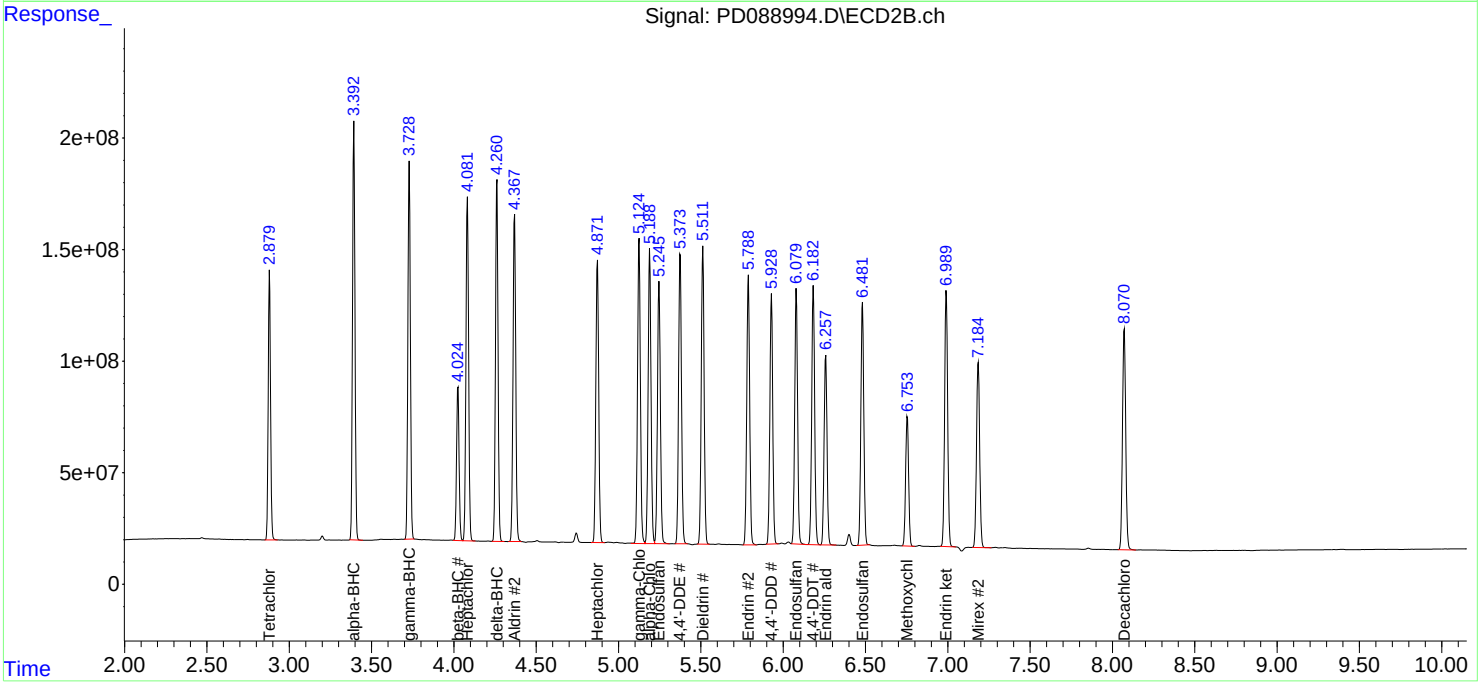
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

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.

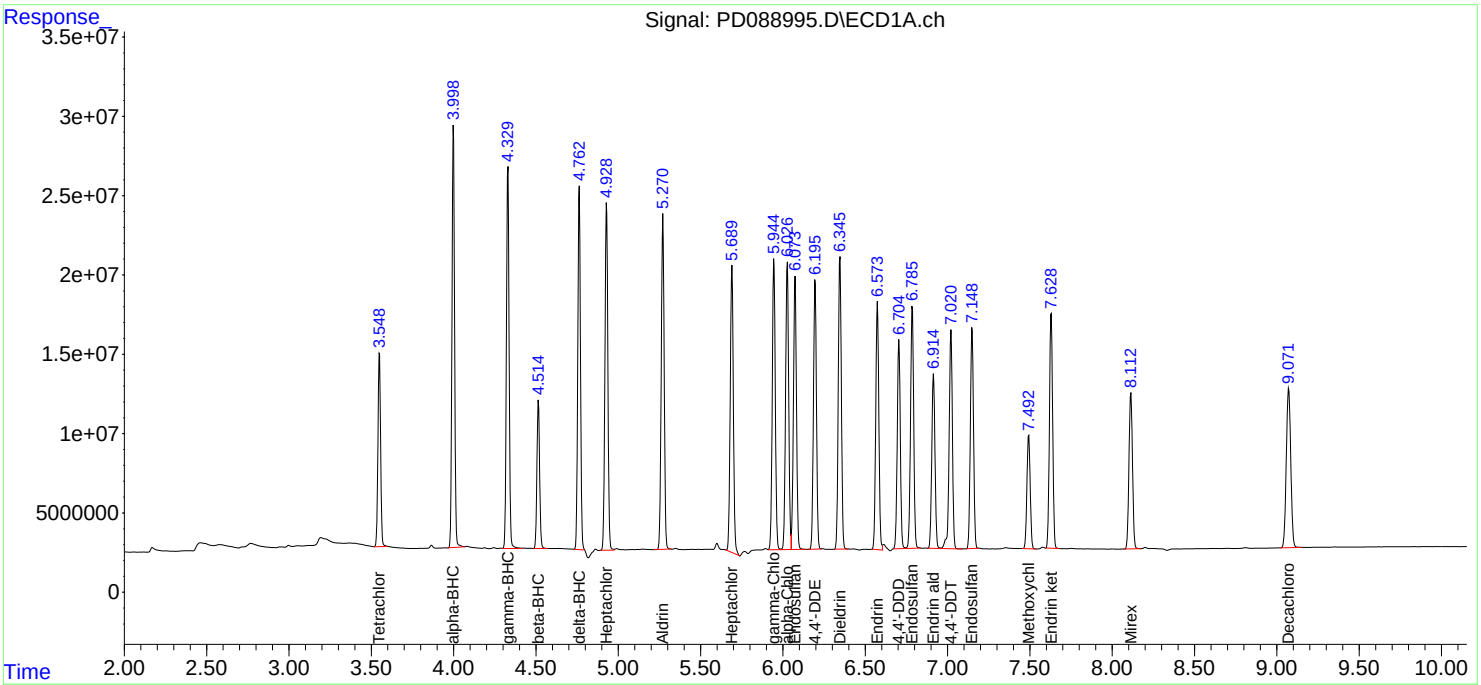
ICAL Form

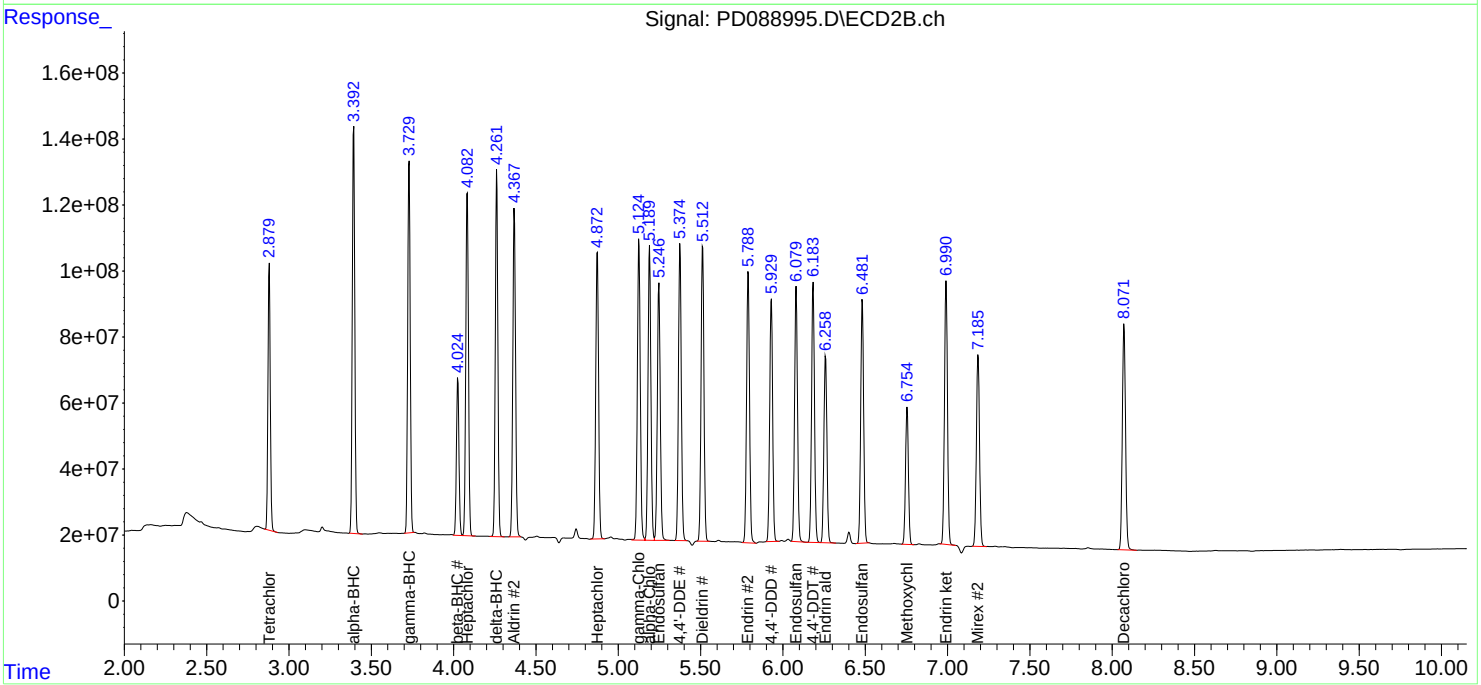
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 16:20
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

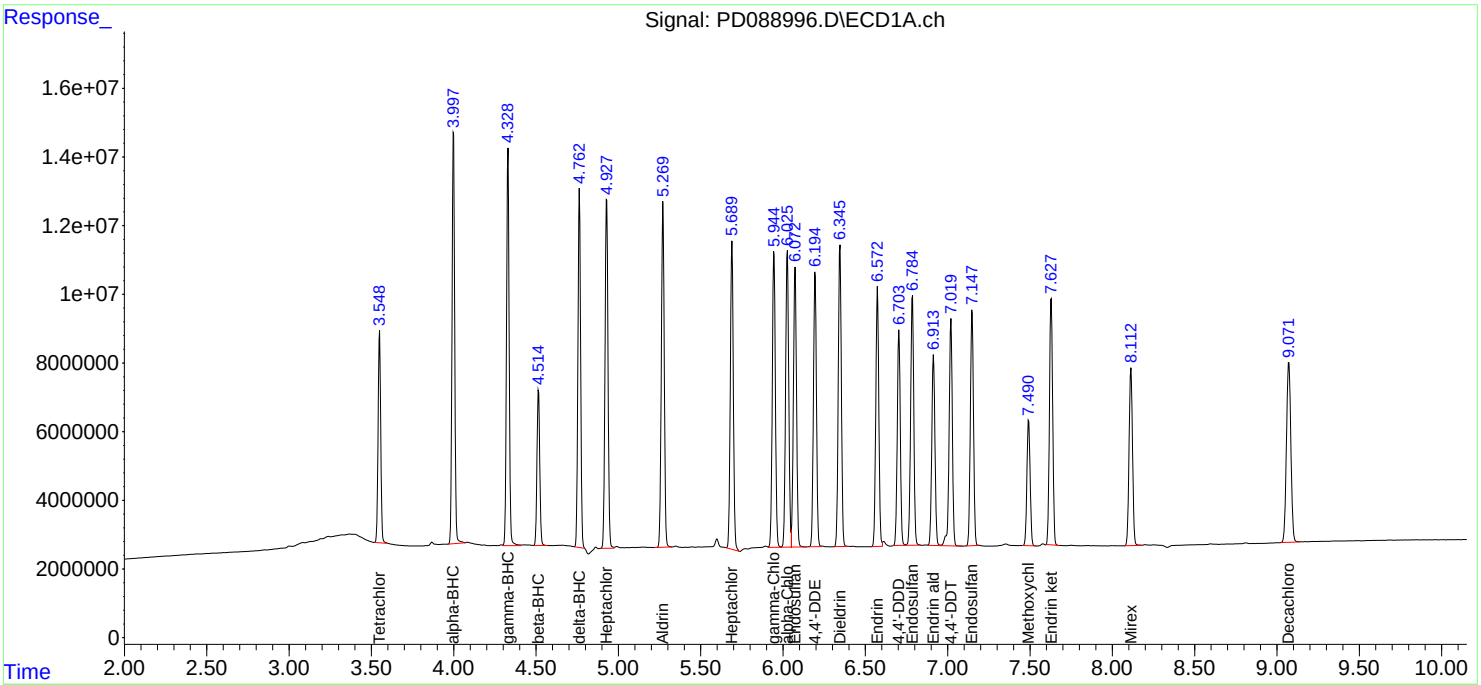
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

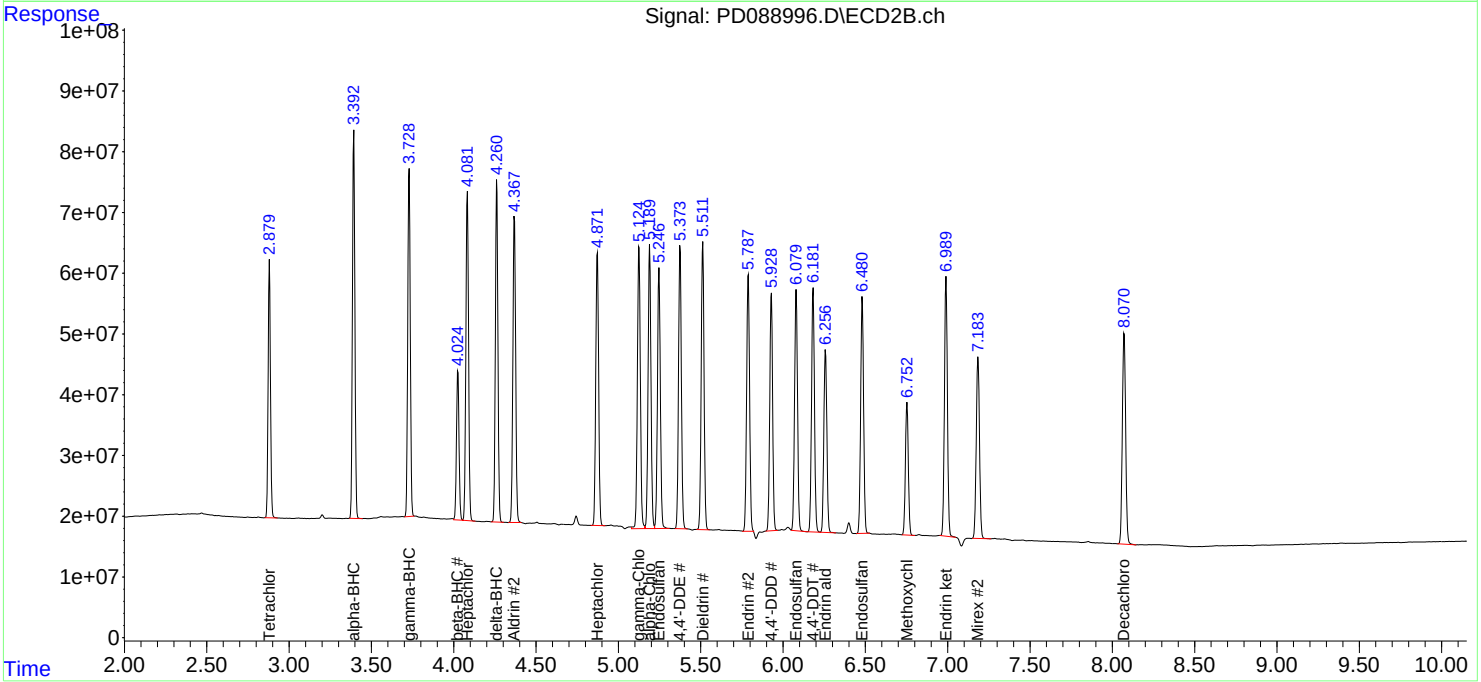
Manual Integrations APPROVED

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

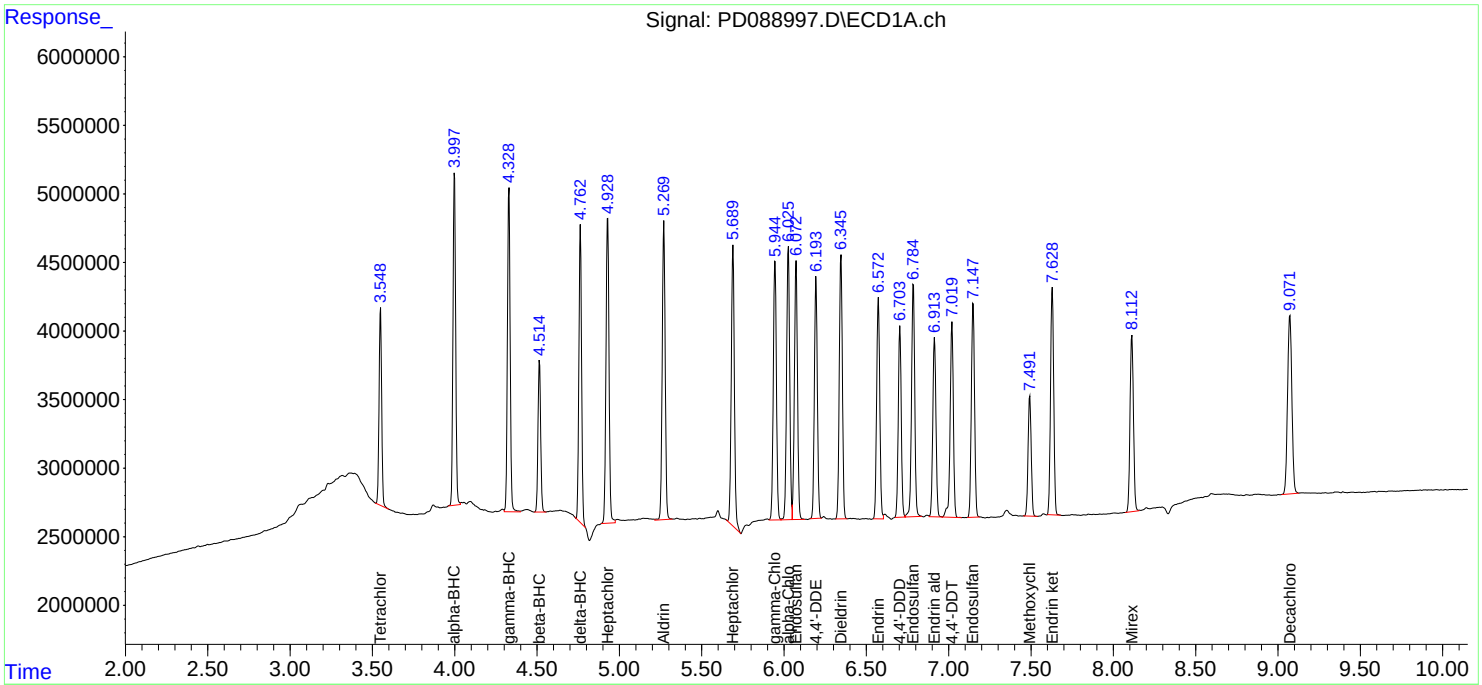
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

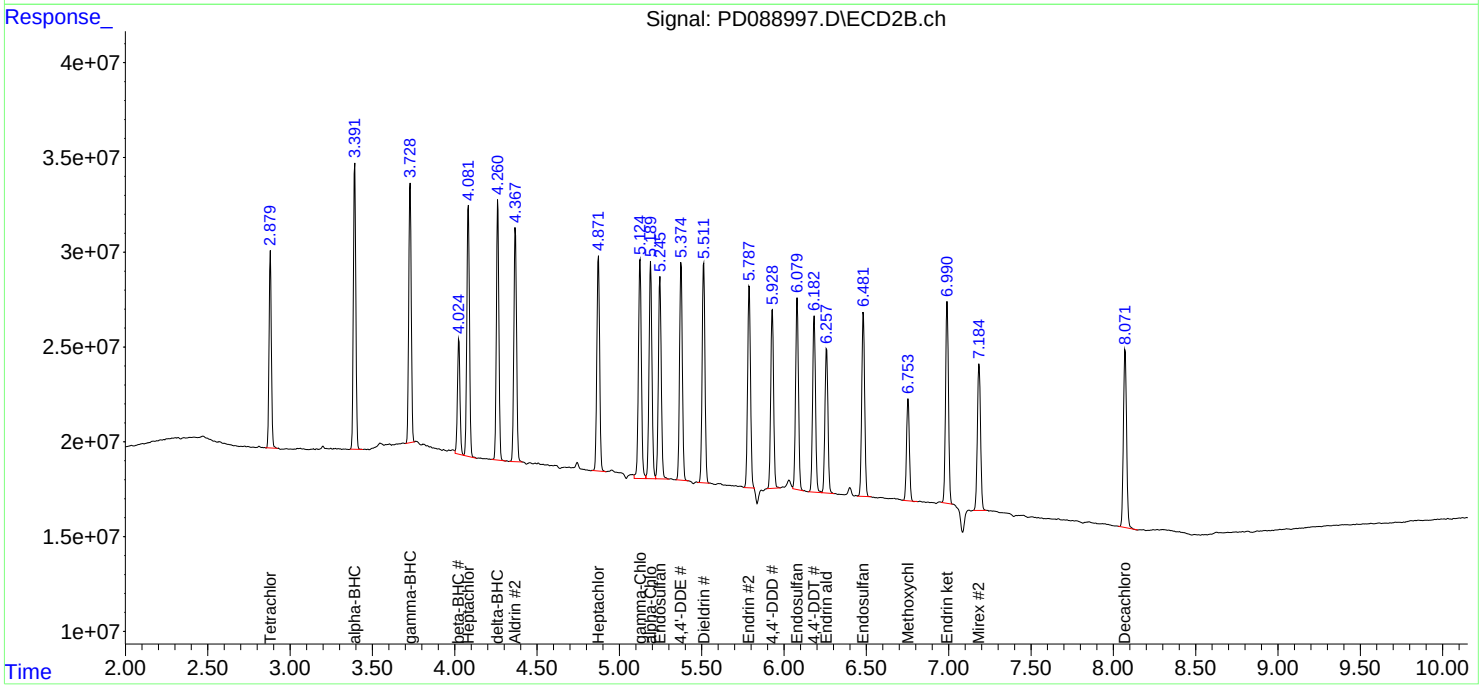
Manual Integrations APPROVED

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.

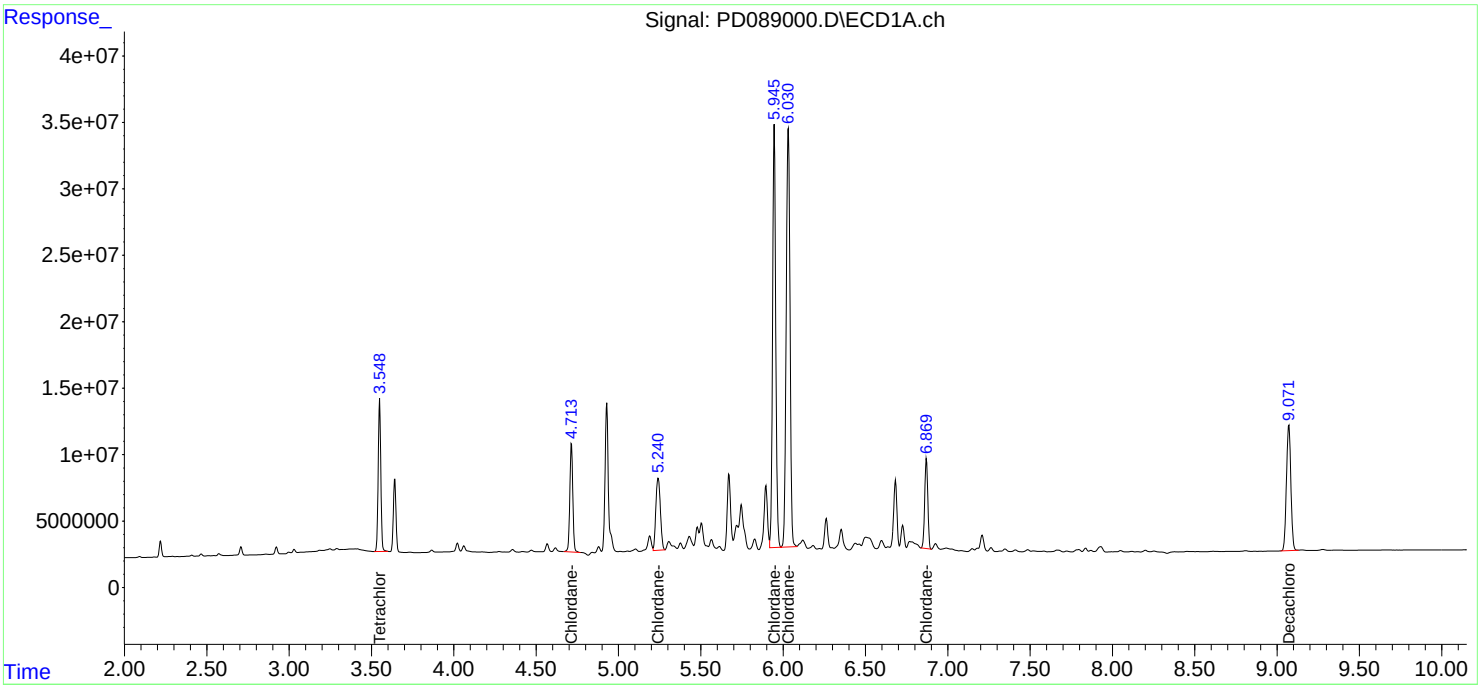
ICAL Form

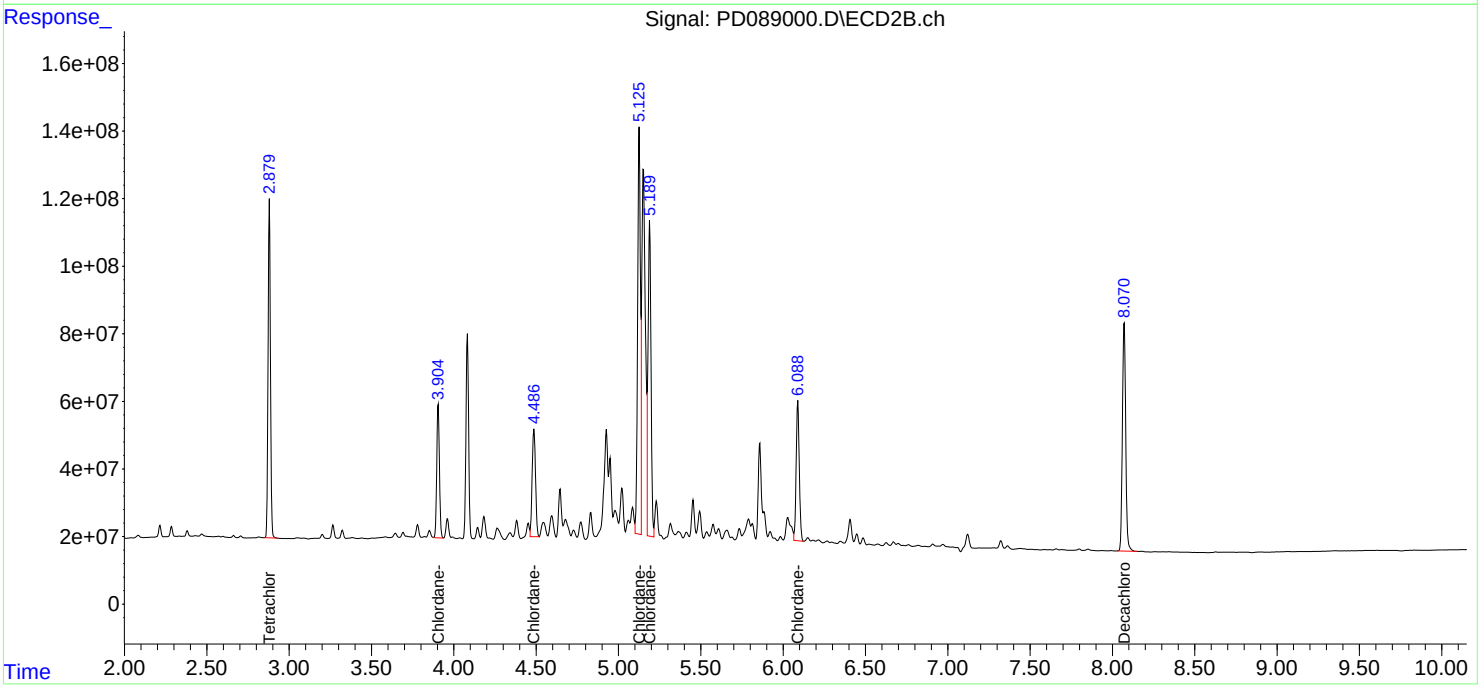
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 17:28
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

