

Cover Page

Order ID : Q2514

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2514-01
Q2514-02
Q2514-03
Q2514-04
Q2514-05
Q2514-06
Q2514-07
Q2514-08
Q2514-09
Q2514-10

Client Sample Number

TP-92
TP-93
TP-94
TP-96
TP-97
TP-103
TP-36
TP-78
TP-81
TP-90

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: 7/15/2025

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2514

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 07/15/2025

LAB CHRONICLE

OrderID:	Q2514	OrderDate:	7/3/2025 1:29:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	TP-92	SOIL	Pesticide-TCL	8081B	07/02/25	07/07/25	07/07/25	07/03/25
Q2514-02	TP-93	SOIL	Pesticide-TCL	8081B	07/02/25	07/07/25	07/07/25	07/03/25
Q2514-03	TP-94	SOIL	Pesticide-TCL	8081B	07/02/25	07/07/25	07/07/25	07/03/25
Q2514-04	TP-96	SOIL	Pesticide-TCL	8081B	07/02/25	07/07/25	07/07/25	07/03/25
Q2514-05	TP-97	SOIL	Pesticide-TCL	8081B	07/02/25	07/07/25	07/07/25	07/03/25
Q2514-06	TP-103	SOIL	Pesticide-TCL	8081B	07/02/25	07/07/25	07/07/25	07/03/25
Q2514-07	TP-36	SOIL	Pesticide-TCL	8081B	07/03/25	07/07/25	07/07/25	07/03/25
Q2514-08	TP-78	SOIL	Pesticide-TCL	8081B	07/03/25	07/07/25	07/07/25	07/03/25
Q2514-09	TP-81	SOIL	Pesticide-TCL	8081B	07/03/25	07/07/25	07/07/25	07/03/25
Q2514-10	TP-90	SOIL	Pesticide-TCL	8081B	07/03/25	07/07/25	07/07/25	07/03/25

Hit Summary Sheet
SW-846

SDG No.: Q2514

Order ID: Q2514

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-93								
Q2514-02	TP-93	SOIL	alpha-Chlordane	0.36	J	0.14	1.90	ug/kg
Q2514-02	TP-93	SOIL	gamma-Chlordane	0.19	J	0.17	1.90	ug/kg
Total Concentration:				0.550				
Client ID : TP-94								
Q2514-03	TP-94	SOIL	4,4-DDE	0.42	JP	0.16	1.90	ug/kg
Q2514-03	TP-94	SOIL	4,4-DDT	0.55	J	0.16	1.90	ug/kg
Total Concentration:				0.970				
Client ID : TP-96								
Q2514-04	TP-96	SOIL	4,4-DDT	0.33	J	0.16	2.00	ug/kg
Total Concentration:				0.330				
Client ID : TP-97								
Q2514-05	TP-97	SOIL	4,4-DDT	0.27	J	0.16	2.00	ug/kg
Total Concentration:				0.270				



QC SUMMARY

Surrogate Summary

SDG No.: **Q2514**

Client: **CDM Smith**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	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-PD089340.D	PIBLK-PD089340.D	Decachlorobiphen	1	20	20.0	100		57	171
		Tetrachloro-m-xyl	1	20	18.7	93		61	148
		Decachlorobiphen	2	20	20.0	100		57	171
		Tetrachloro-m-xyl	2	20	21.2	106		61	148
PB168736BL	PB168736BL	Decachlorobiphen	1	20	15.4	77		20	144
		Tetrachloro-m-xyl	1	20	16.9	85		19	148
		Decachlorobiphen	2	20	14.1	71		20	144
		Tetrachloro-m-xyl	2	20	19.8	99		19	148
PB168736BS	PB168736BS	Decachlorobiphen	1	20	15.8	79		20	144
		Tetrachloro-m-xyl	1	20	16.3	81		19	148
		Decachlorobiphen	2	20	14.9	75		20	144
		Tetrachloro-m-xyl	2	20	19.8	99		19	148
I.BLK-PD089356.D	PIBLK-PD089356.D	Decachlorobiphen	1	20	17.9	89		57	171
		Tetrachloro-m-xyl	1	20	19.0	95		61	148
		Decachlorobiphen	2	20	16.4	82		57	171
		Tetrachloro-m-xyl	2	20	22.2	111		61	148
Q2514-01	TP-92	Decachlorobiphen	1	20	8.74	44		20	144
		Tetrachloro-m-xyl	1	20	16.2	81		19	148
		Decachlorobiphen	2	20	6.43	32		20	144
		Tetrachloro-m-xyl	2	20	18.2	91		19	148
Q2514-01MS	TP-92MS	Decachlorobiphen	1	20	13.6	68		20	144
		Tetrachloro-m-xyl	1	20	18.8	94		19	148
		Decachlorobiphen	2	20	10.3	52		20	144
		Tetrachloro-m-xyl	2	20	21.6	108		19	148
Q2514-01MSD	TP-92MSD	Decachlorobiphen	1	20	13.9	69		20	144
		Tetrachloro-m-xyl	1	20	19.3	96		19	148
		Decachlorobiphen	2	20	10.8	54		20	144
		Tetrachloro-m-xyl	2	20	21.2	106		19	148
Q2514-02	TP-93	Decachlorobiphen	1	20	8.37	42		20	144
		Tetrachloro-m-xyl	1	20	10.5	52		19	148
		Decachlorobiphen	2	20	7.36	37		20	144
		Tetrachloro-m-xyl	2	20	11.9	60		19	148
Q2514-03	TP-94	Decachlorobiphen	1	20	10.8	54		20	144
		Tetrachloro-m-xyl	1	20	17.5	88		19	148
		Decachlorobiphen	2	20	9.10	46		20	144
		Tetrachloro-m-xyl	2	20	18.7	94		19	148
Q2514-04	TP-96	Decachlorobiphen	1	20	8.21	41		20	144

Surrogate Summary

SDG No.: **Q2514**

Client: **CDM Smith**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q2514-04	TP-96	Tetrachloro-m-xyl	1	20	11.0	55		19	148
		Decachlorobiphen	2	20	7.29	36		20	144
Q2514-05	TP-97	Tetrachloro-m-xyl	2	20	12.2	61		19	148
		Decachlorobiphen	1	20	13.1	66		20	144
		Tetrachloro-m-xyl	1	20	15.4	77		19	148
		Decachlorobiphen	2	20	9.75	49		20	144
		Tetrachloro-m-xyl	2	20	17.0	85		19	148
I.BLK-PD089367.D	PIBLK-PD089367.D	Decachlorobiphen	1	20	17.4	87		57	171
		Tetrachloro-m-xyl	1	20	19.1	96		61	148
		Decachlorobiphen	2	20	14.8	74		57	171
		Tetrachloro-m-xyl	2	20	21.8	109		61	148
Q2514-06	TP-103	Decachlorobiphen	1	20	11.4	57		20	144
		Tetrachloro-m-xyl	1	20	18.1	91		19	148
		Decachlorobiphen	2	20	10.5	53		20	144
		Tetrachloro-m-xyl	2	20	18.0	90		19	148
Q2514-07	TP-36	Decachlorobiphen	1	20	13.1	66		20	144
		Tetrachloro-m-xyl	1	20	16.9	85		19	148
		Decachlorobiphen	2	20	12.5	63		20	144
		Tetrachloro-m-xyl	2	20	18.7	93		19	148
Q2514-08	TP-78	Decachlorobiphen	1	20	9.06	45		20	144
		Tetrachloro-m-xyl	1	20	14.9	74		19	148
		Decachlorobiphen	2	20	8.93	45		20	144
		Tetrachloro-m-xyl	2	20	16.6	83		19	148
Q2514-09	TP-81	Decachlorobiphen	1	20	8.25	41		20	144
		Tetrachloro-m-xyl	1	20	15.2	76		19	148
		Decachlorobiphen	2	20	7.73	39		20	144
		Tetrachloro-m-xyl	2	20	16.7	84		19	148
Q2514-10	TP-90	Decachlorobiphen	1	20	10.9	55		20	144
		Tetrachloro-m-xyl	1	20	12.0	60		19	148
		Decachlorobiphen	2	20	10.2	51		20	144
		Tetrachloro-m-xyl	2	20	13.6	68		19	148
I.BLK-PD089376.D	PIBLK-PD089376.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	19.1	96		61	148
		Decachlorobiphen	2	20	16.9	85		57	171
		Tetrachloro-m-xyl	2	20	22.4	112		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2514</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089361.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result								High	RPD
Lab Sample ID:	Q2514-01MS (Column 1)	Client Sample ID:		TP-92MS								
	alpha-BHC	19.05	0	16.0	ug/kg	84				60	144	
	beta-BHC	19.05	0	15.8	ug/kg	83				54	143	
	delta-BHC	19.05	0	16.9	ug/kg	89				29	151	
	gamma-BHC (Lindane)	19.05	0	16.3	ug/kg	86				61	140	
	Heptachlor	19.05	0	15.5	ug/kg	81				63	135	
	Aldrin	19.05	0	15.2	ug/kg	80				49	139	
	Heptachlor epoxide	19.05	0	14.3	ug/kg	75				41	156	
	Endosulfan I	19.05	0	14.0	ug/kg	73				56	142	
	Dieldrin	19.05	0	13.4	ug/kg	70				47	161	
	4,4'-DDE	19.05	0	13.7	ug/kg	72				55	136	
	Endrin	19.05	0	13.6	ug/kg	71				57	139	
	Endosulfan II	19.05	0	13.2	ug/kg	69				40	163	
	4,4'-DDD	19.05	0	13.0	ug/kg	68				47	163	
	Endosulfan sulfate	19.05	0	12.9	ug/kg	68				62	139	
	4,4'-DDT	19.05	0	12.2	ug/kg	64				51	146	
	Methoxychlor	19.05	0	11.1	ug/kg	58				54	136	
	Endrin ketone	19.05	0	12.2	ug/kg	64				60	129	
	Endrin aldehyde	19.05	0	12.8	ug/kg	67				59	132	
	alpha-Chlordane	19.05	0	13.9	ug/kg	73				39	166	
	gamma-Chlordane	19.05	0	13.9	ug/kg	73				44	175	
Lab Sample ID:	Q2514-01MS (Column 2)	Client Sample ID:		TP-92MS								
	alpha-BHC	19.05	0	17.9	ug/kg	94				60	144	
	beta-BHC	19.05	0	17.4	ug/kg	91				54	143	
	delta-BHC	19.05	0	17.1	ug/kg	90				29	151	
	gamma-BHC (Lindane)	19.05	0	17.8	ug/kg	93				61	140	
	Heptachlor	19.05	0	17.2	ug/kg	90				63	135	
	Aldrin	19.05	0	17.1	ug/kg	90				49	139	
	Heptachlor epoxide	19.05	0	16.4	ug/kg	86				41	156	
	Endosulfan I	19.05	0	15.8	ug/kg	83				56	142	
	Dieldrin	19.05	0	14.9	ug/kg	78				47	161	
	4,4'-DDE	19.05	0	15.4	ug/kg	81				55	136	
	Endrin	19.05	0	14.0	ug/kg	73				57	139	
	Endosulfan II	19.05	0	13.0	ug/kg	68				40	163	
	4,4'-DDD	19.05	0	12.9	ug/kg	68				47	163	
	Endosulfan sulfate	19.05	0	13.0	ug/kg	68				62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2514</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089361.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits	RPD
		Result	Result				Qual	RPD		
4,4'-DDT	19.05	0	12.9	ug/kg	68				51	146
Methoxychlor	19.05	0	12.1	ug/kg	64				54	136
Endrin ketone	19.05	0	11.2	ug/kg	59				60	129
Endrin aldehyde	19.05	0	12.8	ug/kg	67				59	132
alpha-Chlordane	19.05	0	15.6	ug/kg	82				39	166
gamma-Chlordane	19.05	0	15.7	ug/kg	82				44	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2514</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089362.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits	
			Result				Qual	RPD	Qual		High	RPD
Lab Sample ID:	Q2514-01MSD (Column 1)	Client Sample ID:		TP-92MSD								
	alpha-BHC	19.03	0	16.4	ug/kg	86		2		60	144	20
	beta-BHC	19.03	0	15.8	ug/kg	83		0		54	143	20
	delta-BHC	19.03	0	17.6	ug/kg	92		3		29	151	20
	gamma-BHC (Lindane)	19.03	0	16.3	ug/kg	86		0		61	140	20
	Heptachlor	19.03	0	16.3	ug/kg	86		6		63	135	20
	Aldrin	19.03	0	15.7	ug/kg	83		4		49	139	20
	Heptachlor epoxide	19.03	0	14.7	ug/kg	77		3		41	156	20
	Endosulfan I	19.03	0	14.5	ug/kg	76		4		56	142	20
	Dieldrin	19.03	0	13.8	ug/kg	73		4		47	161	20
	4,4'-DDE	19.03	0	14.0	ug/kg	74		3		55	136	20
	Endrin	19.03	0	14.0	ug/kg	74		4		57	139	20
	Endosulfan II	19.03	0	13.3	ug/kg	70		1		40	163	20
	4,4'-DDD	19.03	0	13.4	ug/kg	70		3		47	163	20
	Endosulfan sulfate	19.03	0	12.6	ug/kg	66		3		62	139	20
	4,4'-DDT	19.03	0	12.8	ug/kg	67		5		51	146	20
	Methoxychlor	19.03	0	12.1	ug/kg	64		10		54	136	20
	Endrin ketone	19.03	0	12.6	ug/kg	66		3		60	129	20
	Endrin aldehyde	19.03	0	13.5	ug/kg	71		6		59	132	20
	alpha-Chlordane	19.03	0	14.5	ug/kg	76		4		39	166	20
	gamma-Chlordane	19.03	0	14.7	ug/kg	77		5		44	175	20
Lab Sample ID:	Q2514-01MSD (Column 2)	Client Sample ID:		TP-92MSD								
	alpha-BHC	19.03	0	17.9	ug/kg	94		0		60	144	20
	beta-BHC	19.03	0	17.7	ug/kg	93		2		54	143	20
	delta-BHC	19.03	0	17.3	ug/kg	91		1		29	151	20
	gamma-BHC (Lindane)	19.03	0	17.9	ug/kg	94		1		61	140	20
	Heptachlor	19.03	0	17.4	ug/kg	91		1		63	135	20
	Aldrin	19.03	0	17.4	ug/kg	91		1		49	139	20
	Heptachlor epoxide	19.03	0	16.9	ug/kg	89		3		41	156	20
	Endosulfan I	19.03	0	16.9	ug/kg	89		7		56	142	20
	Dieldrin	19.03	0	15.3	ug/kg	80		3		47	161	20
	4,4'-DDE	19.03	0	16.1	ug/kg	85		5		55	136	20
	Endrin	19.03	0	14.8	ug/kg	78		7		57	139	20
	Endosulfan II	19.03	0	13.9	ug/kg	73		7		40	163	20
	4,4'-DDD	19.03	0	13.7	ug/kg	72		6		47	163	20
	Endosulfan sulfate	19.03	0	13.6	ug/kg	71		4		62	139	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2514</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089362.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	19.03	0	14.0	ug/kg	74		8		51	146	20
Methoxychlor	19.03	0	13.0	ug/kg	68		6		54	136	20
Endrin ketone	19.03	0	12.2	ug/kg	64		8		60	129	20
Endrin aldehyde	19.03	0	13.6	ug/kg	71		6		59	132	20
alpha-Chlordane	19.03	0	16.6	ug/kg	87		6		39	166	20
gamma-Chlordane	19.03	0	16.1	ug/kg	85		4		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2514</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PD089354.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168736BS (Column 1)	alpha-BHC	16.65	17.9	ug/kg	108				84	123	
	beta-BHC	16.65	17.0	ug/kg	102				82	123	
	delta-BHC	16.65	18.7	ug/kg	112				83	126	
	gamma-BHC (Lindane)	16.65	17.8	ug/kg	107				83	125	
	Heptachlor	16.65	17.9	ug/kg	108				83	122	
	Aldrin	16.65	17.6	ug/kg	106				82	124	
	Heptachlor epoxide	16.65	17.1	ug/kg	103				83	120	
	Endosulfan I	16.65	16.8	ug/kg	101				81	124	
	Dieldrin	16.65	16.6	ug/kg	100				85	121	
	4,4'-DDE	16.65	16.0	ug/kg	96				81	123	
	Endrin	16.65	16.4	ug/kg	98				76	130	
	Endosulfan II	16.65	16.6	ug/kg	100				80	125	
	4,4'-DDD	16.65	16.3	ug/kg	98				80	131	
	Endosulfan sulfate	16.65	15.8	ug/kg	95				81	122	
	4,4'-DDT	16.65	16.0	ug/kg	96				70	129	
	Methoxychlor	16.65	14.6	ug/kg	88				60	119	
	Endrin ketone	16.65	15.4	ug/kg	92				77	132	
	Endrin aldehyde	16.65	16.1	ug/kg	97				79	124	
	alpha-Chlordane	16.65	16.8	ug/kg	101				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
PB168736BS (Column 2)	alpha-BHC	16.65	18.8	ug/kg	113				84	123	
	beta-BHC	16.65	18.3	ug/kg	110				82	123	
	delta-BHC	16.65	18.9	ug/kg	114				83	126	
	gamma-BHC (Lindane)	16.65	18.8	ug/kg	113				83	125	
	Heptachlor	16.65	18.6	ug/kg	112				83	122	
	Aldrin	16.65	18.8	ug/kg	113				82	124	
	Heptachlor epoxide	16.65	19.0	ug/kg	114				83	120	
	Endosulfan I	16.65	18.7	ug/kg	112				81	124	
	Dieldrin	16.65	18.1	ug/kg	109				85	121	
	4,4'-DDE	16.65	18.3	ug/kg	110				81	123	
	Endrin	16.65	17.4	ug/kg	105				76	130	
	Endosulfan II	16.65	17.4	ug/kg	105				80	125	
	4,4'-DDD	16.65	17.6	ug/kg	106				80	131	
	Endosulfan sulfate	16.65	16.7	ug/kg	100				81	122	
	4,4'-DDT	16.65	17.2	ug/kg	103				70	129	
	Methoxychlor	16.65	15.9	ug/kg	95				60	119	
	Endrin ketone	16.65	15.8	ug/kg	95				77	132	
	Endrin aldehyde	16.65	16.9	ug/kg	102				79	124	
	alpha-Chlordane	16.65	18.5	ug/kg	111				84	120	
	gamma-Chlordane	16.65	18.6	ug/kg	112				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168736BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: PB168736BL

Lab File ID: PD089353.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/07/2025

Date Analyzed (1): 07/07/2025

Date Analyzed (2): 07/07/2025

Time Analyzed (1): 15:07

Time Analyzed (2): 15:07

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
PB168736BS	PB168736BS	PD089354.D	07/07/2025	07/07/2025
TP-92	Q2514-01	PD089360.D	07/07/2025	07/07/2025
TP-92MS	Q2514-01MS	PD089361.D	07/07/2025	07/07/2025
TP-92MSD	Q2514-01MSD	PD089362.D	07/07/2025	07/07/2025
TP-93	Q2514-02	PD089363.D	07/07/2025	07/07/2025
TP-94	Q2514-03	PD089364.D	07/07/2025	07/07/2025
TP-96	Q2514-04	PD089365.D	07/07/2025	07/07/2025
TP-97	Q2514-05	PD089366.D	07/07/2025	07/07/2025
TP-103	Q2514-06	PD089370.D	07/07/2025	07/07/2025
TP-36	Q2514-07	PD089371.D	07/07/2025	07/07/2025
TP-78	Q2514-08	PD089372.D	07/07/2025	07/07/2025
TP-81	Q2514-09	PD089373.D	07/07/2025	07/07/2025
TP-90	Q2514-10	PD089374.D	07/07/2025	07/07/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089360.D	1	07/07/25 08:30	07/07/25 17:56	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	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	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.74		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089360.D	1	07/07/25 08:30	07/07/25 17:56	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089360.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 17:56
 Operator : AR\AJ
 Sample : Q2514-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-92

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:26:20 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...	3.550	2.878	46301119	308.0E6	16.228	18.166m
28) SA Decachlor...	9.073	8.071	34317025	127.0E6	8.737	6.425 #

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 17:56
Operator : AR\AJ
Sample : Q2514-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

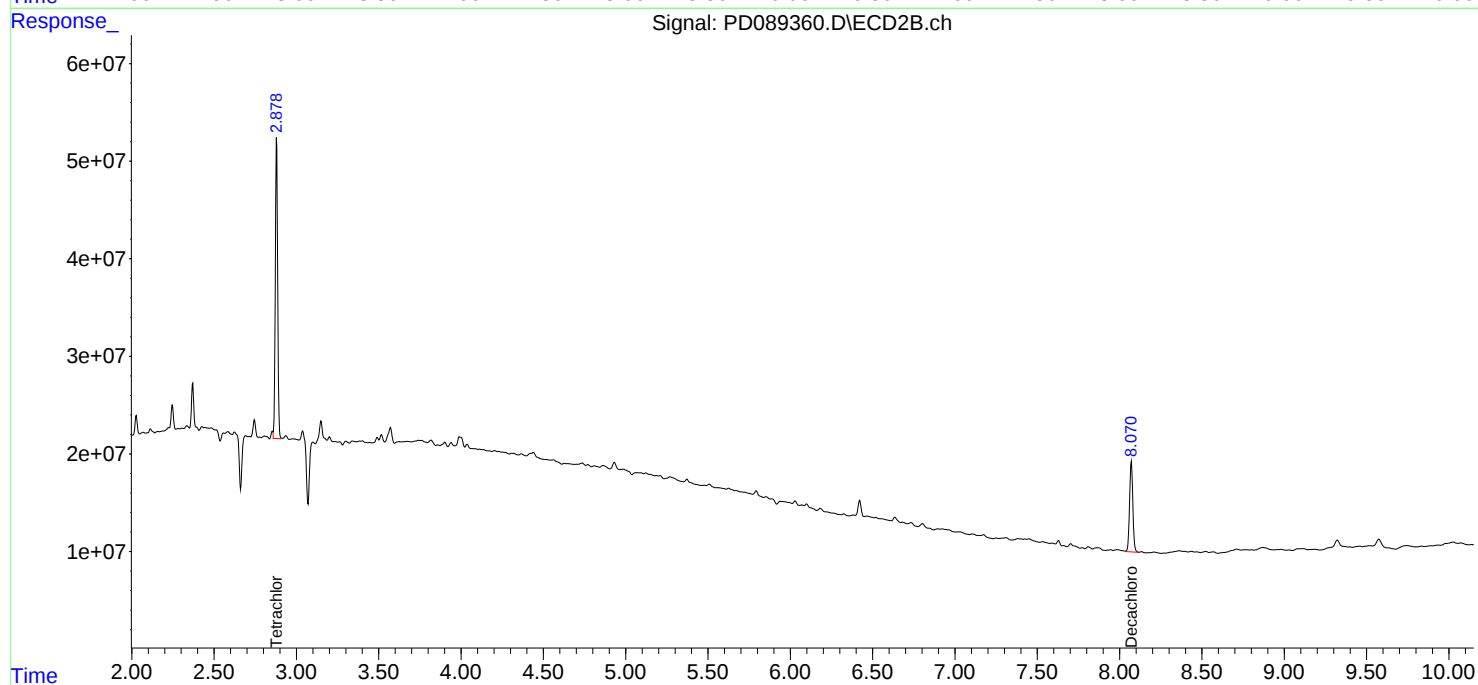
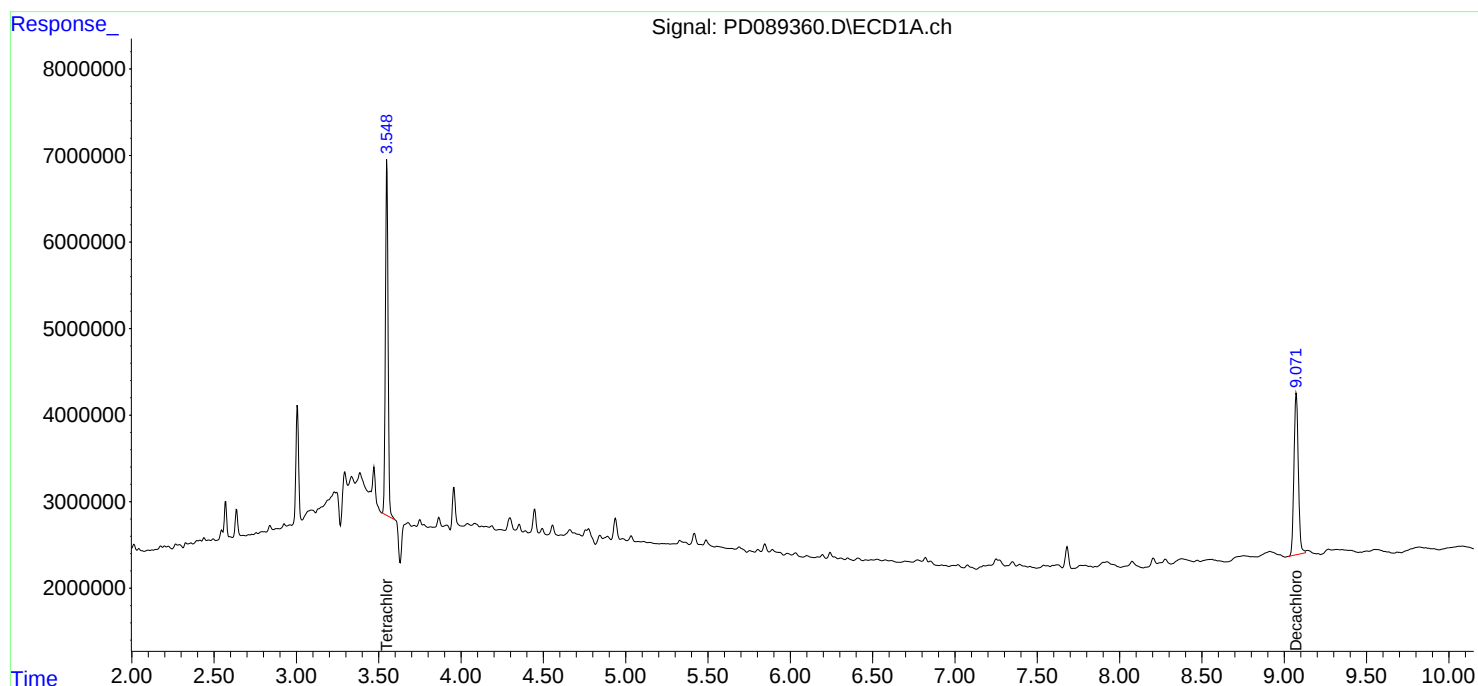
Instrument :
ECD_D
ClientSampleId :
TP-92

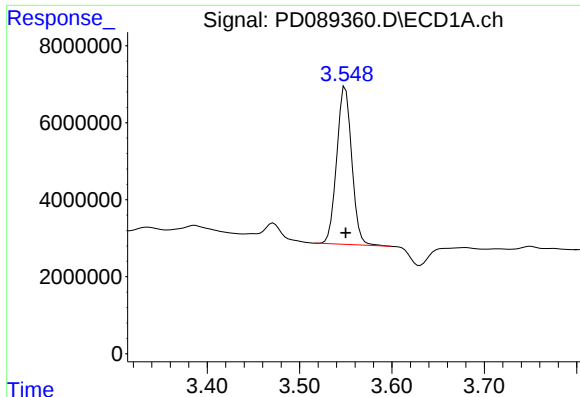
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:26:20 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





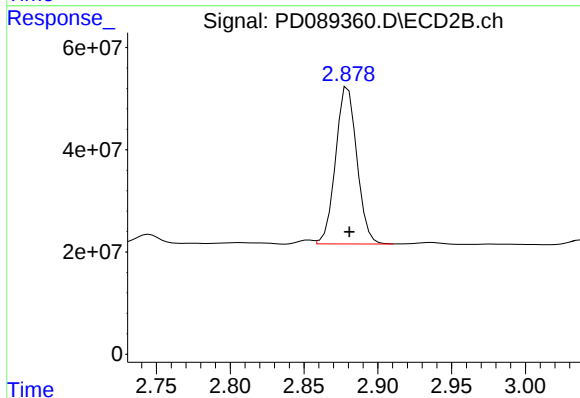
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 46301119
Conc: 16.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-92

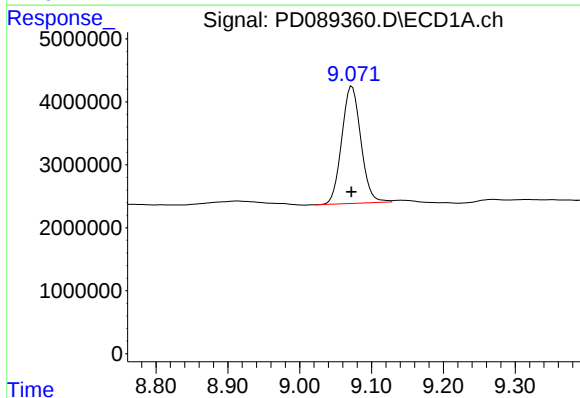
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



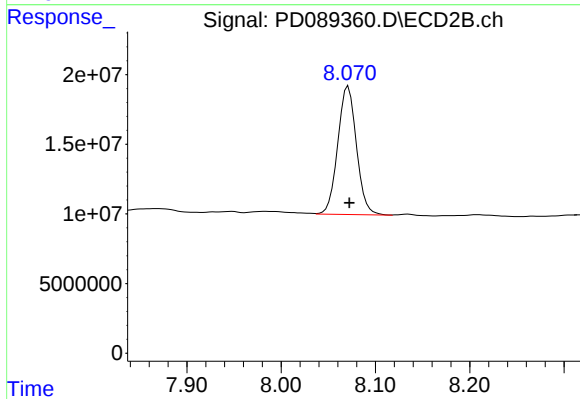
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.002 min
Response: 307975543
Conc: 18.17 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 34317025
Conc: 8.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 127025861
Conc: 6.43 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 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
PD089363.D	1	07/07/25 08:30	07/07/25 18:37	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	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	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.36	J	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.19	J	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.37		20 - 144	42%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.9		19 - 148	60%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 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
PD089363.D	1	07/07/25 08:30	07/07/25 18:37	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089363.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 18:37
 Operator : AR\AJ
 Sample : Q2514-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-93

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:26:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	29856960	202.1E6	10.465	11.920
28)	SA Decachlor...	9.070	8.071	32863230	145.5E6	8.367	7.357
Target Compounds							
10)	B gamma-Chl...	5.944	5.124	2329567	9693185	0.487	0.405m
11)	B alpha-Chl...	6.028	5.188	4604573	18229395	0.952	0.796m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 18:37
Operator : AR\AJ
Sample : Q2514-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

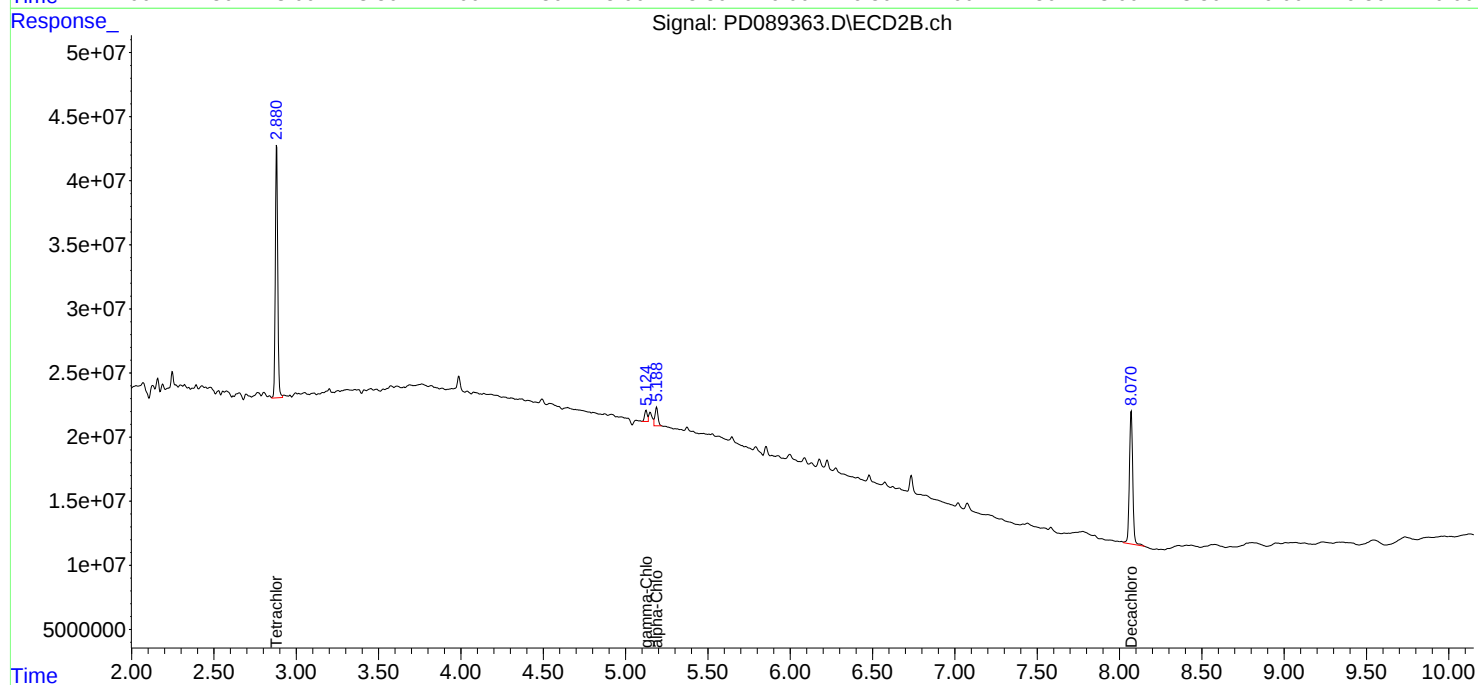
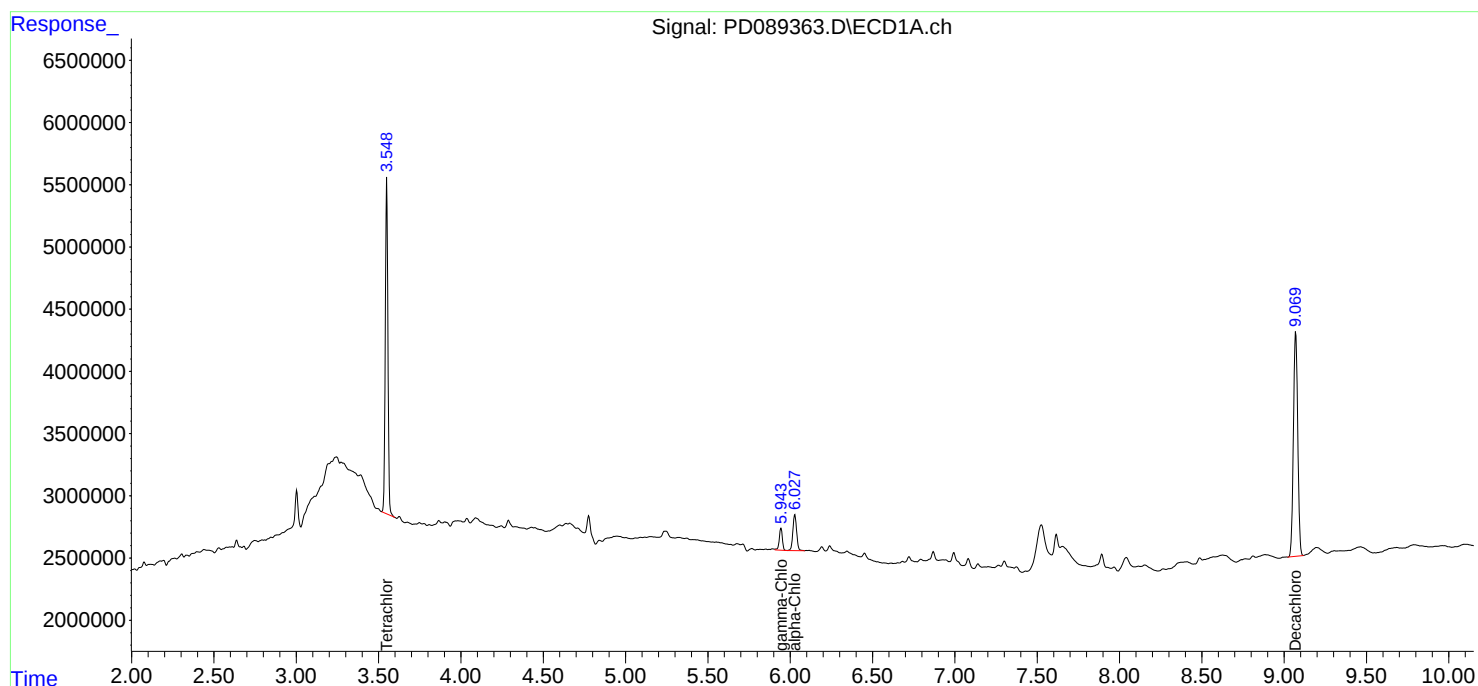
Instrument :
ECD_D
ClientSampleId :
TP-93