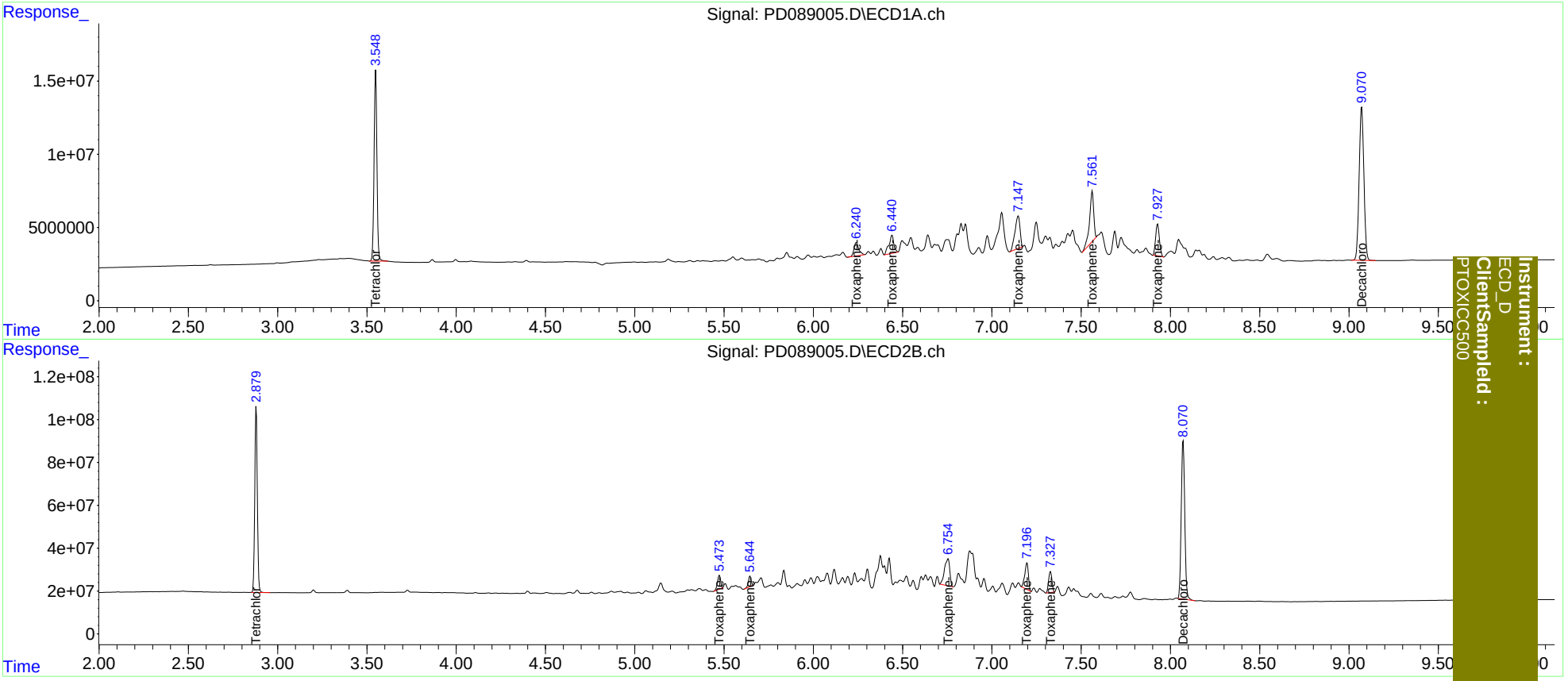
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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.

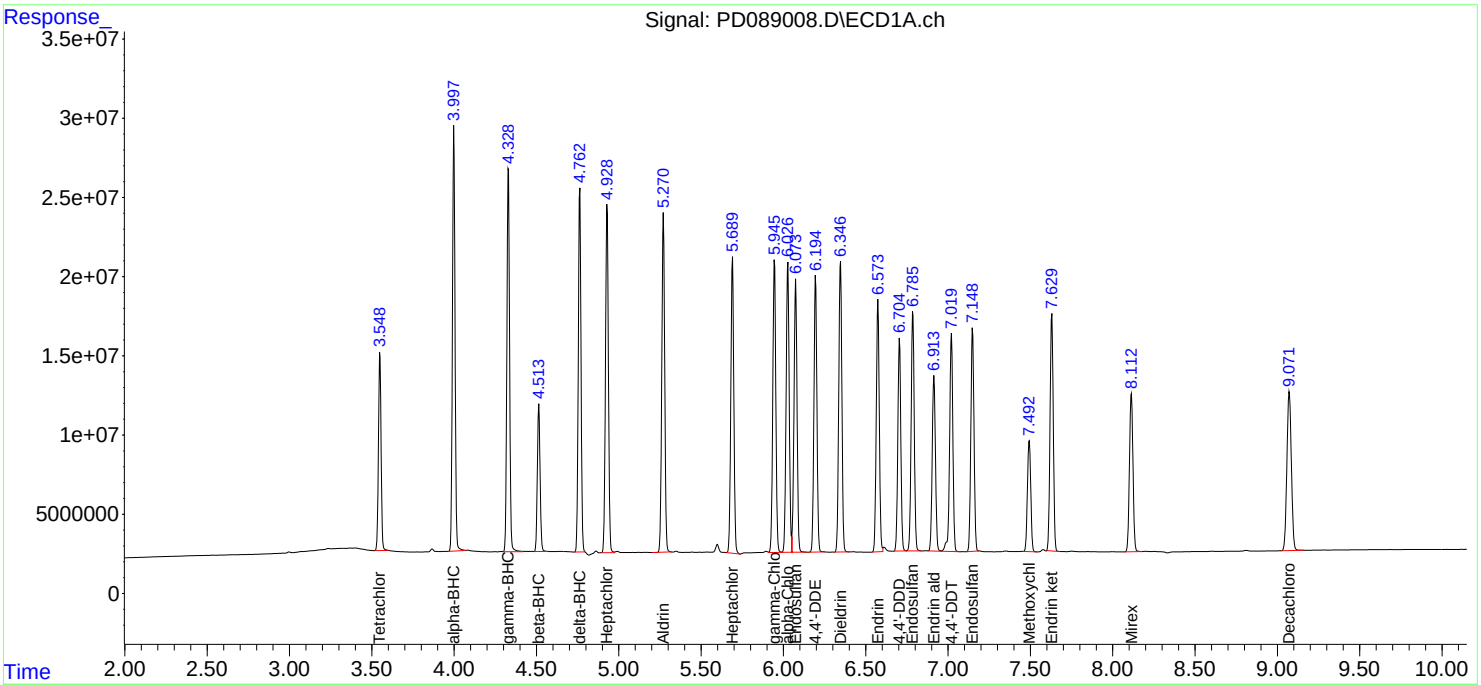
ICAL Form

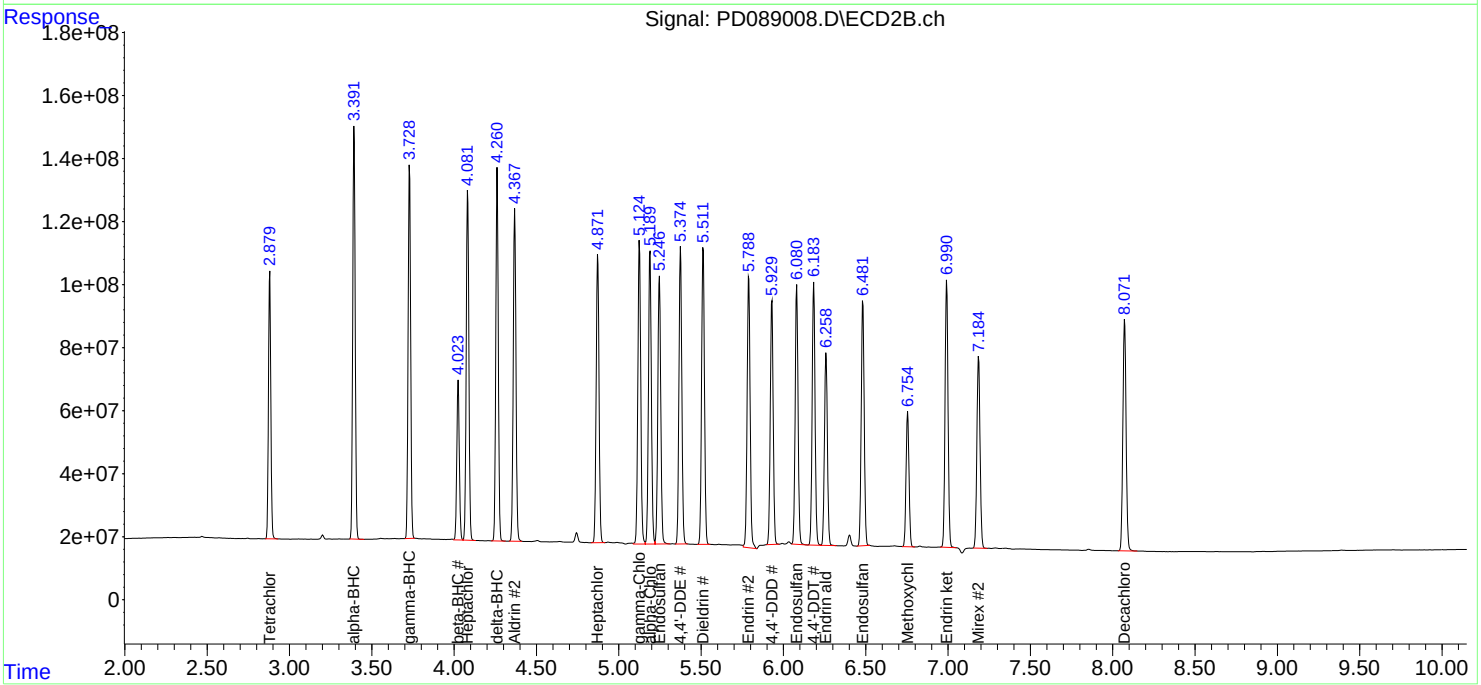
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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.

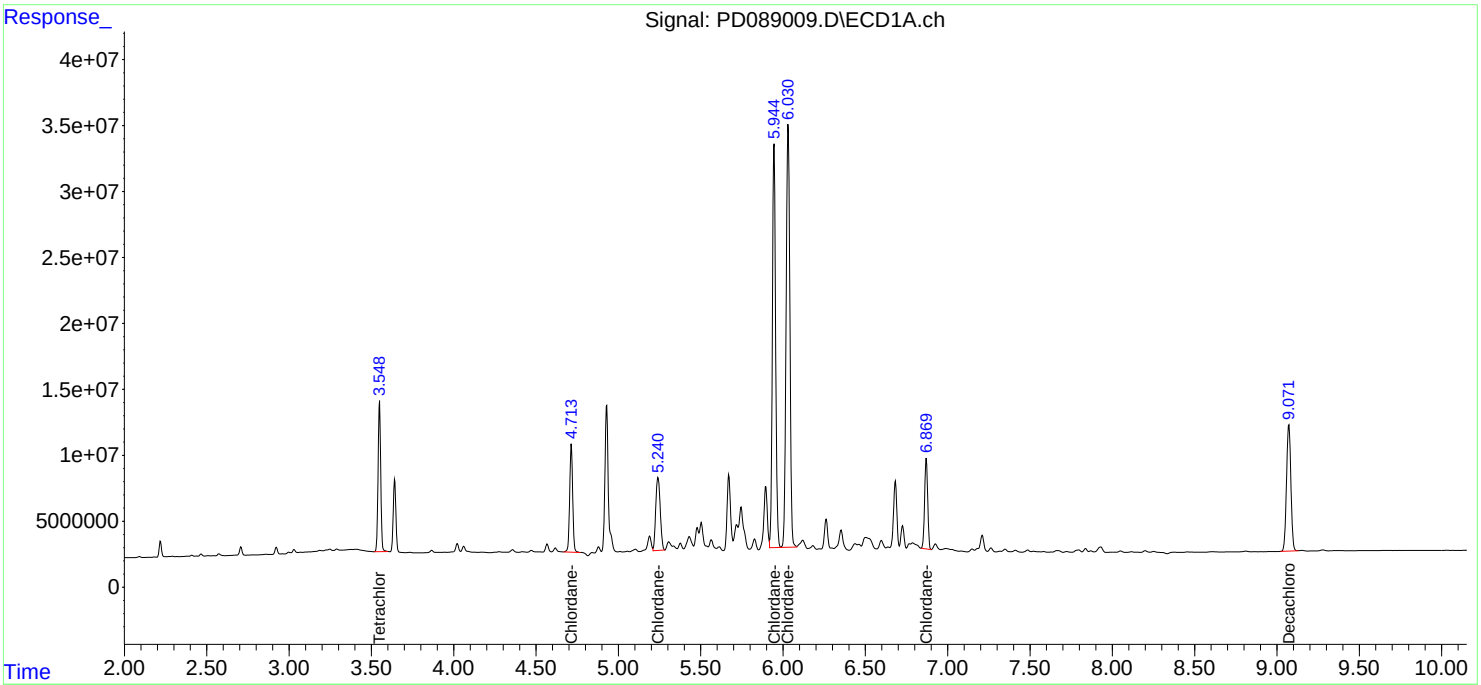
ICAL Form

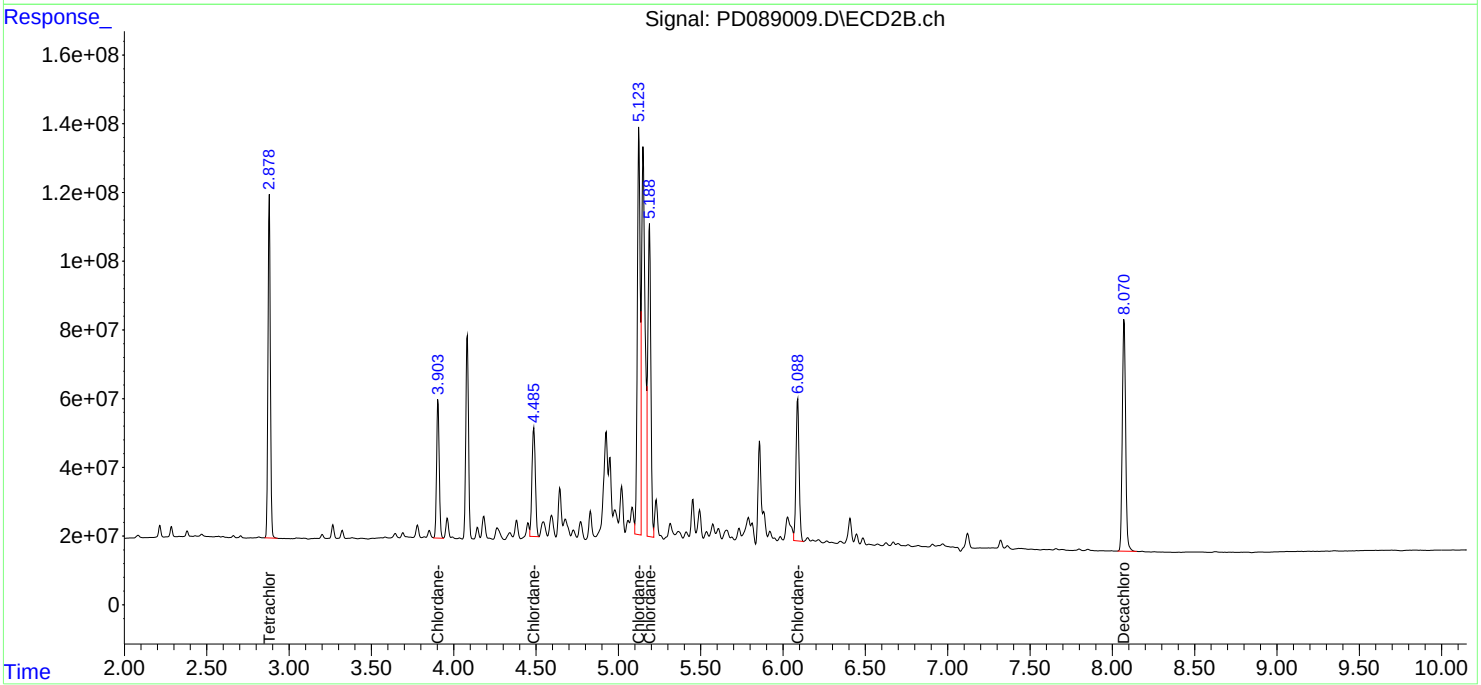
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD089009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 19:31
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

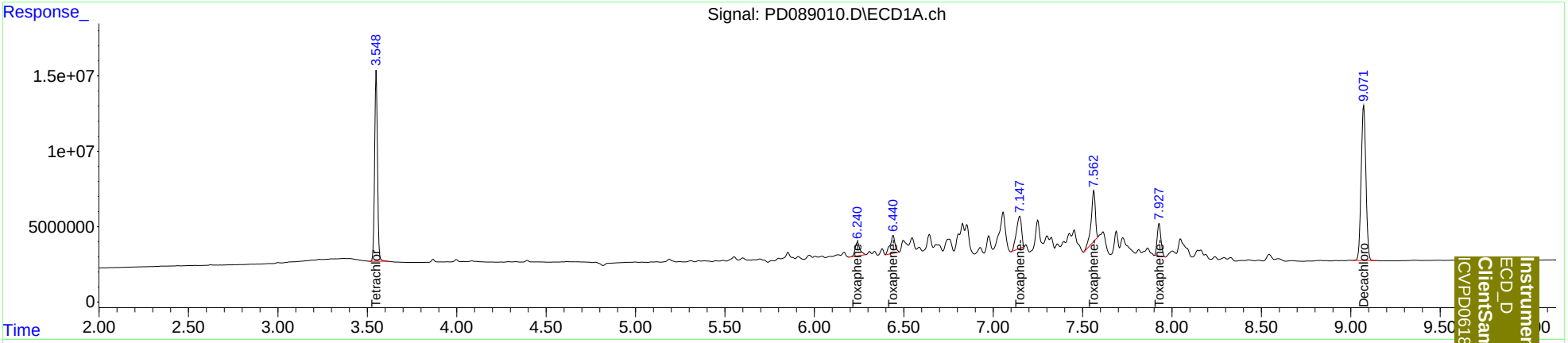
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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: **PD089401.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 13:54 **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	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
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	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
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: **PD089401.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 13:54 **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	4.02	4.03	3.93	4.13	0.01
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	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
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	5.12	5.13	5.03	5.23	0.01

Raw Data: **PD089401.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

Client Sample No.: CCAL01 **Date Analyzed:** 07/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089401.D **Time Analyzed:** 13:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.605	6.805	47.640	50.000	-4.7
4,4'-DDE	6.200	6.096	6.296	47.460	50.000	-5.1
4,4'-DDT	7.025	6.921	7.121	47.840	50.000	-4.3
Aldrin	5.275	5.171	5.371	47.380	50.000	-5.2
alpha-BHC	4.003	3.899	4.099	47.780	50.000	-4.4
alpha-Chlordane	6.030	5.927	6.127	47.010	50.000	-6.0
beta-BHC	4.520	4.415	4.615	46.410	50.000	-7.2
Decachlorobiphenyl	9.076	8.972	9.172	52.120	50.000	4.2
delta-BHC	4.768	4.664	4.864	49.460	50.000	-1.1
Dieldrin	6.350	6.247	6.447	47.540	50.000	-4.9
Endosulfan I	6.078	5.975	6.175	47.010	50.000	-6.0
Endosulfan II	6.790	6.686	6.886	47.510	50.000	-5.0
Endosulfan sulfate	7.153	7.049	7.249	46.870	50.000	-6.3
Endrin	6.578	6.475	6.675	46.110	50.000	-7.8
Endrin aldehyde	6.919	6.815	7.015	46.450	50.000	-7.1
Endrin ketone	7.634	7.530	7.730	48.060	50.000	-3.9
gamma-BHC (Lindane)	4.334	4.230	4.430	47.510	50.000	-5.0
gamma-Chlordane	5.950	5.846	6.046	47.070	50.000	-5.9
Heptachlor	4.934	4.829	5.029	48.280	50.000	-3.4
Heptachlor epoxide	5.695	5.591	5.791	46.180	50.000	-7.6
Methoxychlor	7.497	7.393	7.593	46.680	50.000	-6.6
Tetrachloro-m-xylene	3.554	3.450	3.650	46.300	50.000	-7.4

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

Client Sample No.: CCAL01 **Date Analyzed:** 07/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089401.D **Time Analyzed:** 13:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	48.630	50.000	-2.7
4,4'-DDE	5.373	5.275	5.475	48.820	50.000	-2.4
4,4'-DDT	6.182	6.084	6.284	48.690	50.000	-2.6
Aldrin	4.367	4.269	4.469	48.800	50.000	-2.4
alpha-BHC	3.391	3.293	3.493	48.860	50.000	-2.3
alpha-Chlordane	5.188	5.091	5.291	48.670	50.000	-2.7
beta-BHC	4.023	3.926	4.126	47.840	50.000	-4.3
Decachlorobiphenyl	8.070	7.972	8.172	55.930	50.000	11.9
delta-BHC	4.260	4.162	4.362	48.670	50.000	-2.7
Dieldrin	5.511	5.413	5.613	48.480	50.000	-3.0
Endosulfan I	5.245	5.147	5.347	49.330	50.000	-1.3
Endosulfan II	6.079	5.981	6.181	48.430	50.000	-3.1
Endosulfan sulfate	6.481	6.383	6.583	48.620	50.000	-2.8
Endrin	5.787	5.689	5.889	46.580	50.000	-6.8
Endrin aldehyde	6.257	6.159	6.359	47.770	50.000	-4.5
Endrin ketone	6.990	6.892	7.092	49.090	50.000	-1.8
gamma-BHC (Lindane)	3.726	3.630	3.830	48.780	50.000	-2.4
gamma-Chlordane	5.124	5.026	5.226	48.660	50.000	-2.7
Heptachlor	4.081	3.983	4.183	47.720	50.000	-4.6
Heptachlor epoxide	4.871	4.773	4.973	49.840	50.000	-0.3
Methoxychlor	6.752	6.655	6.855	46.240	50.000	-7.5
Tetrachloro-m-xylene	2.878	2.780	2.980	48.620	50.000	-2.8

Sample Results: **PD089401.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 13:54
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:42:49 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	2.878	132.1E6	824.2E6	46.303	48.618
28)	SA Decachlor...	9.076	8.070	204.7E6	1105.7E6	52.117	55.928
	Target Compounds						
2)	A alpha-BHC	4.003	3.391	278.5E6	1309.4E6	47.775	48.865
3)	MA gamma-BHC...	4.334	3.726	265.2E6	1207.7E6	47.515	48.784m
4)	MA Heptachlor	4.934	4.081	263.2E6	1194.8E6	48.280	47.720
5)	MB Aldrin	5.275	4.367	251.7E6	1181.9E6	47.376	48.804
6)	B beta-BHC	4.520	4.023	102.4E6	514.1E6	46.414	47.844
7)	B delta-BHC	4.768	4.260	253.9E6	1210.6E6	49.465	48.669
8)	B Heptachlo...	5.695	4.871	222.8E6	1091.4E6	46.182	49.840
9)	A Endosulfan I	6.078	5.245	211.9E6	1028.1E6	47.006	49.329
10)	B gamma-Chl...	5.950	5.124	225.4E6	1164.0E6	47.069	48.657
11)	B alpha-Chl...	6.030	5.188	227.4E6	1114.4E6	47.006	48.668
12)	B 4,4'-DDE	6.200	5.373	207.0E6	1118.7E6	47.457	48.817
13)	MA Dieldrin	6.350	5.511	228.1E6	1125.2E6	47.544	48.483
14)	MA Endrin	6.578	5.787	190.2E6	1011.4E6	46.113	46.577
15)	B Endosulfa...	6.790	6.079	191.8E6	978.1E6	47.509	48.431
16)	A 4,4'-DDD	6.709	5.928	163.5E6	930.3E6	47.644	48.634
17)	MA 4,4'-DDT	7.025	6.182	181.2E6	987.4E6	47.841	48.692
18)	B Endrin al...	6.919	6.257	142.3E6	731.5E6	46.449	47.773
19)	B Endosulfa...	7.153	6.481	179.9E6	954.0E6	46.873	48.624
20)	A Methoxychlor	7.497	6.752	94314448	497.9E6	46.676	46.237
21)	B Endrin ke...	7.634	6.990	195.7E6	1060.4E6	48.055	49.088
22)	Mirex	8.117	7.184	142.8E6	811.5E6	46.964	48.657

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

Sample Results: **PD089401.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 13:54
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

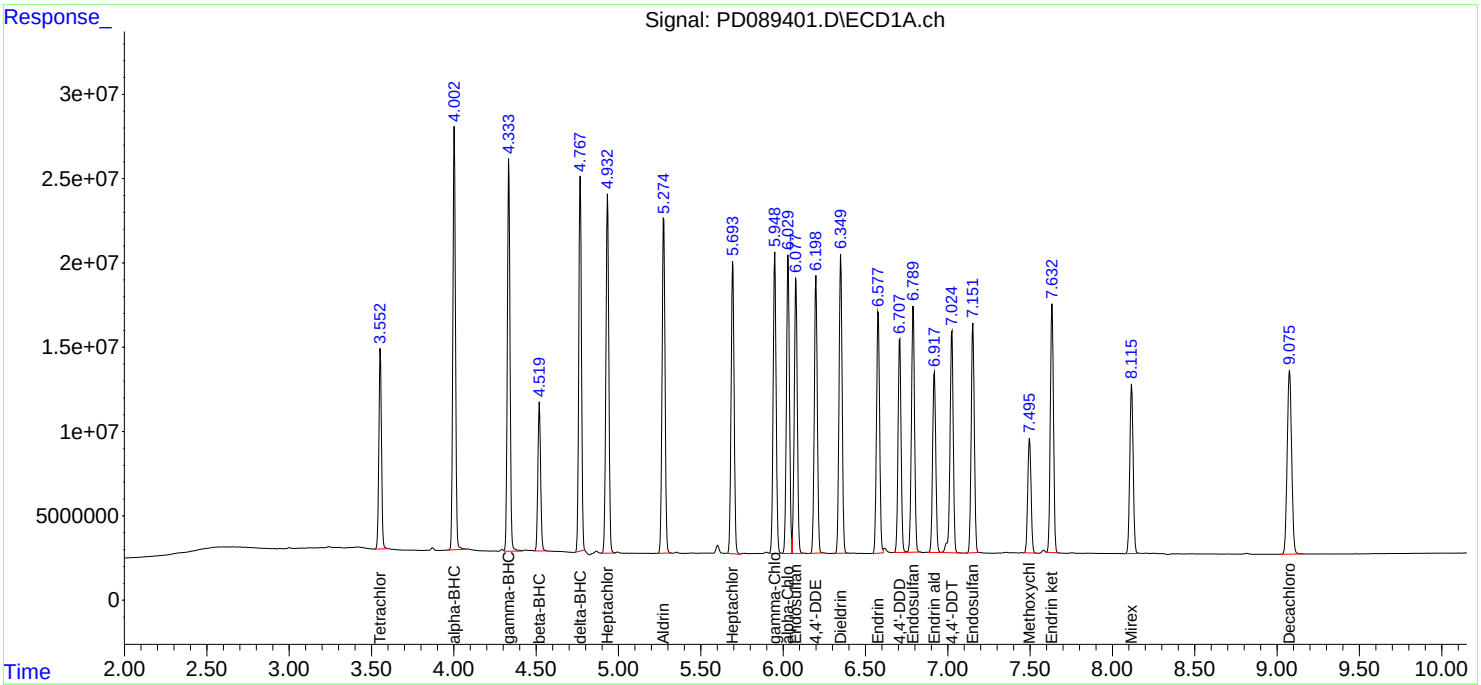
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

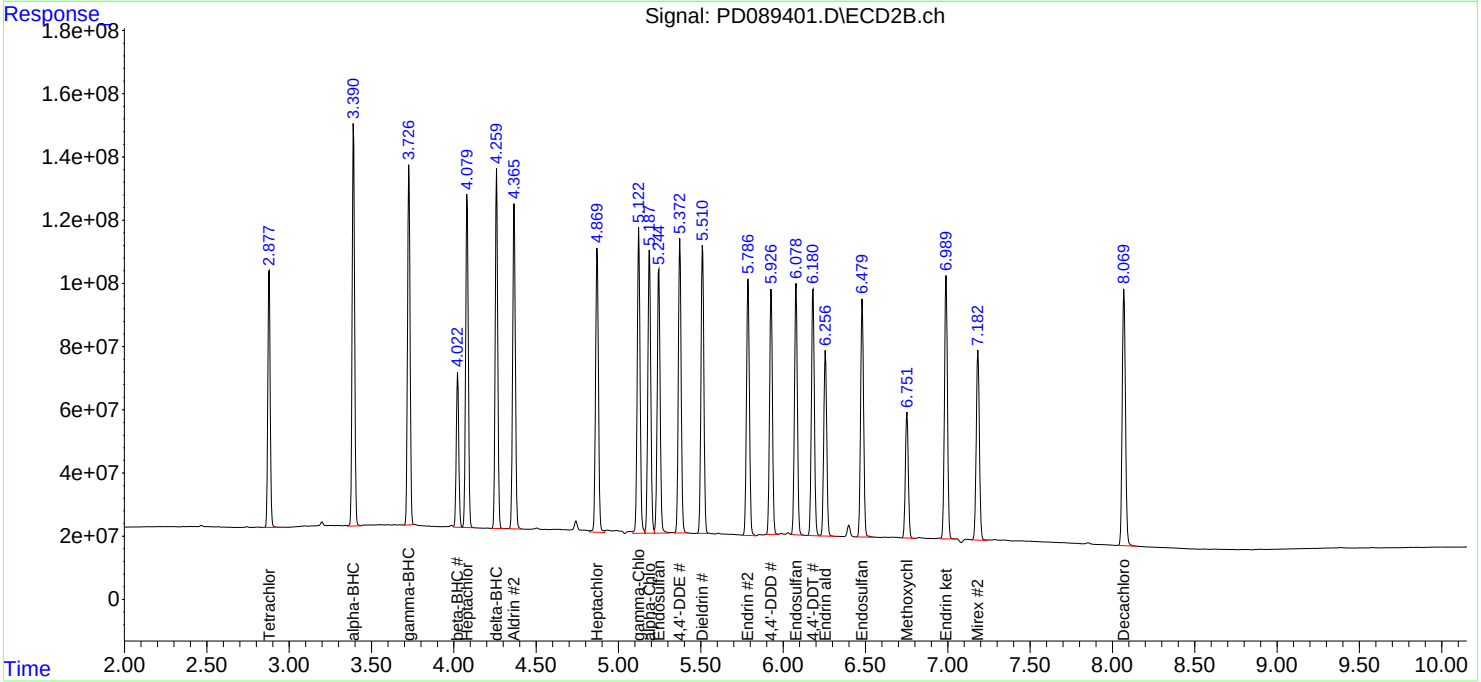
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:42:49 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: **PD089413.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 17:24 **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	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
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	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
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: **PD089413.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 17:24 **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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

Client Sample No.: CCAL02 **Date Analyzed:** 07/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089413.D **Time Analyzed:** 17:24

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.708	6.605	6.805	45.880	50.000	-8.2
4,4'-DDE	6.199	6.096	6.296	45.280	50.000	-9.4
4,4'-DDT	7.024	6.921	7.121	43.960	50.000	-12.1
Aldrin	5.275	5.171	5.371	46.570	50.000	-6.9
alpha-BHC	4.003	3.899	4.099	47.370	50.000	-5.3
alpha-Chlordane	6.030	5.927	6.127	45.680	50.000	-8.6
beta-BHC	4.519	4.415	4.615	46.220	50.000	-7.6
Decachlorobiphenyl	9.076	8.972	9.172	50.570	50.000	1.1
delta-BHC	4.768	4.664	4.864	49.070	50.000	-1.9
Dieldrin	6.351	6.247	6.447	45.940	50.000	-8.1
Endosulfan I	6.078	5.975	6.175	45.610	50.000	-8.8
Endosulfan II	6.790	6.686	6.886	45.590	50.000	-8.8
Endosulfan sulfate	7.152	7.049	7.249	44.200	50.000	-11.6
Endrin	6.578	6.475	6.675	44.880	50.000	-10.2
Endrin aldehyde	6.918	6.815	7.015	43.500	50.000	-13.0
Endrin ketone	7.634	7.530	7.730	45.050	50.000	-9.9
gamma-BHC (Lindane)	4.334	4.230	4.430	46.980	50.000	-6.0
gamma-Chlordane	5.949	5.846	6.046	45.780	50.000	-8.4
Heptachlor	4.933	4.829	5.029	47.130	50.000	-5.7
Heptachlor epoxide	5.694	5.591	5.791	45.010	50.000	-10.0
Methoxychlor	7.496	7.393	7.593	42.190	50.000	-15.6
Tetrachloro-m-xylene	3.554	3.450	3.650	45.900	50.000	-8.2

Raw Data: **PD089413.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

Client Sample No.: CCAL02 **Date Analyzed:** 07/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089413.D **Time Analyzed:** 17:24

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	47.540	50.000	-4.9
4,4'-DDE	5.375	5.275	5.475	47.860	50.000	-4.3
4,4'-DDT	6.183	6.084	6.284	46.570	50.000	-6.9
Aldrin	4.368	4.269	4.469	48.690	50.000	-2.6
alpha-BHC	3.393	3.293	3.493	49.090	50.000	-1.8
alpha-Chlordane	5.190	5.091	5.291	48.060	50.000	-3.9
beta-BHC	4.025	3.926	4.126	48.020	50.000	-4.0
Decachlorobiphenyl	8.073	7.972	8.172	52.410	50.000	4.8
delta-BHC	4.262	4.162	4.362	48.870	50.000	-2.3
Dieldrin	5.511	5.413	5.613	47.660	50.000	-4.7
Endosulfan I	5.246	5.147	5.347	48.310	50.000	-3.4
Endosulfan II	6.080	5.981	6.181	46.980	50.000	-6.0
Endosulfan sulfate	6.482	6.383	6.583	46.970	50.000	-6.1
Endrin	5.789	5.689	5.889	46.740	50.000	-6.5
Endrin aldehyde	6.258	6.159	6.359	46.010	50.000	-8.0
Endrin ketone	6.992	6.892	7.092	46.480	50.000	-7.0
gamma-BHC (Lindane)	3.728	3.630	3.830	48.710	50.000	-2.6
gamma-Chlordane	5.125	5.026	5.226	48.280	50.000	-3.4
Heptachlor	4.082	3.983	4.183	47.870	50.000	-4.3
Heptachlor epoxide	4.871	4.773	4.973	48.190	50.000	-3.6
Methoxychlor	6.754	6.655	6.855	44.730	50.000	-10.5
Tetrachloro-m-xylene	2.880	2.780	2.980	48.850	50.000	-2.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 17:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:45:56 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	2.880	131.0E6	828.1E6	45.902	48.848
28)	SA Decachlor...	9.076	8.073	198.6E6	1036.1E6	50.566	52.407
	Target Compounds						
2)	A alpha-BHC	4.003	3.393	276.1E6	1315.5E6	47.372	49.090
3)	MA gamma-BHC...	4.334	3.728	262.2E6	1206.0E6	46.978	48.712m
4)	MA Heptachlor	4.933	4.082	256.9E6	1198.7E6	47.127	47.873
5)	MB Aldrin	5.275	4.368	247.4E6	1179.1E6	46.572	48.688
6)	B beta-BHC	4.519	4.025	102.0E6	516.1E6	46.222	48.024
7)	B delta-BHC	4.768	4.262	251.9E6	1215.6E6	49.072	48.872
8)	B Heptachlo...	5.694	4.871	217.1E6	1055.2E6	45.015	48.187m
9)	A Endosulfan I	6.078	5.246	205.6E6	1006.9E6	45.613	48.308
10)	B gamma-Chl...	5.949	5.125	219.2E6	1155.0E6	45.785	48.279
11)	B alpha-Chl...	6.030	5.190	221.0E6	1100.5E6	45.678	48.062
12)	B 4,4'-DDE	6.199	5.375	197.5E6	1096.9E6	45.280	47.865
13)	MA Dieldrin	6.351	5.511	220.4E6	1106.2E6	45.939	47.663m
14)	MA Endrin	6.578	5.789	185.1E6	1014.9E6	44.875	46.737
15)	B Endosulfa...	6.790	6.080	184.0E6	948.9E6	45.586	46.984
16)	A 4,4'-DDD	6.708	5.929	157.4E6	909.5E6	45.876	47.544
17)	MA 4,4'-DDT	7.024	6.183	166.5E6	944.4E6	43.955	46.572
18)	B Endrin al...	6.918	6.258	133.3E6	704.4E6	43.497	46.008
19)	B Endosulfa...	7.152	6.482	169.6E6	921.6E6	44.203	46.971
20)	A Methoxychlor	7.496	6.754	85253091	481.6E6	42.191	44.727
21)	B Endrin ke...	7.634	6.992	183.5E6	1004.0E6	45.045	46.479
22)	Mirex	8.117	7.185	130.3E6	761.8E6	42.864	45.677

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

Sample Results: **PD089413.D**

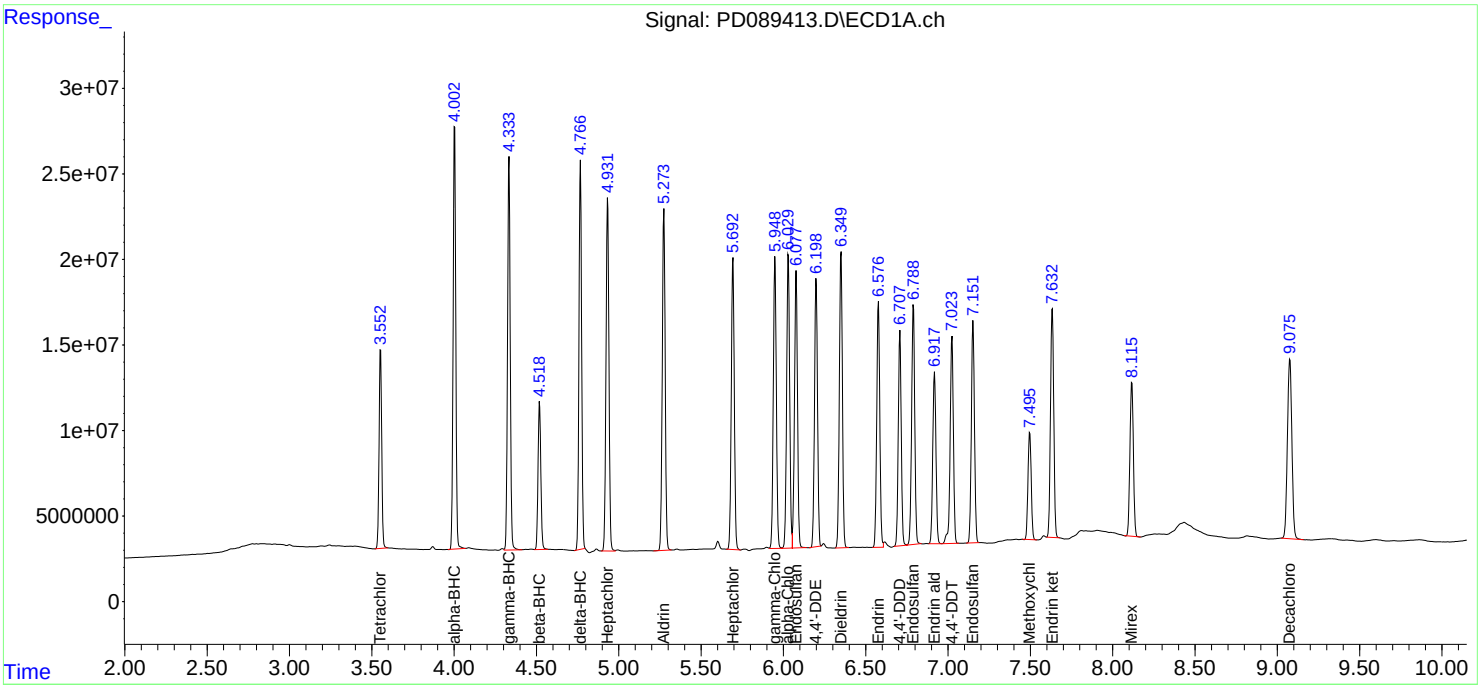
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 17:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

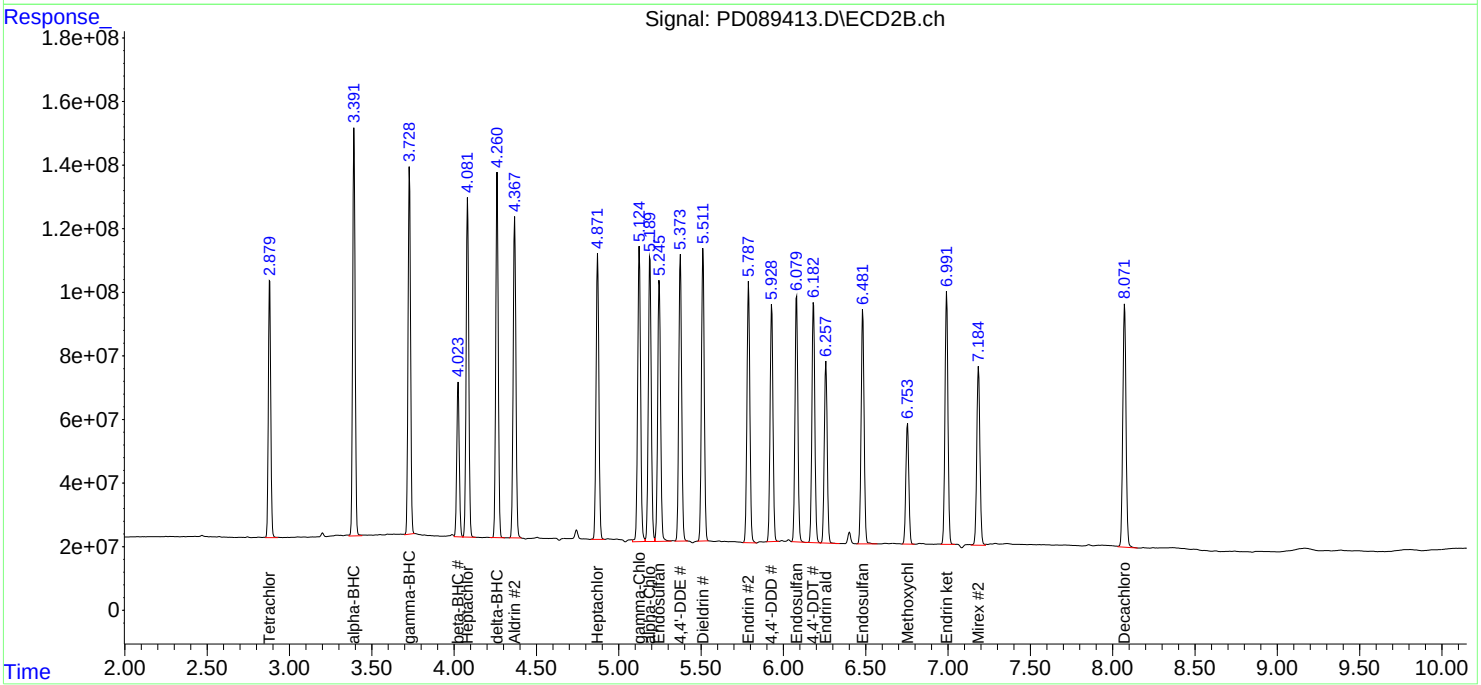
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:45:56 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: **PD089425.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 20:09 **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	0.01
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: **PD089425.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 20:09 **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	5.37	5.38	5.28	5.48	0.01
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	5.12	5.13	5.03	5.23	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089425.D **Time Analyzed:** 20:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	46.270	50.000	-7.5
4,4'-DDE	6.195	6.096	6.296	45.890	50.000	-8.2
4,4'-DDT	7.020	6.921	7.121	44.560	50.000	-10.9
Aldrin	5.270	5.171	5.371	47.300	50.000	-5.4
alpha-BHC	3.999	3.899	4.099	48.090	50.000	-3.8
alpha-Chlordane	6.026	5.927	6.127	46.070	50.000	-7.9
beta-BHC	4.515	4.415	4.615	46.700	50.000	-6.6
Decachlorobiphenyl	9.071	8.972	9.172	51.740	50.000	3.5
delta-BHC	4.764	4.664	4.864	50.340	50.000	0.7
Dieldrin	6.345	6.247	6.447	46.270	50.000	-7.5
Endosulfan I	6.074	5.975	6.175	46.060	50.000	-7.9
Endosulfan II	6.785	6.686	6.886	45.820	50.000	-8.4
Endosulfan sulfate	7.148	7.049	7.249	44.990	50.000	-10.0
Endrin	6.573	6.475	6.675	44.280	50.000	-11.4
Endrin aldehyde	6.914	6.815	7.015	44.150	50.000	-11.7
Endrin ketone	7.629	7.530	7.730	45.340	50.000	-9.3
gamma-BHC (Lindane)	4.330	4.230	4.430	47.870	50.000	-4.3
gamma-Chlordane	5.945	5.846	6.046	46.360	50.000	-7.3
Heptachlor	4.929	4.829	5.029	47.400	50.000	-5.2
Heptachlor epoxide	5.690	5.591	5.791	46.080	50.000	-7.8
Methoxychlor	7.491	7.393	7.593	42.620	50.000	-14.8
Tetrachloro-m-xylene	3.550	3.450	3.650	46.860	50.000	-6.3

Raw Data: **PD089425.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/09/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089425.D **Time Analyzed:** 20:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	49.490	50.000	-1.0
4,4'-DDE	5.374	5.275	5.475	49.540	50.000	-0.9
4,4'-DDT	6.182	6.084	6.284	47.780	50.000	-4.4
Aldrin	4.368	4.269	4.469	50.210	50.000	0.4
alpha-BHC	3.393	3.293	3.493	50.410	50.000	0.8
alpha-Chlordane	5.189	5.091	5.291	49.500	50.000	-1.0
beta-BHC	4.025	3.926	4.126	49.730	50.000	-0.5
Decachlorobiphenyl	8.071	7.972	8.172	54.420	50.000	8.8
delta-BHC	4.261	4.162	4.362	50.380	50.000	0.8
Dieldrin	5.512	5.413	5.613	49.390	50.000	-1.2
Endosulfan I	5.246	5.147	5.347	49.970	50.000	-0.1
Endosulfan II	6.079	5.981	6.181	48.500	50.000	-3.0
Endosulfan sulfate	6.481	6.383	6.583	48.470	50.000	-3.1
Endrin	5.788	5.689	5.889	47.750	50.000	-4.5
Endrin aldehyde	6.258	6.159	6.359	47.430	50.000	-5.1
Endrin ketone	6.990	6.892	7.092	48.230	50.000	-3.5
gamma-BHC (Lindane)	3.728	3.630	3.830	50.320	50.000	0.6
gamma-Chlordane	5.124	5.026	5.226	49.780	50.000	-0.4
Heptachlor	4.082	3.983	4.183	49.380	50.000	-1.2
Heptachlor epoxide	4.872	4.773	4.973	51.060	50.000	2.1
Methoxychlor	6.753	6.655	6.855	45.850	50.000	-8.3
Tetrachloro-m-xylene	2.881	2.780	2.980	50.370	50.000	0.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 20:09
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:48:34 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...	3.550	2.881	133.7E6	853.9E6	46.861	50.367
28)	SA Decachlor...	9.071	8.071	203.2E6	1075.9E6	51.743	54.420
	Target Compounds						
2)	A alpha-BHC	3.999	3.393	280.3E6	1350.7E6	48.087	50.406
3)	MA gamma-BHC...	4.330	3.728	267.2E6	1245.7E6	47.870	50.318m
4)	MA Heptachlor	4.929	4.082	258.4E6	1236.4E6	47.396	49.381
5)	MB Aldrin	5.270	4.368	251.3E6	1216.0E6	47.296	50.213
6)	B beta-BHC	4.515	4.025	103.1E6	534.4E6	46.699	49.727
7)	B delta-BHC	4.764	4.261	258.4E6	1253.2E6	50.341	50.383
8)	B Heptachlo...	5.690	4.872	222.3E6	1118.2E6	46.080	51.062
9)	A Endosulfan I	6.074	5.246	207.6E6	1041.5E6	46.064	49.971
10)	B gamma-Chl...	5.945	5.124	222.0E6	1190.9E6	46.362	49.783
11)	B alpha-Chl...	6.026	5.189	222.9E6	1133.4E6	46.073	49.501
12)	B 4,4'-DDE	6.195	5.374	200.1E6	1135.2E6	45.887	49.536
13)	MA Dieldrin	6.345	5.512	222.0E6	1146.2E6	46.271	49.388
14)	MA Endrin	6.573	5.788	182.7E6	1036.8E6	44.280	47.748
15)	B Endosulfa...	6.785	6.079	185.0E6	979.6E6	45.824	48.503
16)	A 4,4'-DDD	6.704	5.928	158.8E6	946.7E6	46.272	49.491
17)	MA 4,4'-DDT	7.020	6.182	168.8E6	968.9E6	44.556	47.776
18)	B Endrin al...	6.914	6.258	135.3E6	726.2E6	44.152	47.431
19)	B Endosulfa...	7.148	6.481	172.6E6	951.0E6	44.987	48.468
20)	A Methoxychlor	7.491	6.753	86119716	493.7E6	42.620	45.847
21)	B Endrin ke...	7.629	6.990	184.7E6	1041.8E6	45.343	48.227
22)	Mirex	8.112	7.184	133.8E6	776.1E6	44.017	46.537

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

Sample Results: **PD089425.D**

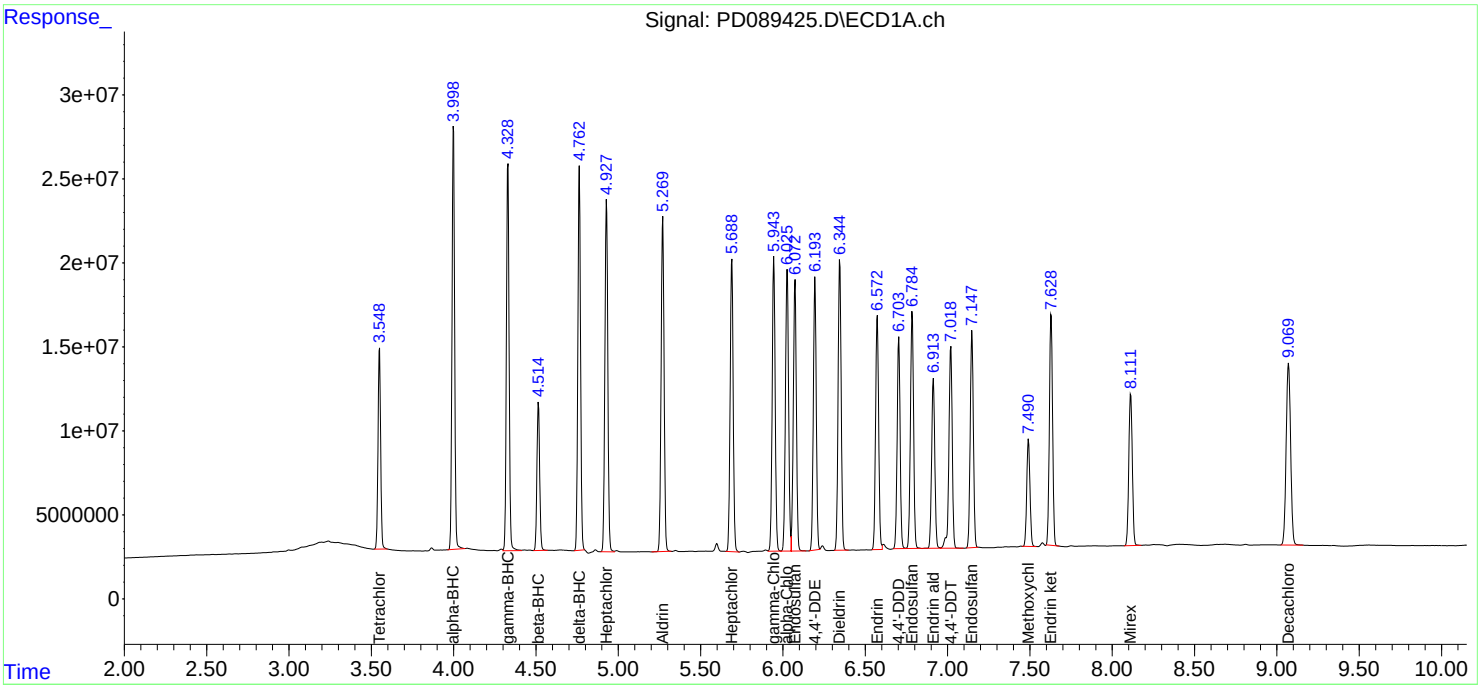
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 20:09
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

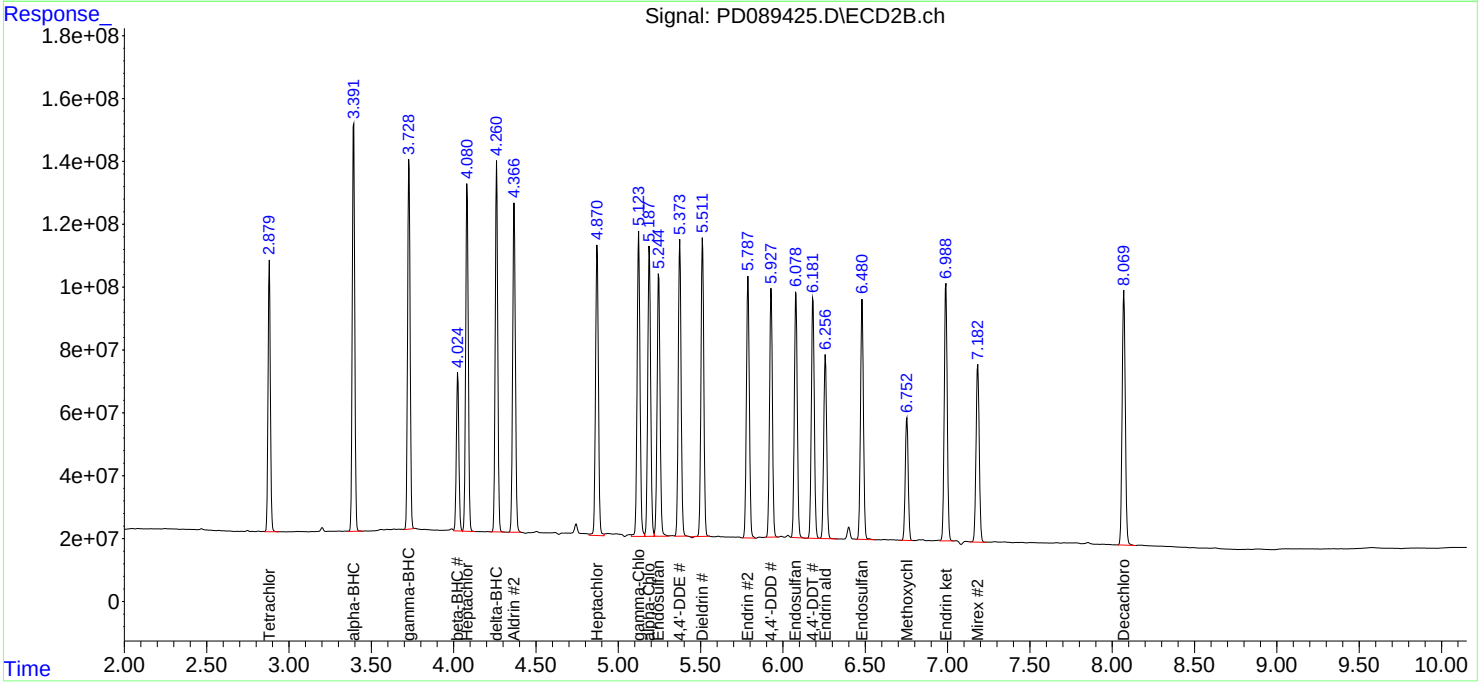
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:48:34 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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

PEM

Data File: PD088991.D **Date Acquired** 6/17/2025 15:25

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.57	207333894.1	209255517.9	1921623.79	**0.92**
Endrin aldehyde	6.92	451112.312			
Endrin ketone	7.63	1470511.475			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.79	1096382248	1116463040	20080792.5	**1.80**
Endrin aldehyde #2	6.26	9421924.419			
Endrin ketone #2	6.99	10658868.11			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.02	381930079.7	382533900.3	603820.602	**0.16**
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	603820.602			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.18	1948442735	1954044979	5602243.98	**0.29**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	5602243.978			

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.