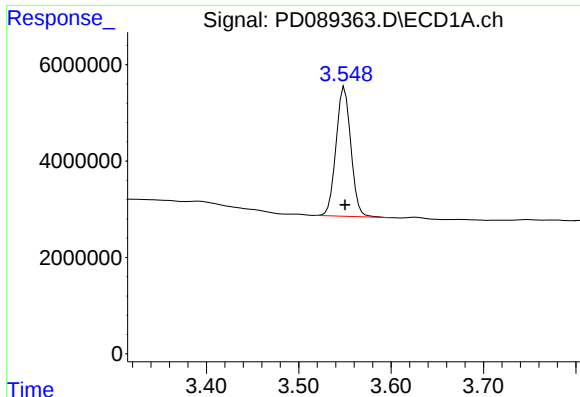
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:26:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





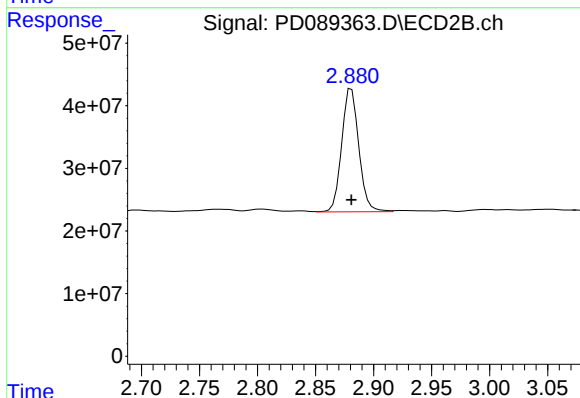
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
 Delta R.T.: 0.000 min
 Response: 29856960
 Conc: 10.46 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 TP-93

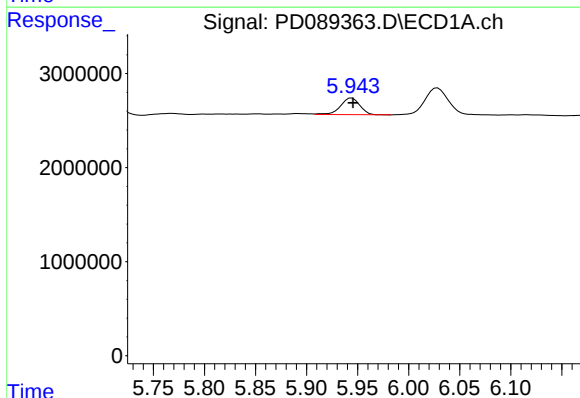
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025



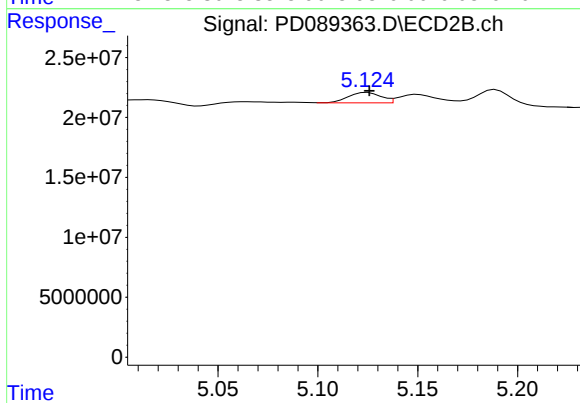
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
 Delta R.T.: 0.000 min
 Response: 202083280
 Conc: 11.92 ng/ml



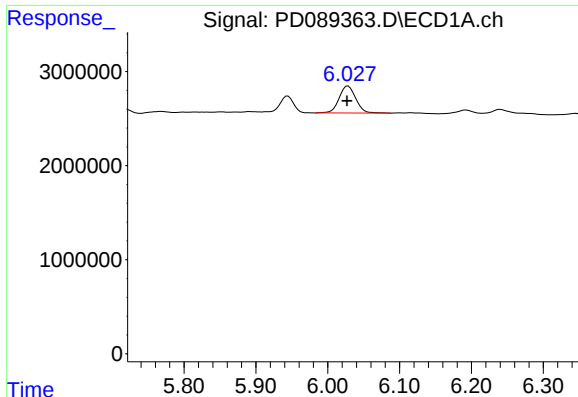
#10 gamma-Chlordane

R.T.: 5.944 min
 Delta R.T.: -0.001 min
 Response: 2329567
 Conc: 0.49 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
 Delta R.T.: -0.002 min
 Response: 9693185
 Conc: 0.41 ng/ml m



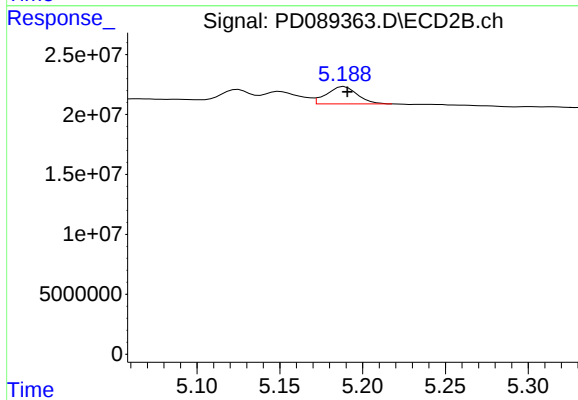
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.001 min
Response: 4604573
Conc: 0.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-93

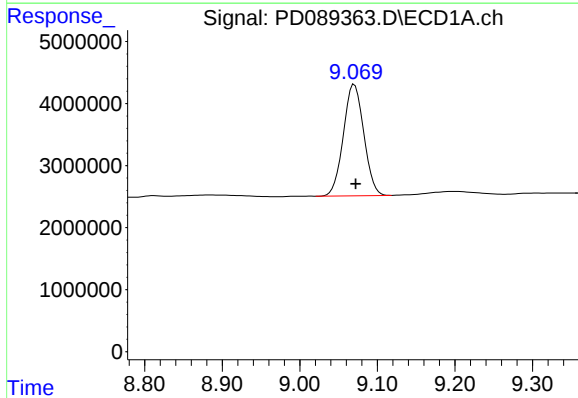
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



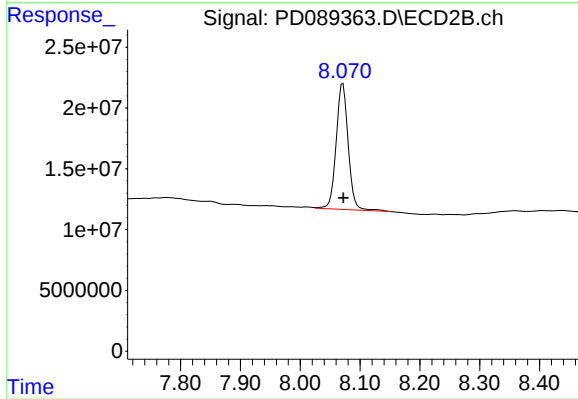
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 18229395
Conc: 0.80 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 32863230
Conc: 8.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 145453566
Conc: 7.36 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1 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
PD089364.D	1	07/07/25 08:30	07/07/25 18:51	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.42	JP	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.55	J	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.8		20 - 144	54%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		19 - 148	94%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089364.D	1	07/07/25 08:30	07/07/25 18:51	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089364.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 18:51
 Operator : AR\AJ
 Sample : Q2514-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-94

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:27:04 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	49995277	317.6E6	17.523	18.734m
28)	SA Decachlor...	9.072	8.071	42442861	180.0E6	10.806	9.104
Target Compounds							
12)	B 4,4'-DDE	6.195	5.373	2716260	25523146	0.623	1.114m#
17)	MA 4,4'-DDT	7.019	6.181	3907177	29701975	1.031m	1.465m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089364.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 18:51
Operator : AR\AJ
Sample : Q2514-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

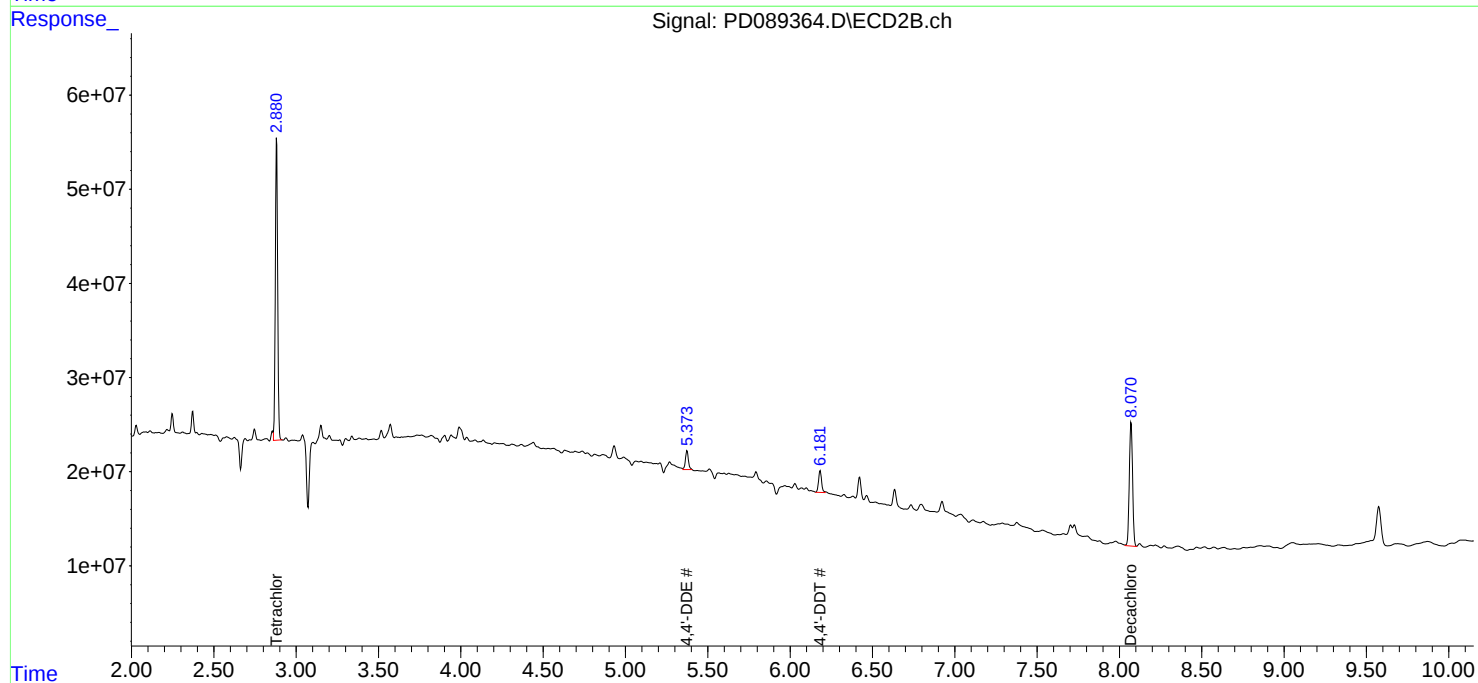
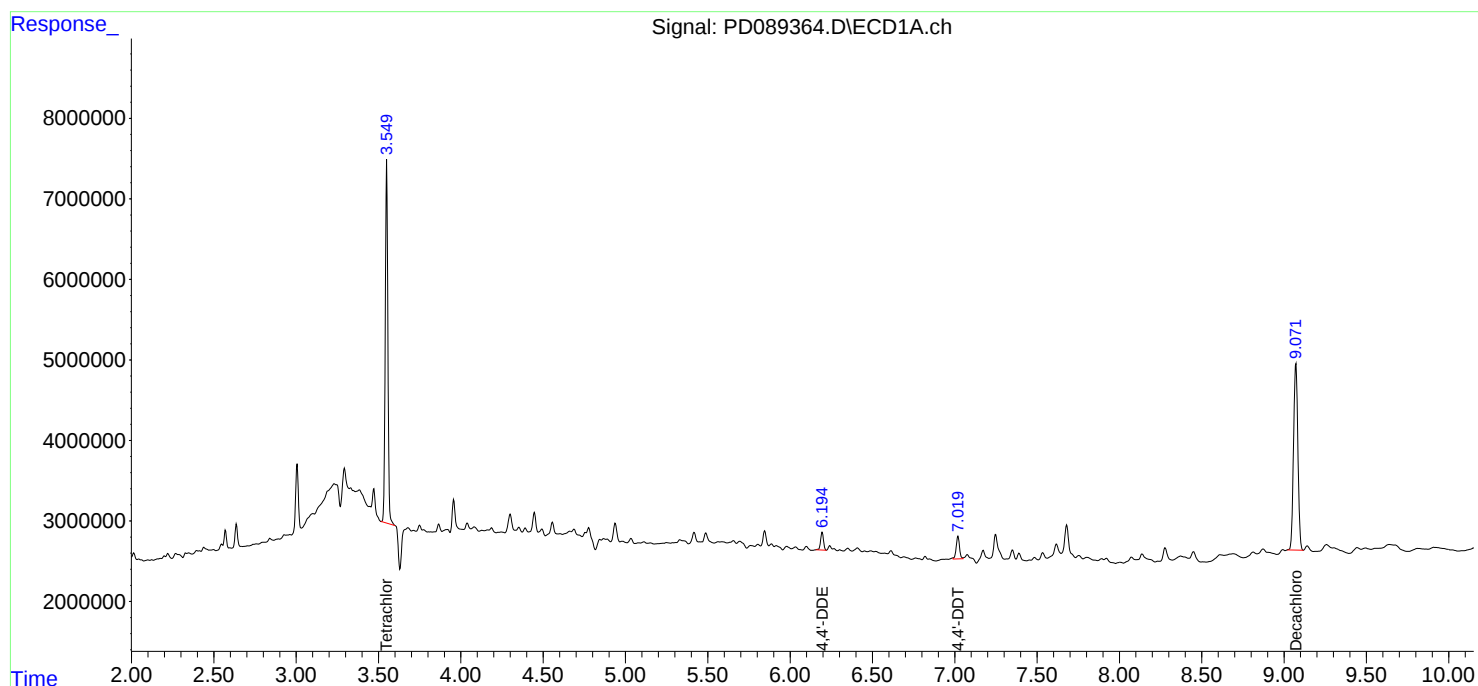
Instrument :
ECD_D
ClientSampleId :
TP-94

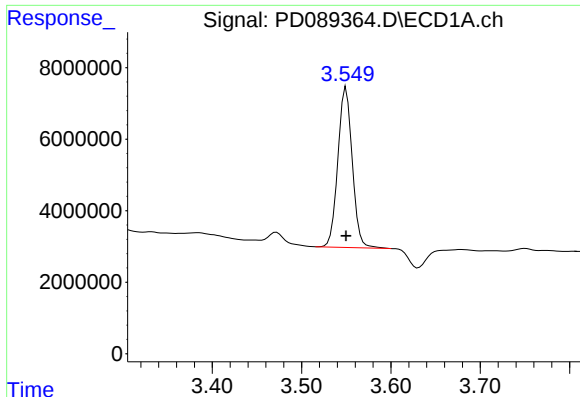
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:27:04 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





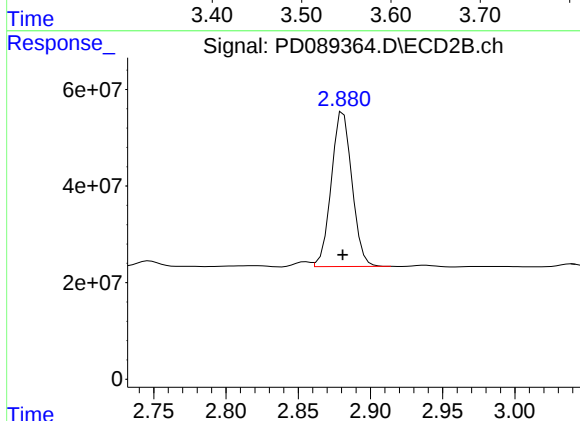
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
 Delta R.T.: 0.000 min
 Response: 49995277
 Conc: 17.52 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 TP-94

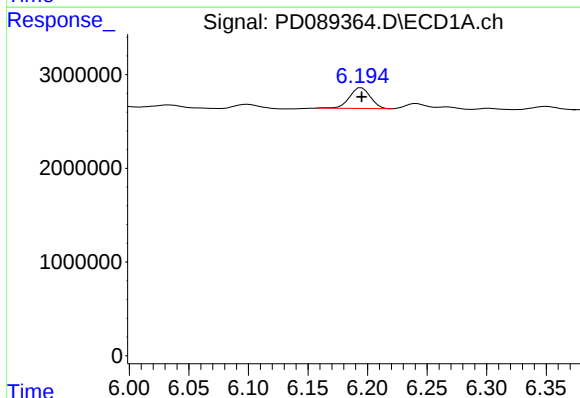
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025



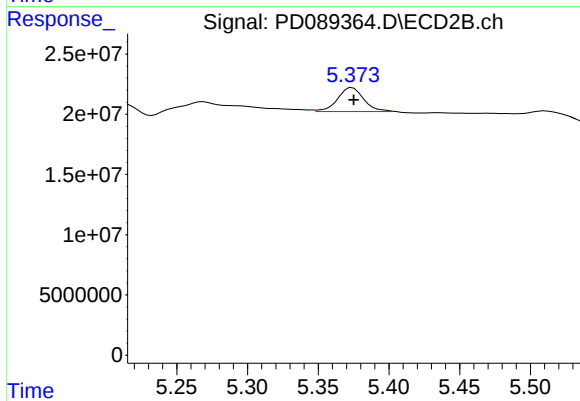
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
 Delta R.T.: 0.000 min
 Response: 317605989
 Conc: 18.73 ng/ml m



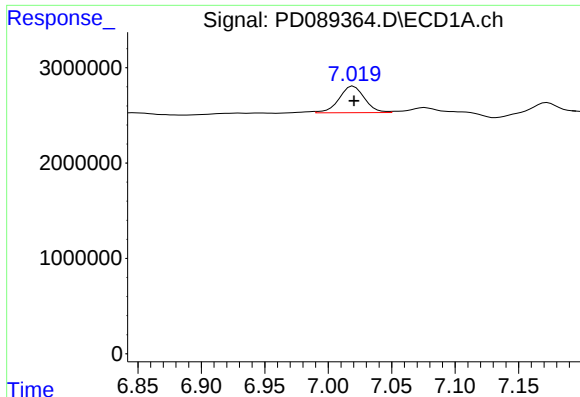
#12 4,4'-DDE

R.T.: 6.195 min
 Delta R.T.: 0.000 min
 Response: 2716260
 Conc: 0.62 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
 Delta R.T.: -0.002 min
 Response: 25523146
 Conc: 1.11 ng/ml m



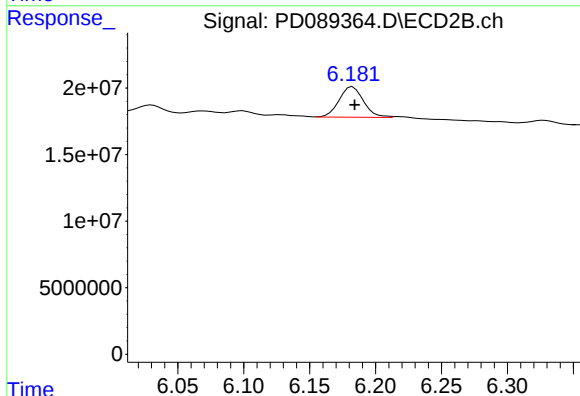
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.002 min
Response: 3907177
Conc: 1.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-94

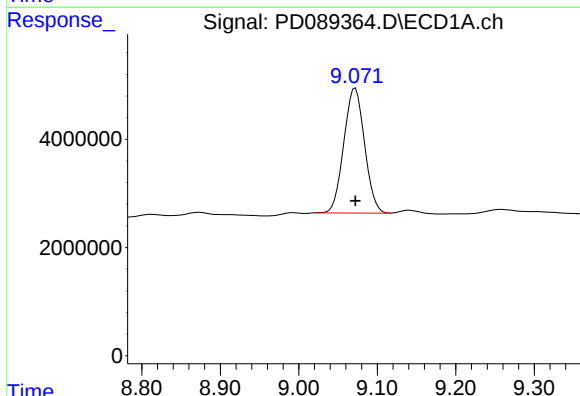
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



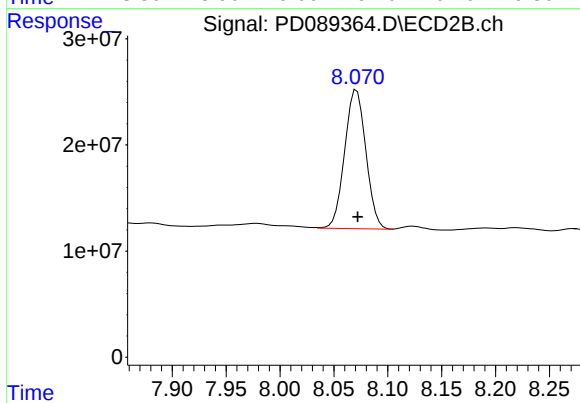
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 29701975
Conc: 1.46 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 42442861
Conc: 10.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 179981281
Conc: 9.10 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089365.D	1	07/07/25 08:30	07/07/25 19:04	PB168736

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	0.34	U	0.34	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	0.33	J	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	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	6.30	U	6.30	38.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.21		20 - 144	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.2		19 - 148	61%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089365.D	1	07/07/25 08:30	07/07/25 19:04	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089365.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 19:04
 Operator : AR\AJ
 Sample : Q2514-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-96

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:27:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	31335331	206.1E6	10.983	12.159
28) SA Decachlor...	9.072	8.071	32233203	144.0E6	8.207	7.285
Target Compounds						
17) MA 4,4'-DDT	7.019	6.181	2329631	17258141	0.615	0.851 #

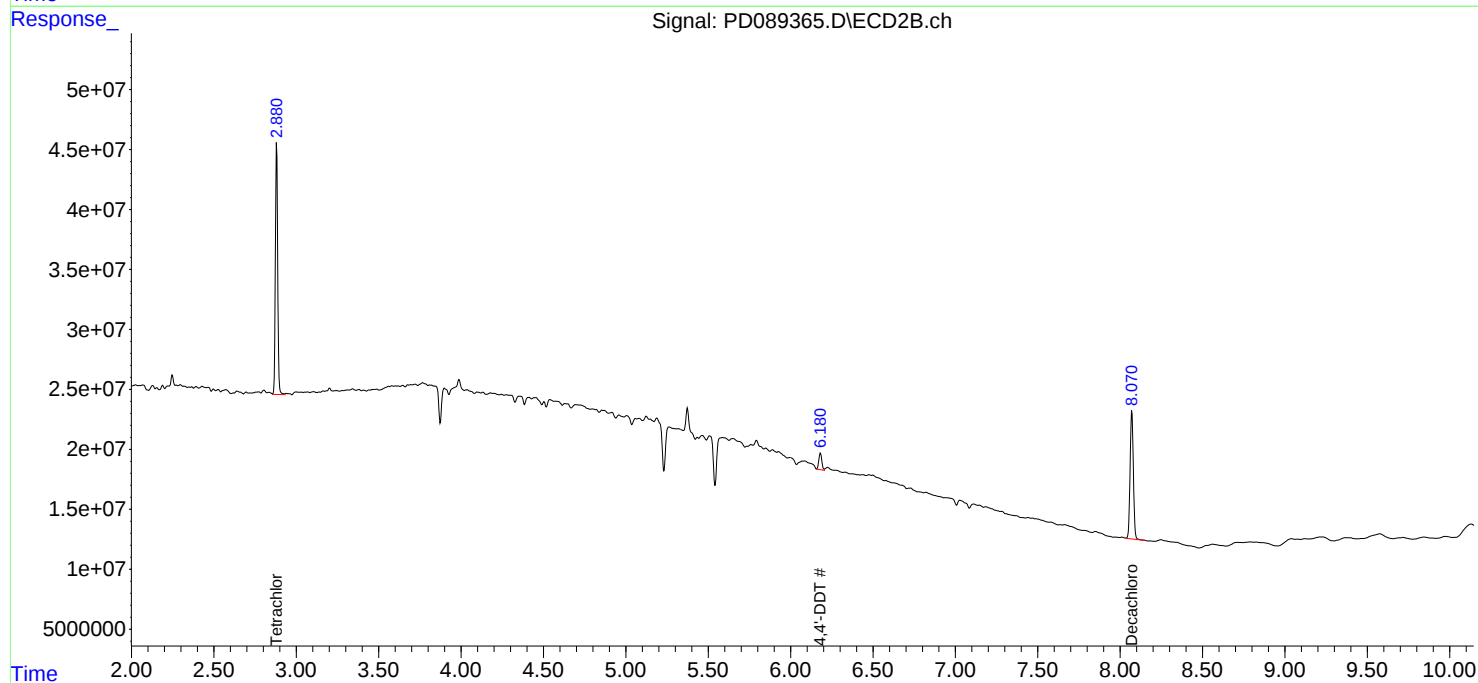
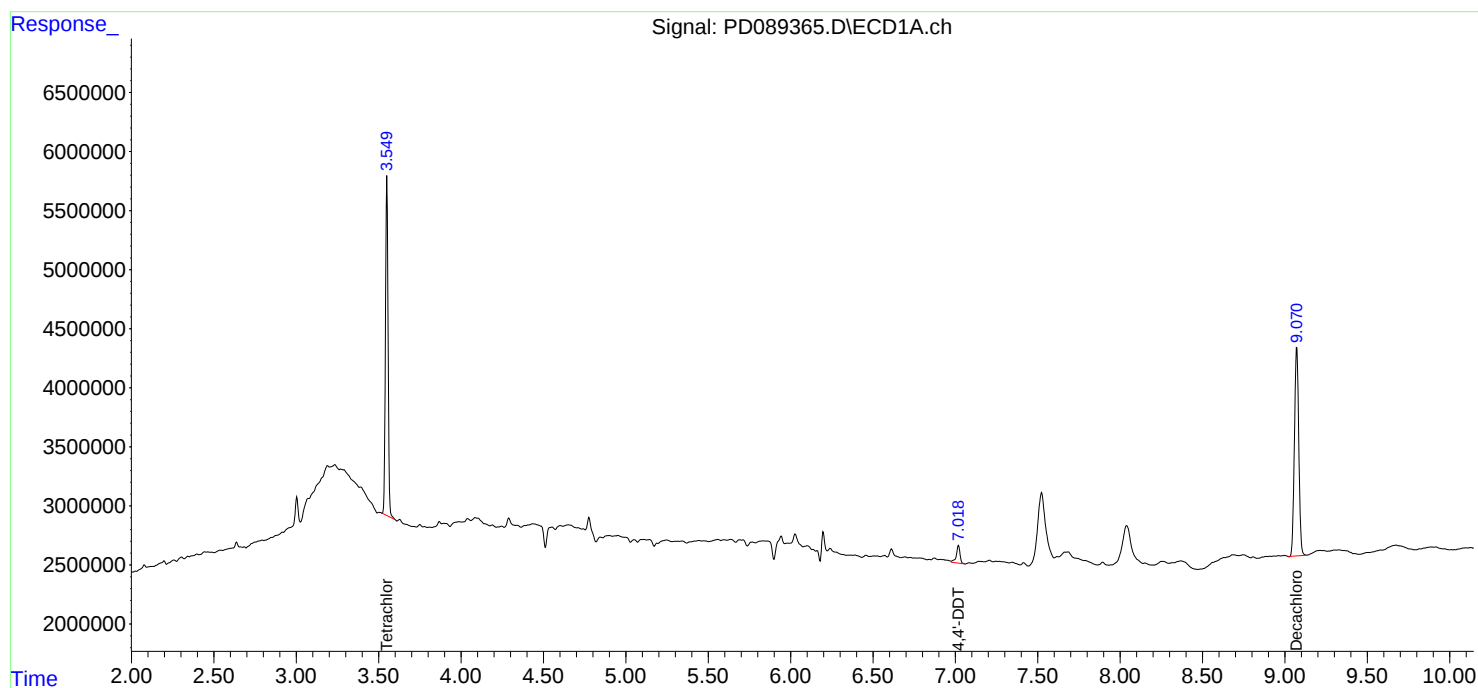
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 19:04
Operator : AR\AJ
Sample : Q2514-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

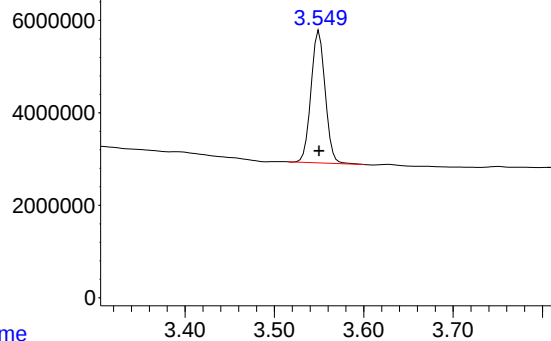
Instrument :
ECD_D
ClientSampleId :
TP-96

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:27:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PD089365.D\ECD1A.ch

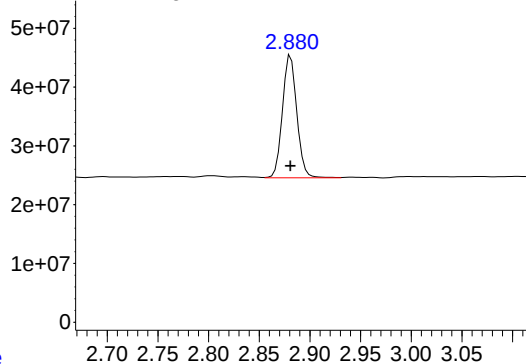


#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 31335331
Conc: 10.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-96

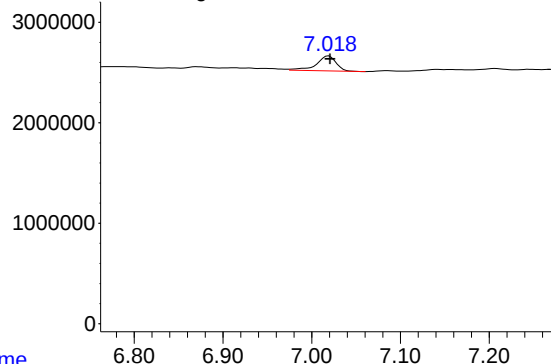
Time Response_ Signal: PD089365.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 206125644
Conc: 12.16 ng/ml

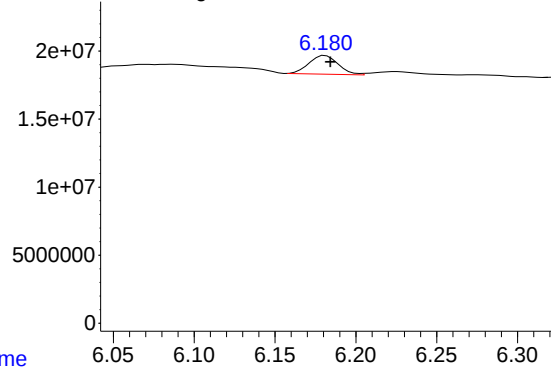
Time Response_ Signal: PD089365.D\ECD1A.ch



#17 4,4'-DDT

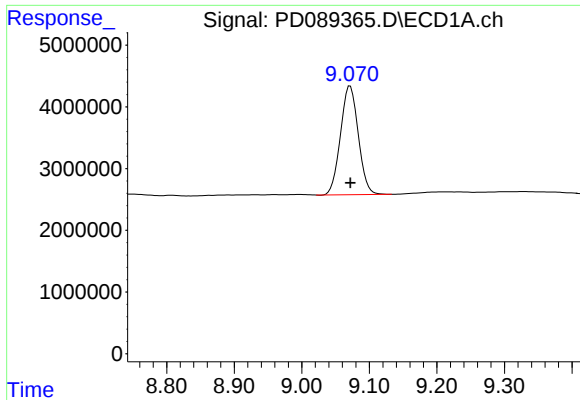
R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 2329631
Conc: 0.61 ng/ml