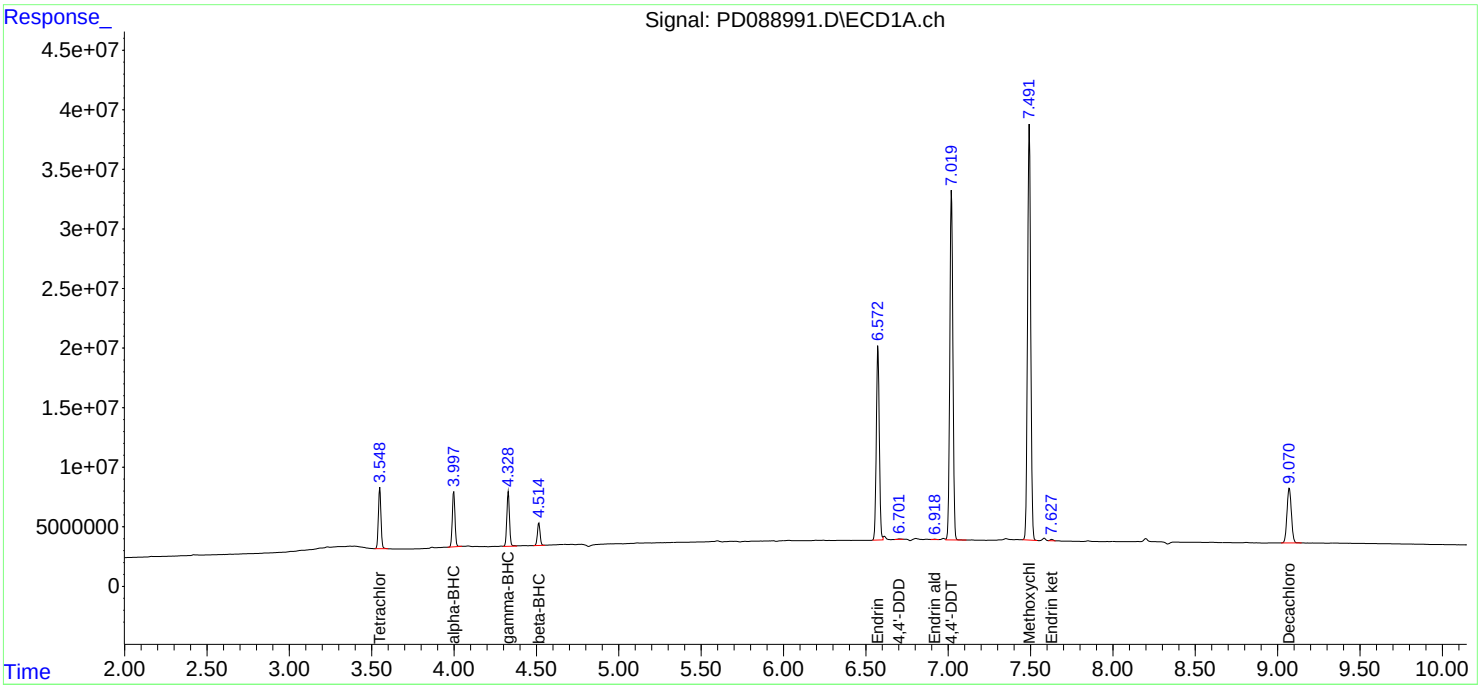
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

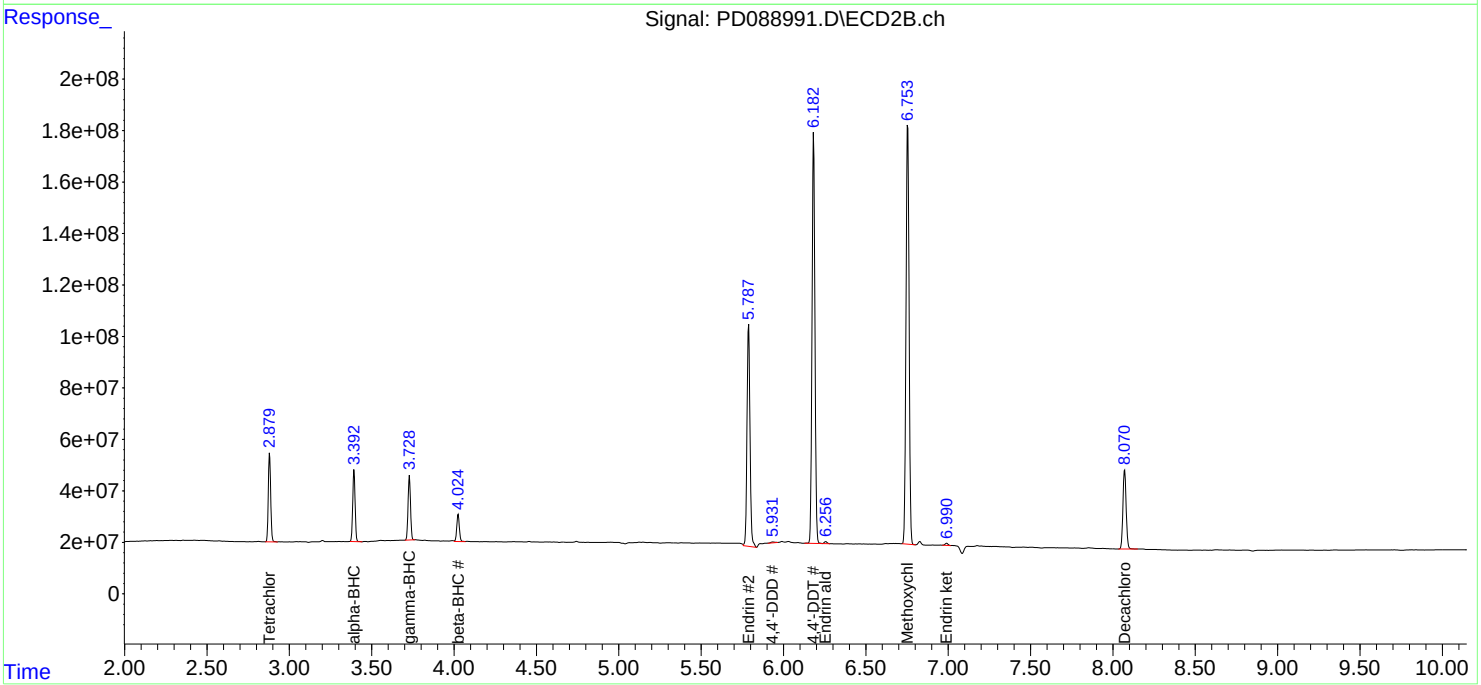
Instrument :
ECD_D
ClientSampleId :
PEM

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

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

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

Client Sample No. (PEM): PEM - PD089400.D **Date Analyzed:** 07/09/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.081	8.980	9.180	23.500	20.000	17.5
Tetrachloro-m-xylene	3.556	3.510	3.610	22.740	20.000	13.7
alpha-BHC	4.006	3.960	4.060	10.770	10.000	7.7
beta-BHC	4.523	4.470	4.570	11.770	10.000	17.7
gamma-BHC (Lindane)	4.337	4.290	4.390	11.220	10.000	12.2
Endrin	6.581	6.510	6.650	57.850	50.000	15.7
4,4'-DDT	7.028	6.960	7.100	118.490	100.000	18.5
Methoxychlor	7.500	7.430	7.570	265.990	250.000	6.4

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

Client Sample No. (PEM): PEM - PD089400.D **Date Analyzed:** 07/09/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.970	8.170	25.160	20.000	25.8
Tetrachloro-m-xylene	2.878	2.830	2.930	24.700	20.000	23.5
alpha-BHC	3.391	3.340	3.440	12.900	10.000	29.0
beta-BHC	4.024	3.970	4.070	12.710	10.000	27.1
gamma-BHC (Lindane)	3.728	3.680	3.780	12.690	10.000	26.9
Endrin	5.788	5.720	5.860	55.550	50.000	11.1
4,4'-DDT	6.183	6.110	6.250	112.280	100.000	12.3
Methoxychlor	6.753	6.680	6.820	213.420	250.000	-14.6

PEM

Data File: PD089400.D **Date Acquired** 7/9/2025 13:22

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.58	238652757.9	244342315	5689557.09	**2.33**
Endrin aldehyde	6.92	1078046.385			
Endrin ketone	7.64	4611510.708			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1206232395	1253967477	47735081.5	**3.81**
Endrin aldehyde #2	6.26	14424720.42			
Endrin ketone #2	6.99	33310361.12			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	448845862.7	453617669.8	4771807.07	**1.05**
4,4'-DDE	6.20	786931.783			
4,4'-DDD	6.71	3984875.291			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2276997131	2305514150	28517019.1	**1.24**
4,4'-DDE #2	5.37	2303867.578			
4,4'-DDD #2	5.93	26213151.53			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 13:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:42:33 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...	3.556	2.878	64868884	418.8E6	22.736	24.704
28)	SA Decachlor...	9.081	8.072	92313287	497.5E6	23.504	25.163
	Target Compounds						
2)	A alpha-BHC	4.006	3.391	62798501	345.7E6	10.773	12.900
3)	MA gamma-BHC...	4.337	3.728	62610769	314.2E6	11.217	12.691
6)	B beta-BHC	4.523	4.024	25968681	136.6E6	11.766	12.715
12)	B 4,4'-DDE	6.201	5.374	786932	2303868	0.180m	0.101m#
14)	MA Endrin	6.581	5.788	238.7E6	1206.2E6	57.847	55.551
16)	A 4,4'-DDD	6.712	5.929	3984875	26213152	1.161	1.370
17)	MA 4,4'-DDT	7.028	6.183	448.8E6	2277.0E6	118.485	112.282
18)	B Endrin al...	6.923	6.256	1078046	14424720	0.352	0.942 #
20)	A Methoxychlor	7.500	6.753	537.5E6	2298.1E6	265.994	213.416
21)	B Endrin ke...	7.635	6.990	4611511	33310361	1.132m	1.542 #

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

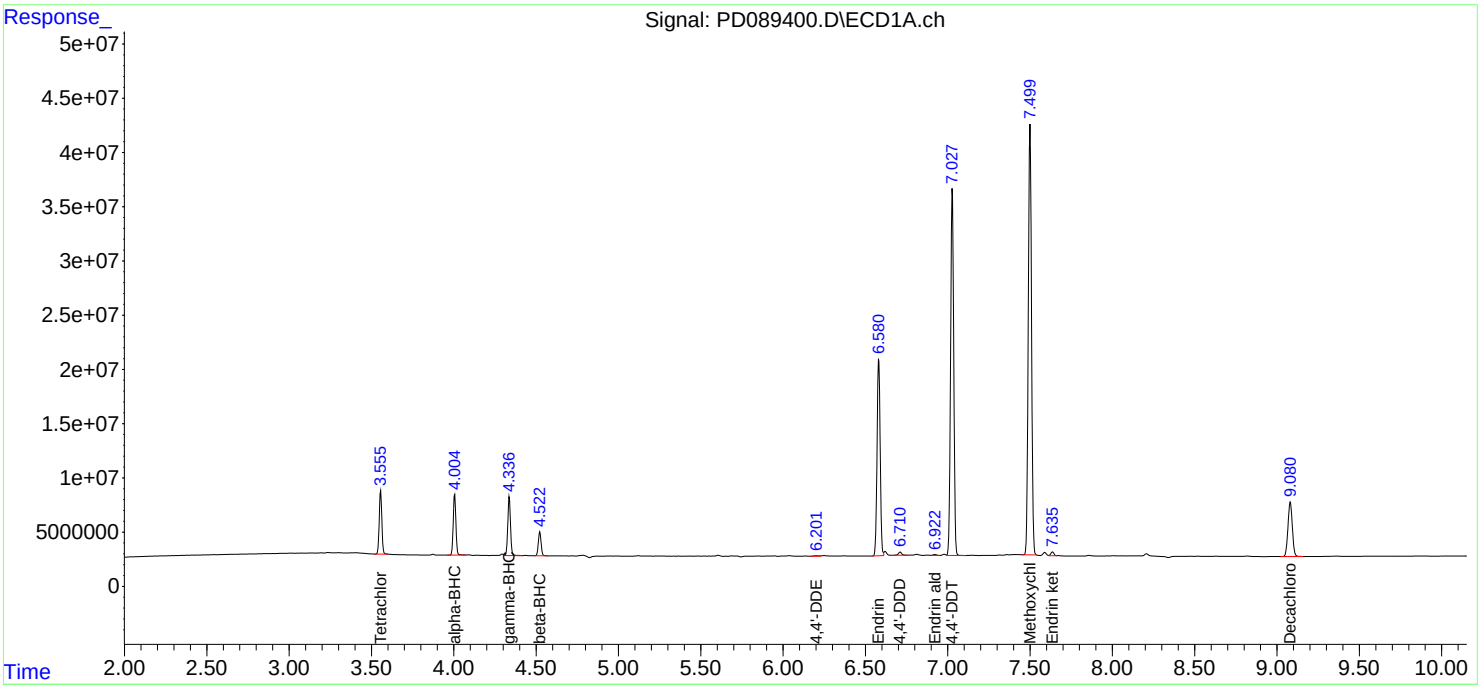
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 13:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

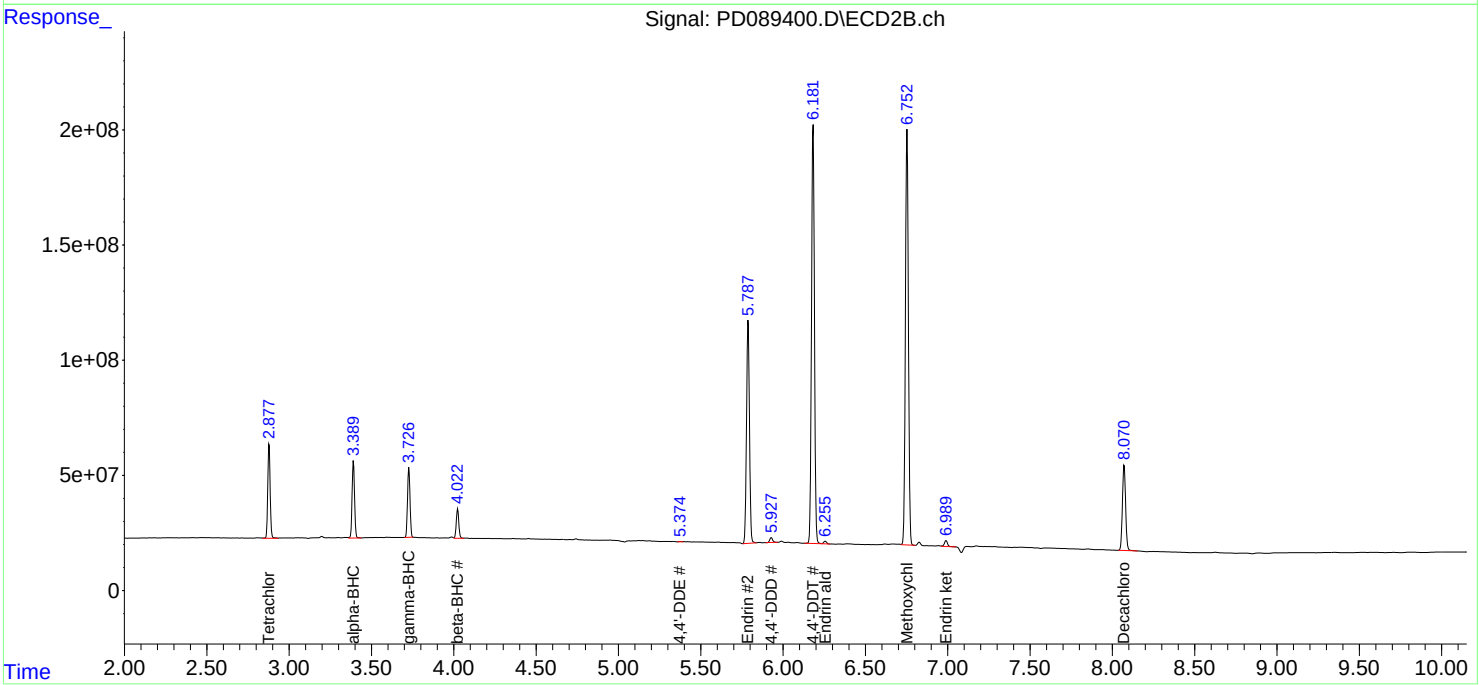
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:42:33 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





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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2529

Project: South River WM Replacement **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:

CLIENT ID	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
I.BLK	I.BLK	07/09/2025	11:14	PD089399.D	9.08	3.56
PEM	PEM	07/09/2025	13:22	PD089400.D	9.08	3.56
PSTDCCC050	PSTDCCC050	07/09/2025	13:54	PD089401.D	9.08	3.55
PB168765BL	PB168765BL	07/09/2025	14:08	PD089402.D	9.07	3.55
PB168765BS	PB168765BS	07/09/2025	14:21	PD089403.D	9.07	3.55
TP-14MS	Q2517-01MS	07/09/2025	15:18	PD089405.D	9.07	3.55
TP-14MSD	Q2517-01MSD	07/09/2025	15:31	PD089406.D	9.07	3.55
I.BLK	I.BLK	07/09/2025	16:54	PD089412.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/09/2025	17:24	PD089413.D	9.08	3.55
TP-91	Q2529-01	07/09/2025	17:39	PD089414.D	9.07	3.55
TP-80	Q2529-02	07/09/2025	17:52	PD089415.D	9.07	3.55
TP-79	Q2529-03	07/09/2025	18:06	PD089416.D	9.07	3.55
TP-95	Q2529-04	07/09/2025	18:20	PD089417.D	9.07	3.55
TP-98	Q2529-05	07/09/2025	18:33	PD089418.D	9.07	3.55
TP-102	Q2529-06	07/09/2025	18:47	PD089419.D	9.07	3.55
TP-101	Q2529-07	07/09/2025	19:01	PD089420.D	9.07	3.55
TP-89	Q2529-08	07/09/2025	19:14	PD089421.D	9.07	3.55
TP-33	Q2529-09	07/09/2025	19:28	PD089422.D	9.07	3.55
TP-30	Q2529-10	07/09/2025	19:42	PD089423.D	9.07	3.55
I.BLK	I.BLK	07/09/2025	19:55	PD089424.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/09/2025	20:09	PD089425.D	9.07	3.55

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2529

Project: South River WM Replacement **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:

CLIENT ID	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
I.BLK	I.BLK	07/09/2025	11:14	PD089399.D	8.07	2.88
PEM	PEM	07/09/2025	13:22	PD089400.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/09/2025	13:54	PD089401.D	8.07	2.88
PB168765BL	PB168765BL	07/09/2025	14:08	PD089402.D	8.07	2.88
PB168765BS	PB168765BS	07/09/2025	14:21	PD089403.D	8.07	2.88
TP-14MS	Q2517-01MS	07/09/2025	15:18	PD089405.D	8.07	2.88
TP-14MSD	Q2517-01MSD	07/09/2025	15:31	PD089406.D	8.07	2.88
I.BLK	I.BLK	07/09/2025	16:54	PD089412.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/09/2025	17:24	PD089413.D	8.07	2.88
TP-91	Q2529-01	07/09/2025	17:39	PD089414.D	8.07	2.88
TP-80	Q2529-02	07/09/2025	17:52	PD089415.D	8.07	2.88
TP-79	Q2529-03	07/09/2025	18:06	PD089416.D	8.07	2.88
TP-95	Q2529-04	07/09/2025	18:20	PD089417.D	8.07	2.88
TP-98	Q2529-05	07/09/2025	18:33	PD089418.D	8.07	2.88
TP-102	Q2529-06	07/09/2025	18:47	PD089419.D	8.07	2.88
TP-101	Q2529-07	07/09/2025	19:01	PD089420.D	8.07	2.88
TP-89	Q2529-08	07/09/2025	19:14	PD089421.D	8.07	2.88
TP-33	Q2529-09	07/09/2025	19:28	PD089422.D	8.07	2.88
TP-30	Q2529-10	07/09/2025	19:42	PD089423.D	8.07	2.88
I.BLK	I.BLK	07/09/2025	19:55	PD089424.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/09/2025	20:09	PD089425.D	8.07	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168765BS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Lab Sample ID: PB168765BS **Date(s) Analyzed:** 07/09/2025 07/09/2025

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	18.6	3.2
	2	5.93	5.88	5.98	19.2	
4,4'-DDE	1	6.20	6.15	6.25	18.6	2.7
	2	5.37	5.32	5.42	19.1	
4,4'-DDT	1	7.02	6.97	7.07	18.8	1.6
	2	6.18	6.13	6.23	19.1	
alpha-BHC	1	4.00	3.95	4.05	18.1	4.3
	2	3.39	3.34	3.44	18.9	
Aldrin	1	5.27	5.22	5.32	18.4	3.7
	2	4.37	4.32	4.42	19.1	
alpha-Chlordane	1	6.03	5.98	6.08	18.2	3.8
	2	5.19	5.14	5.24	18.9	
Endosulfan II	1	6.78	6.73	6.83	18.6	2.7
	2	6.08	6.03	6.13	19.1	
Endosulfan sulfate	1	7.15	7.10	7.20	18.4	3.7
	2	6.48	6.43	6.53	19.1	
beta-BHC	1	4.52	4.47	4.57	17.2	7.8
	2	4.02	3.97	4.07	18.6	
delta-BHC	1	4.76	4.71	4.81	19.3	1.6
	2	4.26	4.21	4.31	19.0	
Endosulfan I	1	6.07	6.02	6.12	18.4	4.3
	2	5.25	5.20	5.30	19.2	
Dieldrin	1	6.35	6.30	6.40	18.6	2.7
	2	5.51	5.46	5.56	19.1	
Endrin aldehyde	1	6.91	6.86	6.96	18.5	2.7
	2	6.26	6.21	6.31	19.0	
Methoxychlor	1	7.49	7.44	7.54	18.0	1.1
	2	6.75	6.70	6.80	18.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168765BS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Lab Sample ID: PB168765BS **Date(s) Analyzed:** 07/09/2025 07/09/2025

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	18.9	2.6
	2	6.99	6.94	7.04	19.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.1	4.9
	2	3.73	3.68	3.78	19.0	
Heptachlor	1	4.93	4.88	4.98	18.6	1.1
	2	4.08	4.03	4.13	18.8	
Heptachlor epoxide	1	5.69	5.64	5.74	18.1	5.9
	2	4.87	4.82	4.92	19.2	
gamma-Chlordane	1	5.95	5.90	6.00	18.5	2.1
	2	5.12	5.07	5.17	18.9	
Endrin	1	6.57	6.52	6.62	17.9	0.6
	2	5.79	5.74	5.84	18.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Lab Sample ID: Q2517-01MS **Date(s) Analyzed:** 07/09/2025 07/09/2025

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	18.4	5.6
	2	5.93	5.88	5.98	17.4	
4,4'-DDT	1	7.02	6.97	7.07	18.2	2.7
	2	6.18	6.13	6.23	18.7	
alpha-BHC	1	4.00	3.95	4.05	17.8	4.9
	2	3.39	3.34	3.44	18.7	
Aldrin	1	5.27	5.22	5.32	18.3	2.2
	2	4.37	4.32	4.42	18.7	
beta-BHC	1	4.52	4.47	4.57	17.7	3.3
	2	4.02	3.97	4.07	18.3	
alpha-Chlordane	1	6.03	5.98	6.08	17.9	6.5
	2	5.19	5.14	5.24	19.1	
4,4'-DDE	1	6.20	6.15	6.25	18.1	3.8
	2	5.37	5.32	5.42	18.8	
Endosulfan II	1	6.79	6.74	6.84	14.6	24.6
	2	6.08	6.03	6.13	18.7	
Endrin aldehyde	1	6.91	6.86	6.96	18.0	2.2
	2	6.26	6.21	6.31	18.4	
Endosulfan sulfate	1	7.15	7.10	7.20	17.7	3.3
	2	6.48	6.43	6.53	18.3	
Methoxychlor	1	7.49	7.44	7.54	17.8	1.7
	2	6.75	6.70	6.80	18.1	
Endrin ketone	1	7.63	7.58	7.68	18.2	2.7
	2	6.99	6.94	7.04	18.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.9	4.4
	2	3.73	3.68	3.78	18.7	
Heptachlor	1	4.93	4.88	4.98	18.2	1.6
	2	4.08	4.03	4.13	18.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Lab Sample ID: Q2517-01MS **Date(s) Analyzed:** 07/09/2025 07/09/2025

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
delta-BHC	1	4.76	4.71	4.81	19.1	1.6
	2	4.26	4.21	4.31	18.8	
Heptachlor epoxide	1	5.69	5.64	5.74	17.9	3.8
	2	4.87	4.82	4.92	18.6	
Endosulfan I	1	6.07	6.02	6.12	18.0	3.3
	2	5.24	5.19	5.29	18.6	
gamma-Chlordane	1	5.95	5.90	6.00	17.3	5.1
	2	5.12	5.07	5.17	18.2	
Dieldrin	1	6.35	6.30	6.40	18.1	2.7
	2	5.51	5.46	5.56	18.6	
Endrin	1	6.57	6.52	6.62	18.2	0
	2	5.79	5.74	5.84	18.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MSD

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Lab Sample ID: Q2517-01MSD **Date(s) Analyzed:** 07/09/2025 07/09/2025

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	14.6	25.1
	2	6.08	6.03	6.13	18.8	
4,4'-DDD	1	6.70	6.65	6.75	18.7	5.5
	2	5.93	5.88	5.98	17.7	
4,4'-DDT	1	7.02	6.97	7.07	18.4	2.7
	2	6.18	6.13	6.23	18.9	
Endrin aldehyde	1	6.91	6.86	6.96	18.3	1.1
	2	6.26	6.21	6.31	18.5	
Endosulfan sulfate	1	7.15	7.10	7.20	17.8	3.9
	2	6.48	6.43	6.53	18.5	
alpha-BHC	1	4.00	3.95	4.05	18.1	4.9
	2	3.39	3.34	3.44	19.0	
Aldrin	1	5.27	5.22	5.32	18.3	4.3
	2	4.37	4.32	4.42	19.1	
beta-BHC	1	4.52	4.47	4.57	17.9	4.4
	2	4.02	3.97	4.07	18.7	
delta-BHC	1	4.76	4.71	4.81	19.4	1.6
	2	4.26	4.21	4.31	19.1	
Endosulfan I	1	6.07	6.02	6.12	18.2	3.8
	2	5.24	5.19	5.29	18.9	
alpha-Chlordane	1	6.03	5.98	6.08	18.1	7.4
	2	5.19	5.14	5.24	19.5	
4,4'-DDE	1	6.20	6.15	6.25	18.3	4.3
	2	5.37	5.32	5.42	19.1	
Dieldrin	1	6.35	6.30	6.40	18.3	3.2
	2	5.51	5.46	5.56	18.9	
Endrin	1	6.57	6.52	6.62	18.4	0.5
	2	5.79	5.74	5.84	18.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-14MSD

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Lab Sample ID: Q2517-01MSD **Date(s) Analyzed:** 07/09/2025 07/09/2025

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
Methoxychlor	1	7.49	7.44	7.54	18.0	1.1
	2	6.75	6.70	6.80	18.2	
Endrin ketone	1	7.63	7.58	7.68	18.3	2.7
	2	6.99	6.94	7.04	18.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	18.3	4.3
	2	3.73	3.68	3.78	19.1	
Heptachlor	1	4.93	4.88	4.98	18.5	2.1
	2	4.08	4.03	4.13	18.9	
Heptachlor epoxide	1	5.69	5.64	5.74	18.1	3.8
	2	4.87	4.82	4.92	18.8	
gamma-Chlordane	1	5.94	5.89	5.99	17.5	5.6
	2	5.12	5.07	5.17	18.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-80

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Lab Sample ID: Q2529-02 **Date(s) Analyzed:** 07/09/2025 07/09/2025

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	0.30	61.5
	2	6.18	6.13	6.23	0.56	
Dieldrin	1	6.35	6.30	6.40	0.63	69.8
	2	5.51	5.46	5.56	1.30	
Endrin	1	6.58	6.53	6.63	0.60	14.7
	2	5.78	5.73	5.83	0.70	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-91

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2529

Lab Sample ID: Q2529-01 **Date(s) Analyzed:** 07/09/2025 07/09/2025

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	0.30	54.4
	2	6.18	6.13	6.23	0.53	
4,4'-DDE	1	6.20	6.15	6.25	0.25	51.4
	2	5.37	5.32	5.42	0.42	

QC SAMPLE DATA

Raw Data: **PD089402.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168765BL	SDG No.:	Q2529
Lab Sample ID:	PB168765BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089402.D	1	07/09/25 08:20	07/09/25 14:08	PB168765

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	19.1		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Raw Data: **PD089402.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168765BL	SDG No.:	Q2529
Lab Sample ID:	PB168765BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089402.D	1	07/09/25 08:20	07/09/25 14:08	PB168765

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\PD070925\
Data File : PD089402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 14:08
Operator : AR\AJ
Sample : PB168765BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168765BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:43:05 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	45160851	312.7E6	15.829	18.443
28)	SA Decachlor...	9.071	8.069	69385477	378.5E6	17.666	19.145
	Target Compounds						

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

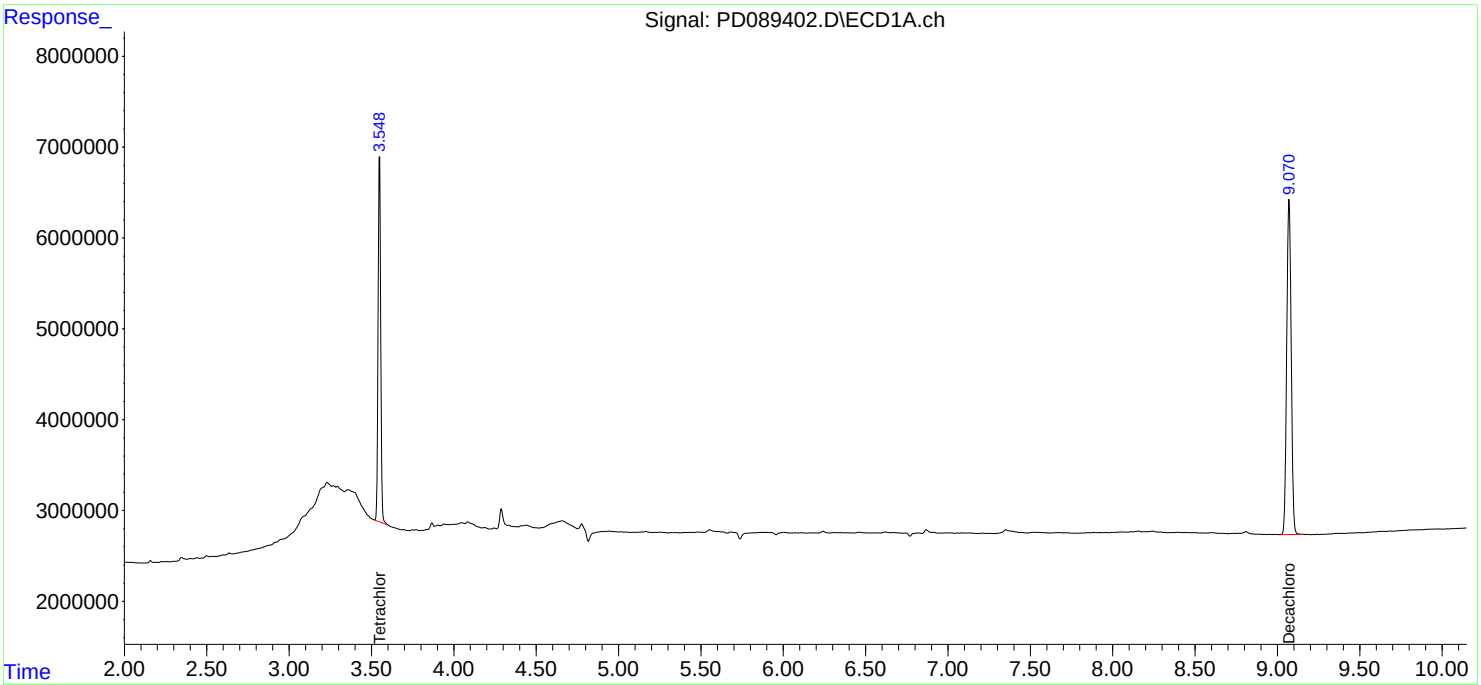
Sample Results: **PD089402.D**

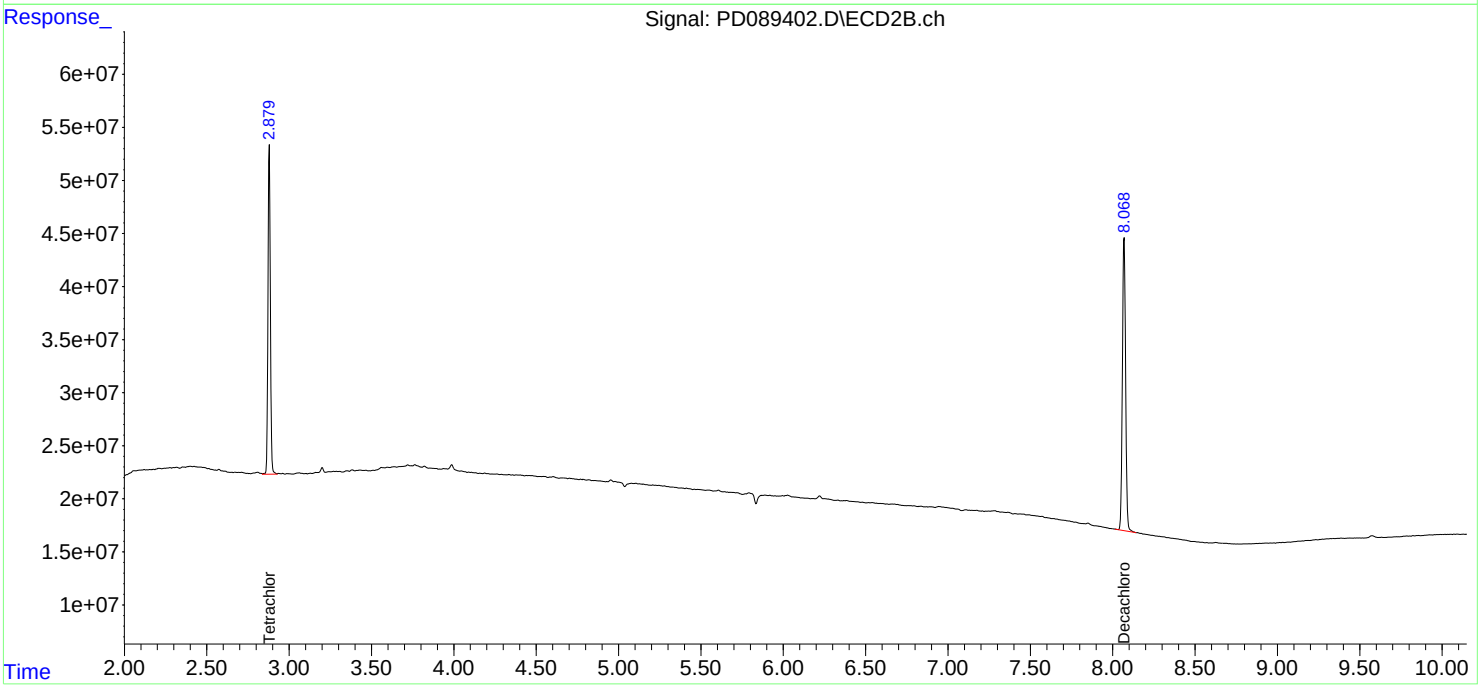
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 14:08
Operator : AR\AJ
Sample : PB168765BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

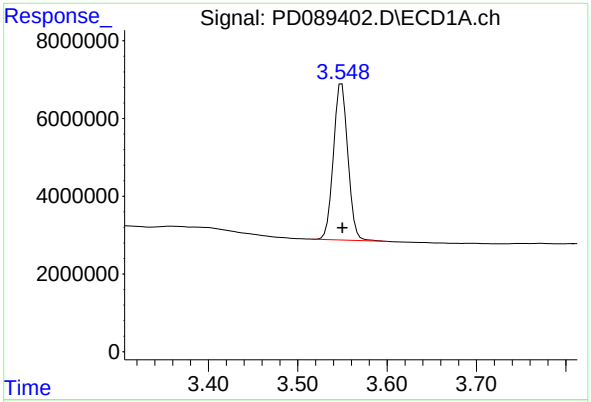
Instrument :
ECD_D
ClientSampleId :
PB168765BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:43:05 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



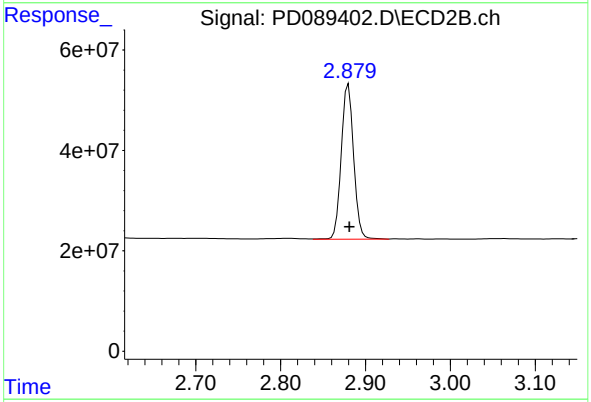




#1 Tetrachloro-m-xylene

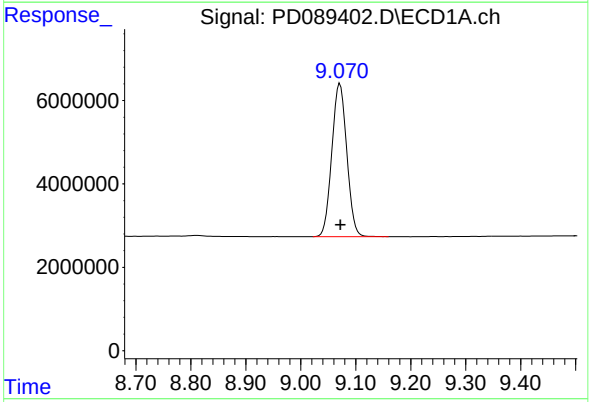
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45160851
Conc: 15.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BL



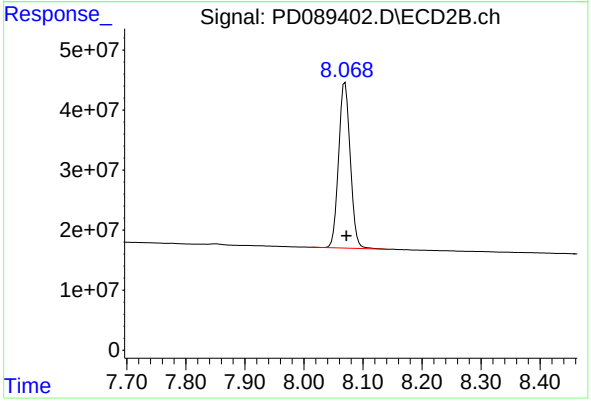
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 312659560
Conc: 18.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 69385477
Conc: 17.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 378492728
Conc: 19.14 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:	CDM Smith	Date Collected:	06/17/25
Project:	South River WM Replacement	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2529
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:	CDM Smith	Date Collected:	06/17/25
Project:	South River WM Replacement	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2529
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						

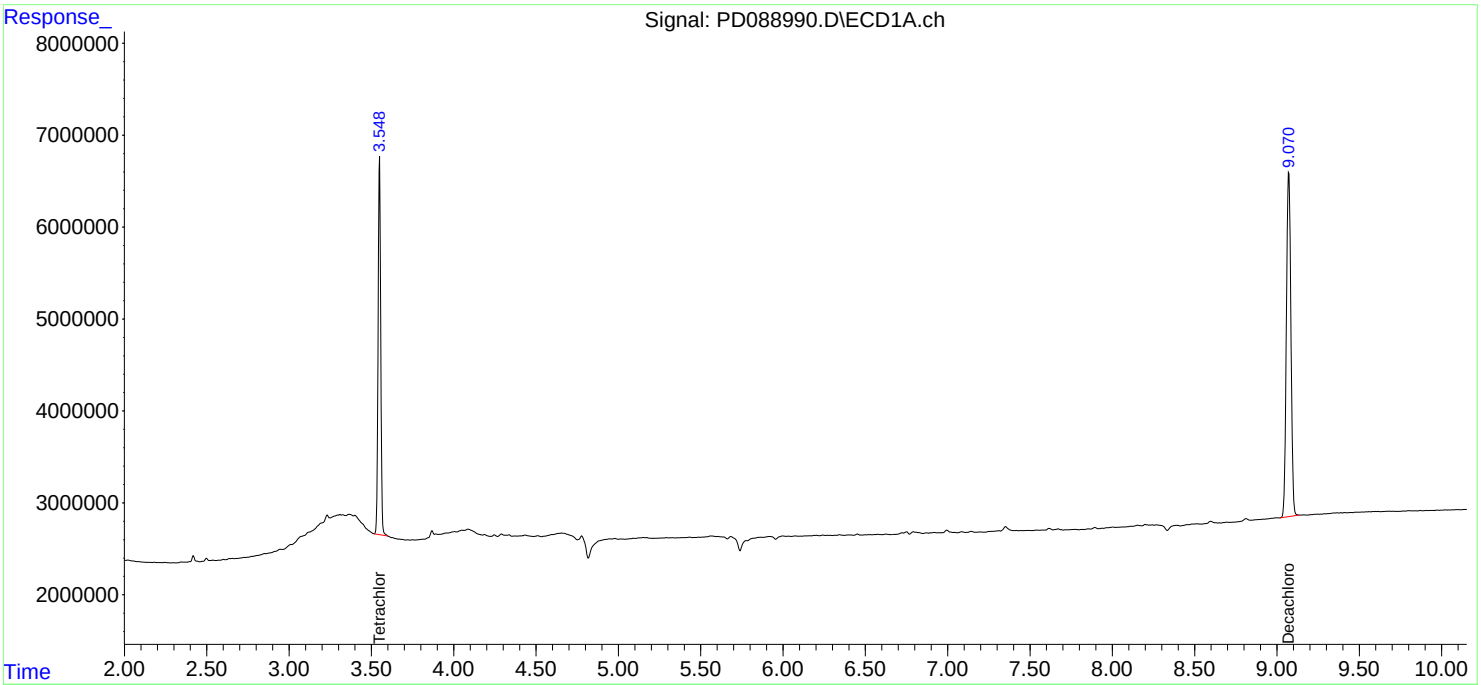
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

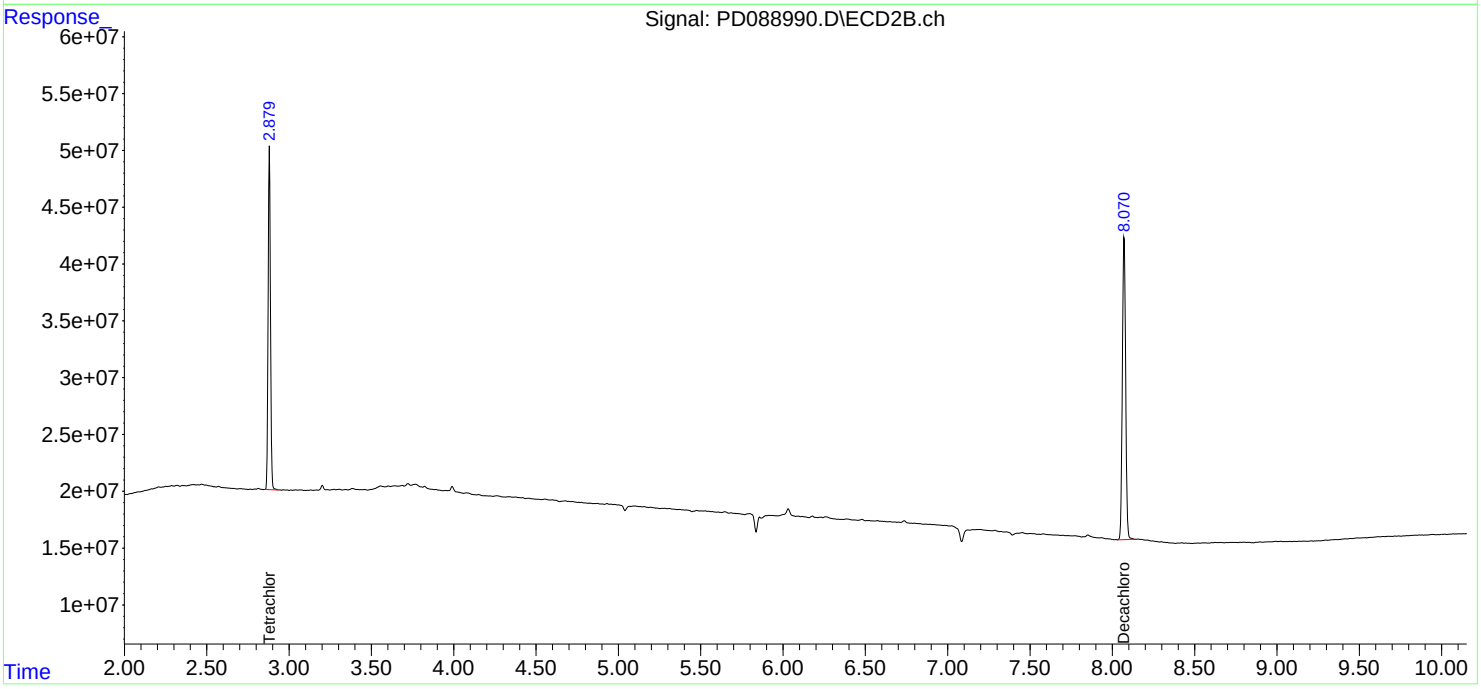
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

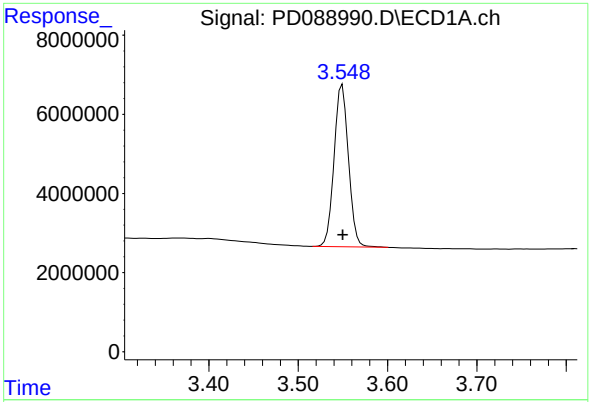
Instrument :
ECD_D
ClientSampleId :
I.BLK

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



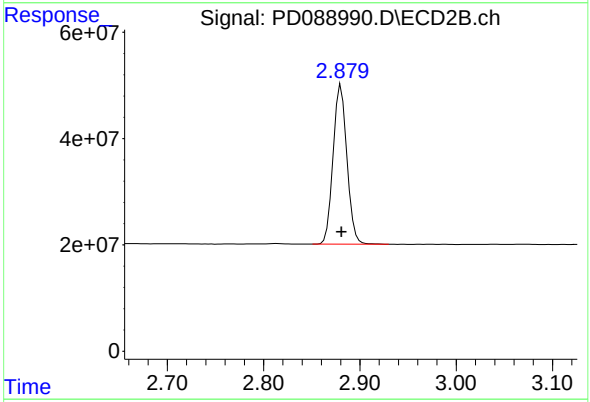




#1 Tetrachloro-m-xylene

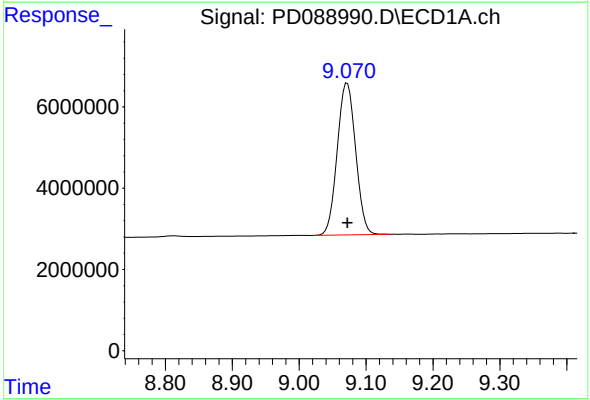
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45828945
Conc: 16.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



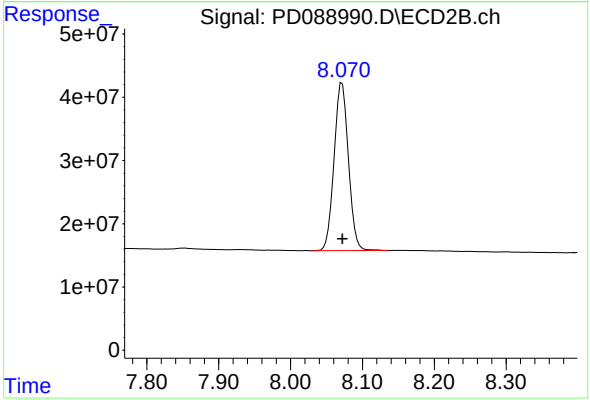
#1 Tetrachloro-m-xylene

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: **PD089399.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089399.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089399.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
PD089399.D	1		07/09/25	pd070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.9		57 - 171	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		61 - 148	115%	SPK: 20

Raw Data: **PD089399.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089399.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089399.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
PD089399.D	1		07/09/25	pd070925

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: **PD089399.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 11:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:42:17 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...	3.556	2.877	58013999	390.7E6	20.333	23.046m
28)	SA Decachlor...	9.081	8.073	86211943	473.5E6	21.950	23.952
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 11:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

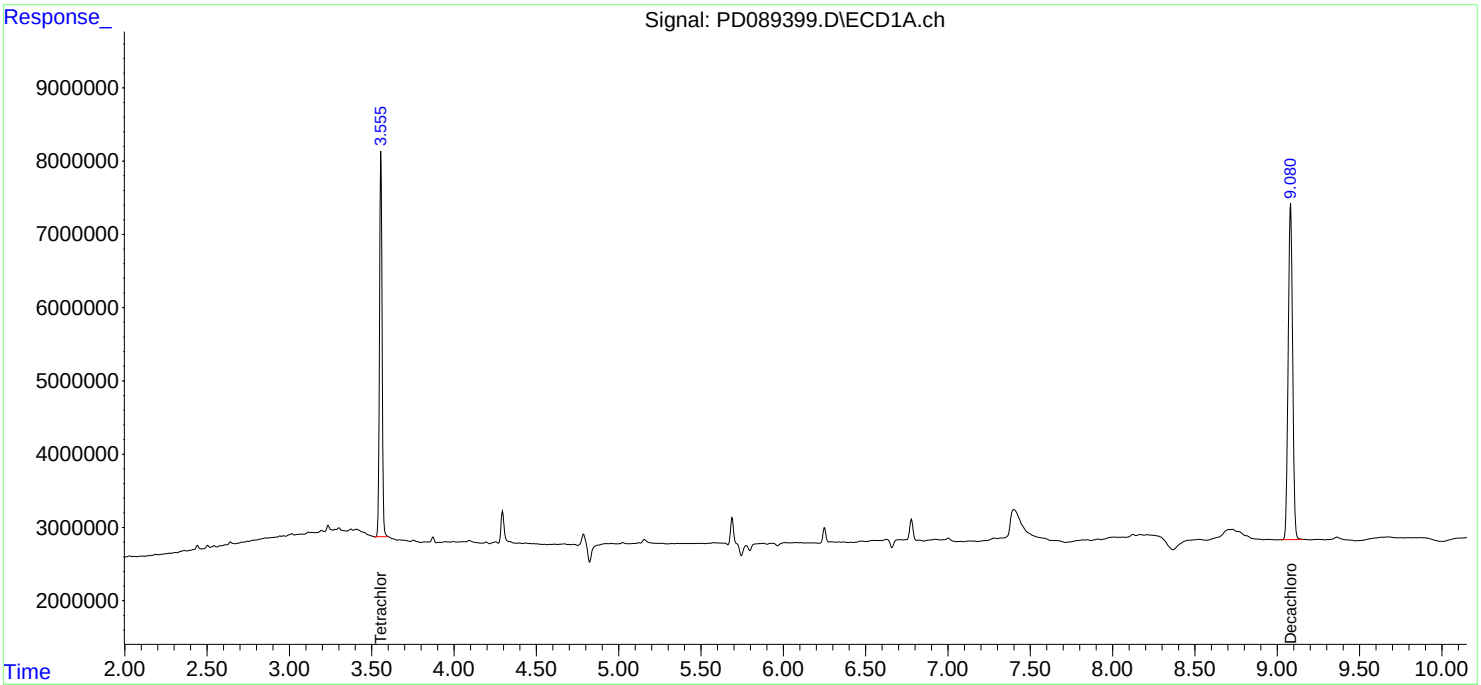
Instrument :
ECD_D
ClientSampleId :
I.BLK