Time Response_ Signal: PD089365.D\ECD2B.ch



#17 4,4'-DDT

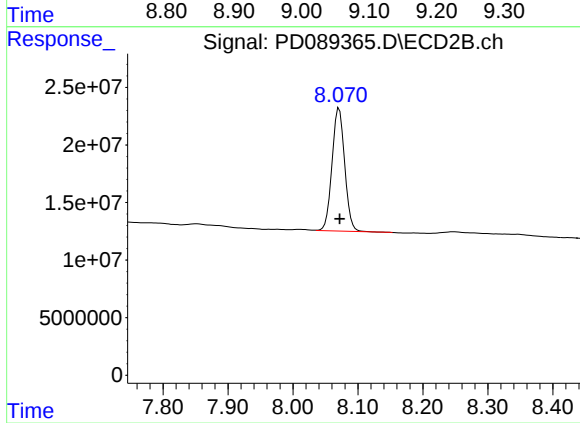
R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 17258141
Conc: 0.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 32233203
Conc: 8.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-96



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 144031847
Conc: 7.29 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089366.D	1	07/07/25 08:30	07/07/25 19:18	PB168736

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	0.46	U	0.46	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	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.27	J	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	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	6.40	U	6.40	38.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.0		19 - 148	85%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089366.D	1	07/07/25 08:30	07/07/25 19:18	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089366.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 19:18
 Operator : AR\AJ
 Sample : Q2514-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-97

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:27:29 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	43843909	287.9E6	15.367	16.980m
28) SA Decachlor...	9.072	8.071	51612831	192.7E6	13.141m	9.750 #
Target Compounds						
17) MA 4,4'-DDT	7.021	6.183	1181297	14058616	0.312	0.693 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 19:18
Operator : AR\AJ
Sample : Q2514-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

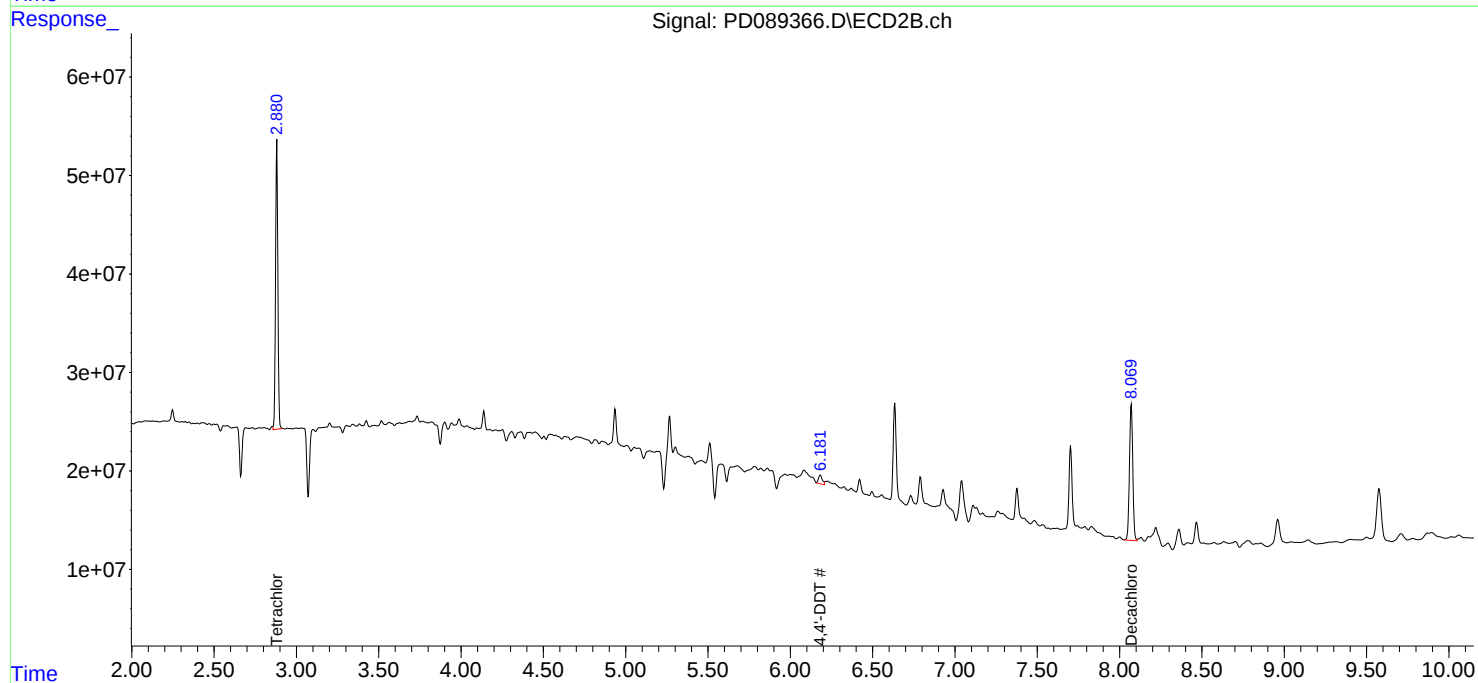
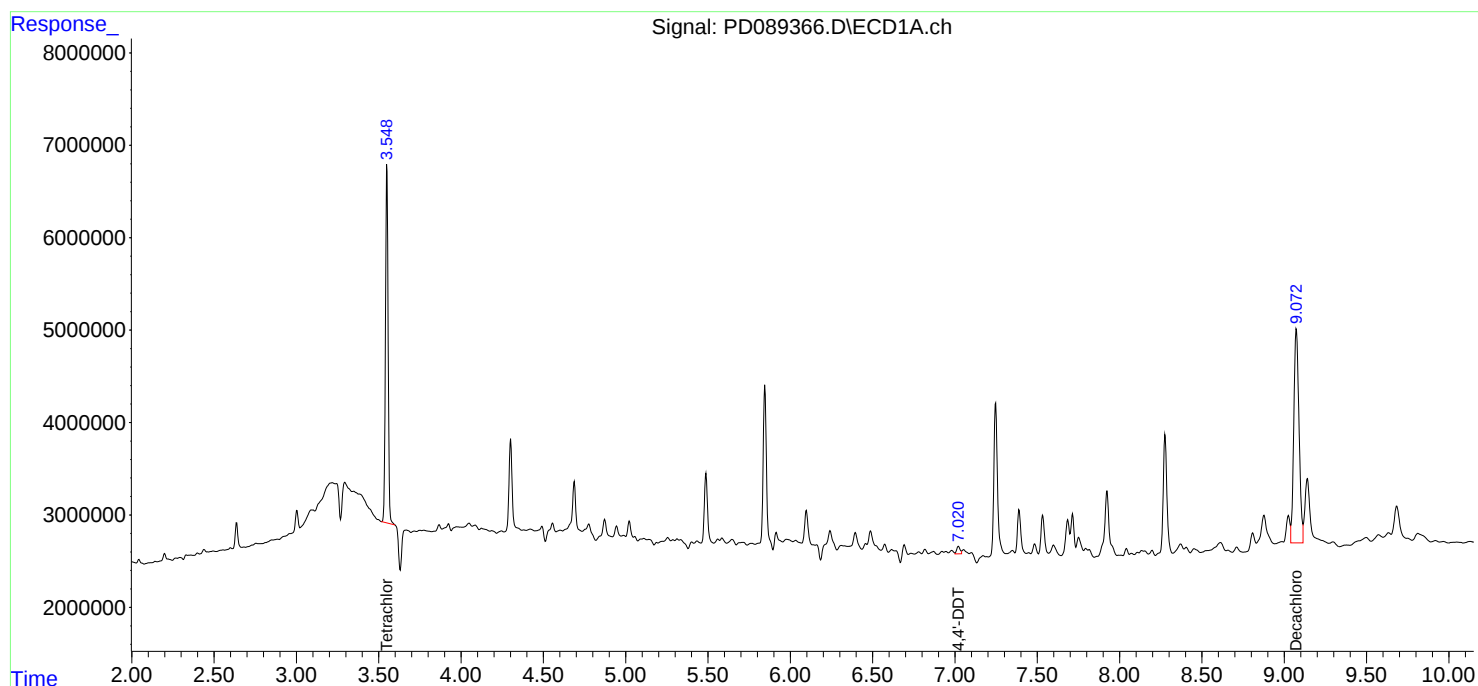
Instrument :
ECD_D
ClientSampleId :
TP-97

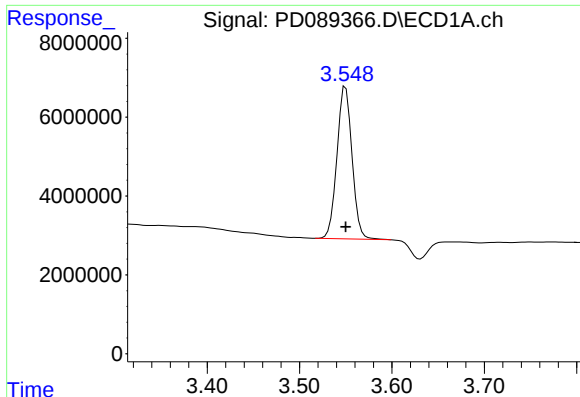
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:27:29 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





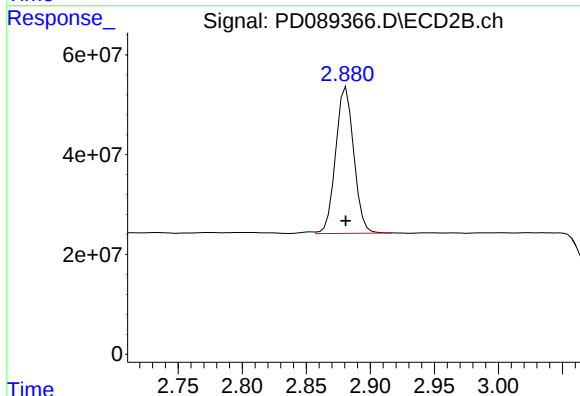
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 43843909
Conc: 15.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-97

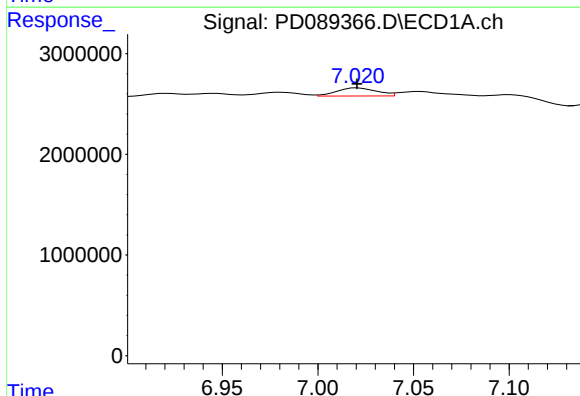
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



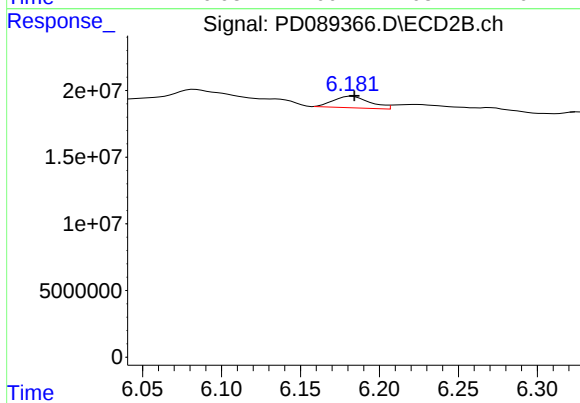
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 287858541
Conc: 16.98 ng/ml m



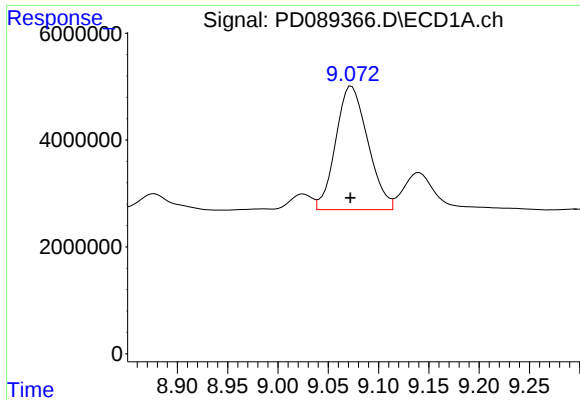
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 1181297
Conc: 0.31 ng/ml



#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.002 min
Response: 14058616
Conc: 0.69 ng/ml



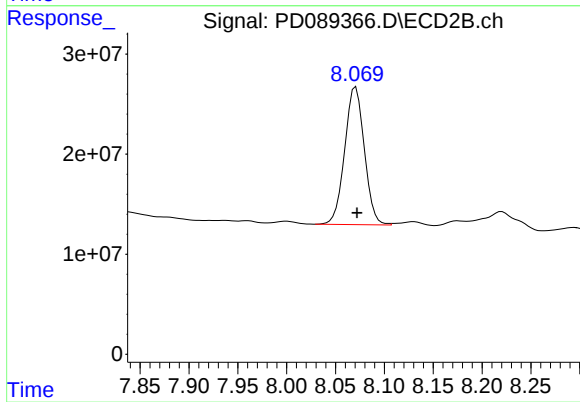
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 51612831
Conc: 13.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-97

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 192749480
Conc: 9.75 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.5
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089370.D	1	07/07/25 08:30	07/07/25 20:41	PB168736

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	38.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.4		20 - 144	57%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		19 - 148	91%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.5 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
PD089370.D	1	07/07/25 08:30	07/07/25 20:41	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 20:41
Operator : AR\AJ
Sample : Q2514-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-103

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:28:39 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	2.880	51695045	304.7E6	18.119	17.974m
2) SA Decachlor...	9.069	8.070	44708455	208.1E6	11.383m	10.528m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 20:41
Operator : AR\AJ
Sample : Q2514-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

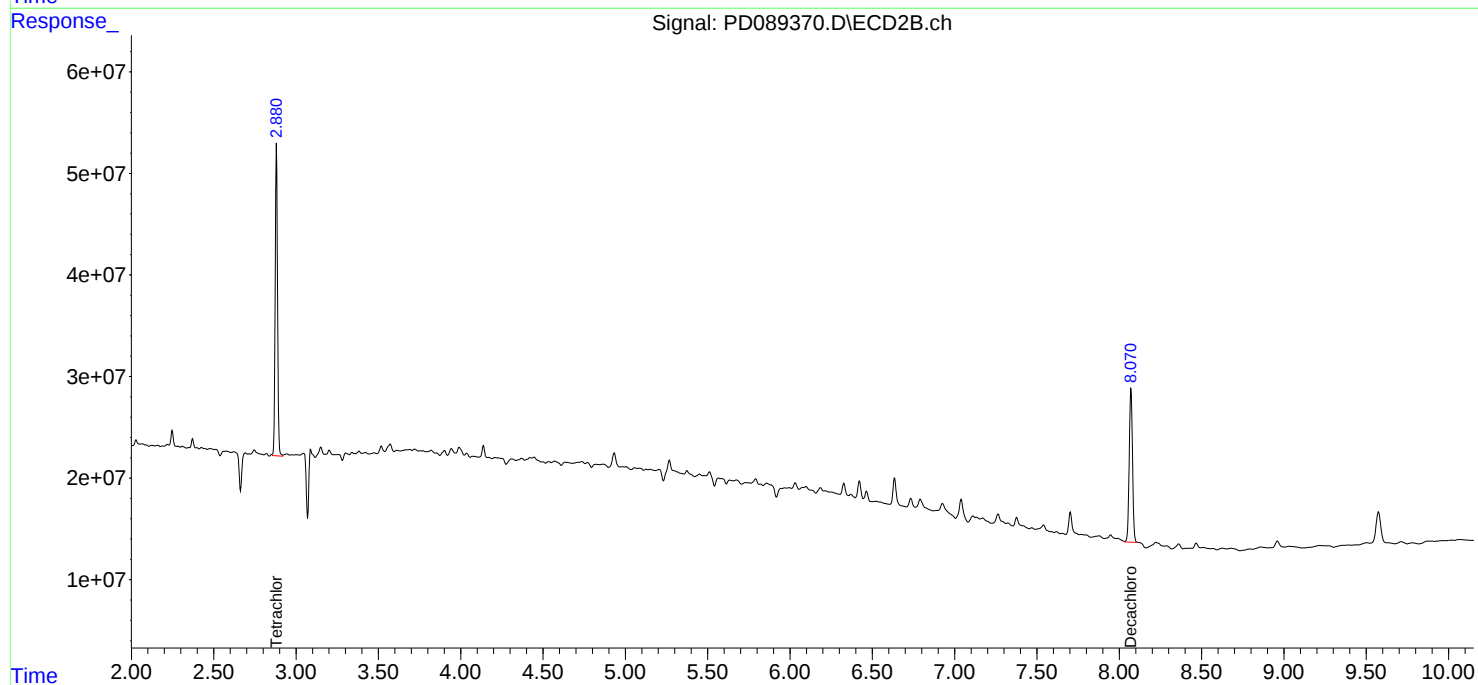
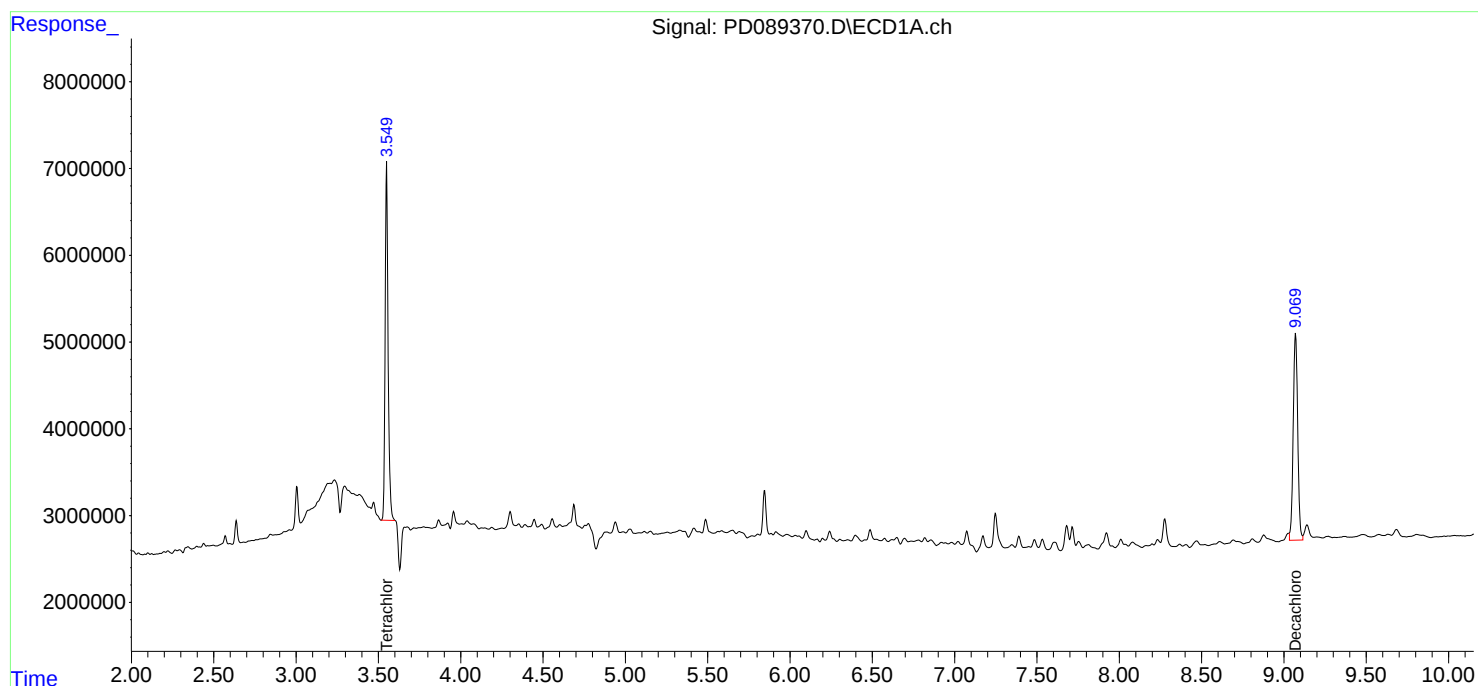
Instrument :
ECD_D
ClientSampleId :
TP-103

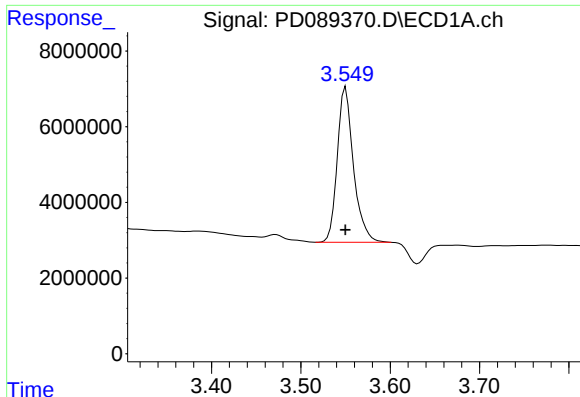
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:28:39 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





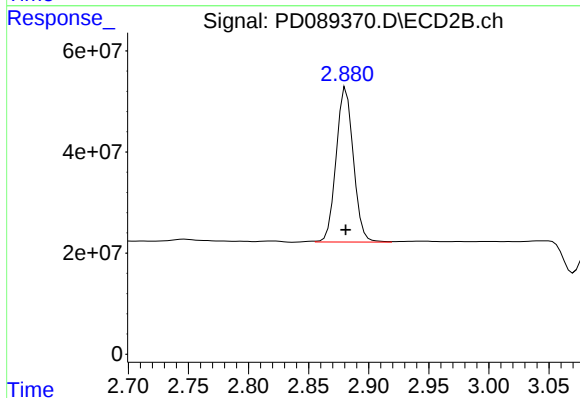
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 51695045
Conc: 18.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-103

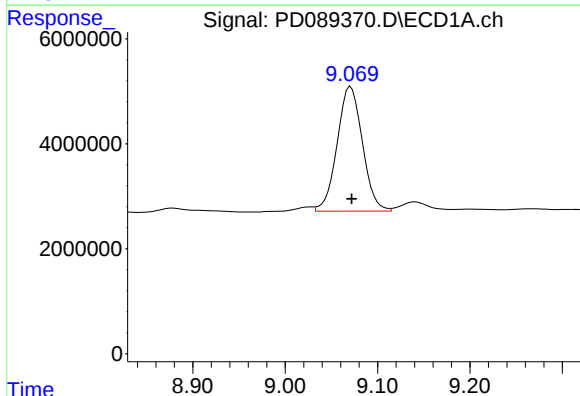
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



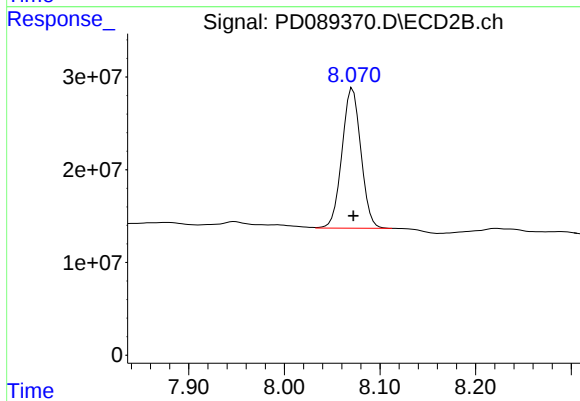
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 304715958
Conc: 17.97 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 44708455
Conc: 11.38 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 208147010
Conc: 10.53 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089371.D	1	07/07/25 08:30	07/07/25 20:54	PB168736

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	36.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		19 - 148	93%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	10000
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089371.D	1	07/07/25 08:30	07/07/25 20:54	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 20:54
Operator : AR\AJ
Sample : Q2514-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-36

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:28:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.880	48251542	316.8E6	16.912	18.689m
28)	SA Decachlor...	9.071	8.071	51445012	247.1E6	13.098	12.499

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 20:54
Operator : AR\AJ
Sample : Q2514-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

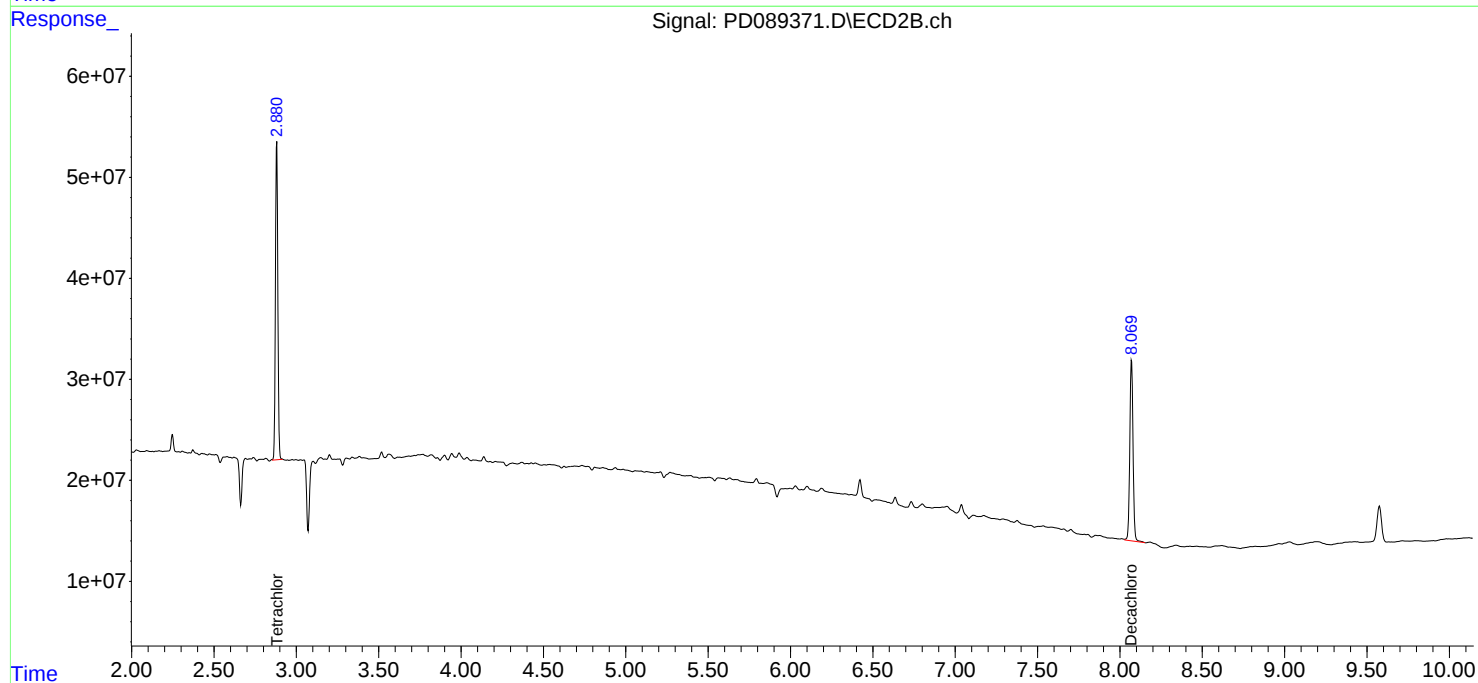
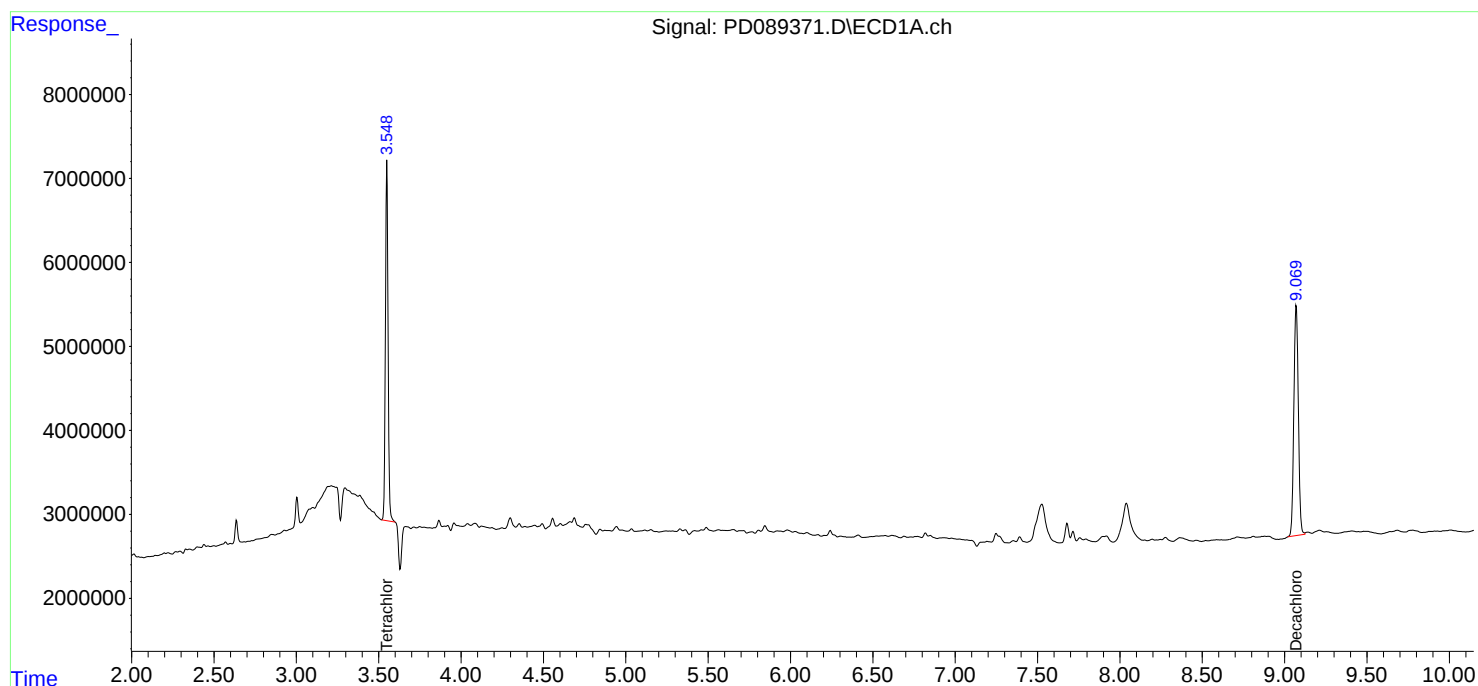
Instrument :
ECD_D
ClientSampleId :
TP-36

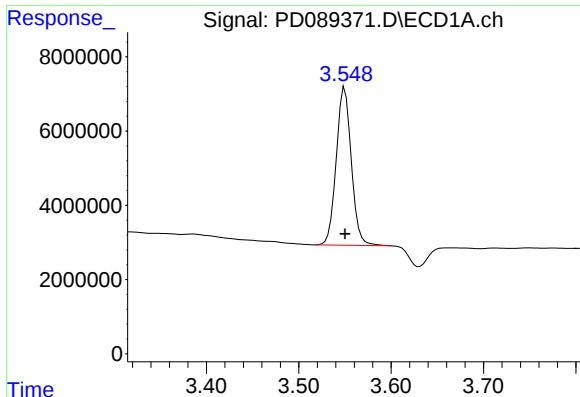
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:28:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





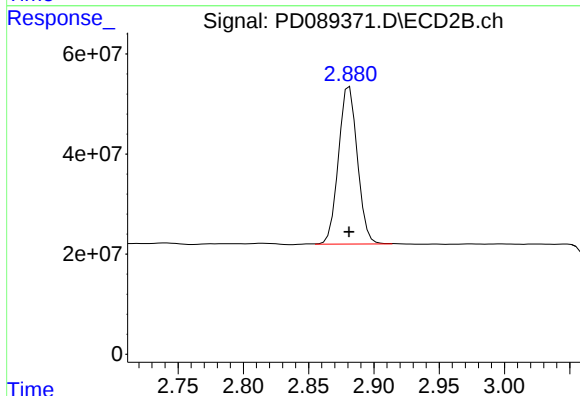
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 48251542
Conc: 16.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-36

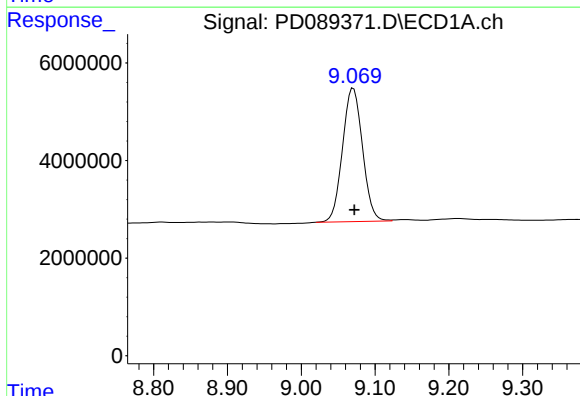
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



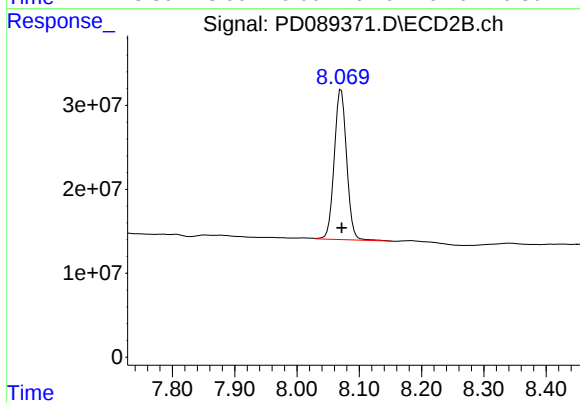
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 316841633
Conc: 18.69 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 51445012
Conc: 13.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 247112393
Conc: 12.50 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089372.D	1	07/07/25 08:30	07/07/25 21:08	PB168736

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	0.34	U	0.34	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	6.30	U	6.30	38.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.06		20 - 144	45%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	07/03/25	
Project:	South River WM Replacement		Date Received:	07/03/25	
Client Sample ID:	TP-78		SDG No.:	Q2514	
Lab Sample ID:	Q2514-08		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	86.3	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089372.D	1	07/07/25 08:30	07/07/25 21:08	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:08
Operator : AR\AJ
Sample : Q2514-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-78

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:29:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.880	42487147	282.1E6	14.891	16.641m
2) SA Decachlor...	9.071	8.070	35601465	176.6E6	9.064	8.934

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:08
Operator : AR\AJ
Sample : Q2514-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