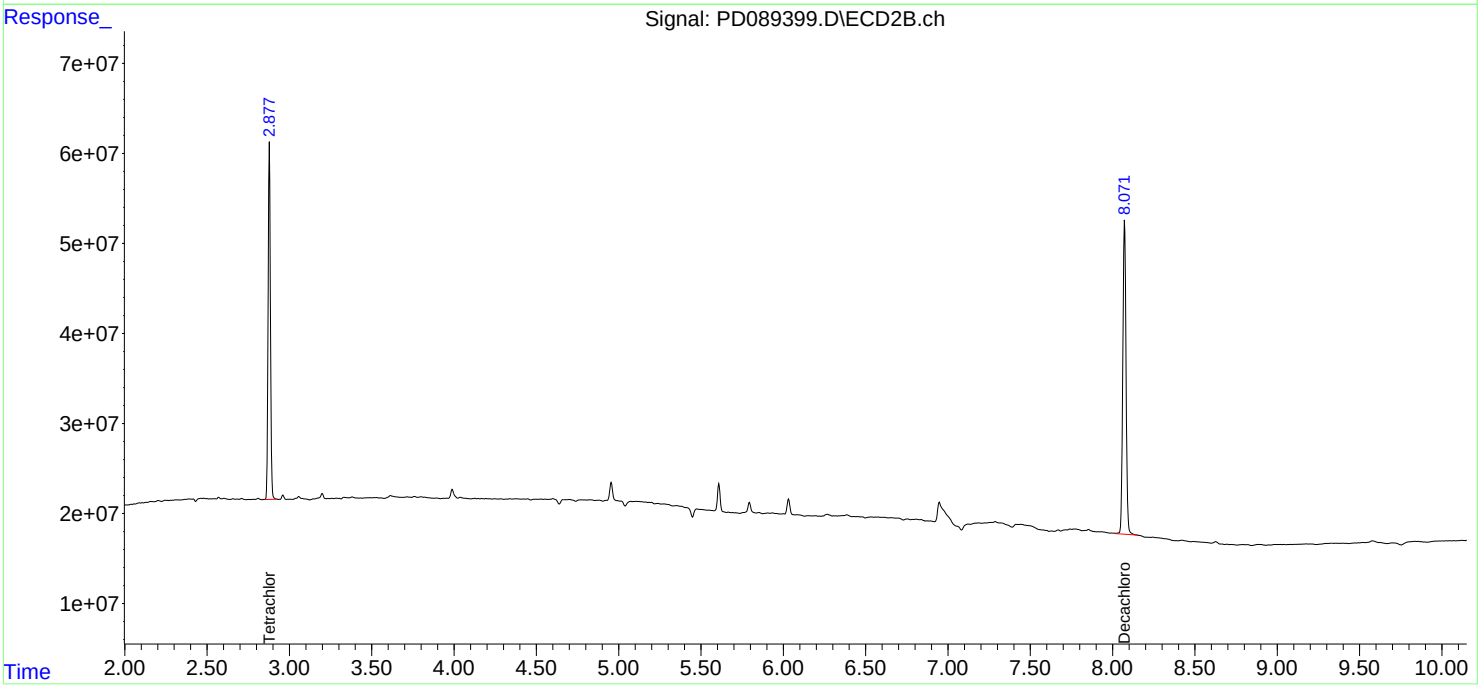
Manual Integrations APPROVED

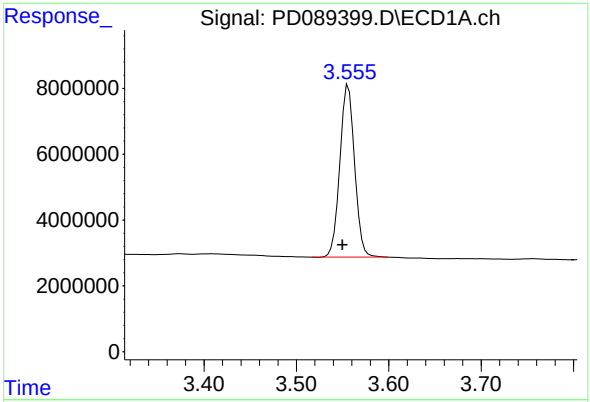
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:42:17 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







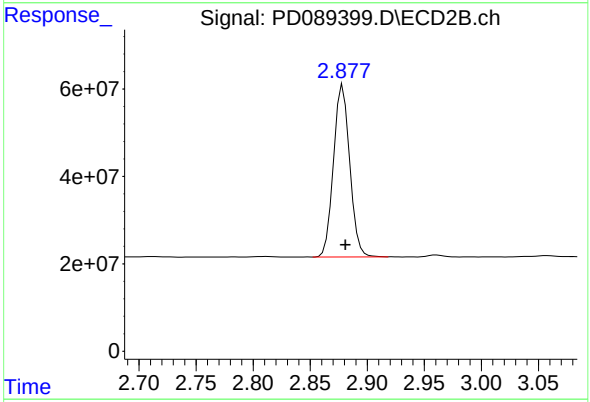
#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.006 min
Response: 58013999
Conc: 20.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK

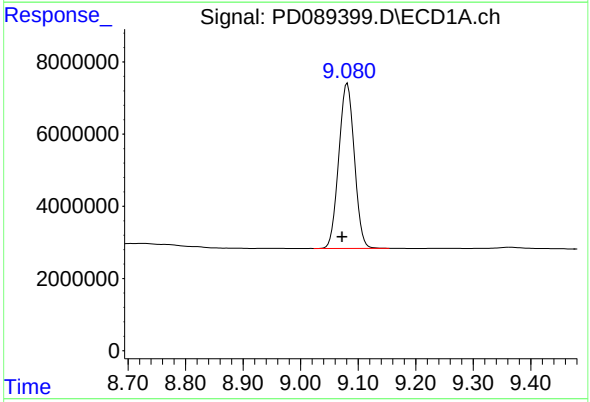
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



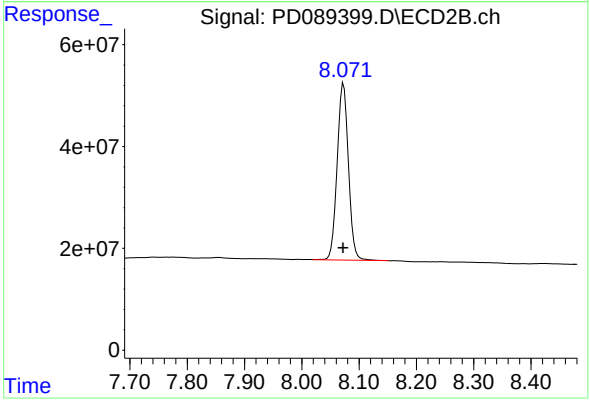
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.004 min
Response: 390709129
Conc: 23.05 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.081 min
Delta R.T.: 0.009 min
Response: 86211943
Conc: 21.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 473528289
Conc: 23.95 ng/ml

Raw Data: **PD089412.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089412.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089412.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
PD089412.D	1		07/09/25	pd070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		57 - 171	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		61 - 148	115%	SPK: 20

Raw Data: **PD089412.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089412.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089412.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
PD089412.D	1		07/09/25	pd070925

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\PD070925\
Data File : PD089412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 16:54
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: Jul 10 01:45:42 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...	3.549	2.880	58535257	391.1E6	20.516	23.068
28)	SA Decachlor...	9.072	8.071	77880305	424.9E6	19.829	21.490
	Target Compounds						

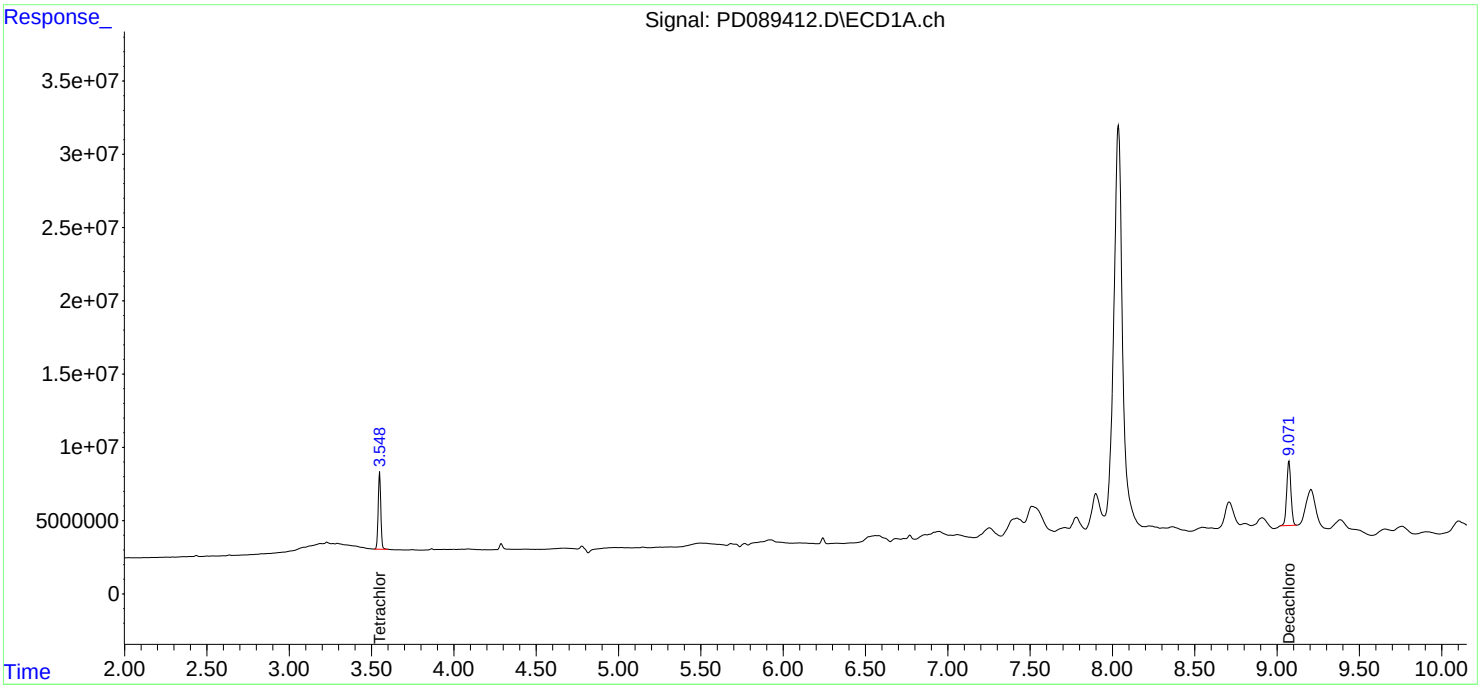
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

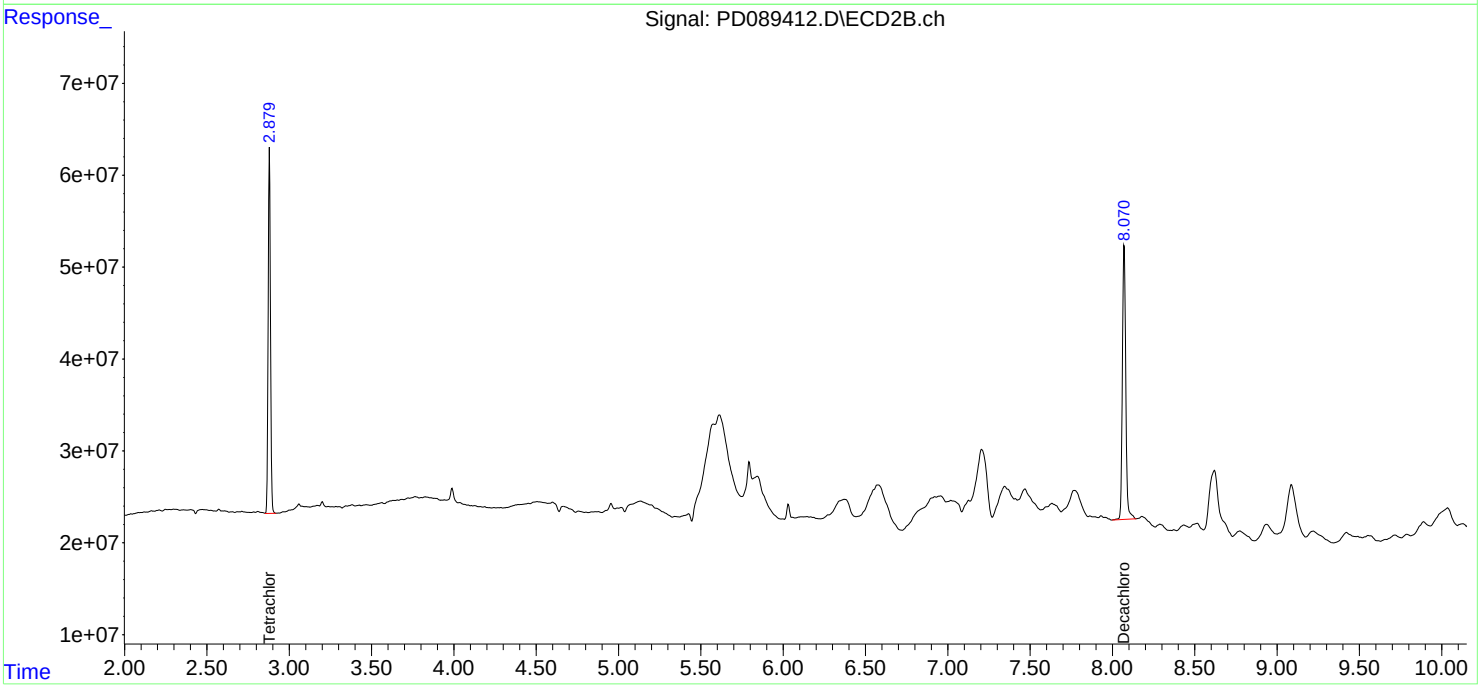
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 16:54
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

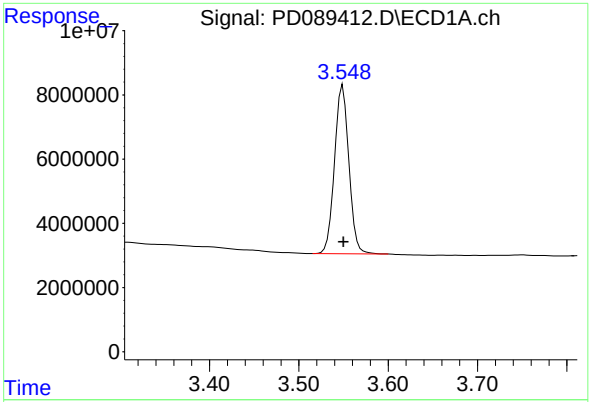
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:45:42 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



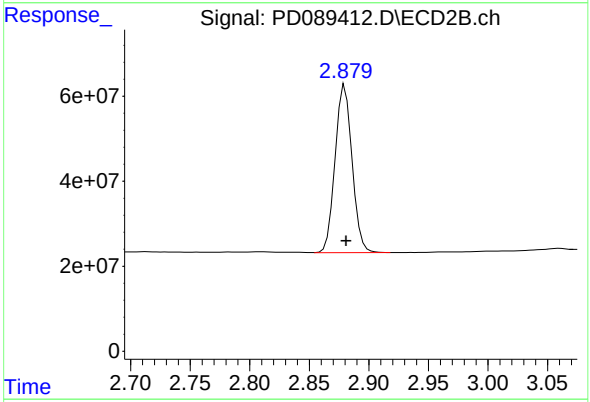




#1 Tetrachloro-m-xylene

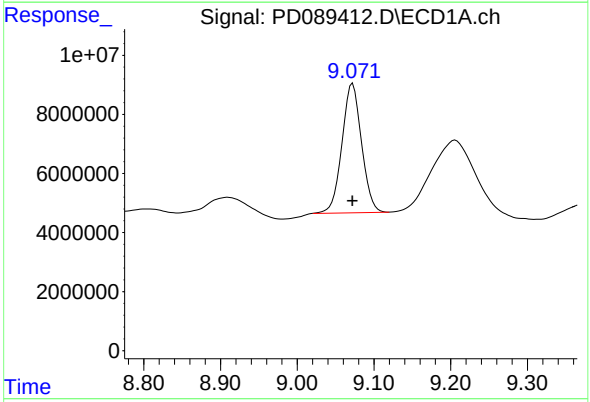
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 58535257
Conc: 20.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



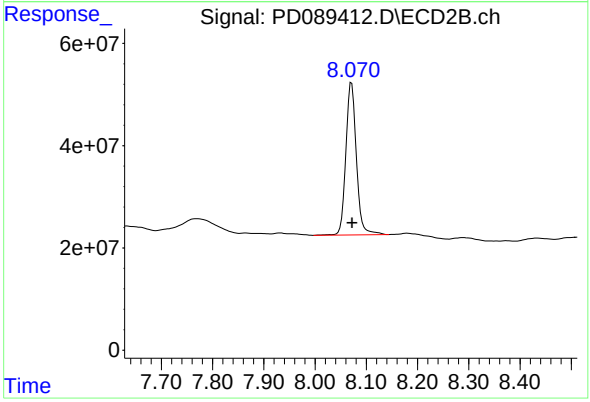
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 391077136
Conc: 23.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 77880305
Conc: 19.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 424865735
Conc: 21.49 ng/ml

Raw Data: **PD089424.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089424.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089424.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
PD089424.D	1		07/09/25	pd070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.3		61 - 148	121%	SPK: 20

Raw Data: **PD089424.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PD089424.D	SDG No.:	Q2529
Lab Sample ID:	I.BLK-PD089424.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
PD089424.D	1		07/09/25	pd070925

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: **PD089424.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:48:22 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	59643801	411.2E6	20.905	24.257
28)	SA Decachlor...	9.071	8.071	84817754	461.4E6	21.595	23.340
	Target Compounds						

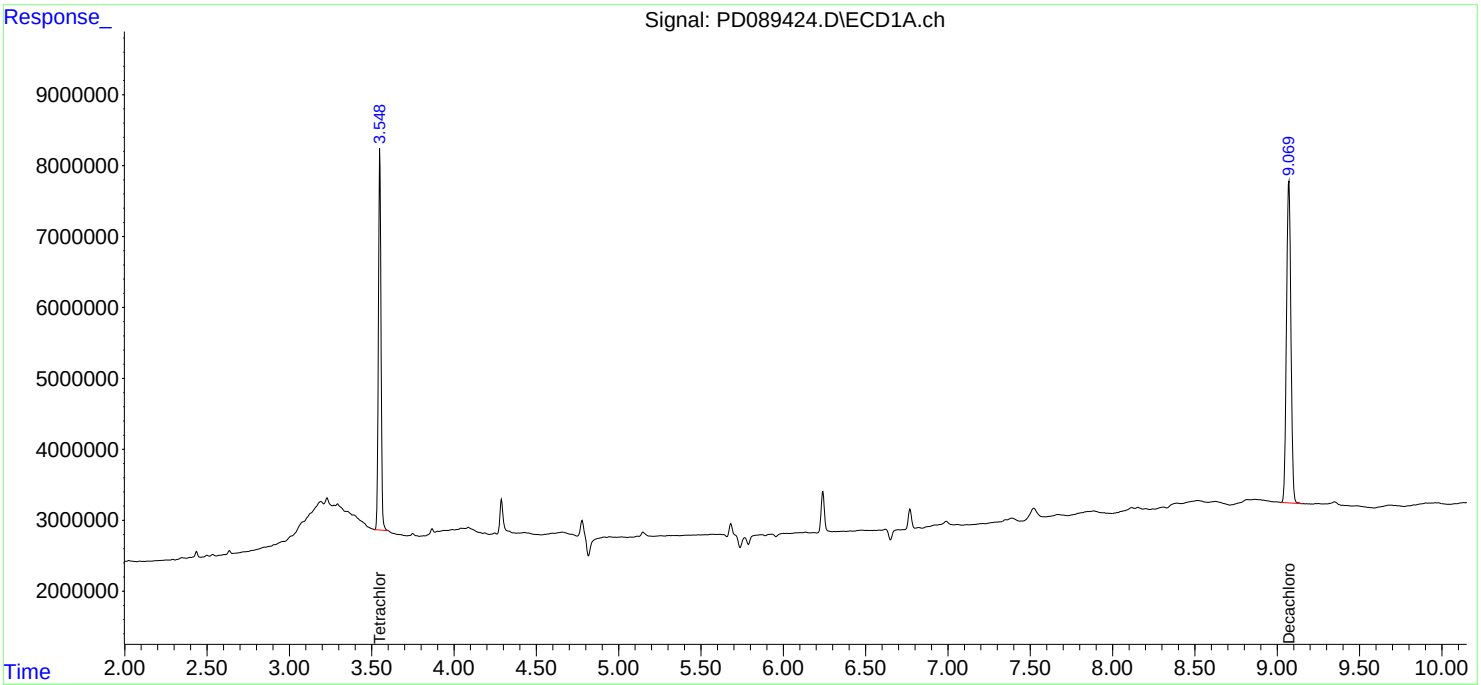
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

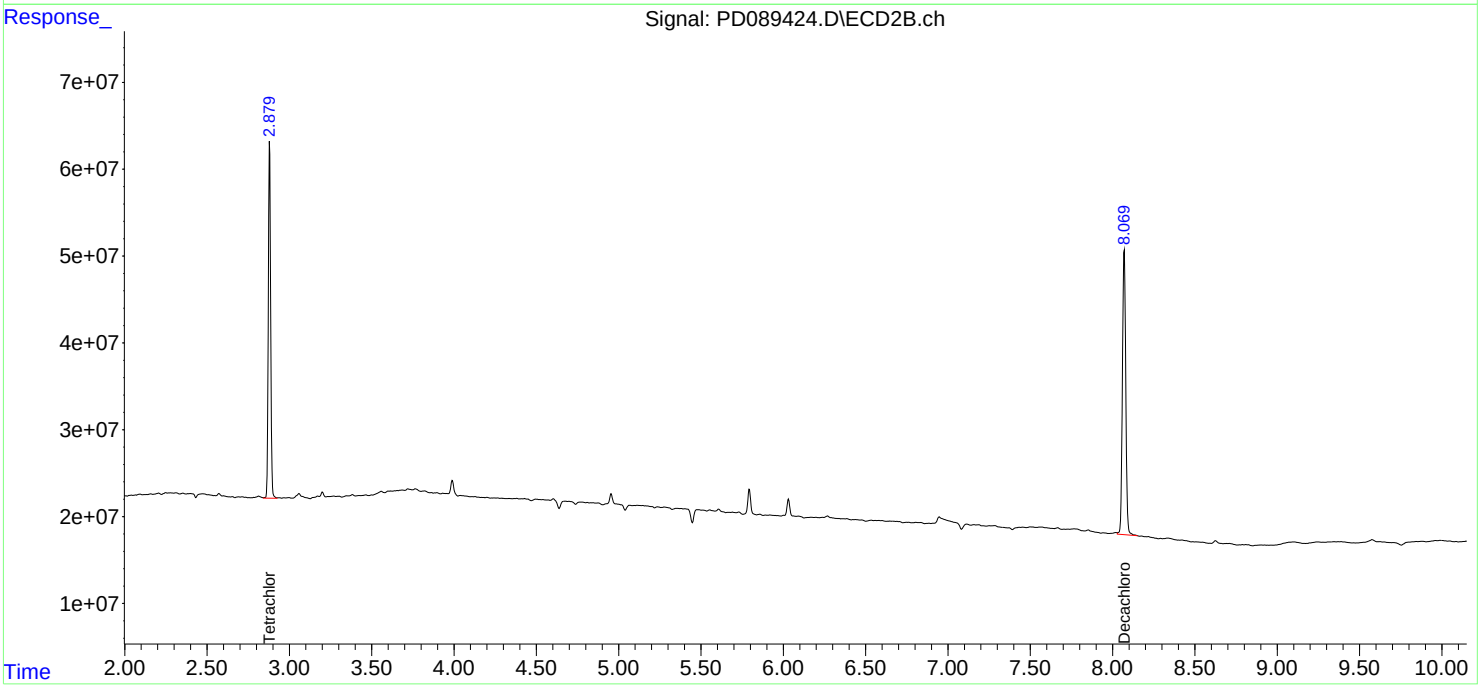
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 19:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

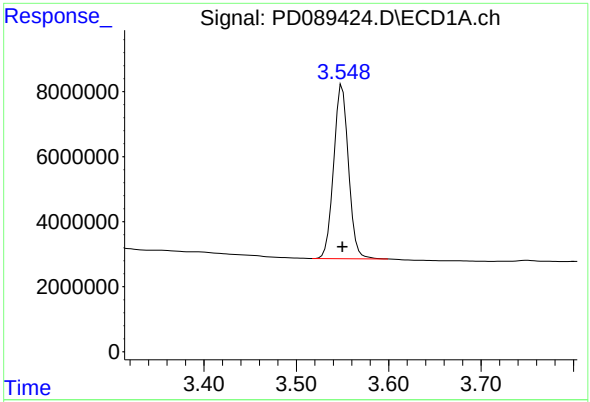
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:48:22 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



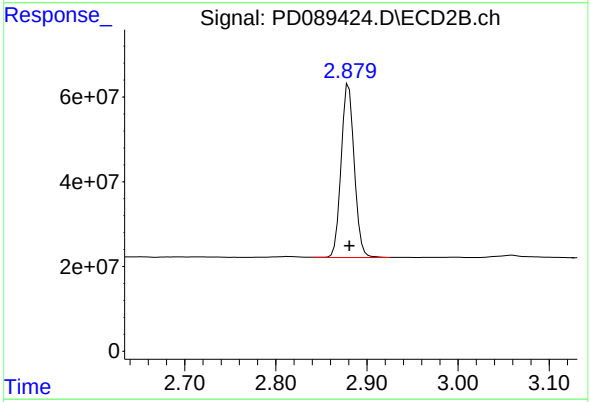




#1 Tetrachloro-m-xylene

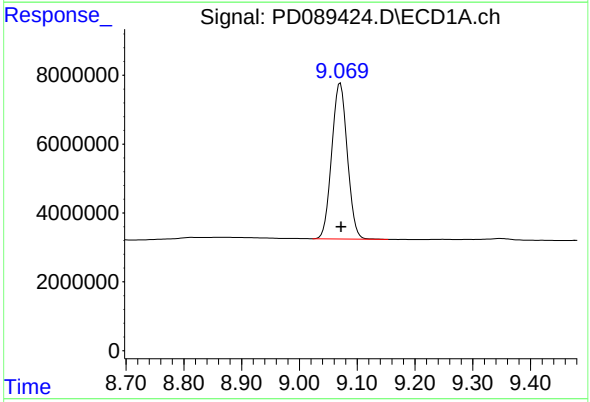
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 59643801
Conc: 20.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



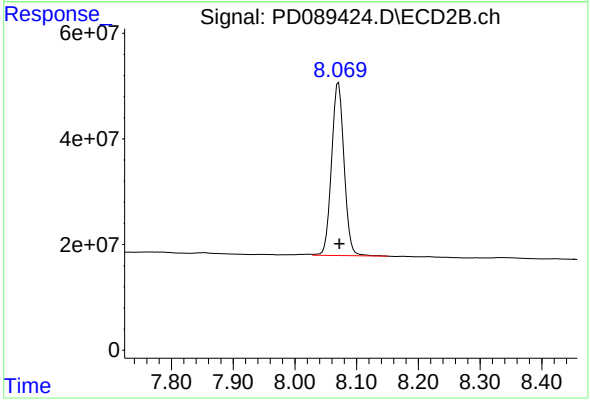
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 411238083
Conc: 24.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 84817754
Conc: 21.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 461439968
Conc: 23.34 ng/ml

Raw Data: **PD089403.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168765BS	SDG No.:	Q2529
Lab Sample ID:	PB168765BS	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
PD089403.D	1	07/09/25 08:20	07/09/25 14:21	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.9		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.6		0.18	1.70	ug/kg
319-86-8	delta-BHC	19.3		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	19.0		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.8		0.12	1.70	ug/kg
309-00-2	Aldrin	19.1		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	19.2		0.19	1.70	ug/kg
959-98-8	Endosulfan I	19.2		0.14	1.70	ug/kg
60-57-1	Dieldrin	19.1		0.14	1.70	ug/kg
72-55-9	4,4-DDE	19.1		0.14	1.70	ug/kg
72-20-8	Endrin	18.0		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	19.1		0.29	1.70	ug/kg
72-54-8	4,4-DDD	19.2		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	19.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	19.1		0.14	1.70	ug/kg
72-43-5	Methoxychlor	18.2		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	19.4		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	19.0		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.9		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		20 - 144	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		19 - 148	95%	SPK: 20

Raw Data: **PD089403.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168765BS	SDG No.:	Q2529
Lab Sample ID:	PB168765BS	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
PD089403.D	1	07/09/25 08:20	07/09/25 14:21	PB168765

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\PD070925\
Data File : PD089403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 14:21
Operator : AR\AJ
Sample : PB168765BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168765BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:43:20 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	46188103	320.5E6	16.189	18.908
28)	SA Decachlor...	9.071	8.070	72736562	399.4E6	18.519	20.202
	Target Compounds						
2)	A alpha-BHC	3.998	3.392	316.6E6	1521.5E6	54.312	56.778
3)	MA gamma-BHC...	4.329	3.726	303.3E6	1409.5E6	54.330	56.933m
4)	MA Heptachlor	4.928	4.081	304.7E6	1411.1E6	55.889	56.358
5)	MB Aldrin	5.270	4.367	292.6E6	1389.5E6	55.073	57.378
6)	B beta-BHC	4.515	4.024	113.9E6	599.9E6	51.615	55.820
7)	B delta-BHC	4.763	4.260	296.5E6	1418.4E6	57.769	57.023
8)	B Heptachlo...	5.689	4.870	261.8E6	1261.2E6	54.262	57.592
9)	A Endosulfan I	6.073	5.245	248.4E6	1198.5E6	55.103	57.504
10)	B gamma-Chl...	5.945	5.124	265.1E6	1357.1E6	55.369	56.730
11)	B alpha-Chl...	6.025	5.188	264.8E6	1297.1E6	54.728	56.651
12)	B 4,4'-DDE	6.195	5.373	243.3E6	1312.1E6	55.793	57.258
13)	MA Dieldrin	6.345	5.511	267.4E6	1331.1E6	55.743	57.352
14)	MA Endrin	6.573	5.787	221.9E6	1173.5E6	53.798	54.042
15)	B Endosulfa...	6.784	6.078	225.7E6	1156.3E6	55.913	57.250
16)	A 4,4'-DDD	6.704	5.927	191.7E6	1100.3E6	55.858	57.519
17)	MA 4,4'-DDT	7.020	6.182	213.4E6	1164.7E6	56.332	57.434
18)	B Endrin al...	6.913	6.257	169.7E6	873.7E6	55.373	57.066
19)	B Endosulfa...	7.148	6.480	212.3E6	1126.5E6	55.335	57.412
20)	A Methoxychlor	7.491	6.752	109.1E6	588.5E6	54.005	54.656
21)	B Endrin ke...	7.629	6.989	230.8E6	1257.9E6	56.668	58.230
22)	Mirex	8.112	7.184	145.5E6	832.2E6	47.856	49.899

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

Sample Results: **PD089403.D**

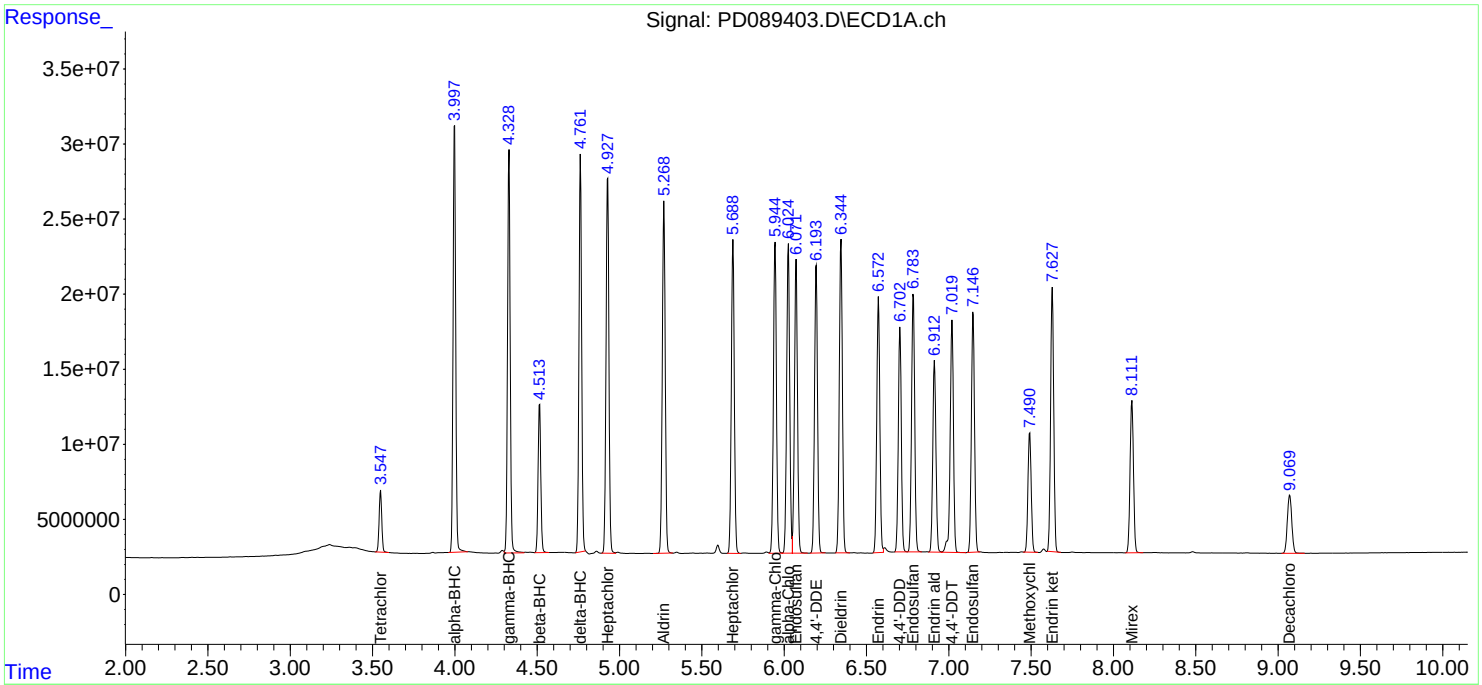
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 14:21
Operator : AR\AJ
Sample : PB168765BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

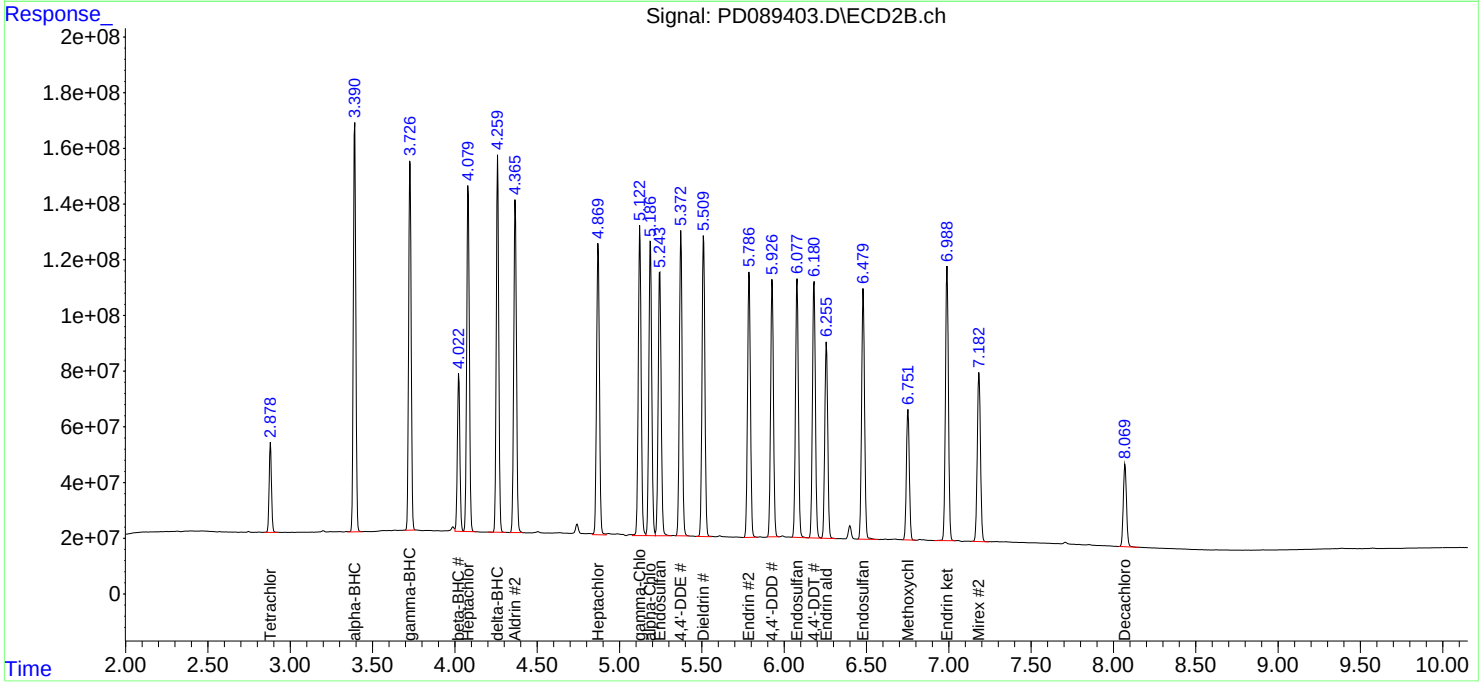
Instrument :
ECD_D
ClientSampleId :
PB168765BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:43:20 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: **PD089405.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	TP-14MS	SDG No.:	Q2529
Lab Sample ID:	Q2517-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.8 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
PD089405.D	1	07/09/25 08:20	07/09/25 15:18	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.7		0.15	1.90	ug/kg
319-85-7	beta-BHC	18.3		0.20	1.90	ug/kg
319-86-8	delta-BHC	19.1		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	18.7		0.16	1.90	ug/kg
76-44-8	Heptachlor	18.5		0.14	1.90	ug/kg
309-00-2	Aldrin	18.7		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	18.6		0.22	1.90	ug/kg
959-98-8	Endosulfan I	18.6		0.16	1.90	ug/kg
60-57-1	Dieldrin	18.6		0.16	1.90	ug/kg
72-55-9	4,4-DDE	18.8		0.16	1.90	ug/kg
72-20-8	Endrin	18.2		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	18.7		0.33	1.90	ug/kg
72-54-8	4,4-DDD	18.4		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	18.3		0.15	1.90	ug/kg
50-29-3	4,4-DDT	18.7		0.16	1.90	ug/kg
72-43-5	Methoxychlor	18.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.7		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.4		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.1		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	18.2		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		20 - 144	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		19 - 148	104%	SPK: 20

Raw Data: **PD089405.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	TP-14MS	SDG No.:	Q2529
Lab Sample ID:	Q2517-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.8 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
PD089405.D	1	07/09/25 08:20	07/09/25 15:18	PB168765

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\PD070925\
Data File : PD089405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 15:18
Operator : AR\AJ
Sample : Q2517-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-14MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:43:52 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...	3.549	2.878	52194785	353.7E6	18.294	20.861m
28)	SA Decachlor...	9.072	8.071	81406282	434.8E6	20.727	21.991
	Target Compounds						
2)	A alpha-BHC	3.999	3.390	273.4E6	1324.3E6	46.911	49.419m
3)	MA gamma-BHC...	4.330	3.726	263.3E6	1222.6E6	47.175	49.386m
4)	MA Heptachlor	4.929	4.081	262.3E6	1224.9E6	48.119	48.921
5)	MB Aldrin	5.270	4.367	256.1E6	1195.6E6	48.199	49.370
6)	B beta-BHC	4.516	4.024	103.2E6	518.7E6	46.765	48.268
7)	B delta-BHC	4.764	4.261	258.2E6	1234.7E6	50.295	49.637
8)	B Heptachlo...	5.690	4.869	227.7E6	1074.2E6	47.200	49.053m
9)	A Endosulfan I	6.074	5.243	214.2E6	1022.5E6	47.522	49.056m
10)	B gamma-Chl...	5.945	5.122	219.0E6	1147.5E6	45.731	47.969m
11)	B alpha-Chl...	6.027	5.189	228.4E6	1156.3E6	47.202	50.499
12)	B 4,4'-DDE	6.196	5.373	207.9E6	1138.3E6	47.663	49.671
13)	MA Dieldrin	6.347	5.511	229.2E6	1139.6E6	47.781	49.104
14)	MA Endrin	6.574	5.786	197.7E6	1039.6E6	47.929	47.875m
15)	B Endosulfa...	6.787	6.079	155.8E6	995.3E6	38.609	49.278 #
16)	A 4,4'-DDD	6.704	5.928	166.4E6	880.4E6	48.487m	46.024
17)	MA 4,4'-DDT	7.021	6.182	181.5E6	1002.8E6	47.905	49.447
18)	B Endrin al...	6.913	6.257	145.8E6	742.1E6	47.587m	48.469
19)	B Endosulfa...	7.150	6.480	179.1E6	948.7E6	46.681	48.349
20)	A Methoxychlor	7.493	6.752	94637496	513.2E6	46.836	47.656
21)	B Endrin ke...	7.630	6.990	195.4E6	1062.7E6	47.971	49.196
22)	Mirex	8.113	7.183	144.9E6	826.1E6	47.647	49.529

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

Sample Results: **PD089405.D**

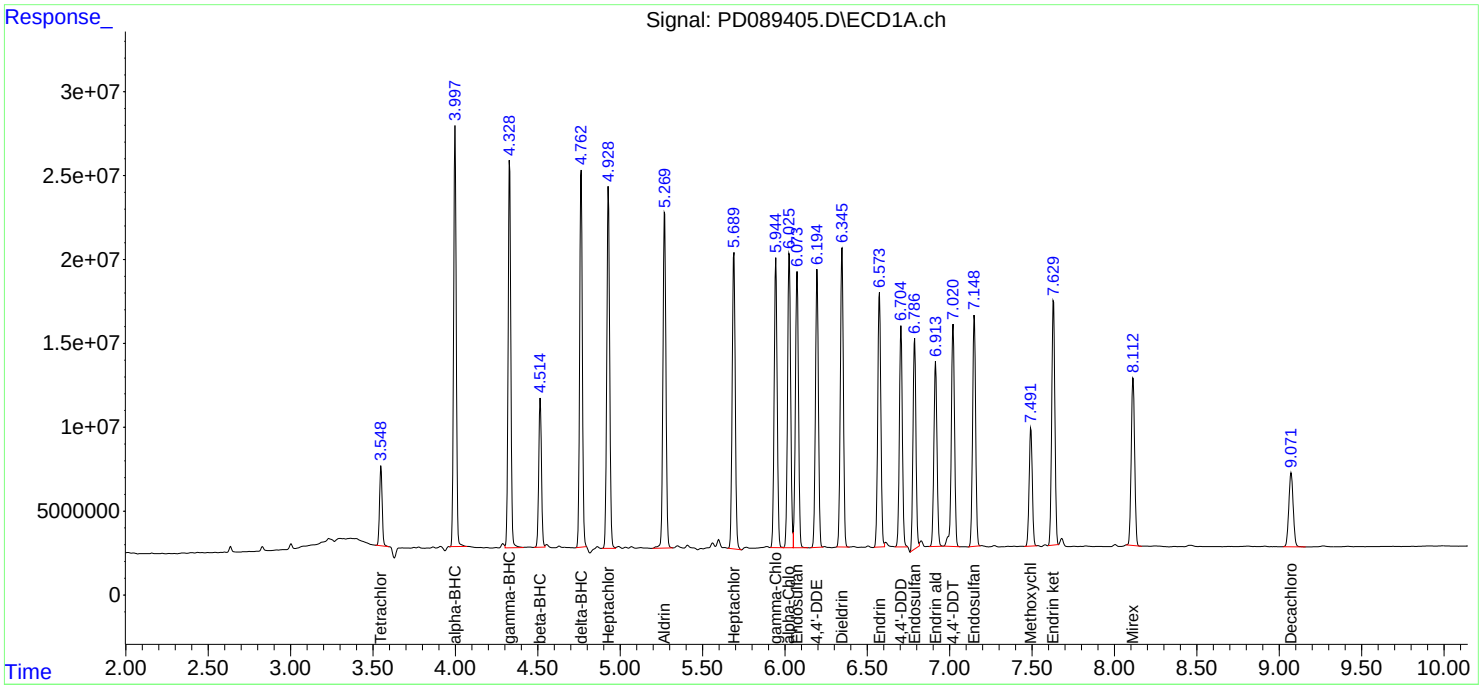
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 15:18
Operator : AR\AJ
Sample : Q2517-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

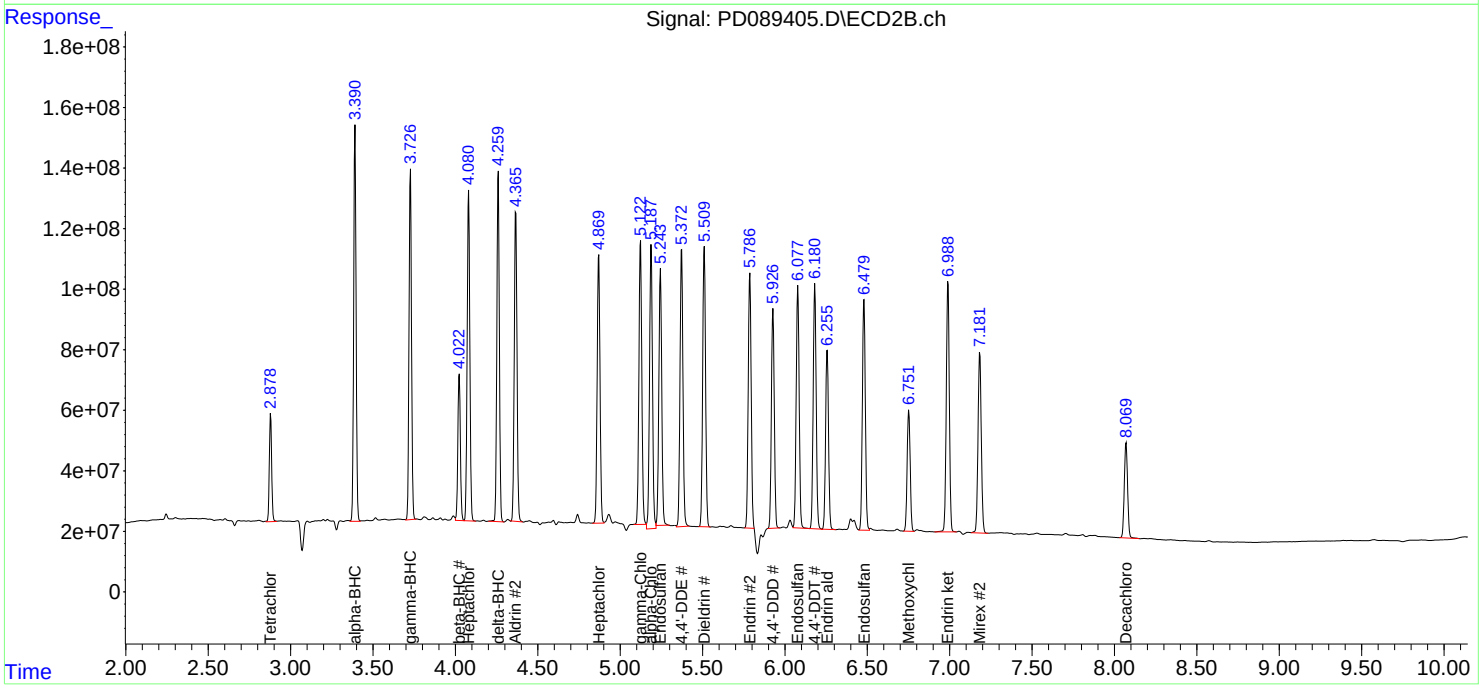
Instrument :
ECD_D
ClientSampleId :
TP-14MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:43:52 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: **PD089406.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	TP-14MSD	SDG No.:	Q2529
Lab Sample ID:	Q2517-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.8 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089406.D	1	07/09/25 08:20	07/09/25 15:31	PB168765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.0		0.15	1.90	ug/kg
319-85-7	beta-BHC	18.7		0.20	1.90	ug/kg
319-86-8	delta-BHC	19.4		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	19.1		0.16	1.90	ug/kg
76-44-8	Heptachlor	18.9		0.14	1.90	ug/kg
309-00-2	Aldrin	19.1		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	18.8		0.22	1.90	ug/kg
959-98-8	Endosulfan I	18.9		0.16	1.90	ug/kg
60-57-1	Dieldrin	18.9		0.16	1.90	ug/kg
72-55-9	4,4-DDE	19.1		0.16	1.90	ug/kg
72-20-8	Endrin	18.5		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	18.8		0.33	1.90	ug/kg
72-54-8	4,4-DDD	18.7		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	18.5		0.15	1.90	ug/kg
50-29-3	4,4-DDT	18.9		0.16	1.90	ug/kg
72-43-5	Methoxychlor	18.2		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.8		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.5		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.5		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	18.5		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		20 - 144	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		19 - 148	105%	SPK: 20

Raw Data: **PD089406.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	TP-14MSD	SDG No.:	Q2529
Lab Sample ID:	Q2517-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.8 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089406.D	1	07/09/25 08:20	07/09/25 15:31	PB168765

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\PD070925\
Data File : PD089406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 15:31
Operator : AR\AJ
Sample : Q2517-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:44:10 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...	3.549	2.878	53119707	357.3E6	18.618	21.073m
28)	SA Decachlor...	9.071	8.070	81639695	435.8E6	20.786	22.044
	Target Compounds						
2)	A alpha-BHC	3.998	3.390	278.9E6	1345.6E6	47.850	50.214m
3)	MA gamma-BHC...	4.329	3.727	269.1E6	1247.4E6	48.209	50.387m
4)	MA Heptachlor	4.928	4.082	266.8E6	1250.9E6	48.934	49.958
5)	MB Aldrin	5.270	4.367	257.1E6	1219.1E6	48.385	50.339
6)	B beta-BHC	4.515	4.024	104.5E6	530.1E6	47.333	49.329
7)	B delta-BHC	4.763	4.261	262.6E6	1254.5E6	51.163	50.435
8)	B Heptachlo...	5.690	4.869	231.0E6	1088.5E6	47.884	49.708m
9)	A Endosulfan I	6.073	5.244	217.0E6	1041.1E6	48.153	49.949m
10)	B gamma-Chl...	5.944	5.122	220.9E6	1165.9E6	46.143	48.736m
11)	B alpha-Chl...	6.026	5.188	231.2E6	1175.5E6	47.786	51.338
12)	B 4,4'-DDE	6.195	5.373	210.2E6	1153.4E6	48.209	50.333
13)	MA Dieldrin	6.346	5.511	231.7E6	1155.9E6	48.290	49.806
14)	MA Endrin	6.573	5.786	200.3E6	1057.0E6	48.558	48.681m
15)	B Endosulfa...	6.786	6.078	155.6E6	1003.9E6	38.552	49.704 #
16)	A 4,4'-DDD	6.703	5.928	169.2E6	891.0E6	49.295m	46.577
17)	MA 4,4'-DDT	7.020	6.181	183.4E6	1012.5E6	48.421	49.927
18)	B Endrin al...	6.912	6.257	147.7E6	749.4E6	48.194m	48.944
19)	B Endosulfa...	7.148	6.480	180.6E6	956.3E6	47.057	48.739
20)	A Methoxychlor	7.492	6.752	95723169	516.8E6	47.373	47.992
21)	B Endrin ke...	7.629	6.990	196.9E6	1071.3E6	48.348	49.591
22)	Mirex	8.112	7.183	146.0E6	834.0E6	48.014	50.006

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 15:31
Operator : AR\AJ
Sample : Q2517-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

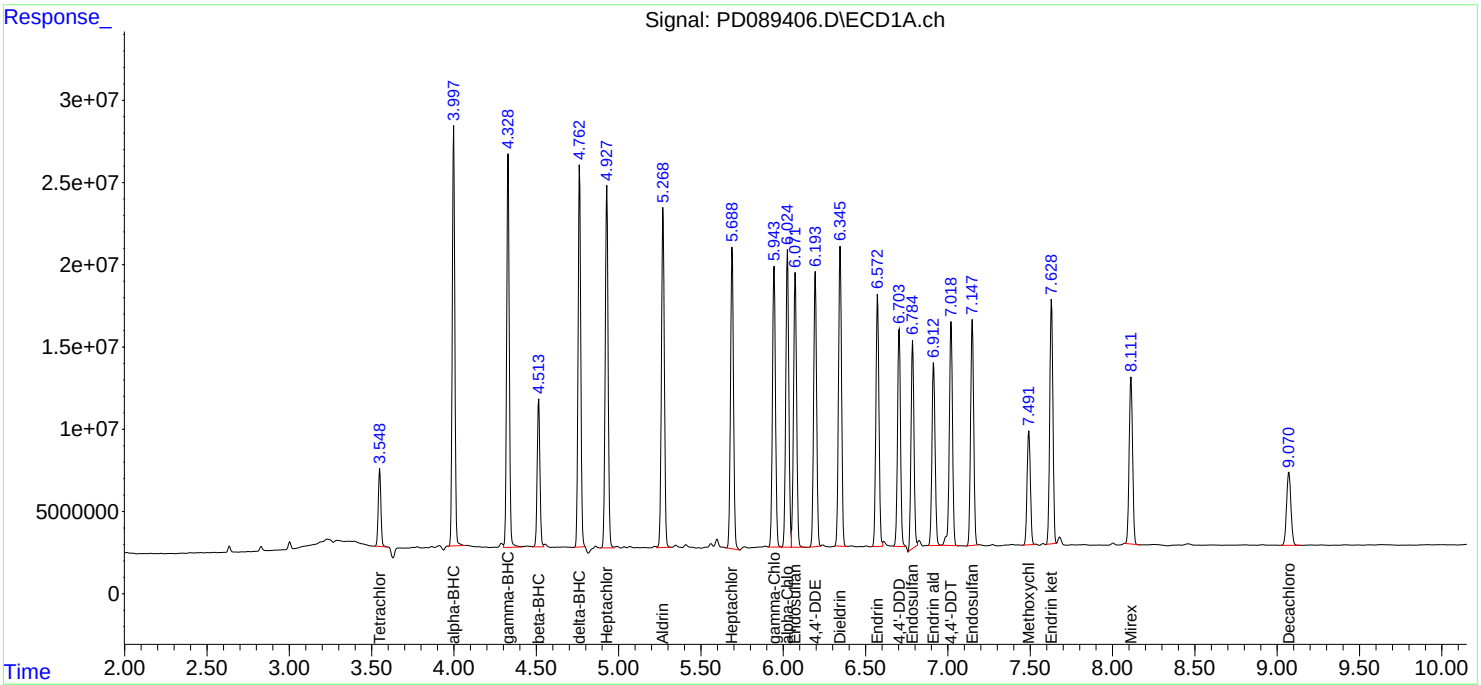
Instrument :
ECD_D
ClientSampleId :
TP-14MSD