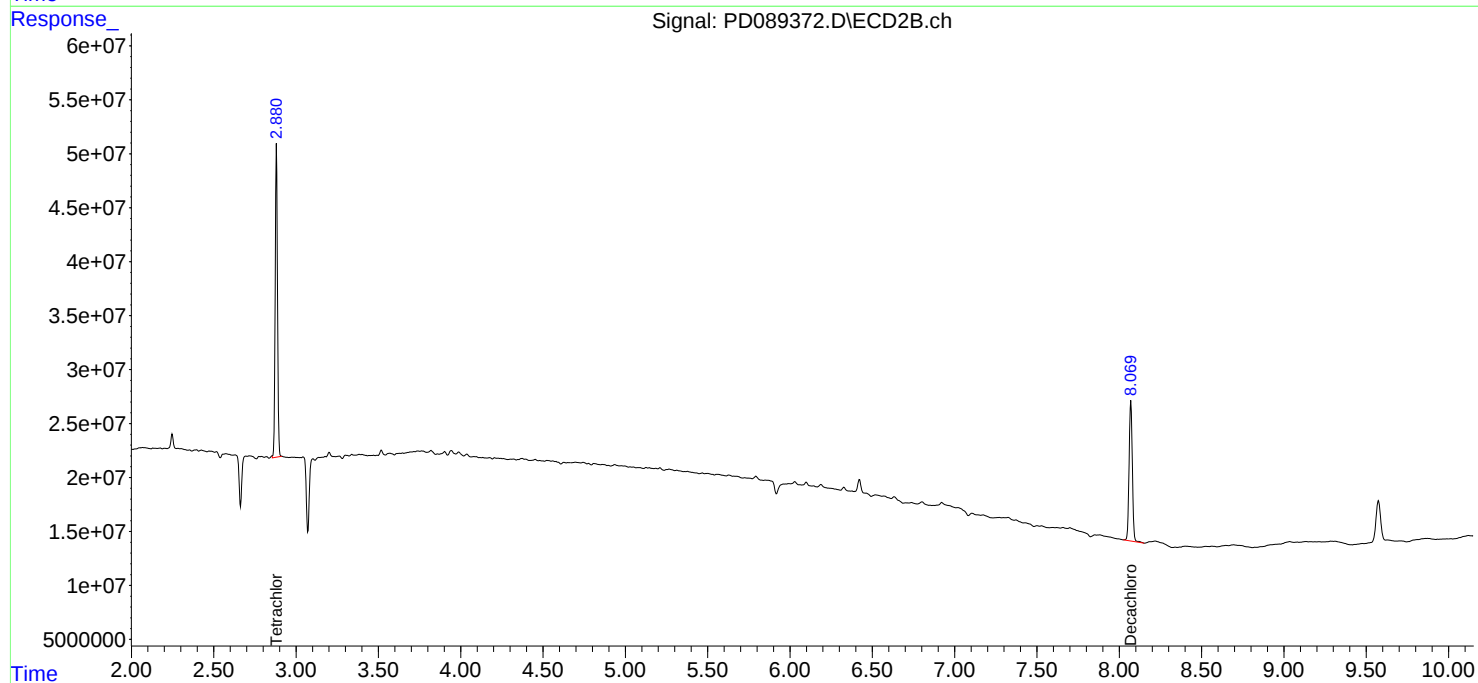
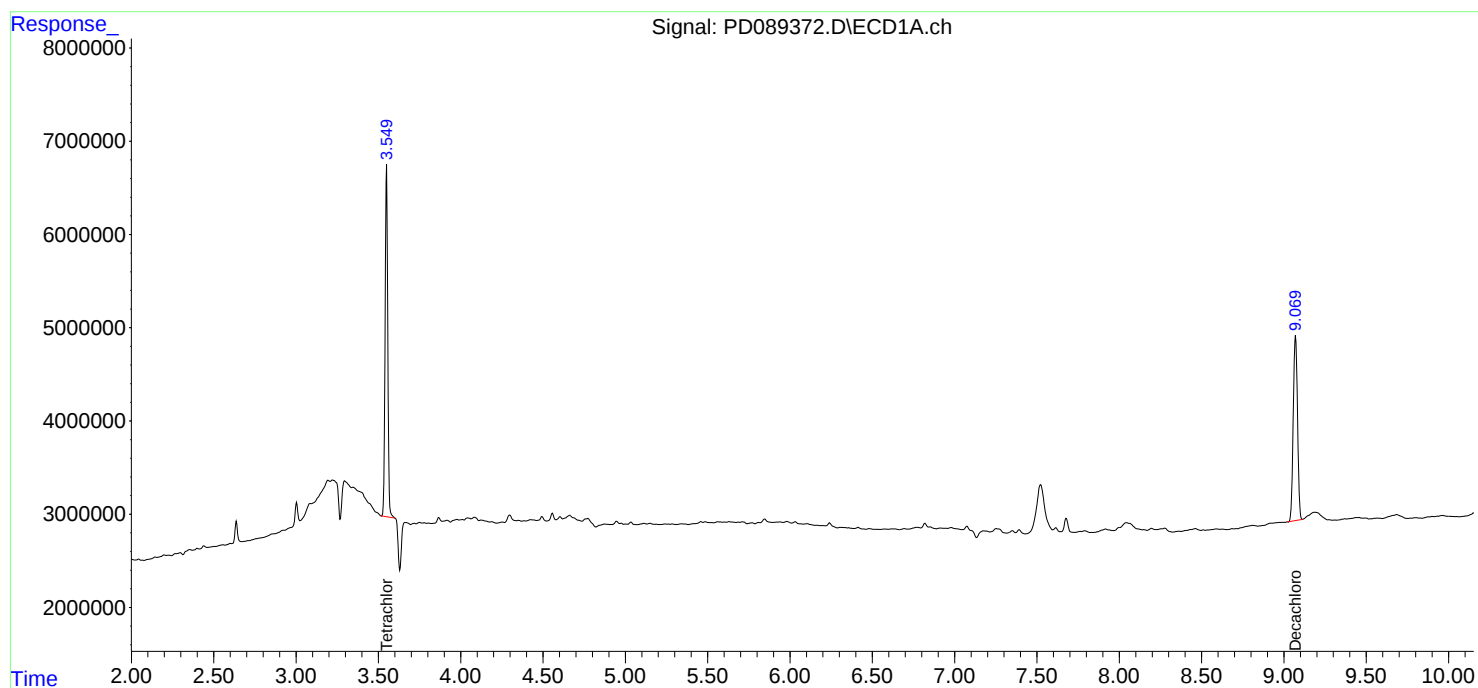
Instrument :
ECD_D
ClientSampleId :
TP-78

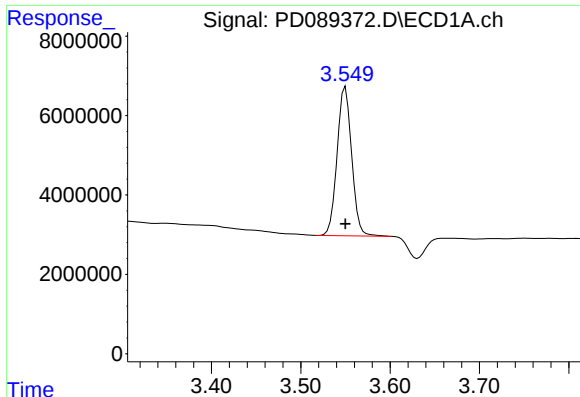
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:29:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





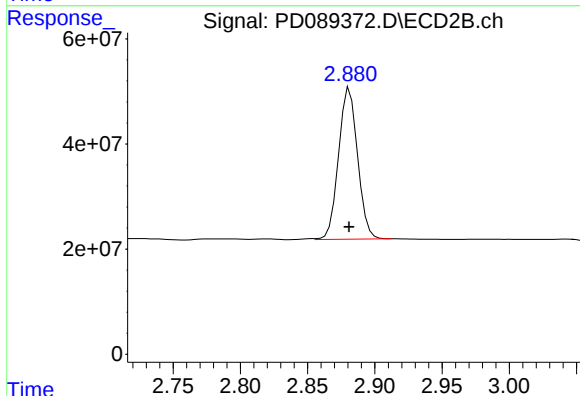
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 42487147
Conc: 14.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-78

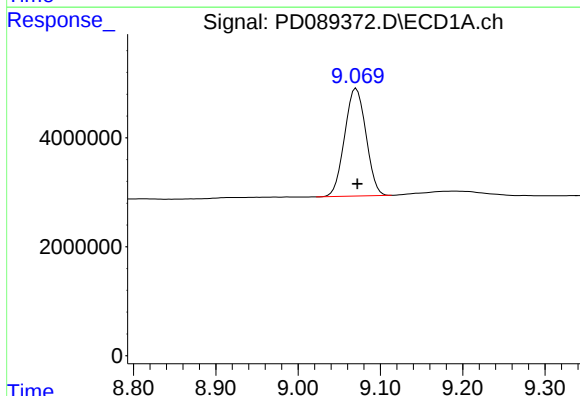
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



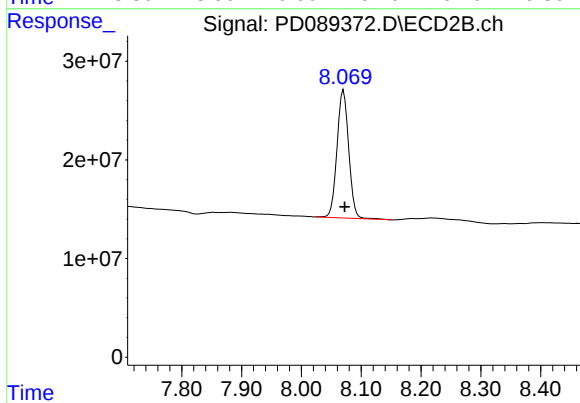
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 282121304
Conc: 16.64 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 35601465
Conc: 9.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 176616155
Conc: 8.93 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089373.D	1	07/07/25 08:30	07/07/25 21:22	PB168736

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	0.34	U	0.34	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	6.30	U	6.30	38.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.25		20 - 144	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.7		19 - 148	84%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089373.D	1	07/07/25 08:30	07/07/25 21:22	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:22
Operator : AR\AJ
Sample : Q2514-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-81

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:29:12 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.880	43365310	283.8E6	15.199	16.739m
28)	SA Decachlor...	9.070	8.071	32413386	152.9E6	8.253	7.735

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:22
Operator : AR\AJ
Sample : Q2514-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

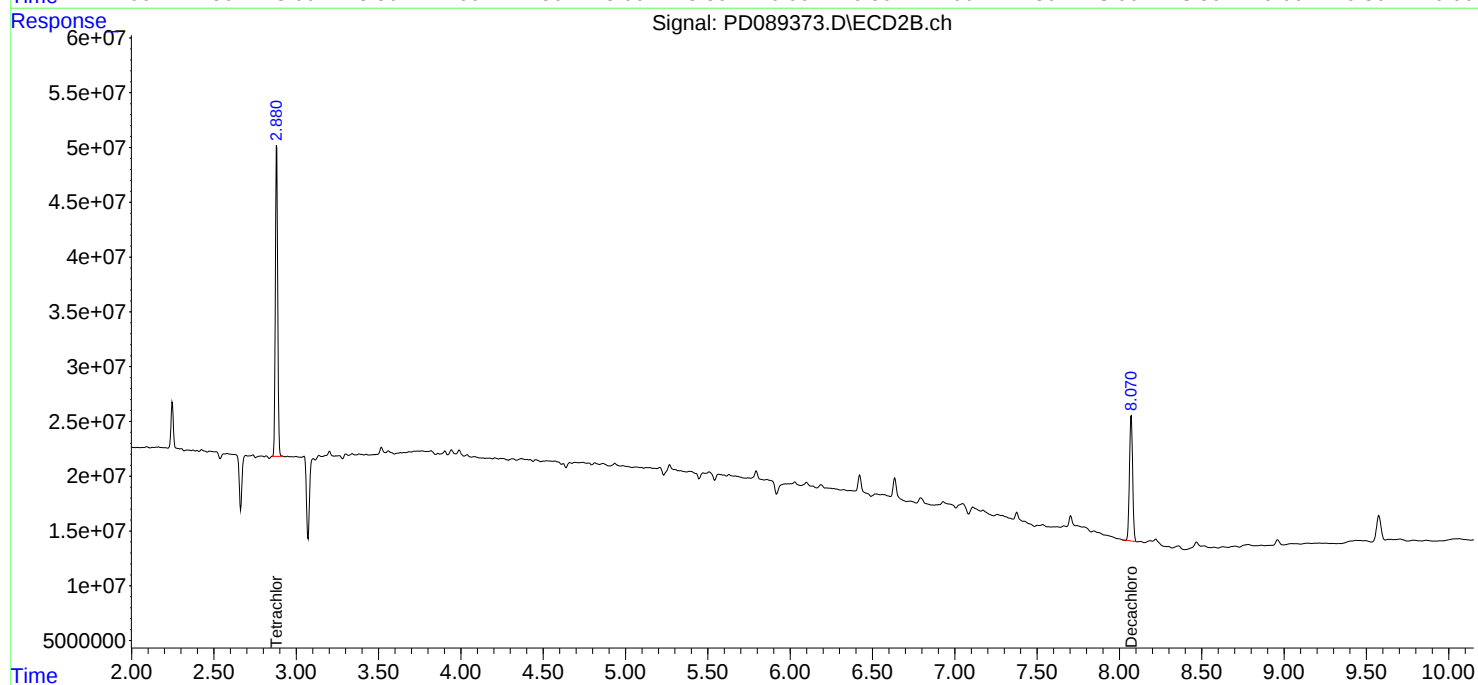
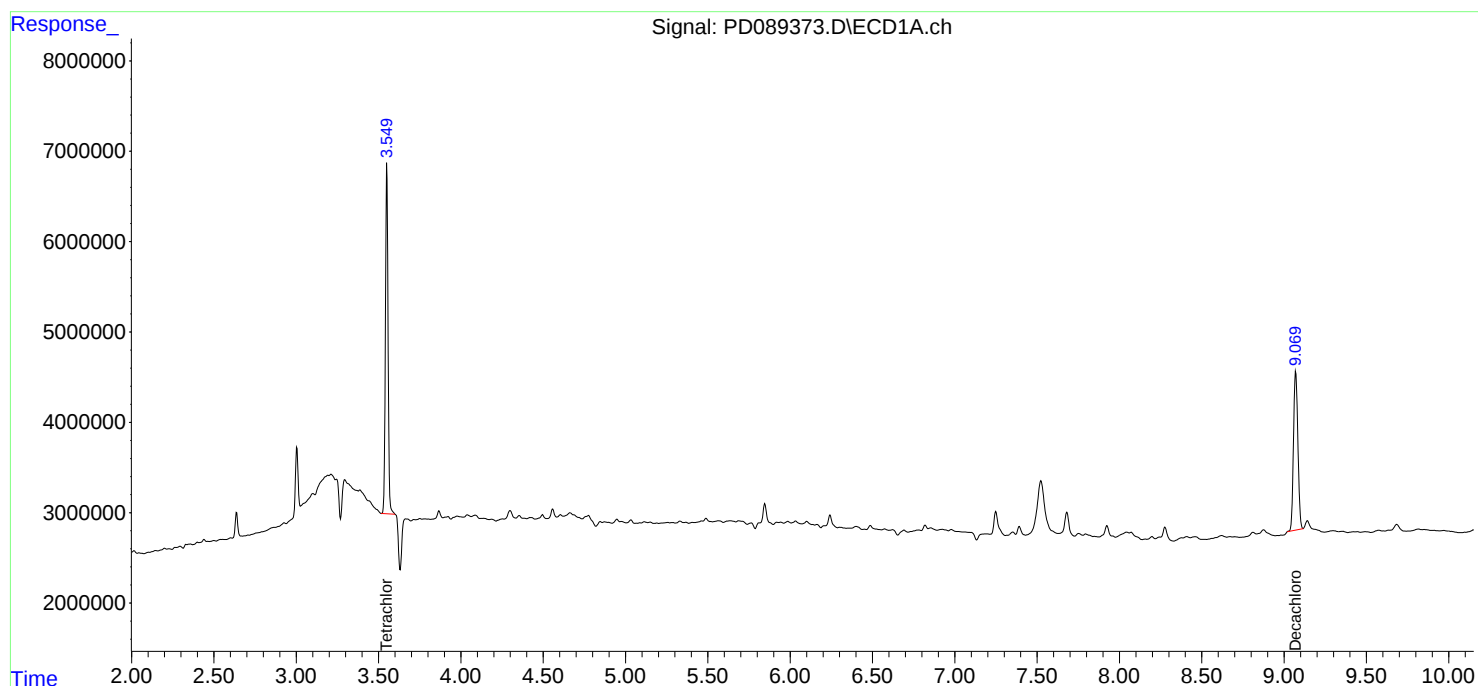
Instrument :
ECD_D
ClientSampleId :
TP-81

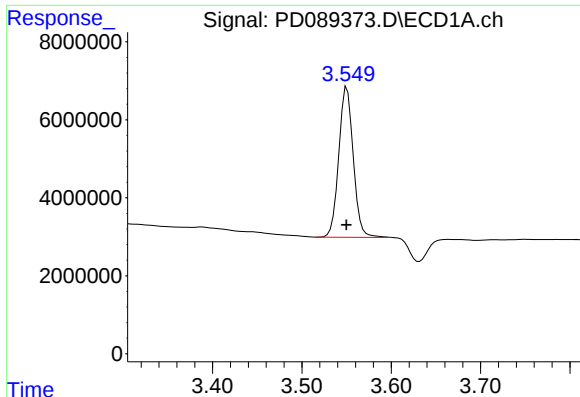
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:29:12 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





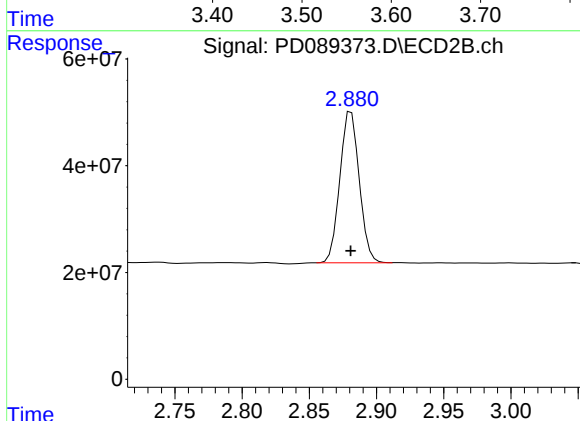
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 43365310
Conc: 15.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-81

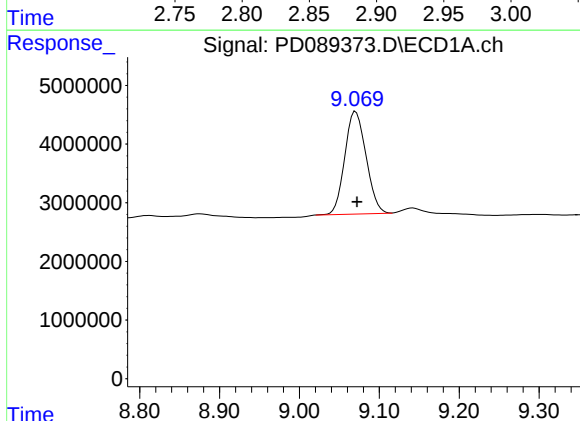
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



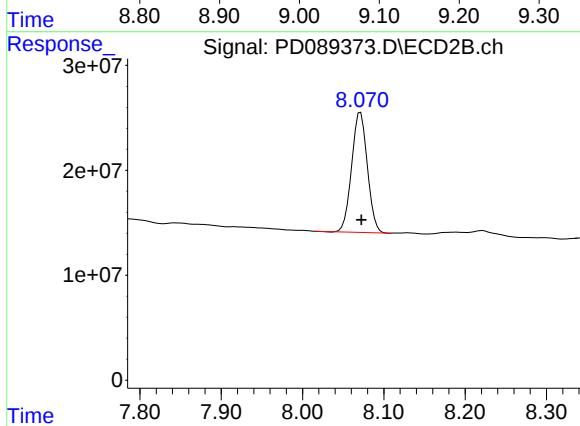
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 283775364
Conc: 16.74 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.001 min
Response: 32413386
Conc: 8.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 152911691
Conc: 7.73 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089374.D	1	07/07/25 08:30	07/07/25 21:35	PB168736

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	36.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.9		20 - 144	55%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.6		19 - 148	68%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089374.D	1	07/07/25 08:30	07/07/25 21:35	PB168736

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\PD070725\
 Data File : PD089374.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 21:35
 Operator : AR\AJ
 Sample : Q2514-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-90

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:29:25 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	34351833	230.4E6	12.040	13.593
28)	SA Decachlor...	9.071	8.070	43000394	201.2E6	10.948	10.178

Target Compounds

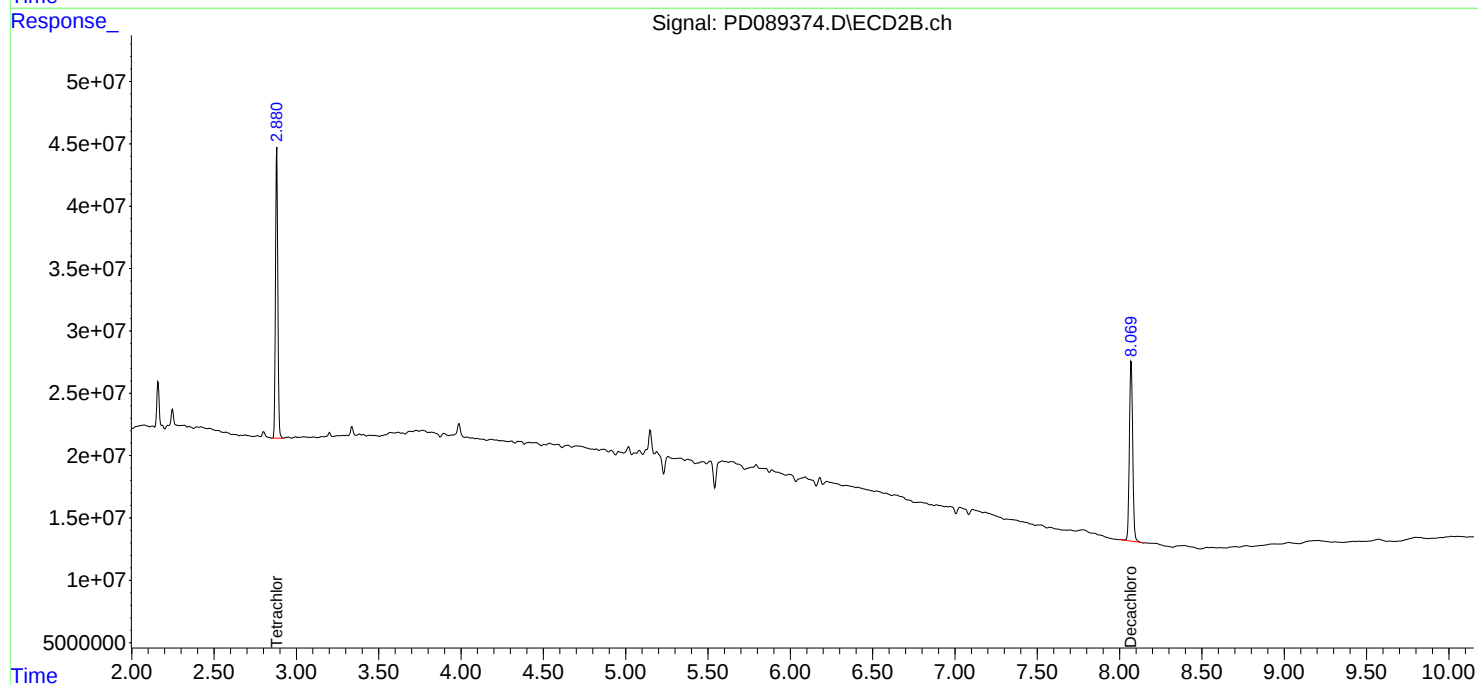
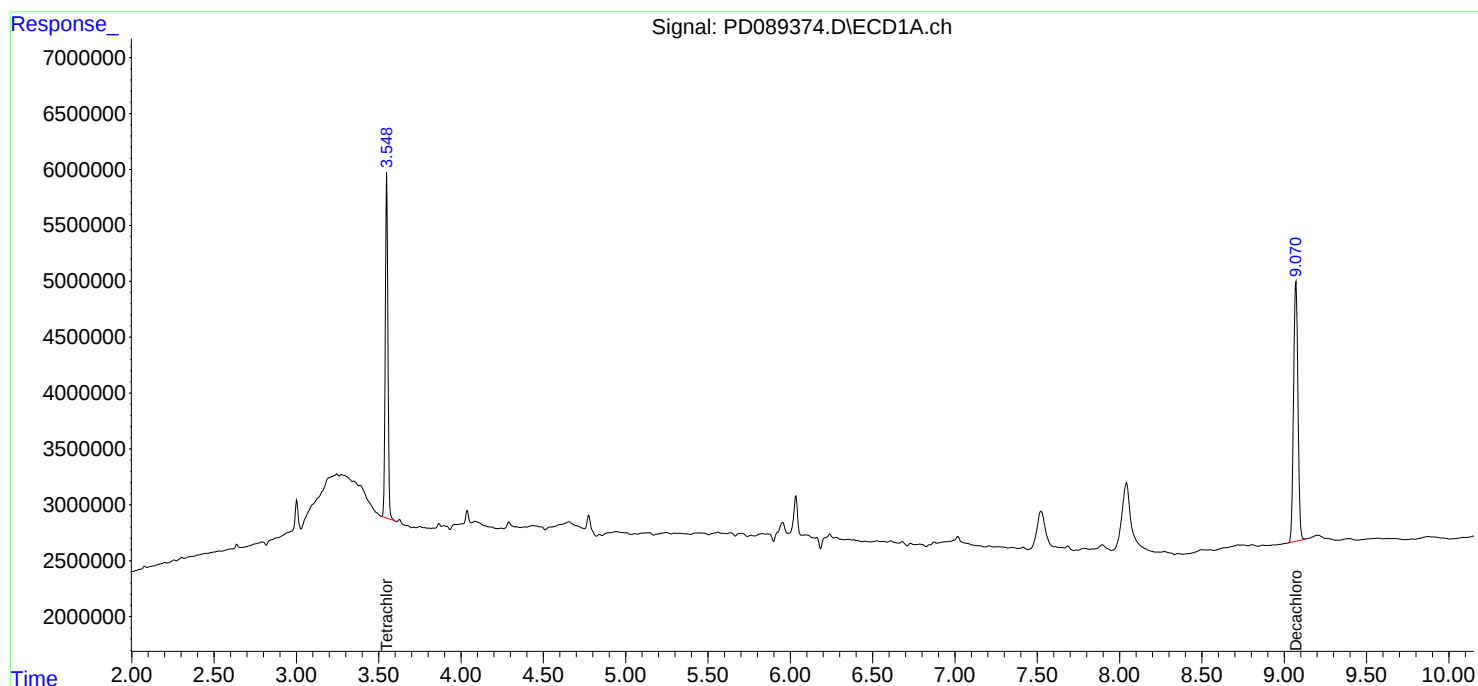
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

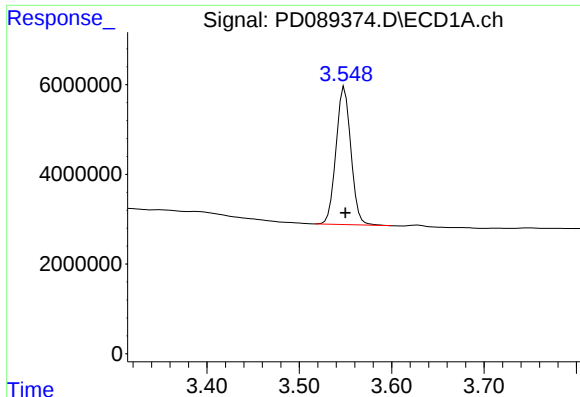
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 21:35
Operator : AR\AJ
Sample : Q2514-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-90

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:29:25 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

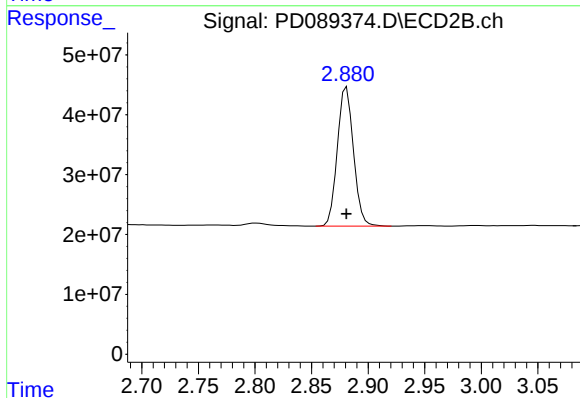




#1 Tetrachloro-m-xylene

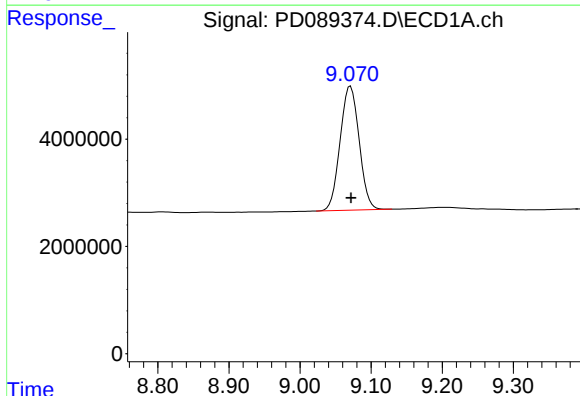
R.T.: 3.549 min
Delta R.T.: -0.001 min
Response: 34351833
Conc: 12.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-90



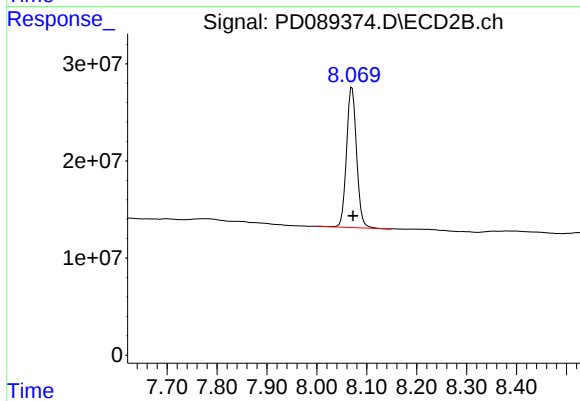
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 230441714
Conc: 13.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 43000394
Conc: 10.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 201223341
Conc: 10.18 ng/ml



CALIBRATION SUMMARY

Calibration Times: 15:52 16:47

LAB FILE ID:	RT 100 =	<u>PD088993.D</u>	RT 075 =	<u>PD088994.D</u>
	RT 050 =	PD088995.D	RT 025 =	PD088996.D
			RT 005 =	PD088997.D

[illegible]

Calibration Times: 15:52 16:47

LAB FILE ID:	RT 100 =	<u>PD088993.D</u>	RT 075 =	<u>PD088994.D</u>
	RT 050 =	PD088995.D	RT 025 =	PD088996.D
			RT 005 =	PD088997.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514

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 =	<u>PD088993.D</u>	CF 075 =	<u>PD088994.D</u>		
CF 050 =		<u>PD088995.D</u>	CF 025 =	<u>PD088996.D</u>	CF 005 =	<u>PD088997.D</u>	
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



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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514

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 =	<u>PD088993.D</u>	CF 075 =	<u>PD088994.D</u>		
CF 050 =		<u>PD088995.D</u>	CF 025 =	<u>PD088996.D</u>	CF 005 =	<u>PD088997.D</u>	
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



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2514
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		CALIBRATION FACTOR
				FROM	TO	
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



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2514
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		CALIBRATION FACTOR
				FROM	TO	
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

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

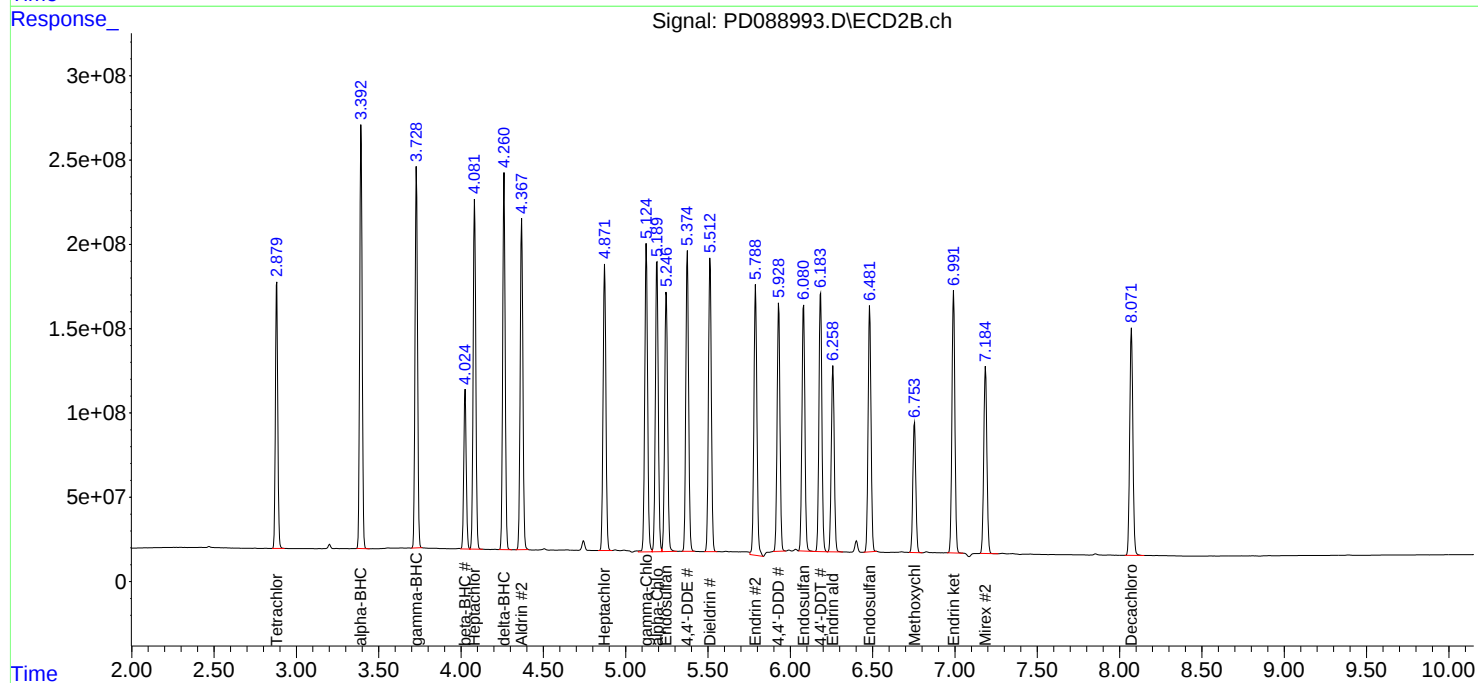
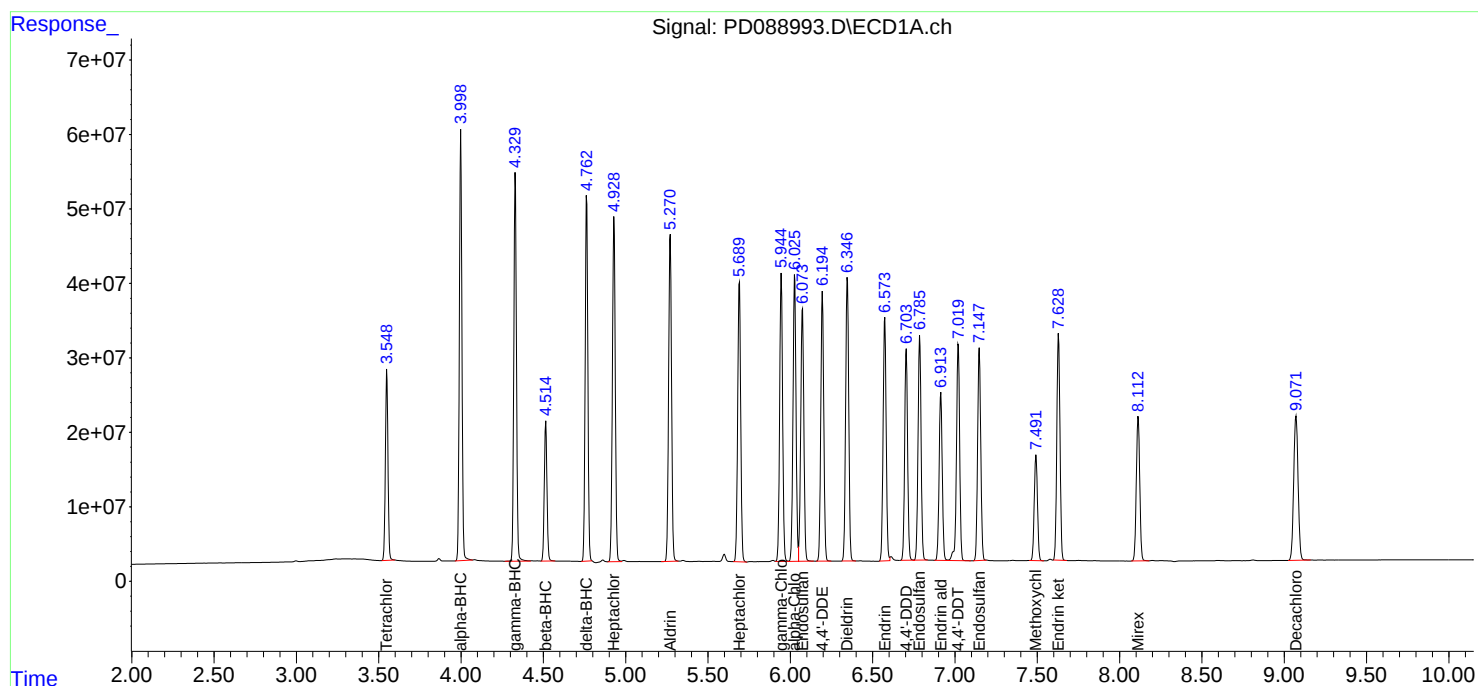
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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



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
2)	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

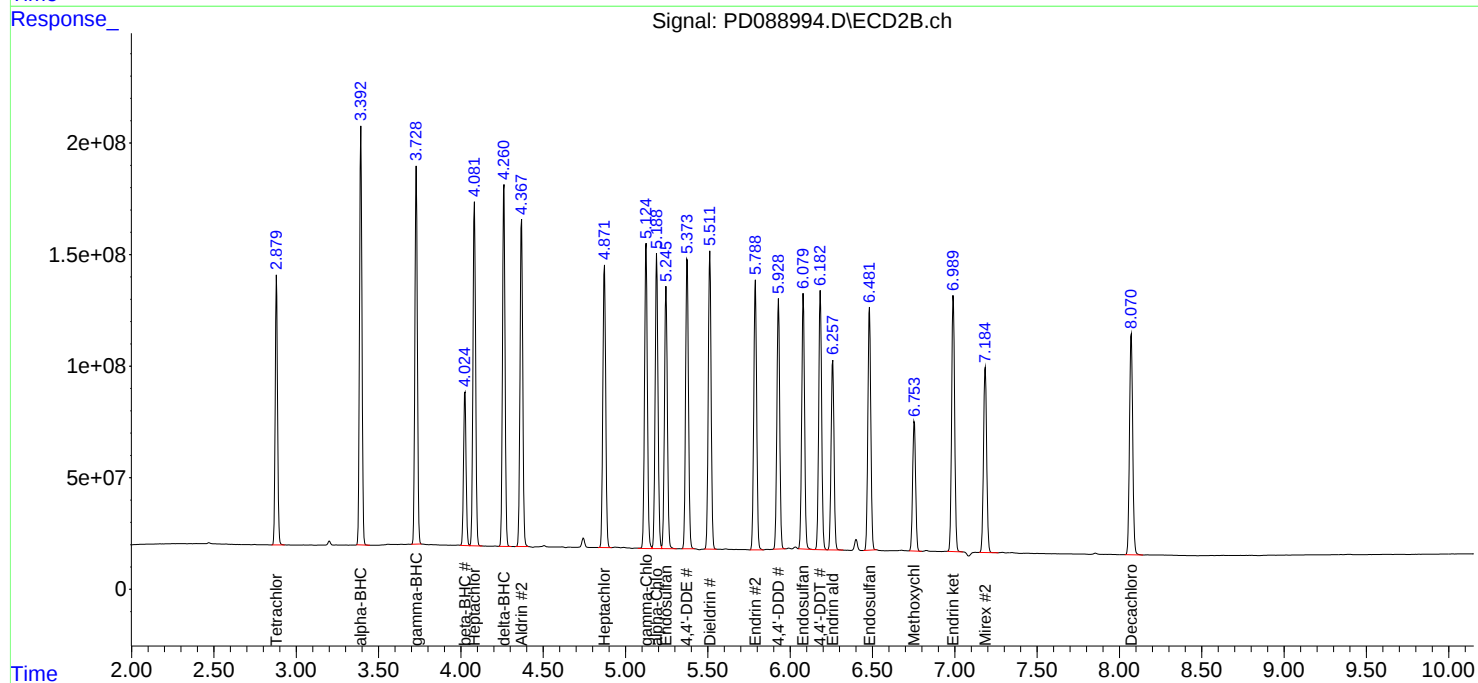
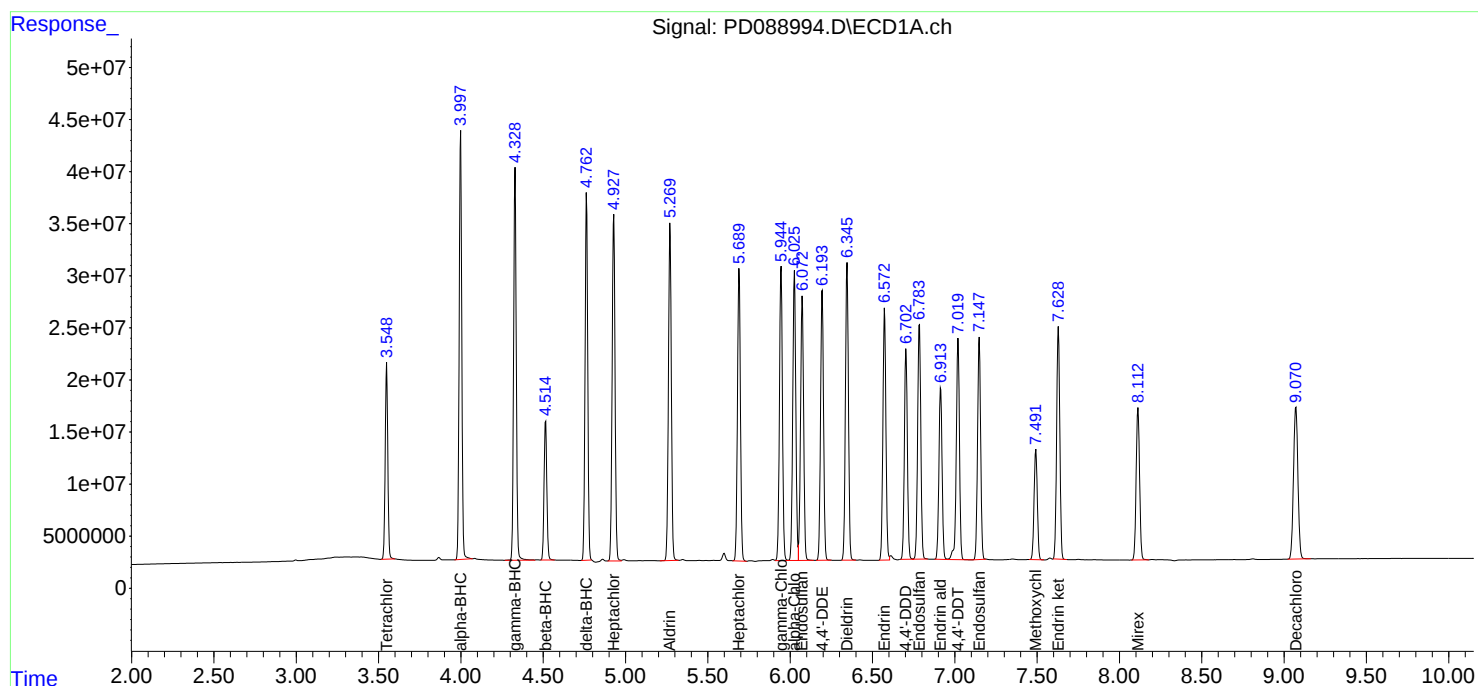
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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



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

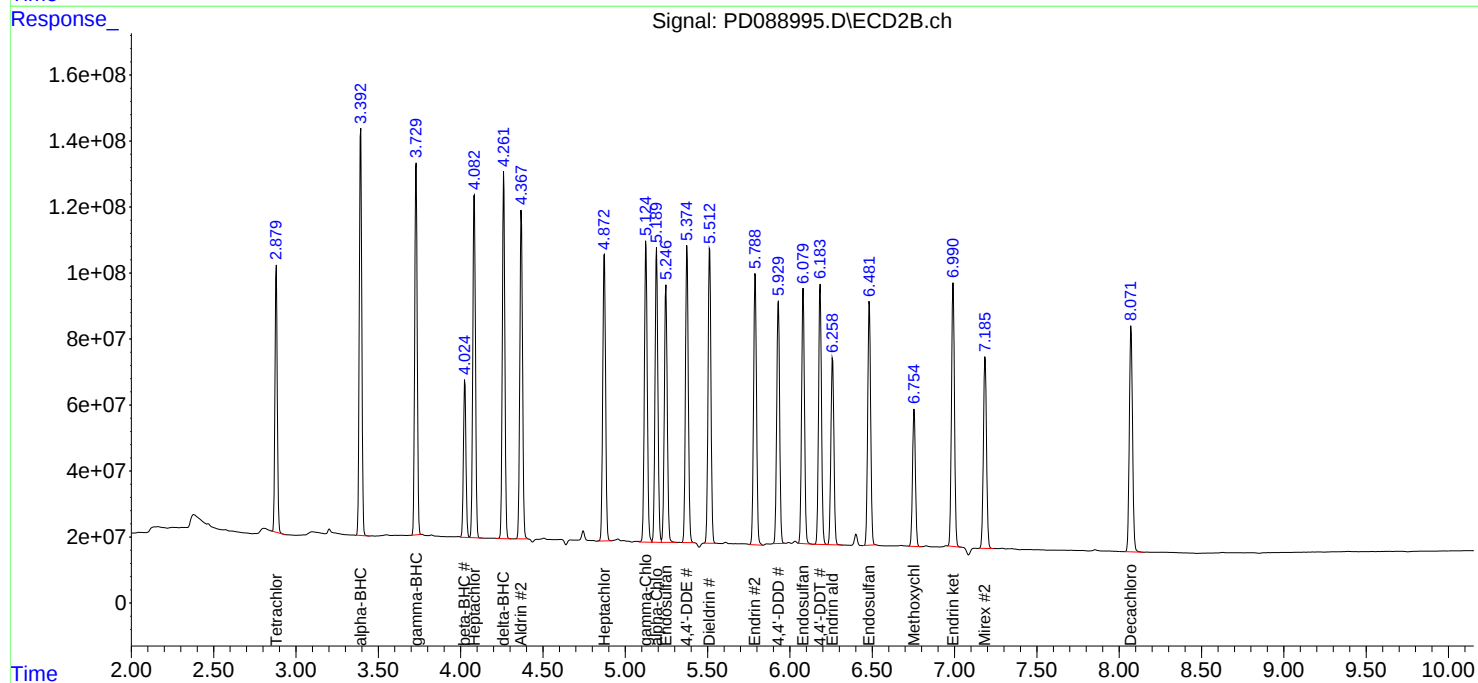
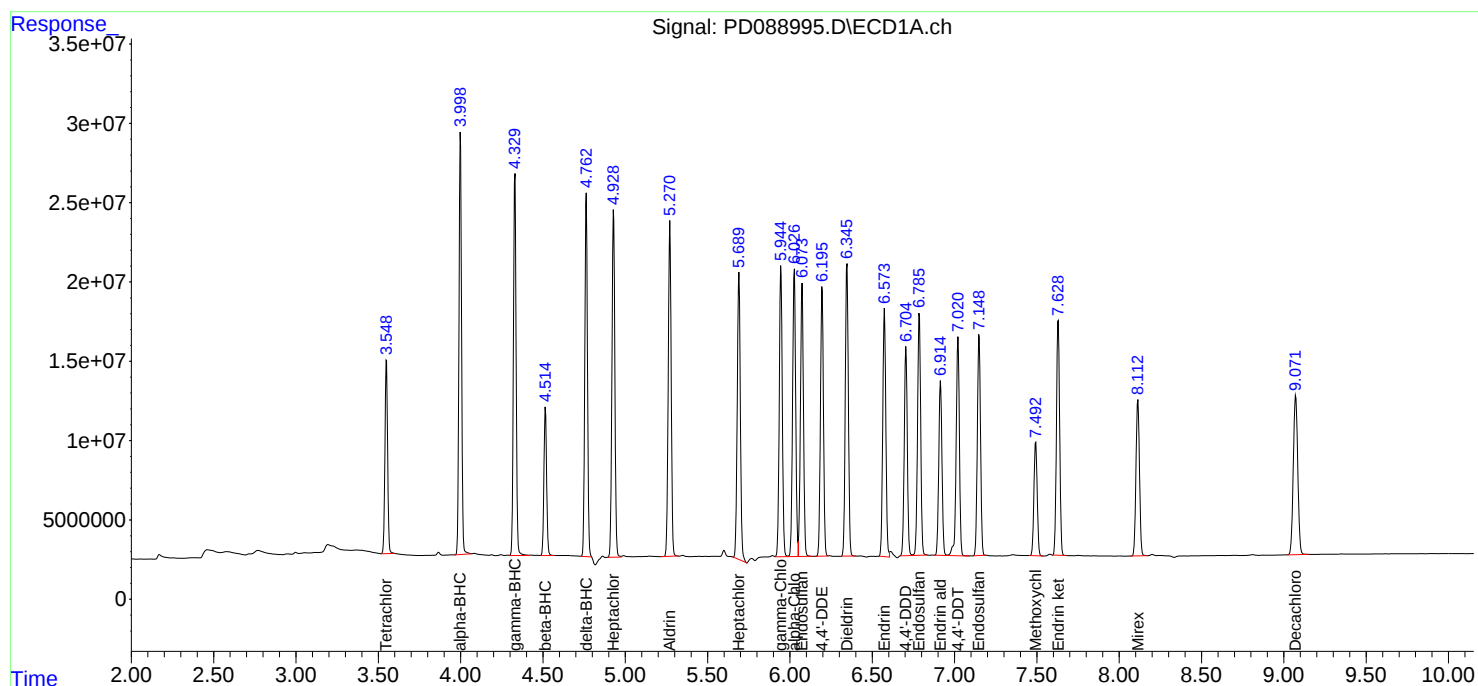
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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



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.

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

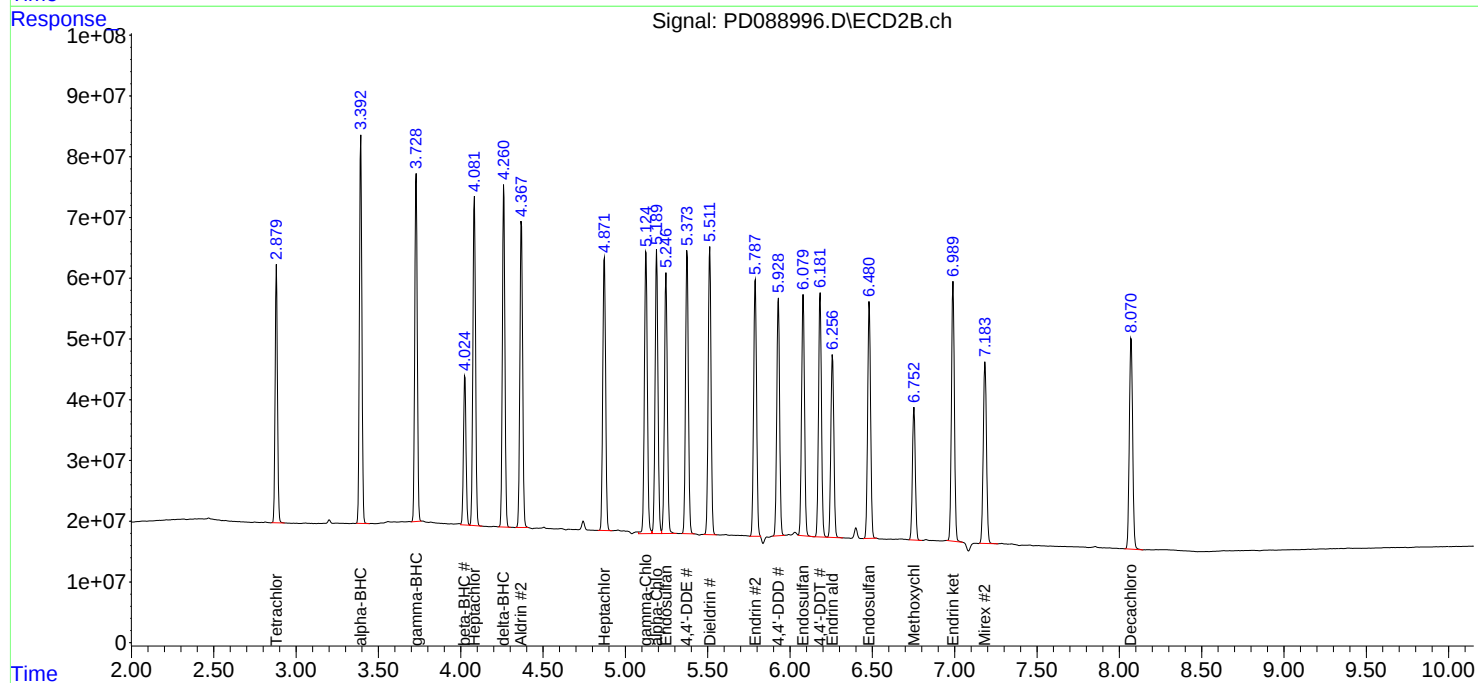
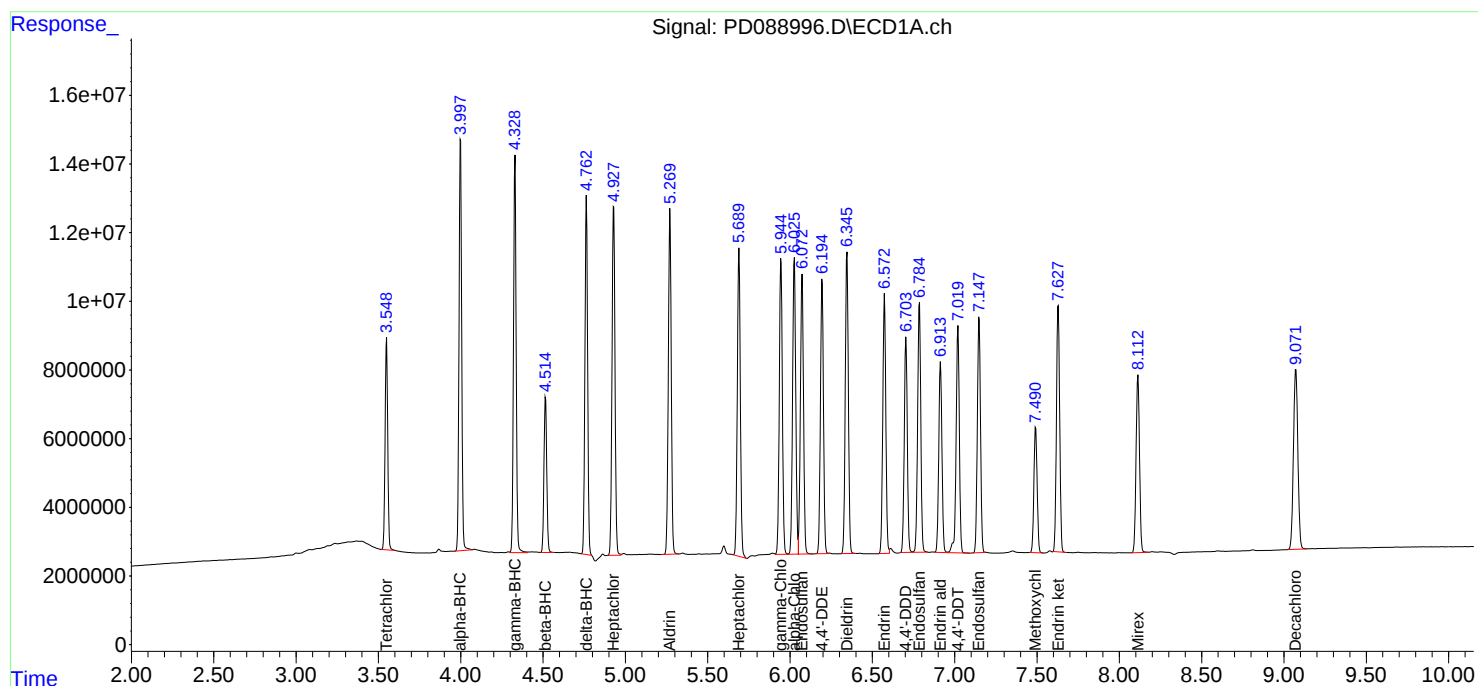
APPROVED

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



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
2) 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.

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

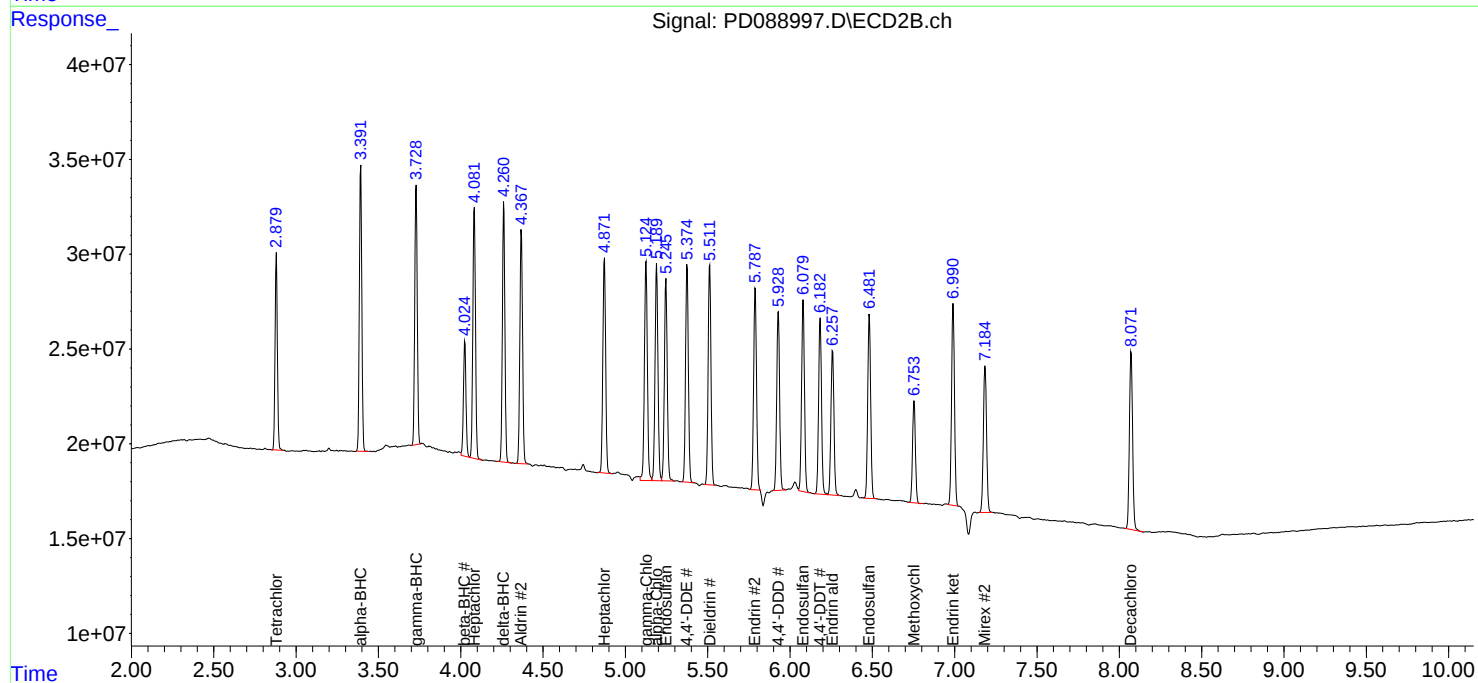
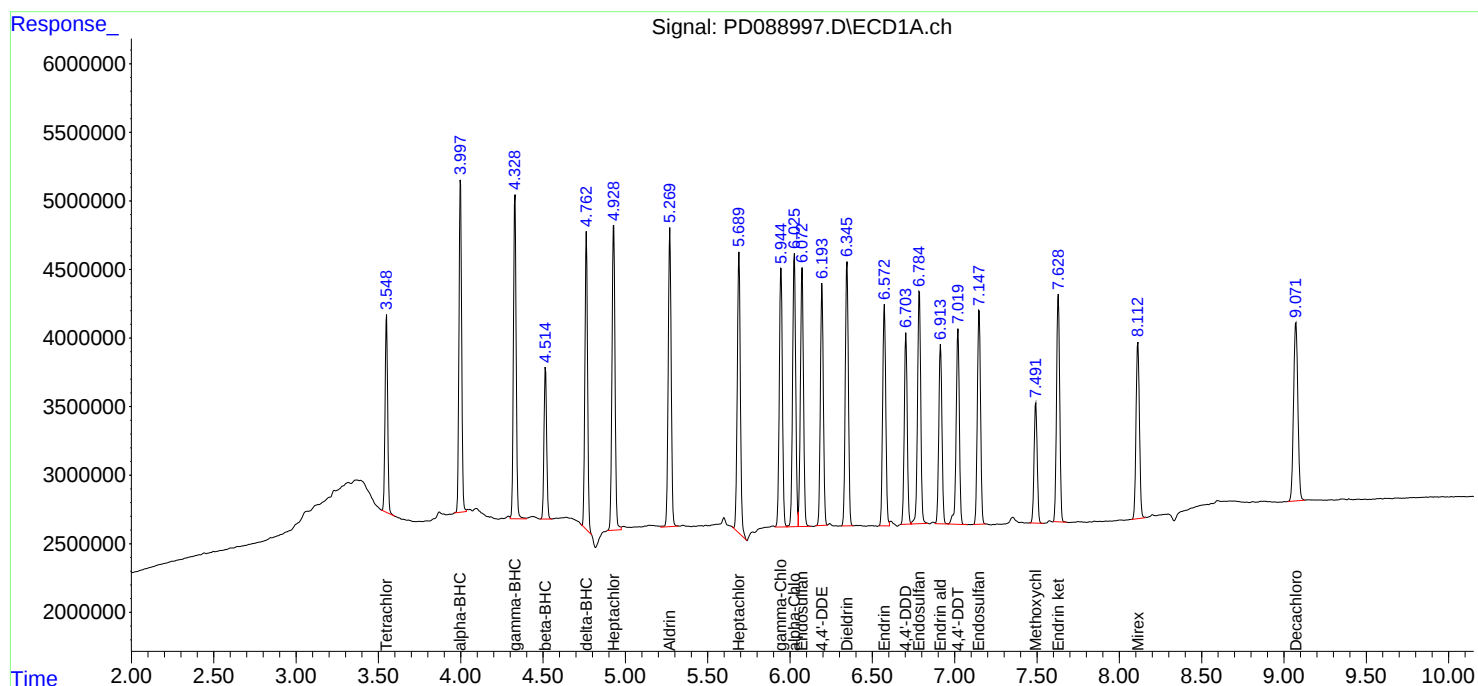
APPROVED

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



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

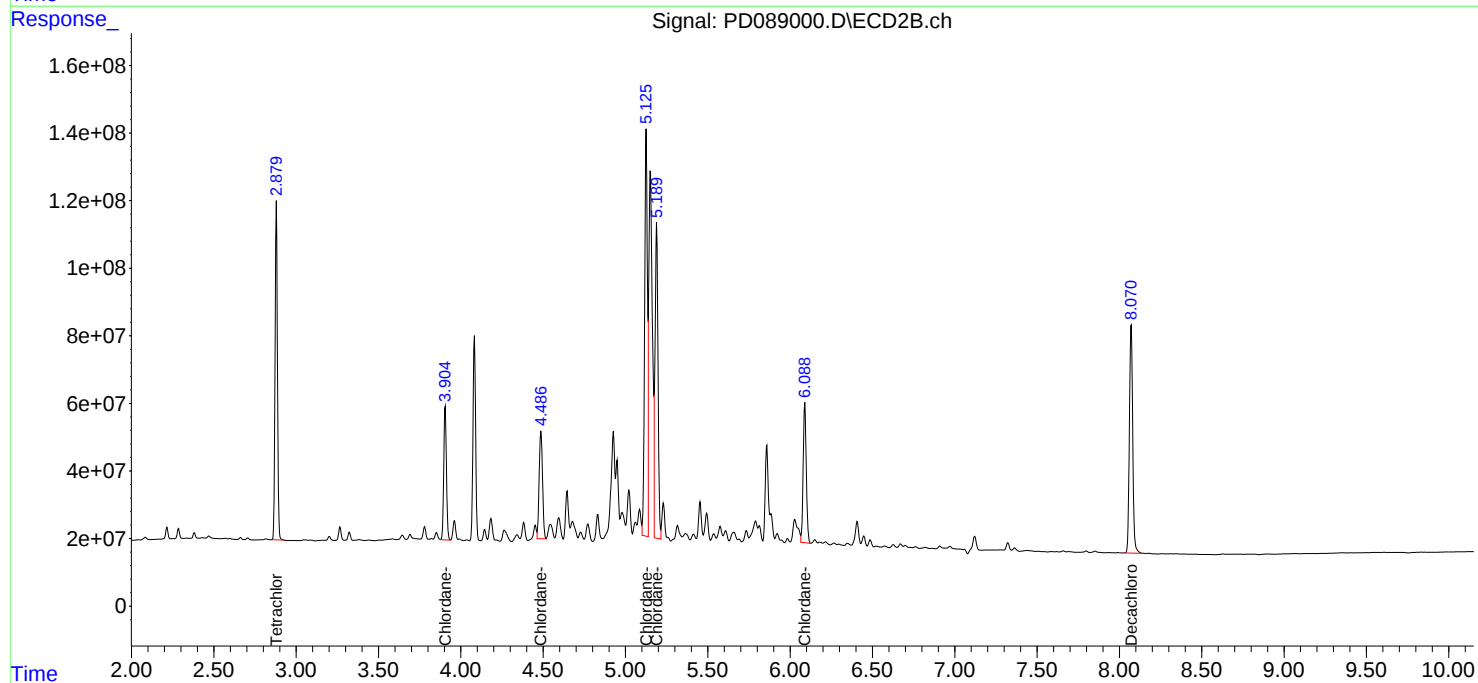
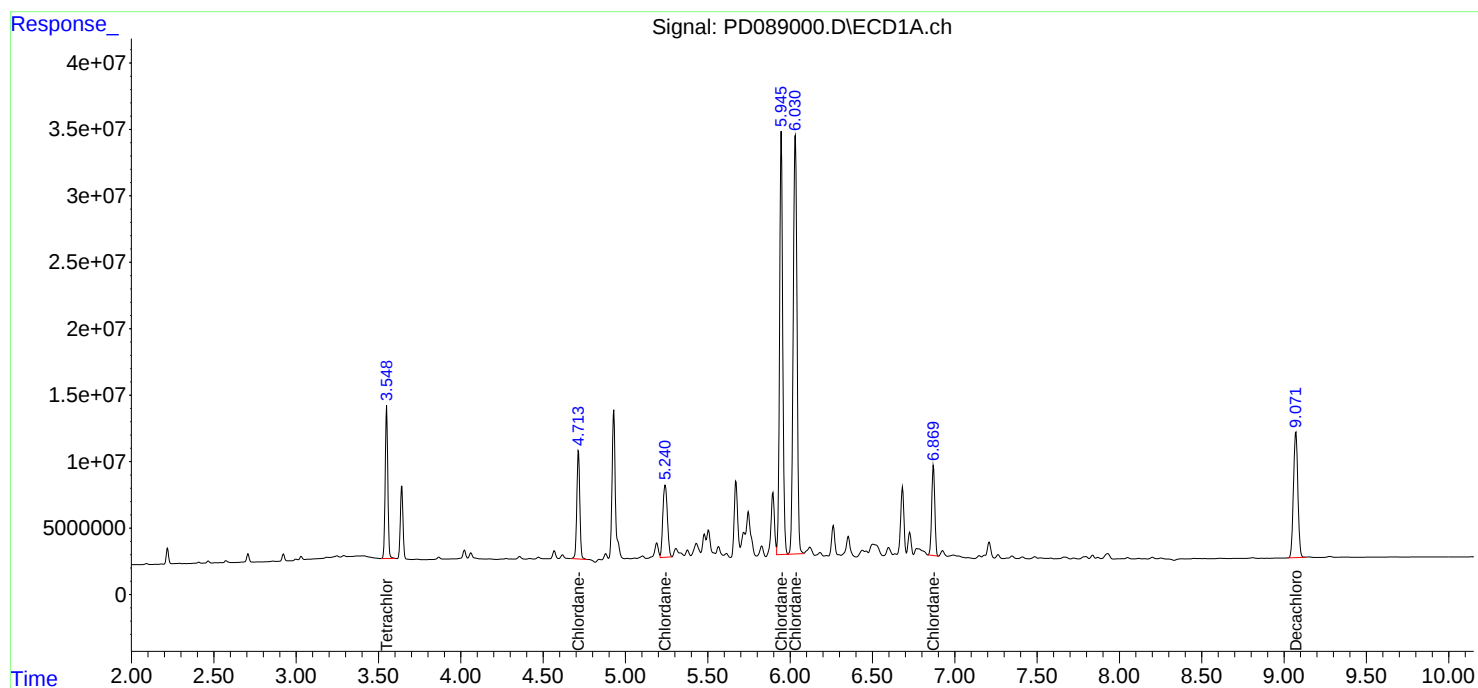
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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



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 x 0.25µm

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

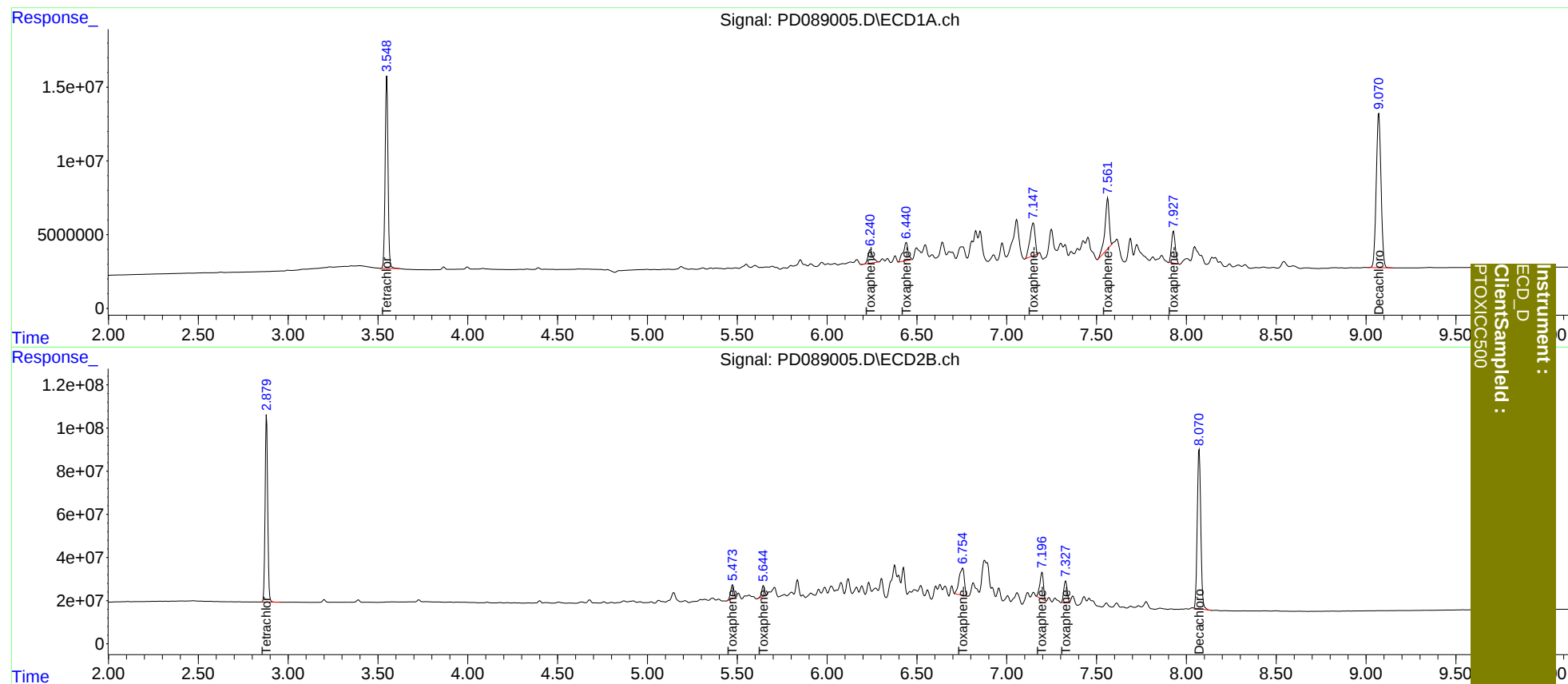
System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	143.6E6	868.2E6	50.000	50.000
7) SA Decachlor...	9.071	8.071	194.1E6	1009.6E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.241	5.474	16800895	79079940	500.000	500.000
3) Toxaphene-2	6.441	5.646	23764296	54409973	500.000	500.000
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.