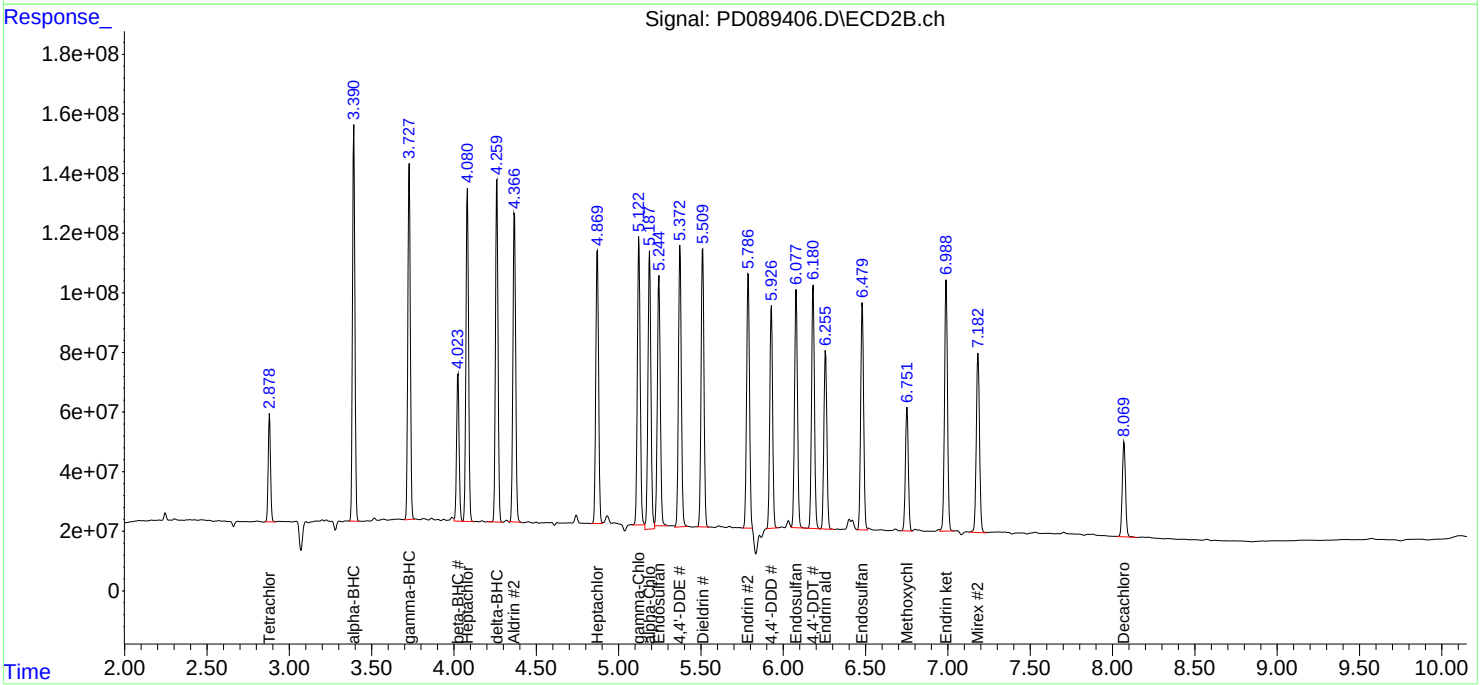
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:44:10 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





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

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Manual Integration Report

Sequence:	pd070925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PD089399.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:06:11 AM			Peak Integrated by Software
PEM	PD089400.D	4,4"-DDE	Abdul	7/10/2025 8:06:14 AM			Peak Integrated by Software
PEM	PD089400.D	4,4"-DDE #2	Abdul	7/10/2025 8:06:14 AM			Peak Integrated by Software
PEM	PD089400.D	Endrin ketone	Abdul	7/10/2025 8:06:14 AM			Peak Integrated by Software
PSTDCCC050	PD089401.D	gamma-BHC (Lindane) #2	Abdul	7/10/2025 8:06:17 AM			Peak Integrated by Software
PB168765BS	PD089403.D	gamma-BHC (Lindane) #2	Abdul	7/10/2025 8:06:21 AM			Peak Integrated by Software
Q2517-01MS	PD089405.D	4,4"-DDD	Abdul	7/10/2025 8:09:20 AM			Peak Integrated by Software
Q2517-01MS	PD089405.D	alpha-BHC #2	Abdul	7/10/2025 8:09:20 AM			Peak Integrated by Software
Q2517-01MS	PD089405.D	Endosulfan I #2	Abdul	7/10/2025 8:09:20 AM			Peak Integrated by Software
Q2517-01MS	PD089405.D	Endrin #2	Abdul	7/10/2025 8:09:20 AM			Peak Integrated by Software
Q2517-01MS	PD089405.D	Endrin aldehyde	Abdul	7/10/2025 8:09:20 AM			Peak Integrated by Software
Q2517-01MS	PD089405.D	gamma-BHC (Lindane) #2	Abdul	7/10/2025 8:09:20 AM			Peak Integrated by Software
Q2517-01MS	PD089405.D	gamma-Chlordane #2	Abdul	7/10/2025 8:09:20 AM			Peak Integrated by Software

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Manual Integration Report

Sequence:	pd070925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2517-01MS	PD089405.D	Heptachlor epoxide #2	Abdul	7/10/2025 8:09:20 AM			Peak Integrated by Software
Q2517-01MS	PD089405.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:09:20 AM			Peak Integrated by Software
Q2517-01MSD	PD089406.D	4,4"-DDD	Abdul	7/10/2025 8:09:24 AM			Peak Integrated by Software
Q2517-01MSD	PD089406.D	alpha-BHC #2	Abdul	7/10/2025 8:09:24 AM			Peak Integrated by Software
Q2517-01MSD	PD089406.D	Endosulfan I #2	Abdul	7/10/2025 8:09:24 AM			Peak Integrated by Software
Q2517-01MSD	PD089406.D	Endrin #2	Abdul	7/10/2025 8:09:24 AM			Peak Integrated by Software
Q2517-01MSD	PD089406.D	Endrin aldehyde	Abdul	7/10/2025 8:09:24 AM			Peak Integrated by Software
Q2517-01MSD	PD089406.D	gamma-BHC (Lindane) #2	Abdul	7/10/2025 8:09:24 AM			Peak Integrated by Software
Q2517-01MSD	PD089406.D	gamma-Chlordane #2	Abdul	7/10/2025 8:09:24 AM			Peak Integrated by Software
Q2517-01MSD	PD089406.D	Heptachlor epoxide #2	Abdul	7/10/2025 8:09:24 AM			Peak Integrated by Software
Q2517-01MSD	PD089406.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:09:24 AM			Peak Integrated by Software
PSTDCCC050	PD089413.D	Dieldrin #2	Abdul	7/10/2025 8:09:45 AM			Peak Integrated by Software
PSTDCCC050	PD089413.D	gamma-BHC (Lindane) #2	Abdul	7/10/2025 8:09:45 AM			Peak Integrated by Software

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Manual Integration Report

Sequence:	pd070925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD089413.D	Heptachlor epoxide #2	Abdul	7/10/2025 8:09:45 AM			Peak Integrated by Software
Q2529-01	PD089414.D	4,4"-DDE	Abdul	7/10/2025 8:09:49 AM			Peak Integrated by Software
Q2529-01	PD089414.D	4,4"-DDE #2	Abdul	7/10/2025 8:09:49 AM			Peak Integrated by Software
Q2529-01	PD089414.D	4,4"-DDT	Abdul	7/10/2025 8:09:49 AM			Peak Integrated by Software
Q2529-01	PD089414.D	Decachlorobiphenyl	Abdul	7/10/2025 8:09:49 AM			Peak Integrated by Software
Q2529-01	PD089414.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:09:49 AM			Peak Integrated by Software
Q2529-02	PD089415.D	Decachlorobiphenyl	Abdul	7/10/2025 8:09:53 AM			Peak Integrated by Software
Q2529-02	PD089415.D	Dieldrin	Abdul	7/10/2025 8:09:53 AM			Peak Integrated by Software
Q2529-02	PD089415.D	Dieldrin #2	Abdul	7/10/2025 8:09:53 AM			Peak Integrated by Software
Q2529-02	PD089415.D	Endrin	Abdul	7/10/2025 8:09:53 AM			Peak Integrated by Software
Q2529-02	PD089415.D	Endrin #2	Abdul	7/10/2025 8:09:53 AM			Peak Integrated by Software
Q2529-02	PD089415.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:09:53 AM			Peak Integrated by Software
Q2529-03	PD089416.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:09:55 AM			Peak Integrated by Software

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Manual Integration Report

Sequence:	pd070925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2529-04	PD089417.D	Decachlorobiphenyl	Abdul	7/10/2025 8:09:59 AM			Peak Integrated by Software
Q2529-04	PD089417.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:09:59 AM			Peak Integrated by Software
Q2529-05	PD089418.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:10:02 AM			Peak Integrated by Software
Q2529-07	PD089420.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:10:05 AM			Peak Integrated by Software
Q2529-08	PD089421.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:10:09 AM			Peak Integrated by Software
Q2529-09	PD089422.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:10:11 AM			Peak Integrated by Software
Q2529-10	PD089423.D	Tetrachloro-m-xylene #2	Abdul	7/10/2025 8:10:49 AM			Peak Integrated by Software
PSTDCCC050	PD089425.D	gamma-BHC (Lindane) #2	Abdul	7/10/2025 8:10:43 AM			Peak Integrated by Software

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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 # PD070925

Review By	Abdul	Review On	7/10/2025 8:11:12 AM		
Supervise By		Supervise On			
SubDirectory	PD070925	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	PD089398.D	09 Jul 2025 10:24	AR\AJ	Ok
2	I.BLK	PD089399.D	09 Jul 2025 11:14	AR\AJ	Ok,NS
3	PEM	PD089400.D	09 Jul 2025 13:22	AR\AJ	Ok,NS
4	PSTDCCC050	PD089401.D	09 Jul 2025 13:54	AR\AJ	Ok,NS
5	PB168765BL	PD089402.D	09 Jul 2025 14:08	AR\AJ	Ok
6	PB168765BS	PD089403.D	09 Jul 2025 14:21	AR\AJ	Ok,NS
7	Q2517-01	PD089404.D	09 Jul 2025 15:04	AR\AJ	Ok,NS
8	Q2517-01MS	PD089405.D	09 Jul 2025 15:18	AR\AJ	Ok,NS
9	Q2517-01MSD	PD089406.D	09 Jul 2025 15:31	AR\AJ	Ok,NS
10	Q2519-01	PD089407.D	09 Jul 2025 15:45	AR\AJ	Ok,NS
11	Q2523-01	PD089408.D	09 Jul 2025 15:59	AR\AJ	Ok,NS
12	Q2526-01	PD089409.D	09 Jul 2025 16:12	AR\AJ	Ok,NS
13	Q2526-03	PD089410.D	09 Jul 2025 16:26	AR\AJ	ReRun
14	Q2527-01	PD089411.D	09 Jul 2025 16:40	AR\AJ	Ok,NS
15	I.BLK	PD089412.D	09 Jul 2025 16:54	AR\AJ	Ok
16	PSTDCCC050	PD089413.D	09 Jul 2025 17:24	AR\AJ	Ok,NS
17	Q2529-01	PD089414.D	09 Jul 2025 17:39	AR\AJ	Ok,NS
18	Q2529-02	PD089415.D	09 Jul 2025 17:52	AR\AJ	Ok,NS
19	Q2529-03	PD089416.D	09 Jul 2025 18:06	AR\AJ	Ok,NS
20	Q2529-04	PD089417.D	09 Jul 2025 18:20	AR\AJ	Ok,NS
21	Q2529-05	PD089418.D	09 Jul 2025 18:33	AR\AJ	Ok,NS

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD070925

Review By	Abdul	Review On	7/10/2025 8:11:12 AM		
Supervise By		Supervise On			
SubDirectory	PD070925	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	Q2529-06	PD089419.D	09 Jul 2025 18:47	AR\AJ	Ok
23	Q2529-07	PD089420.D	09 Jul 2025 19:01	AR\AJ	Ok,NS
24	Q2529-08	PD089421.D	09 Jul 2025 19:14	AR\AJ	Ok,NS
25	Q2529-09	PD089422.D	09 Jul 2025 19:28	AR\AJ	Ok,NS
26	Q2529-10	PD089423.D	09 Jul 2025 19:42	AR\AJ	Ok,NS
27	I.BLK	PD089424.D	09 Jul 2025 19:55	AR\AJ	Ok
28	PSTDCCC050	PD089425.D	09 Jul 2025 20:09	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 # PD070925

Review By	Abdul	Review On	7/10/2025 8:11:12 AM		
Supervise By		Supervise On			
SubDirectory	PD070925	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	PD089398.D	09 Jul 2025 10:24		AR\AJ	Ok
2	I.BLK	I.BLK	PD089399.D	09 Jul 2025 11:14		AR\AJ	Ok,NS
3	PEM	PEM	PD089400.D	09 Jul 2025 13:22		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PD089401.D	09 Jul 2025 13:54		AR\AJ	Ok,NS
5	PB168765BL	PB168765BL	PD089402.D	09 Jul 2025 14:08		AR\AJ	Ok
6	PB168765BS	PB168765BS	PD089403.D	09 Jul 2025 14:21		AR\AJ	Ok,NS
7	Q2517-01	TP-14	PD089404.D	09 Jul 2025 15:04		AR\AJ	Ok,NS
8	Q2517-01MS	TP-14MS	PD089405.D	09 Jul 2025 15:18		AR\AJ	Ok,NS
9	Q2517-01MSD	TP-14MSD	PD089406.D	09 Jul 2025 15:31		AR\AJ	Ok,NS
10	Q2519-01	TP-15	PD089407.D	09 Jul 2025 15:45		AR\AJ	Ok,NS
11	Q2523-01	MOO-25-0190	PD089408.D	09 Jul 2025 15:59	TCMX low in 1st column	AR\AJ	Ok,NS
12	Q2526-01	LAW-25-0101	PD089409.D	09 Jul 2025 16:12		AR\AJ	Ok,NS
13	Q2526-03	LAW-25-0102	PD089410.D	09 Jul 2025 16:26	DCB Low in both column	AR\AJ	ReRun
14	Q2527-01	AR520-0015	PD089411.D	09 Jul 2025 16:40	DCB high in 1st column	AR\AJ	Ok,NS
15	I.BLK	I.BLK	PD089412.D	09 Jul 2025 16:54		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089413.D	09 Jul 2025 17:24		AR\AJ	Ok,NS
17	Q2529-01	TP-91	PD089414.D	09 Jul 2025 17:39		AR\AJ	Ok,NS
18	Q2529-02	TP-80	PD089415.D	09 Jul 2025 17:52		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 # PD070925

Review By	Abdul	Review On	7/10/2025 8:11:12 AM		
Supervise By		Supervise On			
SubDirectory	PD070925	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	Q2529-03	TP-79	PD089416.D	09 Jul 2025 18:06		AR\AJ	Ok,NS
20	Q2529-04	TP-95	PD089417.D	09 Jul 2025 18:20		AR\AJ	Ok,NS
21	Q2529-05	TP-98	PD089418.D	09 Jul 2025 18:33		AR\AJ	Ok,NS
22	Q2529-06	TP-102	PD089419.D	09 Jul 2025 18:47		AR\AJ	Ok
23	Q2529-07	TP-101	PD089420.D	09 Jul 2025 19:01		AR\AJ	Ok,NS
24	Q2529-08	TP-89	PD089421.D	09 Jul 2025 19:14		AR\AJ	Ok,NS
25	Q2529-09	TP-33	PD089422.D	09 Jul 2025 19:28		AR\AJ	Ok,NS
26	Q2529-10	TP-30	PD089423.D	09 Jul 2025 19:42		AR\AJ	Ok,NS
27	I.BLK	I.BLK	PD089424.D	09 Jul 2025 19:55		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PD089425.D	09 Jul 2025 20:09		AR\AJ	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 07/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136392

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
Q2519-01	TP-15	1	1.15	10.19	11.34	9.86	85.5	
Q2519-02	TP-15 EPH	2	1.19	10.75	11.94	10.4	85.7	
Q2519-03	TP-15 VOC	3	1.19	10.57	11.76	10.3	86.2	
Q2521-01	M1A	4	1.00	1.00	2.00	2.00	100.0	PILC
Q2521-02	M1B	5	1.00	1.00	2.00	2.00	100.0	PILC
Q2521-03	M2A	6	1.00	1.00	2.00	2.00	100.0	PILC
Q2521-04	M2B	7	1.00	1.00	2.00	2.00	100.0	PILC
Q2523-01	MOO-25-0190	8	1.15	10.15	11.3	10.95	96.6	
Q2523-02	PAD-070825-1	9	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2523-03	PAD-070825-2	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2524-01	OLD RETENTION BASIN 40TH	11	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2526-01	LAW-25-0101	12	1.00	1.00	2.00	2.00	100.0	debris
Q2526-02	LAW-25-0101	13	1.00	1.00	2.00	2.00	100.0	debris
Q2526-03	LAW-25-0102	14	1.15	10.84	11.99	5.76	42.5	
Q2526-04	LAW-25-0102	15	1.15	11.15	12.3	6.73	50.0	
Q2527-01	AR520-0015	16	1.15	10.73	11.88	9.58	78.6	
Q2527-02	AR520-0015	17	1.19	10.03	11.22	10.7	94.8	
Q2527-03	LAW-PAD-070825	18	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2528-01	L4A	19	1.00	1.00	2.00	2.00	100.0	PILC
Q2528-02	L4B	20	1.00	1.00	2.00	2.00	100.0	PILC
Q2528-03	L5A	21	1.00	1.00	2.00	2.00	100.0	PILC
Q2528-04	L5B	22	1.00	1.00	2.00	2.00	100.0	PILC
Q2528-05	L6A	23	1.00	1.00	2.00	2.00	100.0	PILC
Q2528-06	L6B	24	1.00	1.00	2.00	2.00	100.0	PILC
Q2528-07	L7A	25	1.00	1.00	2.00	2.00	100.0	PILC
Q2528-08	L7B	26	1.00	1.00	2.00	2.00	100.0	PILC
Q2528-09	L8A	27	1.00	1.00	2.00	2.00	100.0	PILC
Q2528-10	L8B	28	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 07/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136392

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
Q2528-11	L9A	29	1.00	1.00	2.00	2.00	100.0	PILC
Q2529-01	TP-91	30	1.18	9.93	11.11	10.21	90.9	
Q2529-02	TP-80	31	1.13	10.34	11.47	10.51	90.7	
Q2529-03	TP-79	32	1.15	10.84	11.99	10.97	90.6	
Q2529-04	TP-95	33	1.14	10.81	11.95	10.19	83.7	
Q2529-05	TP-98	34	1.18	10.80	11.98	10.56	86.9	
Q2529-06	TP-102	35	1.16	10.24	11.4	10.95	95.6	
Q2529-07	TP-101	36	1.18	10.78	11.96	10.85	89.7	
Q2529-08	TP-89	37	1.14	10.39	11.53	10.5	90.1	
Q2529-09	TP-33	38	1.16	10.36	11.52	10.54	90.5	
Q2529-10	TP-30	39	1.17	10.78	11.95	11.02	91.4	

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

WORKLIST(Hardcopy Internal Chain)

VB136392

WorkList Name : %1-070825 **WorkList ID :** 190583 **Department :** Wet-Chemistry **Date :** 07-08-2025 09:34:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2519-01	TP-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/08/2025	Chemtech -SO
Q2519-02	TP-15 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/08/2025	Chemtech -SO
Q2519-03	TP-15 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/08/2025	Chemtech -SO
Q2521-01	M1A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/08/2025	Chemtech -SO
Q2521-02	M1B	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/08/2025	Chemtech -SO
Q2521-03	M2A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/08/2025	Chemtech -SO
Q2521-04	M2B	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/08/2025	Chemtech -SO
Q2523-01	MOO-25-0190	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/08/2025	Chemtech -SO
Q2523-02	PAD-070825-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/08/2025	Chemtech -SO
Q2523-03	PAD-070825-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/08/2025	Chemtech -SO
Q2524-01	OLD RETENTION BASIN 40TH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/08/2025	Chemtech -SO
Q2526-01	LAW-25-0101	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/08/2025	Chemtech -SO
Q2526-02	LAW-25-0101	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/08/2025	Chemtech -SO
Q2526-03	LAW-25-0102	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/08/2025	Chemtech -SO
Q2526-04	LAW-25-0102	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/08/2025	Chemtech -SO
Q2527-01	AR520-0015	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/08/2025	Chemtech -SO
Q2527-02	AR520-0015	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/08/2025	Chemtech -SO
Q2527-03	LAW-PAD-070825	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/08/2025	Chemtech -SO
Q2528-01	L4A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2528-02	L4B	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2528-03	L5A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO

Date/Time 07/08/25 15:35

Raw Sample Received by: JR WOC1

Raw Sample Relinquished by: CP SM

Date/Time 07/08/25 17:15

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JR WOC1

WORKLIST(Hardcopy Internal Chain)

136392

WorkList Name : %1-070825 **WorkList ID :** 190583 **Department :** Wet-Chemistry **Date :** 07-08-2025 09:34:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2528-04	L5B	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2528-05	L6A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2528-06	L6B	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2528-07	L7A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2528-08	L7B	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2528-09	L8A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2528-10	L8B	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2528-11	L9A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2529-01	TP-91	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/08/2025	Chemtech -SO
Q2529-02	TP-80	Solid	Percent Solids	Cool 4 deg C	CAMP02	O11	07/03/2025	Chemtech -SO
Q2529-03	TP-79	Solid	Percent Solids	Cool 4 deg C	CAMP02	O11	07/07/2025	Chemtech -SO
Q2529-04	TP-95	Solid	Percent Solids	Cool 4 deg C	CAMP02	O11	07/07/2025	Chemtech -SO
Q2529-05	TP-98	Solid	Percent Solids	Cool 4 deg C	CAMP02	O11	07/07/2025	Chemtech -SO
Q2529-06	TP-102	Solid	Percent Solids	Cool 4 deg C	CAMP02	O11	07/07/2025	Chemtech -SO
Q2529-07	TP-101	Solid	Percent Solids	Cool 4 deg C	CAMP02	O11	07/07/2025	Chemtech -SO
Q2529-08	TP-89	Solid	Percent Solids	Cool 4 deg C	CAMP02	O11	07/07/2025	Chemtech -SO
Q2529-09	TP-33	Solid	Percent Solids	Cool 4 deg C	CAMP02	O11	07/08/2025	Chemtech -SO
Q2529-10	TP-30	Solid	Percent Solids	Cool 4 deg C	CAMP02	O11	07/08/2025	Chemtech -SO

Date/Time 07/08/25 15:35

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: CP SM

Date/Time 07/08/25 17:15

Raw Sample Received by: CP SM

Raw Sample Relinquished by: [illegible]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168765

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	07/09/2025
Matrix :	Solid			**Extraction Start Time :**	08:20
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	07/09/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ 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	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2624
Sand	N/A	E3951
Hexane	N/A	E3950
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

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723, Q2526-01 used Limited volume as sample is Oily Debris.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/9/25	RS (Ext-lab)	Y-P Pest HPCB
11:50	**Preparation Group**	**Analysis Group**

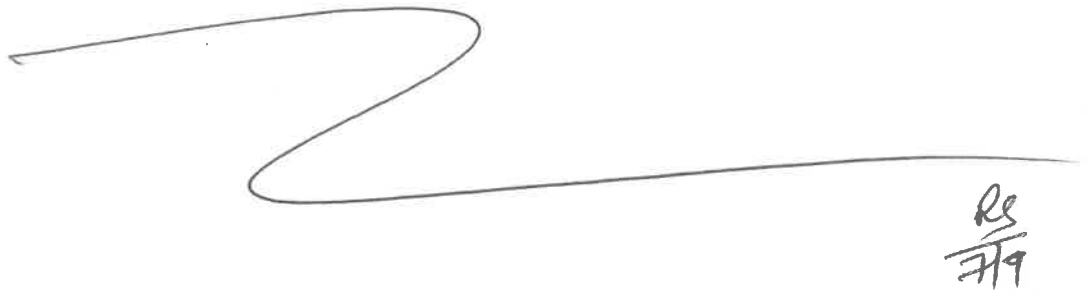
Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168765

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 07/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168765BL	PBLK765	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U6-1
PB168765BS	PLCS765	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
Q2517-01	TP-14	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		3
Q2517-01MS	TP-14MS	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q2517-01MSD	TP-14MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q2519-01	TP-15	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q2523-01	MOO-25-0190	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E	Small Partical	U1-1
Q2526-01	LAW-25-0101	Pesticide-TCL	5.07	N/A	ritesh	Evelyn	10	D	Oily Debris	2
Q2526-03	LAW-25-0102	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	D	Small Partical	3
Q2527-01	AR520-0015	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q2529-01	TP-91	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		5
Q2529-02	TP-80	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		6
Q2529-03	TP-79	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q2529-04	TP-95	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		2
Q2529-05	TP-98	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		3
Q2529-06	TP-102	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q2529-07	TP-101	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5
Q2529-08	TP-89	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		6
Q2529-09	TP-33	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		U3-1
Q2529-10	TP-30	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2



*** Extracts relinquished on the same date as received.**

+65
08:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2519P **WorkList ID :** 190600 **Department :** Extraction **Date :** 07-09-2025 08:14:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2517-01	TP-14	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O23	07/07/2025	8081B
Q2519-01	TP-15	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O11	07/08/2025	8081B
Q2523-01	MOO-25-0190	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O21	07/08/2025	8081B
Q2526-01	LAW-25-0101	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O13	07/08/2025	8081B
Q2526-03	LAW-25-0102	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O13	07/08/2025	8081B
Q2527-01	AR520-0015	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O22	07/08/2025	8081B
Q2529-01	TP-91	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/03/2025	8081B
Q2529-02	TP-80	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/07/2025	8081B
Q2529-03	TP-79	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/07/2025	8081B
Q2529-04	TP-95	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/07/2025	8081B
Q2529-05	TP-98	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/07/2025	8081B
Q2529-06	TP-102	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/07/2025	8081B
Q2529-07	TP-101	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/07/2025	8081B
Q2529-08	TP-89	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/08/2025	8081B
Q2529-09	TP-33	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/08/2025	8081B
Q2529-10	TP-30	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O11	07/08/2025	8081B

Date/Time 07/09/25 8:15
Raw Sample Received by: RJ (ETL-Lab)
Raw Sample Relinquished by:

Date/Time 07/09/25 8:45
Raw Sample Received by:
Raw Sample Relinquished by: RJ (ETL-Lab)

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. Q2529
COC Number 2047550

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: FELIPE CONTRERAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 7325904679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

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. TCL VOC
2. TCL SVOC
3. TAL METALS
4. PESTICIDES
5. HERBICIDES
6. PCB's
7. DRO/GRO
8.
9.

PRESERVATIVES

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.	TP-91	S		X	7/3/25	1335	6	X	X	X	X	X	X	X			E
2.	TP-80	S		X	7/7/25	0830	6	X	X	X	X	X	X	X			E
3.	TP-79	S		X	7/7/25	0930	6	X	X	X	X	X	X	X			E
4.	TP-95	S		X	7/7/25	1025	6	X	X	X	X	X	X	X			E
5.	TP-98	S		X	7/7/25	1100	6	X	X	X	X	X	X	X			E
6.	TP-102	S		X	7/7/25	1200	6	X	X	X	X	X	X	X			E
7.	TP-101	S		X	7/7/25	1505	6	X	X	X	X	X	X	X			E
8.	TP-89	S		X	7/8/25	0810	6	X	X	X	X	X	X	X			E
9.	TP-33	S		X	7/8/25	1015	6	X	X	X	X	X	X	X			E
10.	TP-30	S		X	7/8/25	1145	6	X	X	X	X	X	X	X			E

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	7/8/25 1422	1. 7-8-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 1530 7825	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.2 °C
Comments:

Page _____ of

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2529 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 7/8/2025 3:36:00 PM
Project Name : South River WM Replacem
Receive DateTime : 7/8/2025 3:30:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 2 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2529-01	TP-91	Solid	07/03/2025	13:35					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2529-02	TP-80	Solid	07/07/2025	08:30					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2529-03	TP-79	Solid	07/07/2025	09:30					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2529-04	TP-95	Solid	07/07/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2529-05	TP-98	Solid	07/07/2025	11:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2529-06	TP-102	Solid	07/07/2025	12:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2529-07	TP-101	Solid	07/07/2025	15:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2529-08	TP-89	Solid	07/08/2025	08:10					

Alliance
L N A O F
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2529 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 7/8/2025 3:36:00 PM
Project Name : South River WM Replacem
Receive DateTime : 7/8/2025 3:30:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2529-09	TP-33	Solid	07/08/2025	10:15					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2529-10	TP-30	Solid	07/08/2025	11:45					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinguished By :
Date / Time : 7-8-25 1615

Received By : JC
Date / Time : 7/8/25 1615

Storage Area : VOA Refridgerator Room