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



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

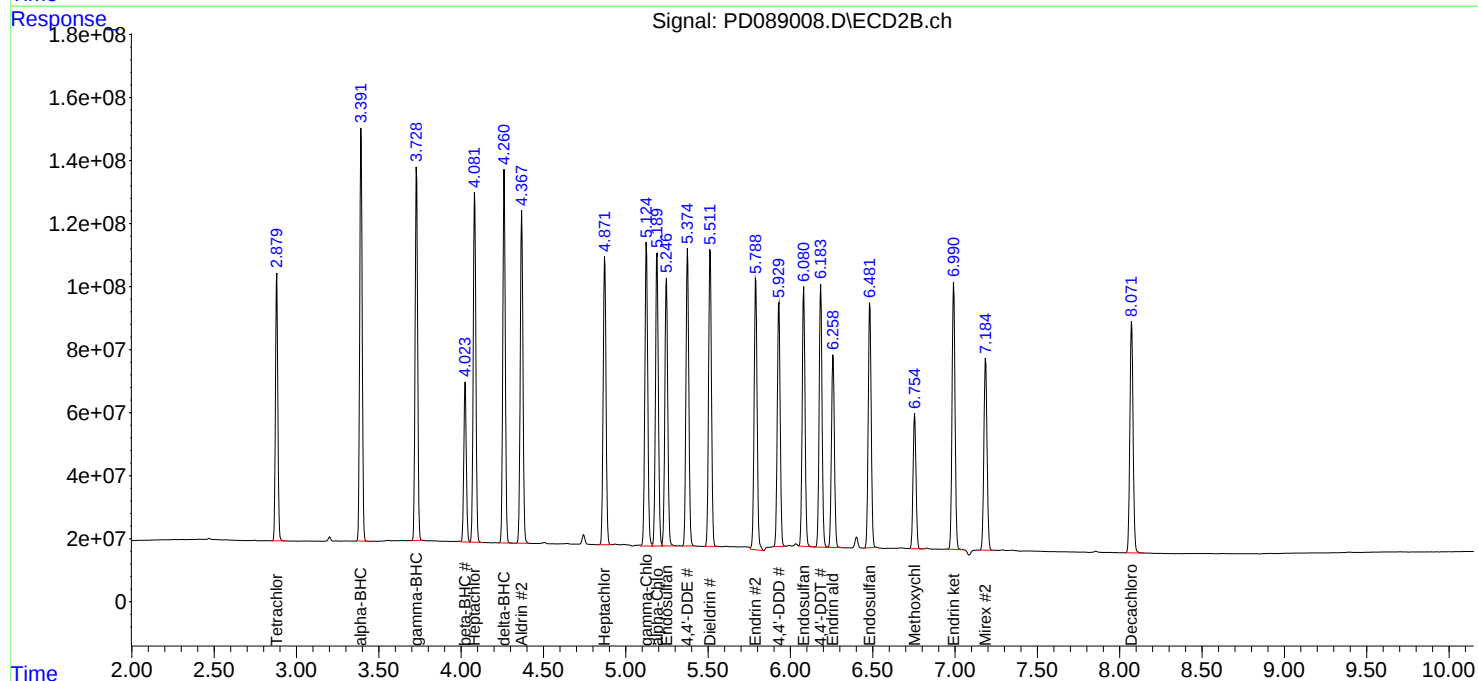
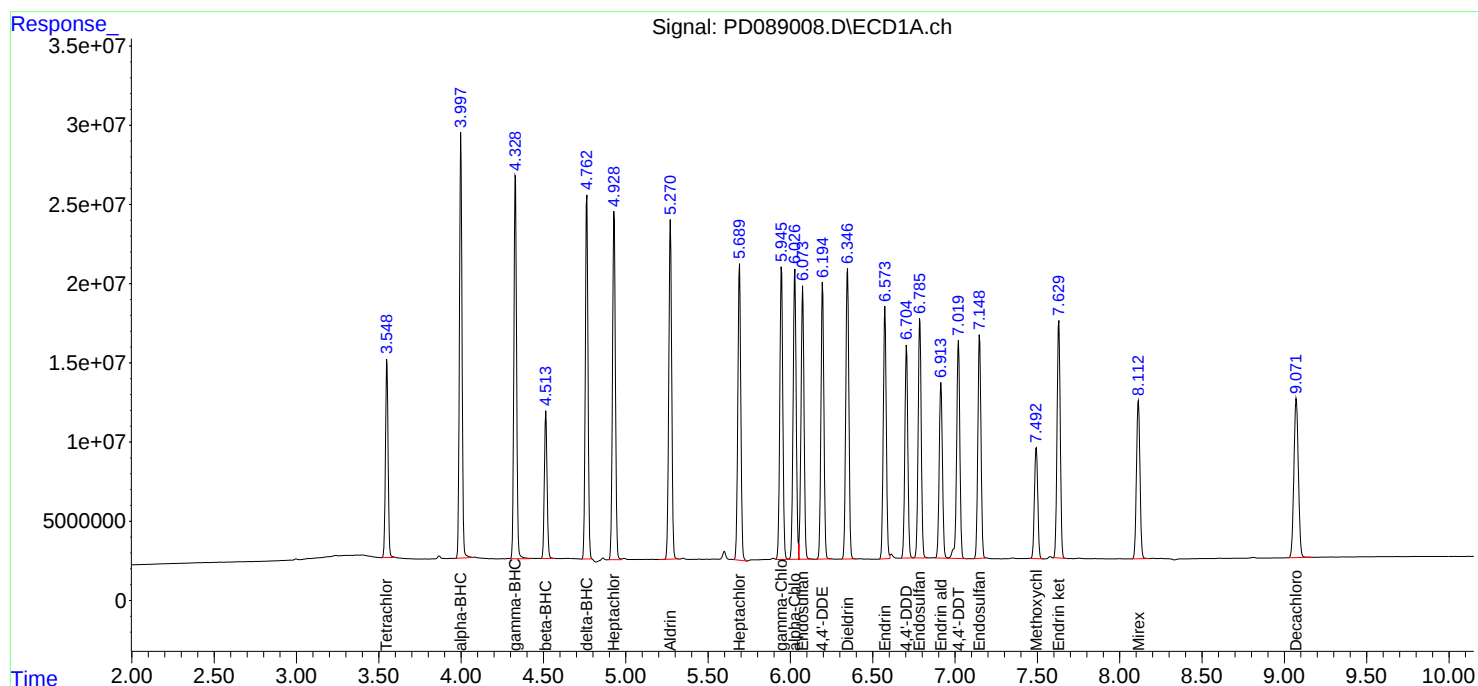
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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



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

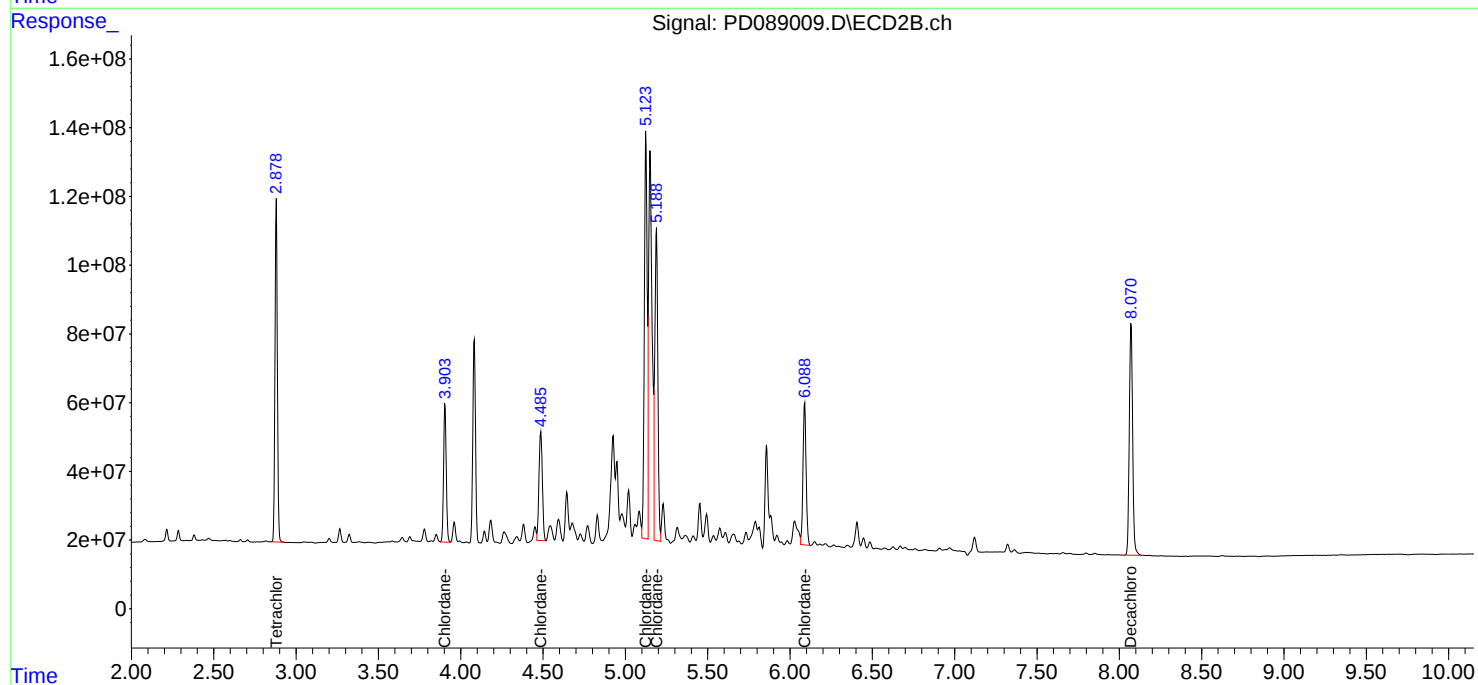
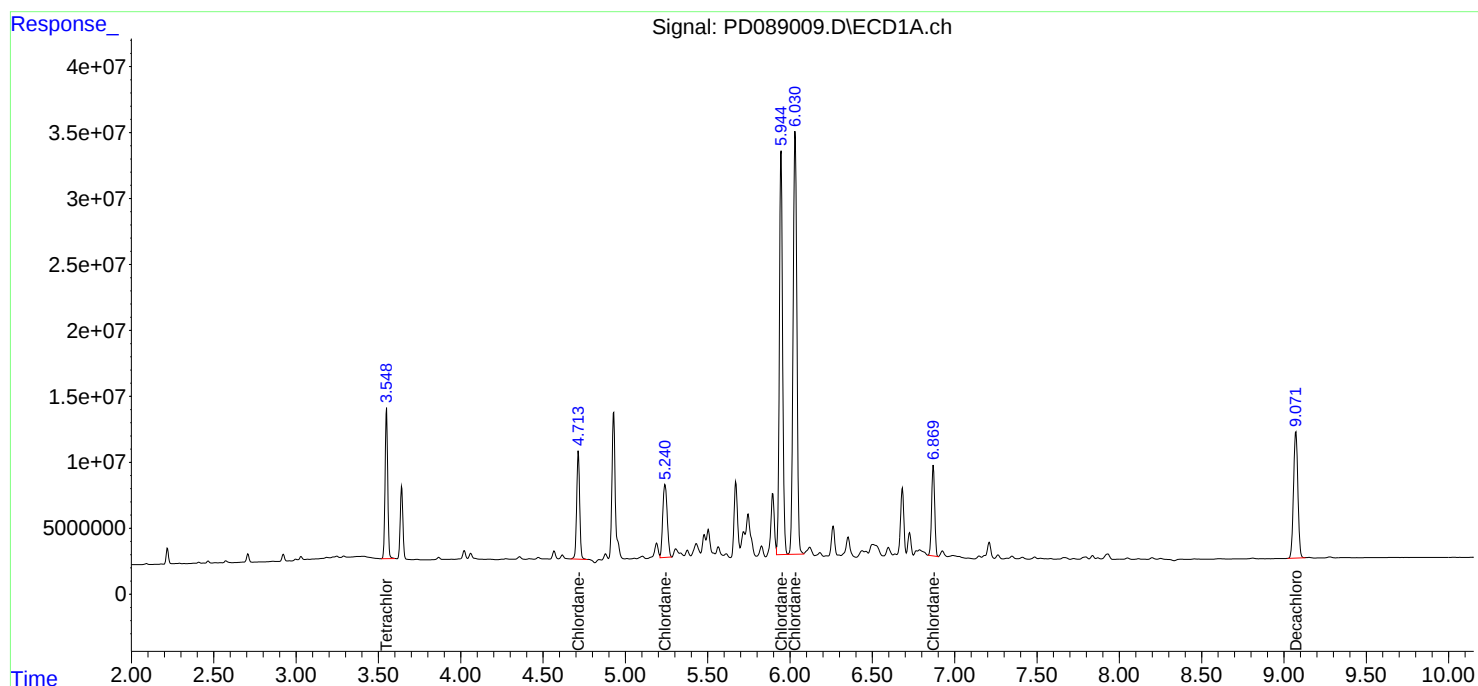
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



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 x 0.25µm

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

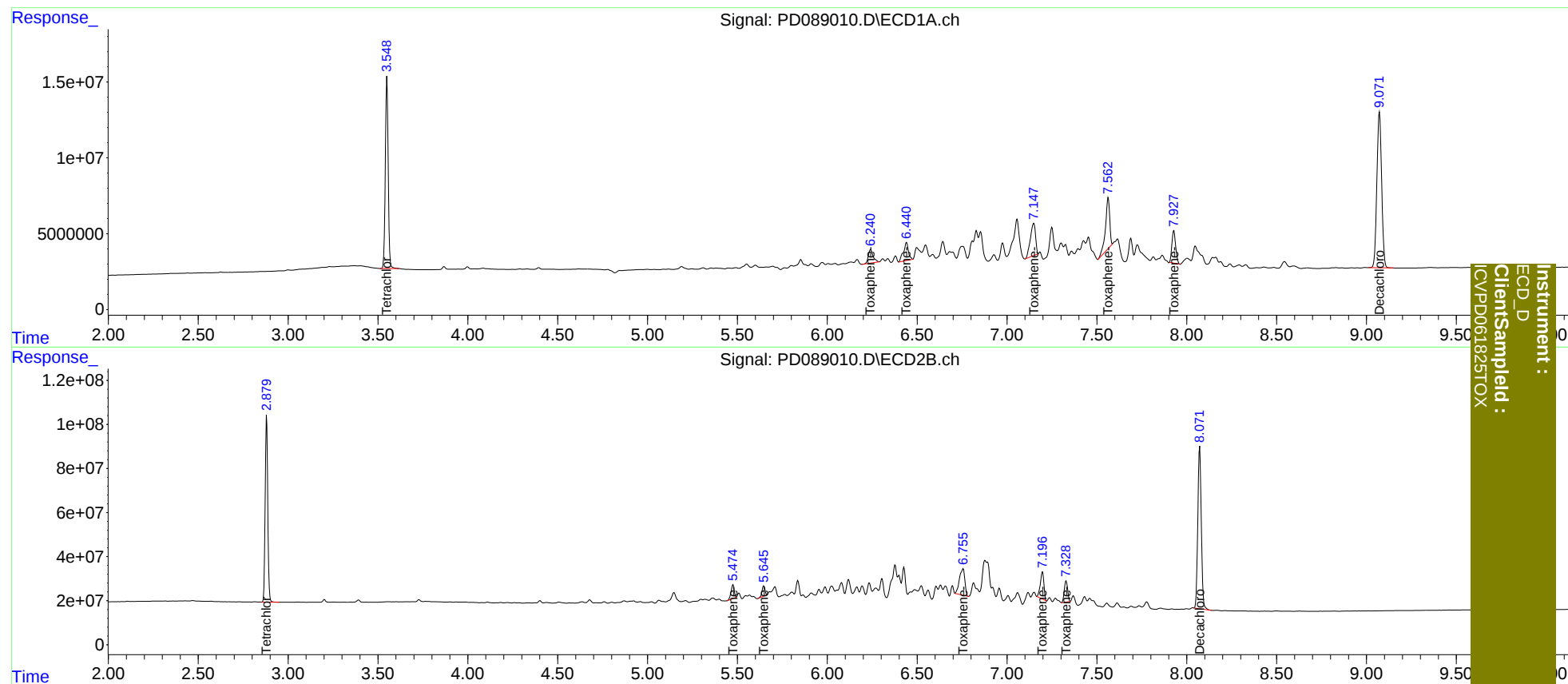
System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	140.5E6	849.8E6	49.126	48.618
7) SA Decachlor...	9.072	8.072	190.0E6	991.7E6	48.552	48.009
Target Compounds						
2) Toxaphene-1	6.241	5.475	16556024	76482668	496.105	468.012
3) Toxaphene-2	6.441	5.647	23088671	52728004	503.218	488.483
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.

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





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.: Q2514

Continuing Calib Date: 07/07/2025

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

06/17/2025

Continuing Calib Time: 12:02

Initial Calibration Time(s): 15:52

16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.52	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	6.19	6.20	6.10	6.30	0.01
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.78	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	5.94	5.95	5.85	6.05	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Continuing Calib Date: 07/07/2025

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

06/17/2025

Continuing Calib Time: 12:02

Initial Calibration Time(s): 15:52

16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2514
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089342.D **Time Analyzed:** 12:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.703	6.605	6.805	54.480	50.000	9.0
4,4'-DDE	6.194	6.096	6.296	55.240	50.000	10.5
4,4'-DDT	7.019	6.921	7.121	53.300	50.000	6.6
Aldrin	5.269	5.171	5.371	55.040	50.000	10.1
alpha-BHC	3.998	3.899	4.099	55.940	50.000	11.9
alpha-Chlordane	6.025	5.927	6.127	54.700	50.000	9.4
beta-BHC	4.514	4.415	4.615	53.810	50.000	7.6
Decachlorobiphenyl	9.070	8.972	9.172	48.860	50.000	-2.3
delta-BHC	4.763	4.664	4.864	58.660	50.000	17.3
Dieldrin	6.345	6.247	6.447	55.330	50.000	10.7
Endosulfan I	6.072	5.975	6.175	54.990	50.000	10.0
Endosulfan II	6.784	6.686	6.886	55.210	50.000	10.4
Endosulfan sulfate	7.148	7.049	7.249	51.710	50.000	3.4
Endrin	6.573	6.475	6.675	54.450	50.000	8.9
Endrin aldehyde	6.913	6.815	7.015	53.140	50.000	6.3
Endrin ketone	7.628	7.530	7.730	50.910	50.000	1.8
gamma-BHC (Lindane)	4.329	4.230	4.430	55.630	50.000	11.3
gamma-Chlordane	5.944	5.846	6.046	55.390	50.000	10.8
Heptachlor	4.928	4.829	5.029	55.190	50.000	10.4
Heptachlor epoxide	5.689	5.591	5.791	54.230	50.000	8.5
Methoxychlor	7.491	7.393	7.593	49.120	50.000	-1.8
Tetrachloro-m-xylene	3.549	3.450	3.650	53.260	50.000	6.5



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2514
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089342.D **Time Analyzed:** 12:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	53.560	50.000	7.1
4,4'-DDE	5.373	5.275	5.475	57.030	50.000	14.1
4,4'-DDT	6.181	6.084	6.284	56.700	50.000	13.4
Aldrin	4.367	4.269	4.469	56.710	50.000	13.4
alpha-BHC	3.392	3.293	3.493	56.500	50.000	13.0
alpha-Chlordane	5.187	5.091	5.291	56.030	50.000	12.1
beta-BHC	4.024	3.926	4.126	55.510	50.000	11.0
Decachlorobiphenyl	8.070	7.972	8.172	49.450	50.000	-1.1
delta-BHC	4.261	4.162	4.362	56.520	50.000	13.0
Dieldrin	5.511	5.413	5.613	56.420	50.000	12.8
Endosulfan I	5.245	5.147	5.347	58.470	50.000	16.9
Endosulfan II	6.078	5.981	6.181	56.080	50.000	12.2
Endosulfan sulfate	6.480	6.383	6.583	55.240	50.000	10.5
Endrin	5.787	5.689	5.889	55.490	50.000	11.0
Endrin aldehyde	6.257	6.159	6.359	55.170	50.000	10.3
Endrin ketone	6.989	6.892	7.092	53.700	50.000	7.4
gamma-BHC (Lindane)	3.727	3.630	3.830	56.510	50.000	13.0
gamma-Chlordane	5.122	5.026	5.226	55.920	50.000	11.8
Heptachlor	4.081	3.983	4.183	55.880	50.000	11.8
Heptachlor epoxide	4.869	4.773	4.973	56.040	50.000	12.1
Methoxychlor	6.752	6.655	6.855	52.880	50.000	5.8
Tetrachloro-m-xylene	2.880	2.780	2.980	55.560	50.000	11.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089342.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 12:02
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:22:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	152.0E6	941.9E6	53.260	55.560
28)	SA Decachlor...	9.070	8.070	191.9E6	977.6E6	48.860	49.451
Target Compounds							
2)	A alpha-BHC	3.998	3.392	326.1E6	1514.1E6	55.941	56.501
3)	MA gamma-BHC...	4.329	3.727	310.5E6	1399.0E6	55.632	56.511m
4)	MA Heptachlor	4.928	4.081	300.9E6	1399.2E6	55.185	55.883
5)	MB Aldrin	5.269	4.367	292.4E6	1373.4E6	55.036	56.712
6)	B beta-BHC	4.514	4.024	118.8E6	596.5E6	53.810	55.512
7)	B delta-BHC	4.763	4.261	301.1E6	1405.8E6	58.655	56.516
8)	B Heptachlo...	5.689	4.869	261.6E6	1227.2E6	54.231	56.042m
9)	A Endosulfan I	6.072	5.245	247.9E6	1218.6E6	54.993	58.468
10)	B gamma-Chl...	5.944	5.122	265.2E6	1337.8E6	55.389	55.921m
11)	B alpha-Chl...	6.025	5.187	264.7E6	1282.9E6	54.698	56.028m
12)	B 4,4'-DDE	6.194	5.373	240.9E6	1306.8E6	55.236	57.027
13)	MA Dieldrin	6.345	5.511	265.4E6	1309.4E6	55.328	56.418
14)	MA Endrin	6.573	5.787	224.6E6	1204.9E6	54.446	55.490
15)	B Endosulfa...	6.784	6.078	222.9E6	1132.6E6	55.214	56.079
16)	A 4,4'-DDD	6.703	5.928	187.0E6	1024.5E6	54.480	53.558
17)	MA 4,4'-DDT	7.019	6.181	201.9E6	1149.8E6	53.299	56.697
18)	B Endrin al...	6.913	6.257	162.8E6	844.8E6	53.145	55.174
19)	B Endosulfa...	7.148	6.480	198.4E6	1083.8E6	51.713	55.239
20)	A Methoxychlor	7.491	6.752	99253619	569.4E6	49.120	52.879
21)	B Endrin ke...	7.628	6.989	207.3E6	1160.1E6	50.907	53.702
22)	Mirex	8.112	7.183	148.7E6	884.7E6	48.926	53.048

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:02
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

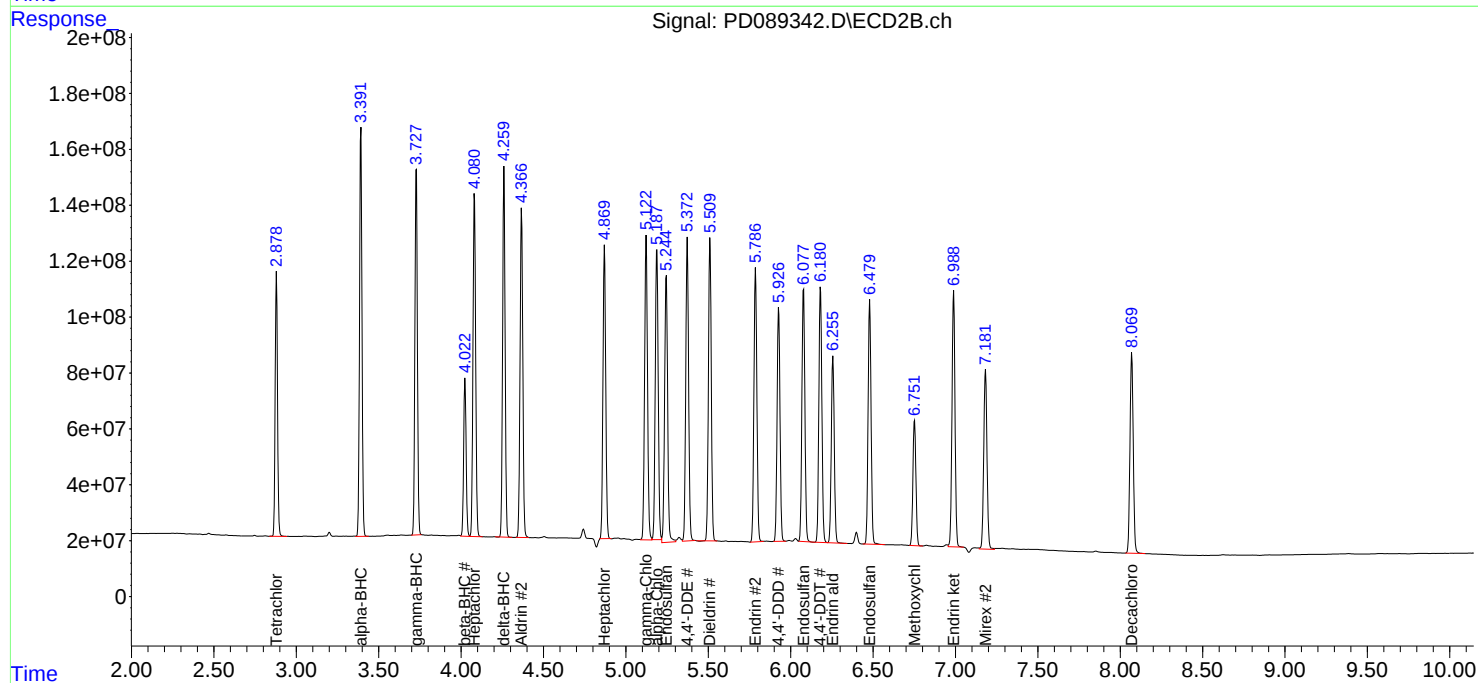
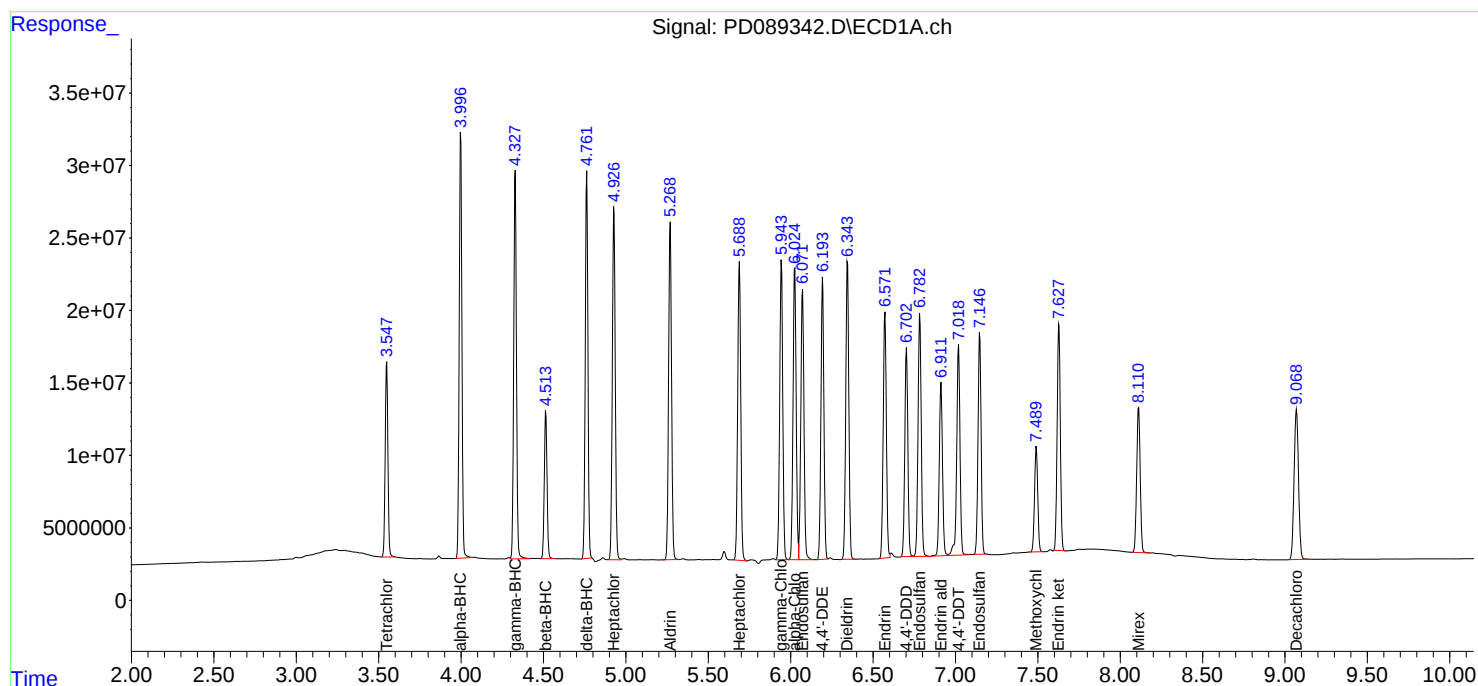
APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:22:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Continuing Calib Date: 07/07/2025

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

06/17/2025

Continuing Calib Time: 16:27

Initial Calibration Time(s): 15:52

16:47

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

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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Continuing Calib Date: 07/07/2025

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

06/17/2025

Continuing Calib Time: 16:27

Initial Calibration Time(s): 15:52

16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	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	0.00
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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2514
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089357.D **Time Analyzed:** 16:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	48.940	50.000	-2.1
4,4'-DDE	6.195	6.096	6.296	50.220	50.000	0.4
4,4'-DDT	7.020	6.921	7.121	47.060	50.000	-5.9
Aldrin	5.270	5.171	5.371	54.180	50.000	8.4
alpha-BHC	3.999	3.899	4.099	56.080	50.000	12.2
alpha-Chlordane	6.026	5.927	6.127	50.810	50.000	1.6
beta-BHC	4.516	4.415	4.615	53.080	50.000	6.2
Decachlorobiphenyl	9.072	8.972	9.172	43.590	50.000	-12.8
delta-BHC	4.764	4.664	4.864	58.220	50.000	16.4
Dieldrin	6.346	6.247	6.447	50.000	50.000	0.0
Endosulfan I	6.073	5.975	6.175	50.940	50.000	1.9
Endosulfan II	6.785	6.686	6.886	49.670	50.000	-0.7
Endosulfan sulfate	7.149	7.049	7.249	46.970	50.000	-6.1
Endrin	6.574	6.475	6.675	49.200	50.000	-1.6
Endrin aldehyde	6.914	6.815	7.015	47.240	50.000	-5.5
Endrin ketone	7.629	7.530	7.730	45.600	50.000	-8.8
gamma-BHC (Lindane)	4.330	4.230	4.430	55.350	50.000	10.7
gamma-Chlordane	5.945	5.846	6.046	51.850	50.000	3.7
Heptachlor	4.929	4.829	5.029	54.900	50.000	9.8
Heptachlor epoxide	5.690	5.591	5.791	51.600	50.000	3.2
Methoxychlor	7.492	7.393	7.593	43.830	50.000	-12.3
Tetrachloro-m-xylene	3.550	3.450	3.650	53.260	50.000	6.5



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2514
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089357.D **Time Analyzed:** 16:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	49.790	50.000	-0.4
4,4'-DDE	5.374	5.275	5.475	55.190	50.000	10.4
4,4'-DDT	6.183	6.084	6.284	51.090	50.000	2.2
Aldrin	4.368	4.269	4.469	57.050	50.000	14.1
alpha-BHC	3.393	3.293	3.493	57.530	50.000	15.1
alpha-Chlordane	5.189	5.091	5.291	56.760	50.000	13.5
beta-BHC	4.024	3.926	4.126	56.260	50.000	12.5
Decachlorobiphenyl	8.071	7.972	8.172	40.430	50.000	-19.1
delta-BHC	4.261	4.162	4.362	57.120	50.000	14.2
Dieldrin	5.512	5.413	5.613	54.450	50.000	8.9
Endosulfan I	5.246	5.147	5.347	57.500	50.000	15.0
Endosulfan II	6.079	5.981	6.181	51.350	50.000	2.7
Endosulfan sulfate	6.481	6.383	6.583	50.300	50.000	0.6
Endrin	5.788	5.689	5.889	52.730	50.000	5.5
Endrin aldehyde	6.257	6.159	6.359	50.160	50.000	0.3
Endrin ketone	6.990	6.892	7.092	46.390	50.000	-7.2
gamma-BHC (Lindane)	3.729	3.630	3.830	56.490	50.000	13.0
gamma-Chlordane	5.123	5.026	5.226	54.860	50.000	9.7
Heptachlor	4.082	3.983	4.183	56.540	50.000	13.1
Heptachlor epoxide	4.870	4.773	4.973	56.040	50.000	12.1
Methoxychlor	6.753	6.655	6.855	47.310	50.000	-5.4
Tetrachloro-m-xylene	2.881	2.780	2.980	56.880	50.000	13.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089357.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 16:27
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/09/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:25:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	152.0E6	964.3E6	53.259	56.878
28)	SA Decachlor...	9.072	8.071	171.2E6	799.4E6	43.585	40.433
Target Compounds							
2)	A alpha-BHC	3.999	3.393	326.9E6	1541.7E6	56.083	57.533
3)	MA gamma-BHC...	4.330	3.729	308.9E6	1398.5E6	55.346	56.488
4)	MA Heptachlor	4.929	4.082	299.3E6	1415.7E6	54.903	56.540
5)	MB Aldrin	5.270	4.368	287.9E6	1381.5E6	54.181	57.047
6)	B beta-BHC	4.516	4.024	117.1E6	604.5E6	53.078	56.257
7)	B delta-BHC	4.764	4.261	298.8E6	1420.9E6	58.216	57.124
8)	B Heptachlo...	5.690	4.870	248.9E6	1227.1E6	51.603	56.038m
9)	A Endosulfan I	6.073	5.246	229.6E6	1198.3E6	50.937	57.496
10)	B gamma-Chl...	5.945	5.123	248.2E6	1312.4E6	51.846	54.861m
11)	B alpha-Chl...	6.026	5.189	245.9E6	1299.6E6	50.813	56.759
12)	B 4,4'-DDE	6.195	5.374	219.0E6	1264.8E6	50.224	55.191
13)	MA Dieldrin	6.346	5.512	239.9E6	1263.7E6	50.004	54.450
14)	MA Endrin	6.574	5.788	203.0E6	1144.9E6	49.205	52.729
15)	B Endosulfa...	6.785	6.079	200.5E6	1037.1E6	49.673	51.348
16)	A 4,4'-DDD	6.704	5.928	168.0E6	952.5E6	48.938	49.795
17)	MA 4,4'-DDT	7.020	6.183	178.3E6	1036.0E6	47.058	51.087
18)	B Endrin al...	6.914	6.257	144.7E6	767.9E6	47.240	50.156
19)	B Endosulfa...	7.149	6.481	180.2E6	986.9E6	46.966	50.297
20)	A Methoxychlor	7.492	6.753	88558845	509.5E6	43.827	47.315
21)	B Endrin ke...	7.629	6.990	185.7E6	1002.0E6	45.601	46.385
22)	Mirex	8.113	7.184	131.7E6	737.6E6	43.321	44.228

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 16:27
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

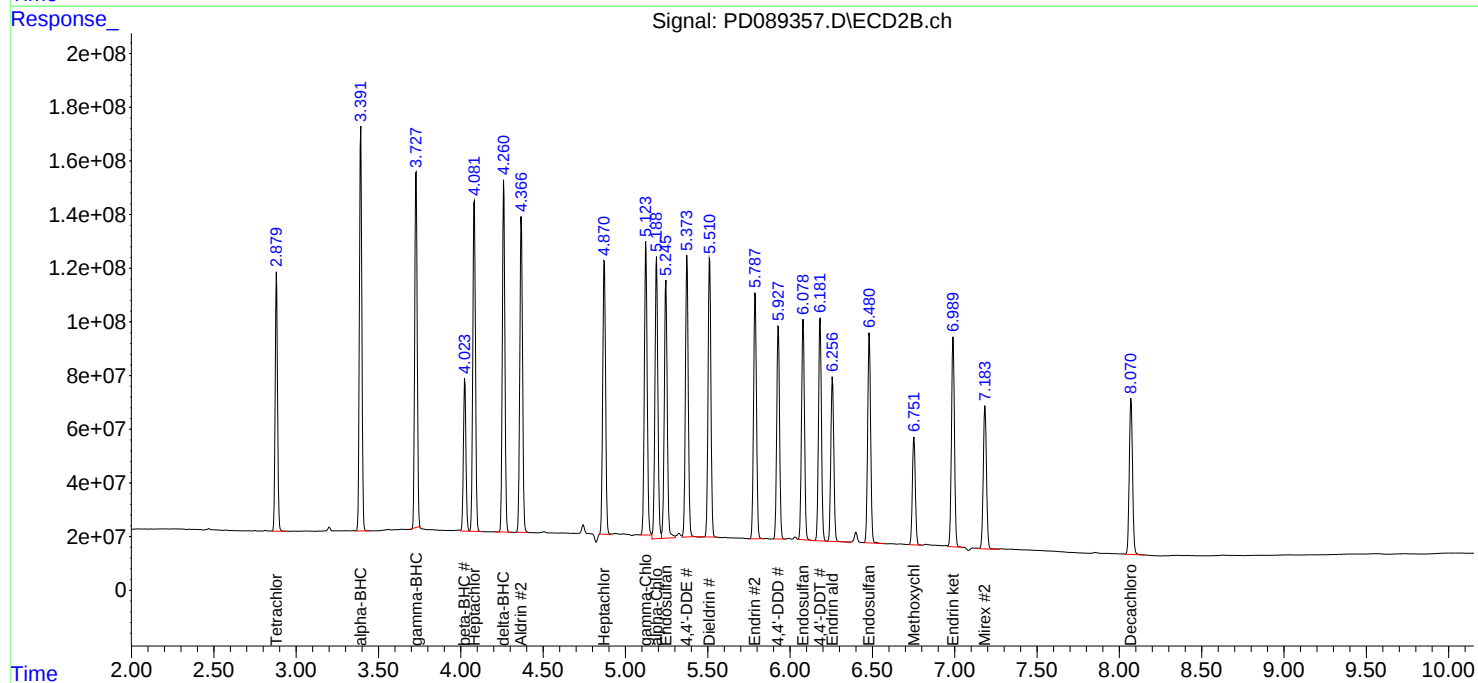
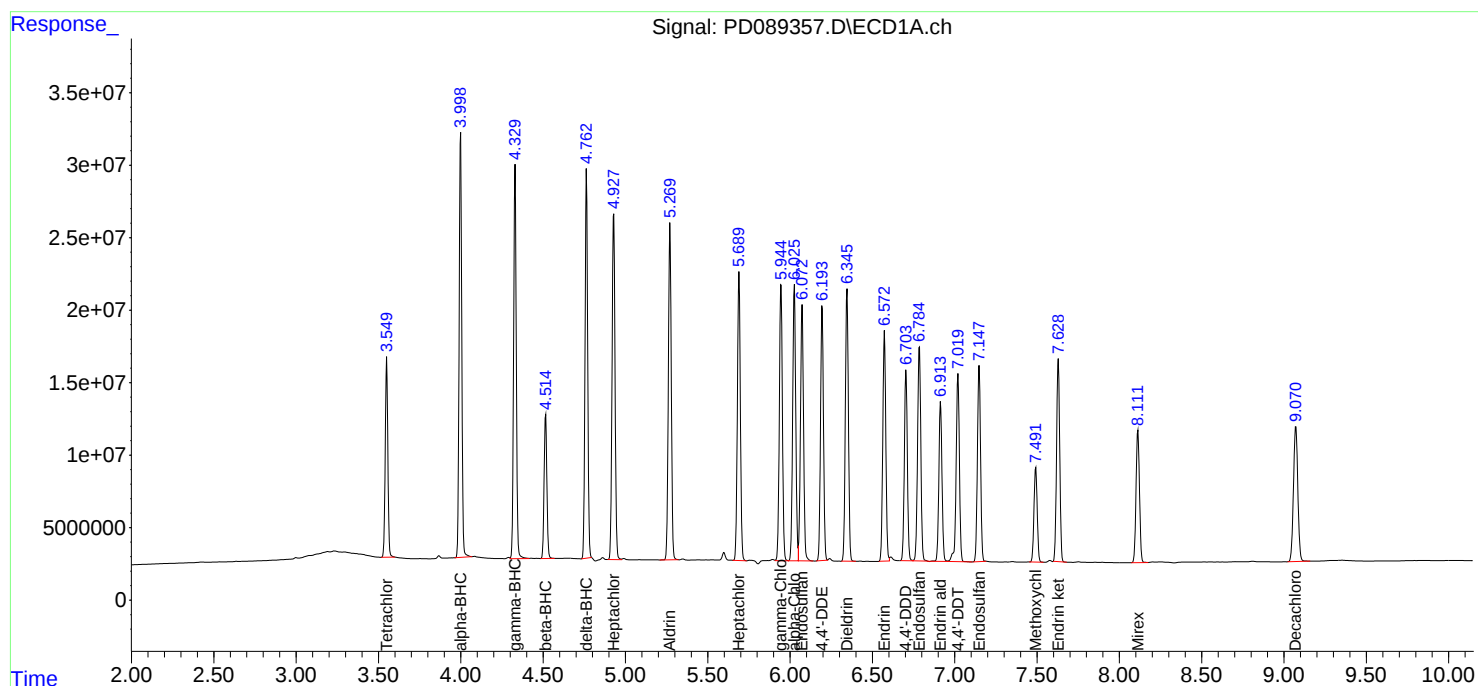
APPROVED

Reviewed By :Abdul Mirza 07/09/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:25:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Continuing Calib Date: 07/07/2025

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

06/17/2025

Continuing Calib Time: 19:59

Initial Calibration Time(s): 15:52

16:47

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

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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Continuing Calib Date: 07/07/2025

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

06/17/2025

Continuing Calib Time: 19:59

Initial Calibration Time(s): 15:52

16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2514
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/07/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089369.D **Time Analyzed:** 19:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	49.530	50.000	-0.9
4,4'-DDE	6.195	6.096	6.296	51.310	50.000	2.6
4,4'-DDT	7.020	6.921	7.121	46.530	50.000	-6.9
Aldrin	5.270	5.171	5.371	55.470	50.000	10.9
alpha-BHC	3.999	3.899	4.099	57.030	50.000	14.1
alpha-Chlordane	6.026	5.927	6.127	51.570	50.000	3.1
beta-BHC	4.515	4.415	4.615	54.330	50.000	8.7
Decachlorobiphenyl	9.071	8.972	9.172	42.700	50.000	-14.6
delta-BHC	4.763	4.664	4.864	59.780	50.000	19.6
Dieldrin	6.346	6.247	6.447	52.020	50.000	4.0
Endosulfan I	6.073	5.975	6.175	51.910	50.000	3.8
Endosulfan II	6.785	6.686	6.886	49.910	50.000	-0.2
Endosulfan sulfate	7.148	7.049	7.249	46.690	50.000	-6.6
Endrin	6.573	6.475	6.675	50.500	50.000	1.0
Endrin aldehyde	6.913	6.815	7.015	47.100	50.000	-5.8
Endrin ketone	7.629	7.530	7.730	45.350	50.000	-9.3
gamma-BHC (Lindane)	4.330	4.230	4.430	56.620	50.000	13.2
gamma-Chlordane	5.945	5.846	6.046	52.480	50.000	5.0
Heptachlor	4.929	4.829	5.029	56.020	50.000	12.0
Heptachlor epoxide	5.690	5.591	5.791	52.430	50.000	4.9
Methoxychlor	7.492	7.393	7.593	44.220	50.000	-11.6
Tetrachloro-m-xylene	3.550	3.450	3.650	54.050	50.000	8.1



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.:** Q2514
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/07/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089369.D **Time Analyzed:** 19:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.929	5.830	6.030	51.220	50.000	2.4
4,4'-DDE	5.374	5.275	5.475	56.600	50.000	13.2
4,4'-DDT	6.183	6.084	6.284	52.240	50.000	4.5
Aldrin	4.368	4.269	4.469	58.350	50.000	16.7
alpha-BHC	3.393	3.293	3.493	58.820	50.000	17.6
alpha-Chlordane	5.189	5.091	5.291	58.480	50.000	17.0
beta-BHC	4.025	3.926	4.126	56.960	50.000	13.9
Decachlorobiphenyl	8.070	7.972	8.172	40.250	50.000	-19.5
delta-BHC	4.261	4.162	4.362	58.390	50.000	16.8
Dieldrin	5.512	5.413	5.613	55.870	50.000	11.7
Endosulfan I	5.246	5.147	5.347	59.210	50.000	18.4
Endosulfan II	6.079	5.981	6.181	52.960	50.000	5.9
Endosulfan sulfate	6.481	6.383	6.583	51.740	50.000	3.5
Endrin	5.788	5.689	5.889	54.820	50.000	9.6
Endrin aldehyde	6.258	6.159	6.359	50.860	50.000	1.7
Endrin ketone	6.990	6.892	7.092	47.030	50.000	-5.9
gamma-BHC (Lindane)	3.728	3.630	3.830	58.890	50.000	17.8
gamma-Chlordane	5.123	5.026	5.226	56.390	50.000	12.8
Heptachlor	4.082	3.983	4.183	57.740	50.000	15.5
Heptachlor epoxide	4.870	4.773	4.973	58.020	50.000	16.0
Methoxychlor	6.753	6.655	6.855	46.840	50.000	-6.3
Tetrachloro-m-xylene	2.881	2.780	2.980	57.660	50.000	15.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089369.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 19:59
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:28:02 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	154.2E6	977.5E6	54.049	57.659
28)	SA Decachlor...	9.071	8.070	167.7E6	795.7E6	42.696	40.246m
Target Compounds							
2)	A alpha-BHC	3.999	3.393	332.4E6	1576.3E6	57.027	58.823
3)	MA gamma-BHC...	4.330	3.728	316.0E6	1457.9E6	56.616	58.890m
4)	MA Heptachlor	4.929	4.082	305.4E6	1445.8E6	56.023	57.742
5)	MB Aldrin	5.270	4.368	294.7E6	1413.0E6	55.470	58.346
6)	B beta-BHC	4.515	4.025	119.9E6	612.1E6	54.334	56.958
7)	B delta-BHC	4.763	4.261	306.8E6	1452.4E6	59.777	58.391
8)	B Heptachlo...	5.690	4.870	252.9E6	1270.6E6	52.431	58.021m
9)	A Endosulfan I	6.073	5.246	234.0E6	1234.1E6	51.913	59.213
10)	B gamma-Chl...	5.945	5.123	251.3E6	1348.9E6	52.479	56.387m
11)	B alpha-Chl...	6.026	5.189	249.5E6	1339.0E6	51.572	58.481
12)	B 4,4'-DDE	6.195	5.374	223.8E6	1297.1E6	51.308	56.602
13)	MA Dieldrin	6.346	5.512	249.6E6	1296.6E6	52.023	55.867
14)	MA Endrin	6.573	5.788	208.3E6	1190.5E6	50.500	54.824
15)	B Endosulfa...	6.785	6.079	201.5E6	1069.6E6	49.907	52.961
16)	A 4,4'-DDD	6.704	5.929	170.0E6	979.8E6	49.530	51.220
17)	MA 4,4'-DDT	7.020	6.183	176.3E6	1059.5E6	46.535	52.243
18)	B Endrin al...	6.913	6.258	144.3E6	778.8E6	47.100	50.863
19)	B Endosulfa...	7.148	6.481	179.2E6	1015.1E6	46.694	51.737
20)	A Methoxychlor	7.492	6.753	89351678	504.4E6	44.220	46.841
21)	B Endrin ke...	7.629	6.990	184.7E6	1015.9E6	45.354	47.026
22)	Mirex	8.112	7.184	128.5E6	764.0E6	42.273	45.810

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 19:59
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

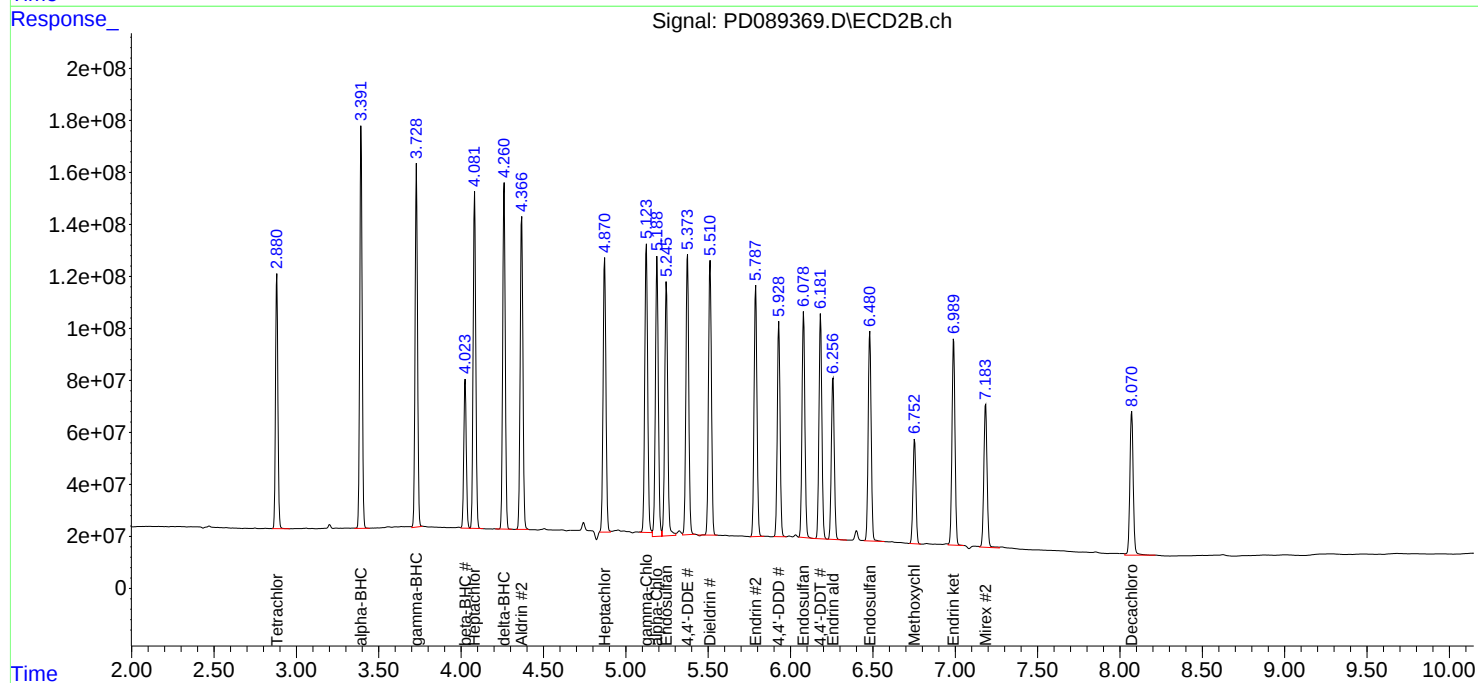
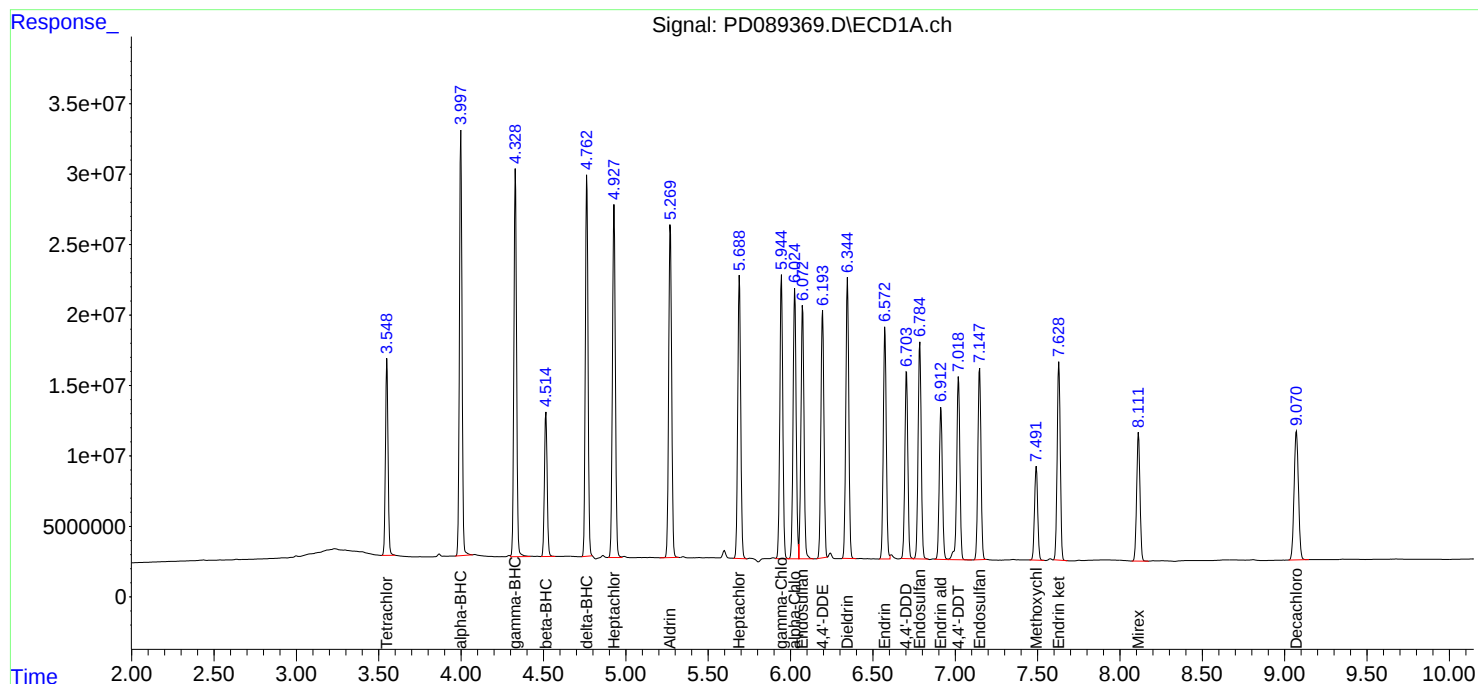
APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:28:02 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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Continuing Calib Date: 07/07/2025

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

06/17/2025

Continuing Calib Time: 22:17

Initial Calibration Time(s): 15:52

16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.78	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



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.: Q2514

Continuing Calib Date: 07/07/2025

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

06/17/2025

Continuing Calib Time: 22:17

Initial Calibration Time(s): 15:52

16:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	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	5.24	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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2514
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/07/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089377.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	52.200	50.000	4.4
4,4'-DDE	6.195	6.096	6.296	53.730	50.000	7.5
4,4'-DDT	7.019	6.921	7.121	49.740	50.000	-0.5
Aldrin	5.270	5.171	5.371	55.820	50.000	11.6
alpha-BHC	3.999	3.899	4.099	56.850	50.000	13.7
alpha-Chlordane	6.025	5.927	6.127	54.320	50.000	8.6
beta-BHC	4.515	4.415	4.615	54.310	50.000	8.6
Decachlorobiphenyl	9.071	8.972	9.172	44.530	50.000	-10.9
delta-BHC	4.763	4.664	4.864	59.660	50.000	19.3
Dieldrin	6.346	6.247	6.447	54.060	50.000	8.1
Endosulfan I	6.073	5.975	6.175	54.650	50.000	9.3
Endosulfan II	6.784	6.686	6.886	52.730	50.000	5.5
Endosulfan sulfate	7.147	7.049	7.249	50.060	50.000	0.1
Endrin	6.572	6.475	6.675	52.560	50.000	5.1
Endrin aldehyde	6.912	6.815	7.015	49.750	50.000	-0.5
Endrin ketone	7.628	7.530	7.730	48.190	50.000	-3.6
gamma-BHC (Lindane)	4.329	4.230	4.430	56.570	50.000	13.1
gamma-Chlordane	5.945	5.846	6.046	55.030	50.000	10.1
Heptachlor	4.928	4.829	5.029	55.670	50.000	11.3
Heptachlor epoxide	5.689	5.591	5.791	54.160	50.000	8.3
Methoxychlor	7.491	7.393	7.593	45.800	50.000	-8.4
Tetrachloro-m-xylene	3.550	3.450	3.650	53.920	50.000	7.8



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.:** Q2514
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/07/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD089377.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	53.580	50.000	7.2
4,4'-DDE	5.373	5.275	5.475	57.860	50.000	15.7
4,4'-DDT	6.182	6.084	6.284	55.170	50.000	10.3
Aldrin	4.368	4.269	4.469	58.730	50.000	17.5
alpha-BHC	3.393	3.293	3.493	59.330	50.000	18.7
alpha-Chlordane	5.189	5.091	5.291	58.970	50.000	17.9
beta-BHC	4.025	3.926	4.126	57.770	50.000	15.5
Decachlorobiphenyl	8.070	7.972	8.172	42.800	50.000	-14.4
delta-BHC	4.261	4.162	4.362	58.900	50.000	17.8
Dieldrin	5.510	5.413	5.613	57.500	50.000	15.0
Endosulfan I	5.244	5.147	5.347	58.000	50.000	16.0
Endosulfan II	6.079	5.981	6.181	55.640	50.000	11.3
Endosulfan sulfate	6.481	6.383	6.583	54.110	50.000	8.2
Endrin	5.788	5.689	5.889	57.670	50.000	15.3
Endrin aldehyde	6.257	6.159	6.359	54.140	50.000	8.3
Endrin ketone	6.989	6.892	7.092	49.870	50.000	-0.3
gamma-BHC (Lindane)	3.727	3.630	3.830	59.160	50.000	18.3
gamma-Chlordane	5.122	5.026	5.226	57.280	50.000	14.6
Heptachlor	4.082	3.983	4.183	58.260	50.000	16.5
Heptachlor epoxide	4.870	4.773	4.973	58.620	50.000	17.2
Methoxychlor	6.752	6.655	6.855	50.770	50.000	1.5
Tetrachloro-m-xylene	2.881	2.780	2.980	58.340	50.000	16.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089377.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 22:17
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:29:59 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	153.8E6	989.0E6	53.919	58.338
28)	SA Decachlor...	9.071	8.070	174.9E6	846.2E6	44.534	42.801
Target Compounds							
2)	A alpha-BHC	3.999	3.393	331.4E6	1590.0E6	56.849	59.333
3)	MA gamma-BHC...	4.329	3.727	315.8E6	1464.7E6	56.572	59.162m
4)	MA Heptachlor	4.928	4.082	303.5E6	1458.8E6	55.671	58.262
5)	MB Aldrin	5.270	4.368	296.6E6	1422.2E6	55.820	58.728
6)	B beta-BHC	4.515	4.025	119.9E6	620.8E6	54.312	57.767
7)	B delta-BHC	4.763	4.261	306.2E6	1464.9E6	59.661	58.895
8)	B Heptachlo...	5.689	4.870	261.2E6	1283.6E6	54.157	58.616m
9)	A Endosulfan I	6.073	5.244	246.3E6	1208.9E6	54.653	58.001m
10)	B gamma-Chl...	5.945	5.122	263.5E6	1370.3E6	55.028	57.281m
11)	B alpha-Chl...	6.025	5.189	262.8E6	1350.2E6	54.321	58.970
12)	B 4,4'-DDE	6.195	5.373	234.3E6	1325.9E6	53.729	57.858
13)	MA Dieldrin	6.346	5.510	259.4E6	1334.6E6	54.061	57.504m
14)	MA Endrin	6.572	5.788	216.8E6	1252.2E6	52.558	57.670
15)	B Endosulfa...	6.784	6.079	212.8E6	1123.7E6	52.727	55.639
16)	A 4,4'-DDD	6.704	5.928	179.2E6	1025.0E6	52.199	53.581
17)	MA 4,4'-DDT	7.019	6.182	188.4E6	1118.9E6	49.740	55.174
18)	B Endrin al...	6.912	6.257	152.4E6	829.0E6	49.749m	54.141
19)	B Endosulfa...	7.147	6.481	192.1E6	1061.7E6	50.064	54.108
20)	A Methoxychlor	7.491	6.752	92536627	546.7E6	45.796	50.772
21)	B Endrin ke...	7.628	6.989	196.3E6	1077.4E6	48.186	49.873
22)	Mirex	8.112	7.182	139.2E6	806.4E6	45.778	48.353m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089377.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

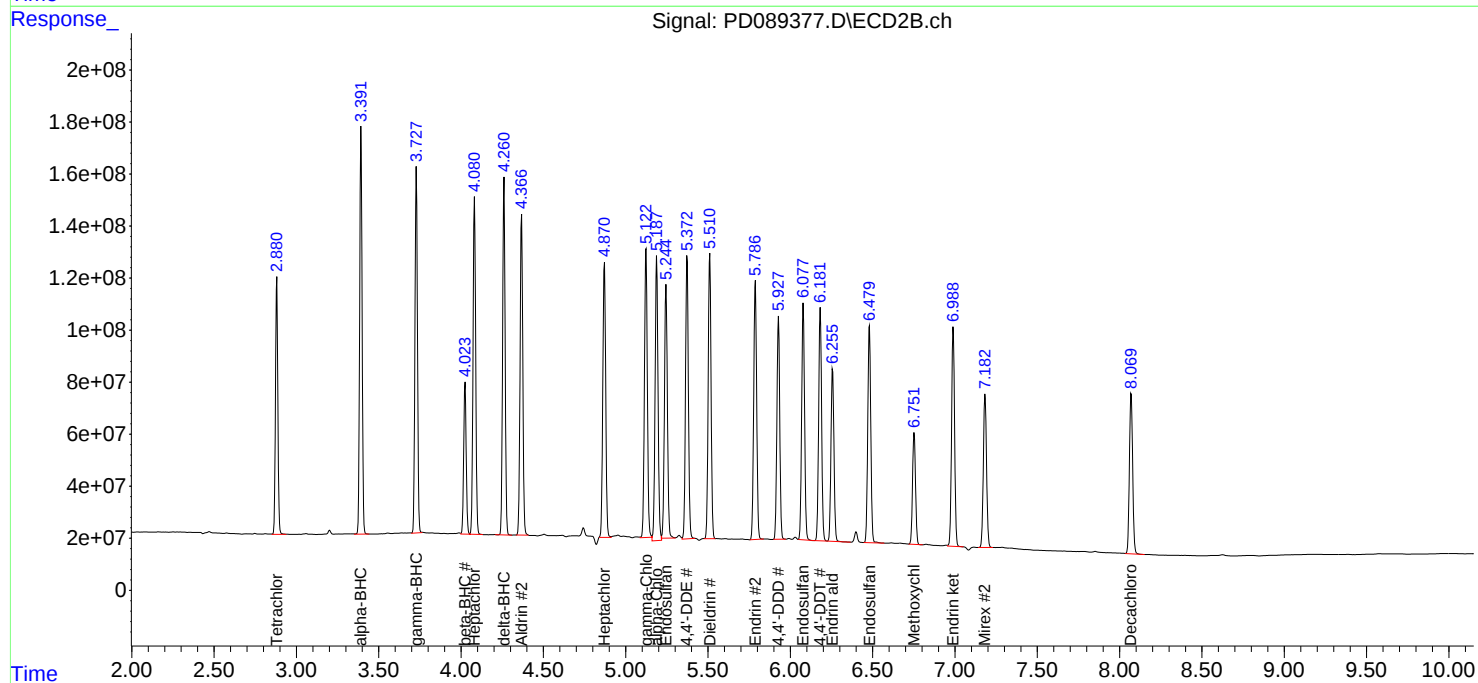
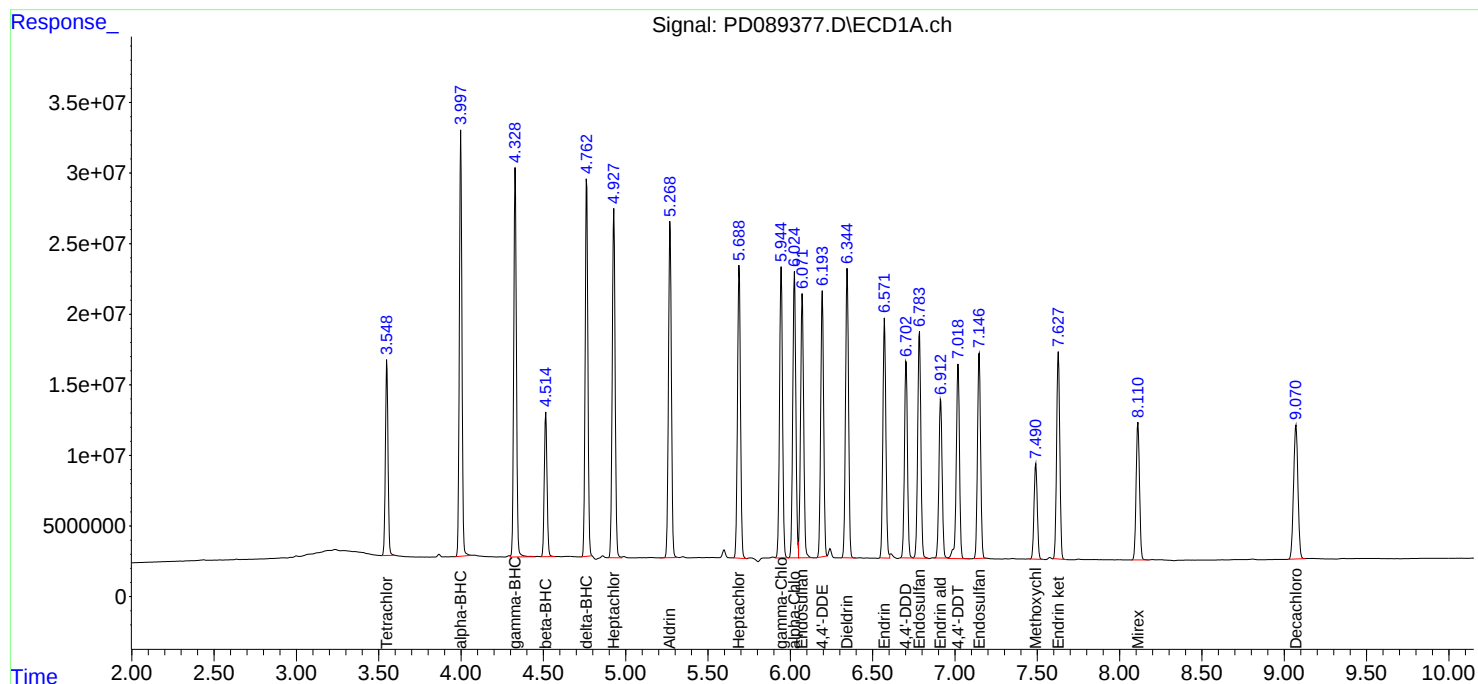
APPROVED

Reviewed By :Abdul Mirza 07/09/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:29:59 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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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

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

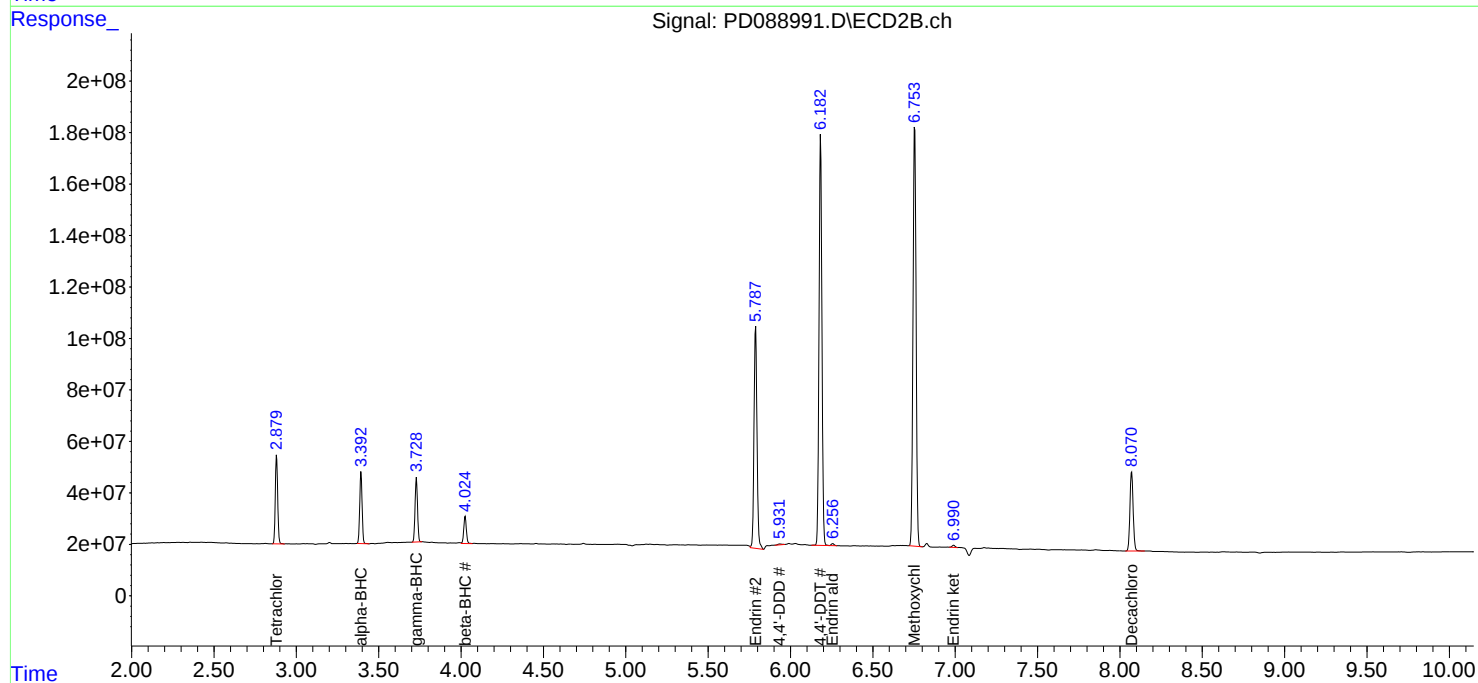
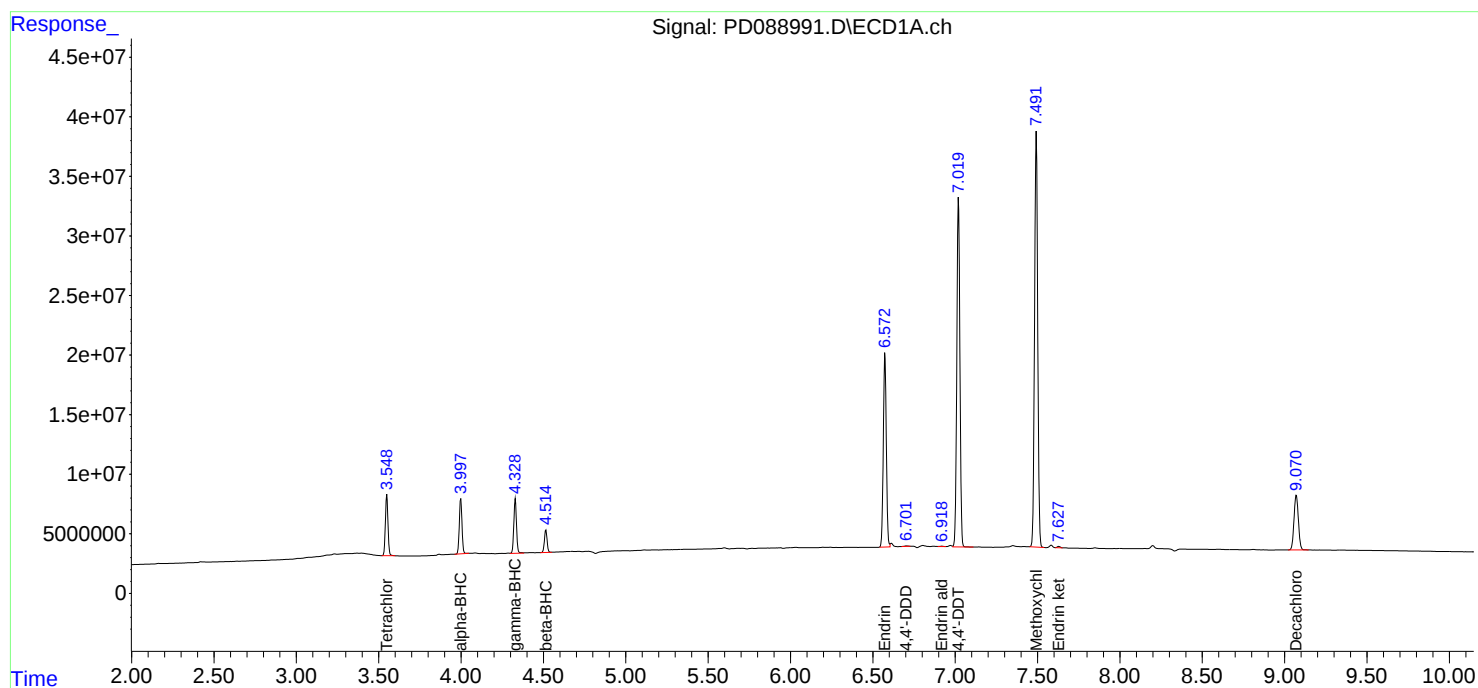
Instrument :
ECD_D
ClientSampleId :
PEM

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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

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

Client Sample No. (PEM): PEM - PD089341.D Date Analyzed: 07/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:48

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.069	8.970	9.170	22.360	20.000	11.8
Tetrachloro-m-xylene	3.548	3.500	3.600	22.130	20.000	10.7
alpha-BHC	3.998	3.950	4.050	10.370	10.000	3.7
beta-BHC	4.514	4.460	4.560	11.480	10.000	14.8
gamma-BHC (Lindane)	4.328	4.280	4.380	10.940	10.000	9.4
Endrin	6.572	6.500	6.640	56.430	50.000	12.9
4,4'-DDT	7.018	6.950	7.090	108.090	100.000	8.1
Methoxychlor	7.491	7.420	7.560	241.700	250.000	-3.3

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

Client Sample No. (PEM): PEM - PD089341.D Date Analyzed: 07/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:48

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.070	7.970	8.170	22.270	20.000	11.4
Tetrachloro-m-xylene	2.880	2.830	2.930	23.940	20.000	19.7
alpha-BHC	3.392	3.340	3.440	12.570	10.000	25.7
beta-BHC	4.024	3.970	4.070	12.570	10.000	25.7
gamma-BHC (Lindane)	3.727	3.680	3.780	12.430	10.000	24.3
Endrin	5.788	5.720	5.860	56.770	50.000	13.5
4,4'-DDT	6.182	6.110	6.250	111.020	100.000	11.0
Methoxychlor	6.752	6.680	6.820	217.880	250.000	-12.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089341.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:48
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:21:58 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...	3.548	2.880	63133425	405.9E6	22.128	23.941
28)	SA Decachlor...	9.069	8.070	87831705	440.2E6	22.363	22.266
Target Compounds							
2)	A alpha-BHC	3.998	3.392	60457597	336.9E6	10.372	12.573
3)	MA gamma-BHC...	4.328	3.727	61041751	307.8E6	10.936	12.432m
6)	B beta-BHC	4.514	4.024	25331152	135.1E6	11.477	12.569
12)	B 4,4'-DDE	6.194	5.375	580825	2497994	0.133m	0.109
14)	MA Endrin	6.572	5.788	232.8E6	1232.7E6	56.435	56.768
16)	A 4,4'-DDD	6.702	5.929	4407107	29936724	1.284	1.565
17)	MA 4,4'-DDT	7.018	6.182	409.5E6	2251.3E6	108.086	111.015
18)	B Endrin al...	6.916	6.254	1123514	11777615	0.367	0.769m#
20)	A Methoxychlor	7.491	6.752	488.4E6	2346.1E6	241.702	217.878
21)	B Endrin ke...	7.626	6.988	3172088	24733467	0.779m	1.145m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:48
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

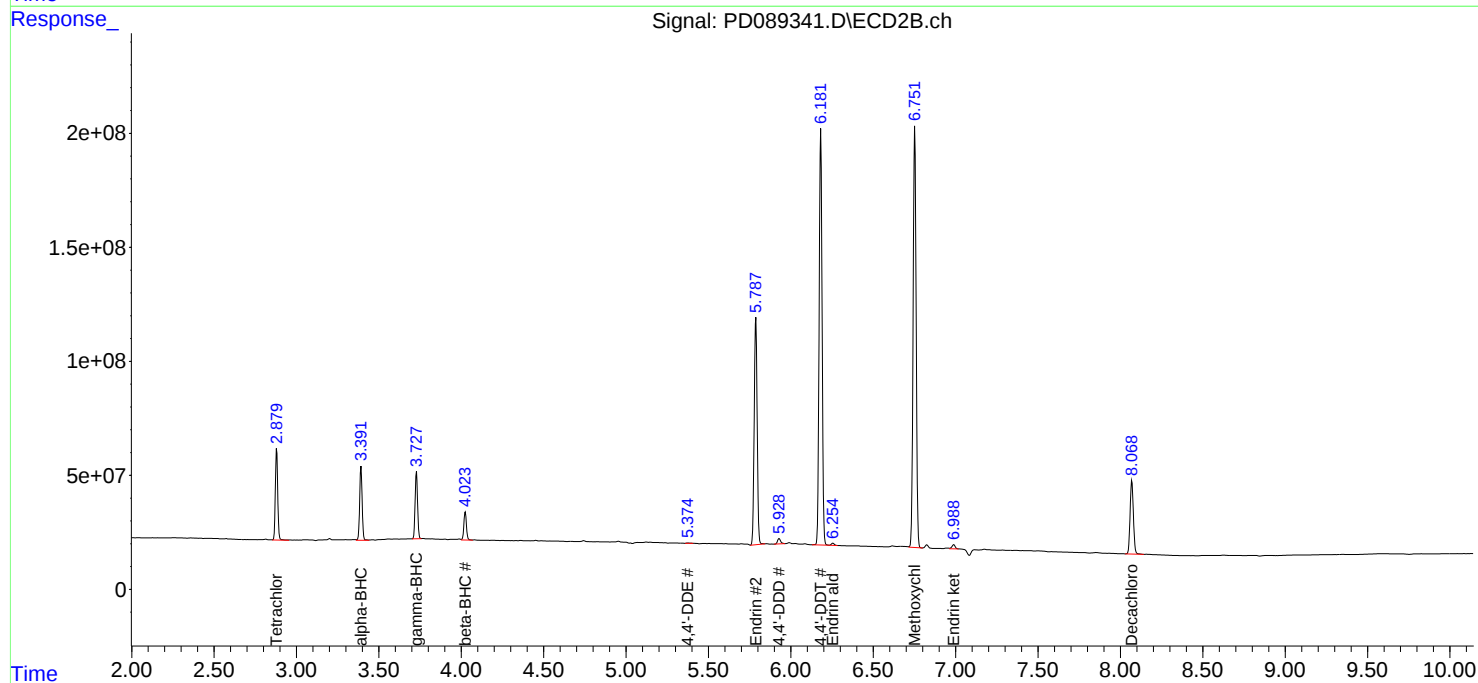
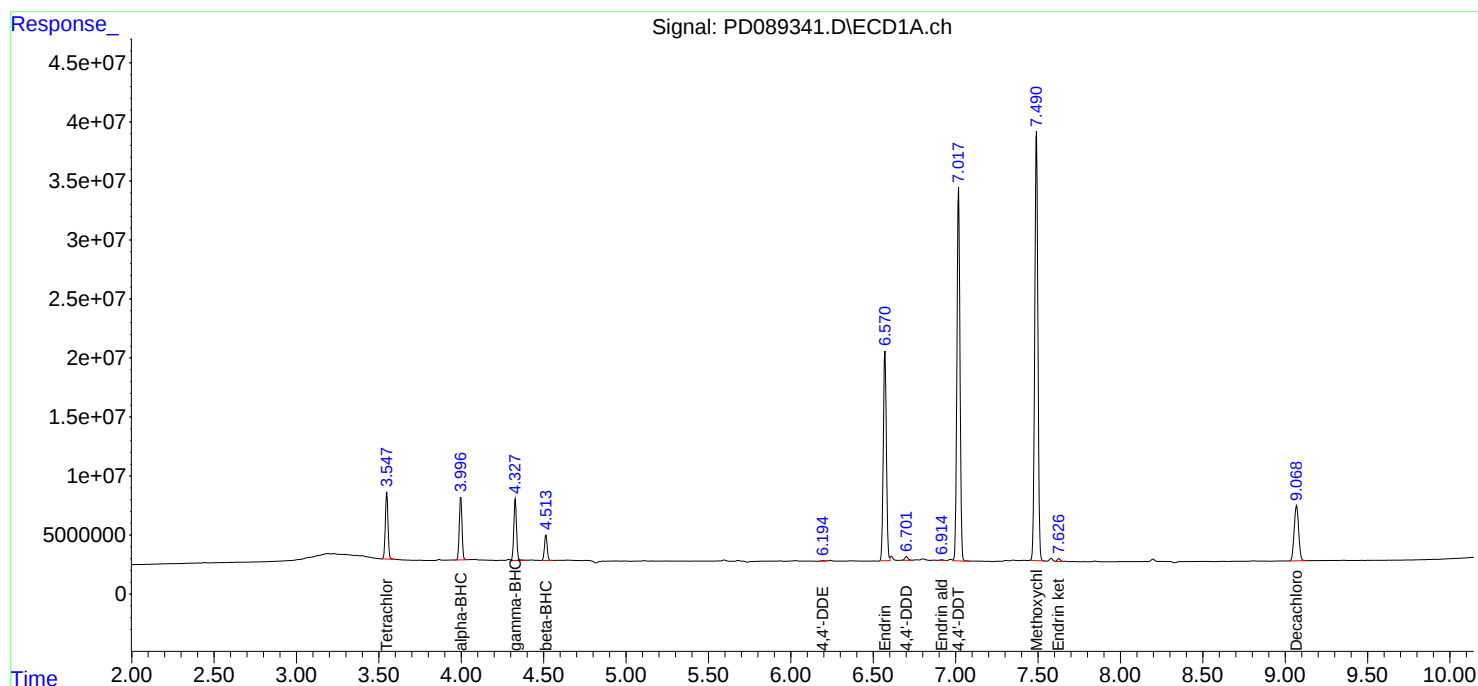
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:21:58 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



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

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

Client Sample No. (PEM): PEM - PD089368.D Date Analyzed: 07/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:46

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.071	8.970	9.170	18.640	20.000	-6.8
Tetrachloro-m-xylene	3.550	3.500	3.600	22.170	20.000	10.9
alpha-BHC	3.999	3.950	4.050	10.380	10.000	3.8
beta-BHC	4.515	4.460	4.570	11.320	10.000	13.2
gamma-BHC (Lindane)	4.330	4.280	4.380	10.810	10.000	8.1
Endrin	6.573	6.500	6.640	50.760	50.000	1.5
4,4'-DDT	7.020	6.950	7.090	93.780	100.000	-6.2
Methoxychlor	7.492	7.420	7.560	209.510	250.000	-16.2

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

Client Sample No. (PEM): PEM - PD089368.D Date Analyzed: 07/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 19:46

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.070	7.970	8.170	17.220	20.000	-13.9
Tetrachloro-m-xylene	2.881	2.830	2.930	24.710	20.000	23.6
alpha-BHC	3.393	3.340	3.440	13.230	10.000	32.3
beta-BHC	4.025	3.970	4.080	12.720	10.000	27.2
gamma-BHC (Lindane)	3.728	3.680	3.780	12.690	10.000	26.9
Endrin	5.788	5.720	5.860	54.990	50.000	10.0
4,4'-DDT	6.182	6.110	6.250	100.920	100.000	0.9
Methoxychlor	6.752	6.680	6.820	197.940	250.000	-20.8

Data File: PEM
 Operator: PD089368.D Date Acquired 7/7/2025 19:46
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	209395960	212799574.2	3403614.26	Down 1.60
Endrin aldehyde	6.91	626753.945			
Endrin ketone	7.63	2776860.311			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1194113771	1221807029	27693258.3	2.27
Endrin aldehyde #2	6.25	10536017.98			
Endrin ketone #2	6.99	17157240.32			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	355268229.9	359442680.7	4174450.81	1.16
4,4'-DDE	6.19	478215.12			
4,4'-DDD	6.70	3696235.693			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2046580341	2075554811	28974470	1.40
4,4'-DDE #2	5.38	2571887.656			
4,4'-DDD #2	5.93	26402582.33			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089368.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 19:46
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:27:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	63265613	418.9E6	22.174	24.707
28)	SA Decachlor...	9.071	8.070	73205443	340.3E6	18.639	17.215
Target Compounds							
2)	A alpha-BHC	3.999	3.393	60514691	354.4E6	10.382	13.225 #
3)	MA gamma-BHC...	4.330	3.728	60327969	314.3E6	10.808	12.694m
6)	B beta-BHC	4.515	4.025	24988086	136.6E6	11.321	12.716
12)	B 4,4'-DDE	6.193	5.376	478215	2571888	0.110m	0.112m
14)	MA Endrin	6.573	5.788	209.4E6	1194.1E6	50.755	54.993
16)	A 4,4'-DDD	6.704	5.929	3696236	26402582	1.077	1.380 #
17)	MA 4,4'-DDT	7.020	6.182	355.3E6	2046.6E6	93.783	100.920
18)	B Endrin al...	6.915	6.254	626754	10536018	0.205m	0.688m#
20)	A Methoxychlor	7.492	6.752	423.3E6	2131.4E6	209.514	197.937
21)	B Endrin ke...	7.627	6.989	2776860	17157240	0.682m	0.794

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 19:46
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

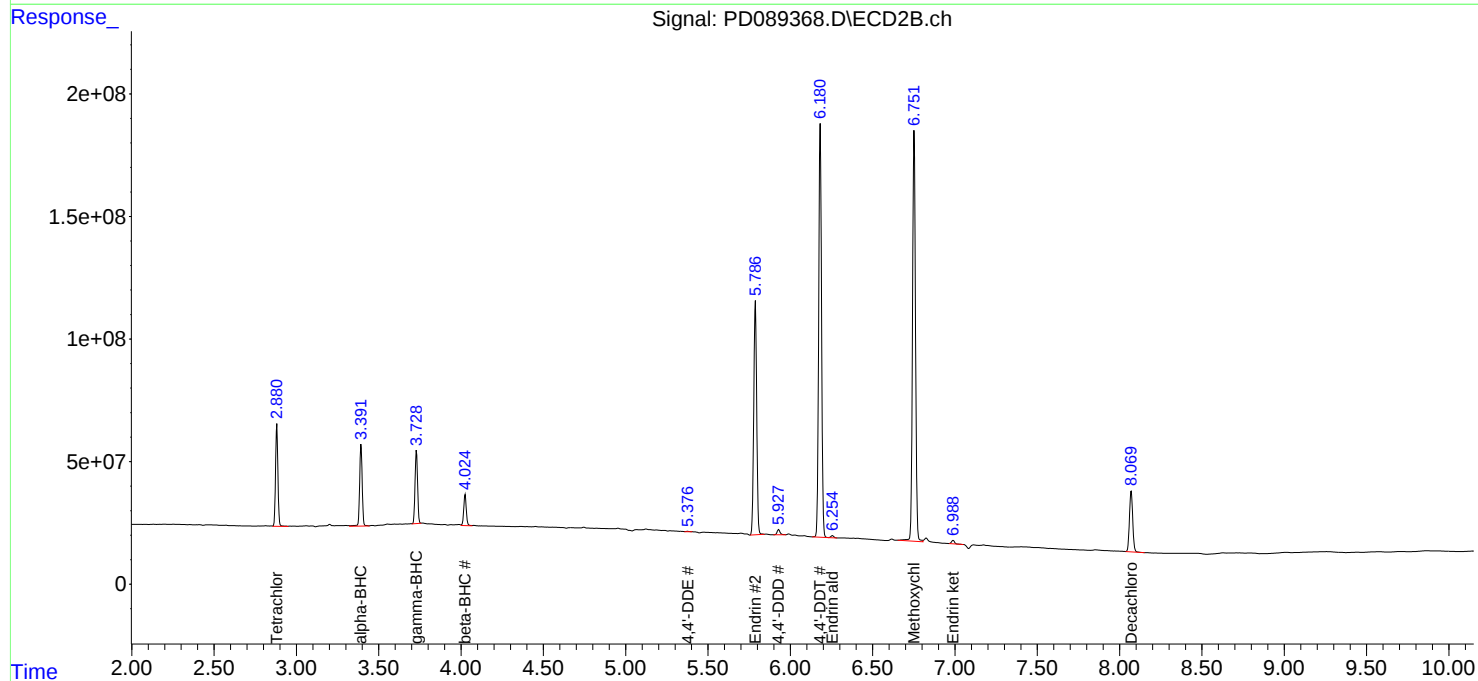
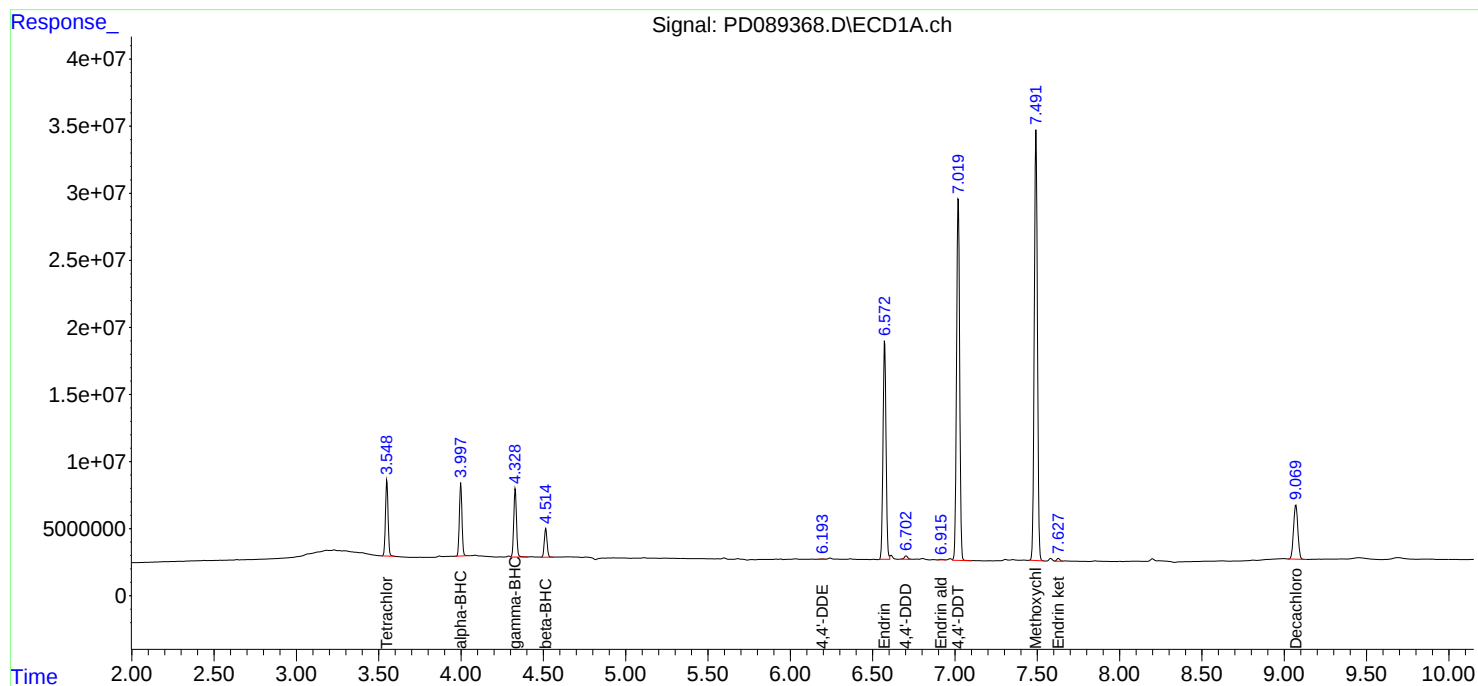
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:27:52 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



Analytical Sequence

Client: CDM Smith	SDG No.: Q2514
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 #
LBLK	LBLK	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
LBLK	LBLK	07/07/2025	11:34	PD089340.D	9.07	3.55
PEM	PEM	07/07/2025	11:48	PD089341.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	12:02	PD089342.D	9.07	3.55
PB168736BL	PB168736BL	07/07/2025	15:07	PD089353.D	9.08	3.55
PB168736BS	PB168736BS	07/07/2025	15:44	PD089354.D	9.08	3.55
LBLK	LBLK	07/07/2025	16:13	PD089356.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	16:27	PD089357.D	9.07	3.55
TP-92	Q2514-01	07/07/2025	17:56	PD089360.D	9.07	3.55
TP-92MS	Q2514-01MS	07/07/2025	18:10	PD089361.D	9.07	3.55
TP-92MSD	Q2514-01MSD	07/07/2025	18:23	PD089362.D	9.07	3.55
TP-93	Q2514-02	07/07/2025	18:37	PD089363.D	9.07	3.55
TP-94	Q2514-03	07/07/2025	18:51	PD089364.D	9.07	3.55
TP-96	Q2514-04	07/07/2025	19:04	PD089365.D	9.07	3.55
TP-97	Q2514-05	07/07/2025	19:18	PD089366.D	9.07	3.55
LBLK	LBLK	07/07/2025	19:32	PD089367.D	9.07	3.55
PEM	PEM	07/07/2025	19:46	PD089368.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	19:59	PD089369.D	9.07	3.55
TP-103	Q2514-06	07/07/2025	20:41	PD089370.D	9.07	3.55
TP-36	Q2514-07	07/07/2025	20:54	PD089371.D	9.07	3.55
TP-78	Q2514-08	07/07/2025	21:08	PD089372.D	9.07	3.55
TP-81	Q2514-09	07/07/2025	21:22	PD089373.D	9.07	3.55
TP-90	Q2514-10	07/07/2025	21:35	PD089374.D	9.07	3.55
LBLK	LBLK	07/07/2025	22:03	PD089376.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	22:17	PD089377.D	9.07	3.55

Analytical Sequence

Client: CDM Smith	SDG No.: Q2514
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 #
IBLK	IBLK	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
IBLK	IBLK	07/07/2025	11:34	PD089340.D	8.07	2.88
PEM	PEM	07/07/2025	11:48	PD089341.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	12:02	PD089342.D	8.07	2.88
PB168736BL	PB168736BL	07/07/2025	15:07	PD089353.D	8.07	2.88
PB168736BS	PB168736BS	07/07/2025	15:44	PD089354.D	8.07	2.88
IBLK	IBLK	07/07/2025	16:13	PD089356.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	16:27	PD089357.D	8.07	2.88
TP-92	Q2514-01	07/07/2025	17:56	PD089360.D	8.07	2.88
TP-92MS	Q2514-01MS	07/07/2025	18:10	PD089361.D	8.07	2.88
TP-92MSD	Q2514-01MSD	07/07/2025	18:23	PD089362.D	8.07	2.88
TP-93	Q2514-02	07/07/2025	18:37	PD089363.D	8.07	2.88
TP-94	Q2514-03	07/07/2025	18:51	PD089364.D	8.07	2.88
TP-96	Q2514-04	07/07/2025	19:04	PD089365.D	8.07	2.88
TP-97	Q2514-05	07/07/2025	19:18	PD089366.D	8.07	2.88
IBLK	IBLK	07/07/2025	19:32	PD089367.D	8.07	2.88
PEM	PEM	07/07/2025	19:46	PD089368.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	19:59	PD089369.D	8.07	2.88
TP-103	Q2514-06	07/07/2025	20:41	PD089370.D	8.07	2.88
TP-36	Q2514-07	07/07/2025	20:54	PD089371.D	8.07	2.88
TP-78	Q2514-08	07/07/2025	21:08	PD089372.D	8.07	2.88
TP-81	Q2514-09	07/07/2025	21:22	PD089373.D	8.07	2.88
TP-90	Q2514-10	07/07/2025	21:35	PD089374.D	8.07	2.88
IBLK	IBLK	07/07/2025	22:03	PD089376.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	22:17	PD089377.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168736BS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: PB168736BS

Date(s) Analyzed: 07/07/2025

07/07/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	16.3	7.7
	2	5.93	5.88	5.98	17.6	
4,4'-DDE	1	6.20	6.15	6.25	16.0	13.4
	2	5.37	5.32	5.42	18.3	
4,4'-DDT	1	7.02	6.97	7.07	16.0	7.2
	2	6.18	6.13	6.23	17.2	
alpha-BHC	1	4.00	3.95	4.05	17.9	4.9
	2	3.39	3.34	3.44	18.8	
Aldrin	1	5.27	5.22	5.32	17.6	6.6
	2	4.37	4.32	4.42	18.8	
alpha-Chlordane	1	6.03	5.98	6.08	16.8	9.6
	2	5.19	5.14	5.24	18.5	
Endosulfan II	1	6.79	6.74	6.84	16.6	4.7
	2	6.08	6.03	6.13	17.4	
Endosulfan sulfate	1	7.15	7.10	7.20	15.8	5.5
	2	6.48	6.43	6.53	16.7	
beta-BHC	1	4.52	4.47	4.57	17.0	7.4
	2	4.03	3.98	4.08	18.3	
delta-BHC	1	4.77	4.72	4.82	18.7	1.1
	2	4.26	4.21	4.31	18.9	
Endosulfan I	1	6.08	6.03	6.13	16.8	10.7
	2	5.25	5.20	5.30	18.7	
Dieldrin	1	6.35	6.30	6.40	16.6	8.6
	2	5.51	5.46	5.56	18.1	
Endrin aldehyde	1	6.92	6.87	6.97	16.1	4.8
	2	6.26	6.21	6.31	16.9	
Methoxychlor	1	7.50	7.45	7.55	14.6	8.5
	2	6.75	6.70	6.80	15.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168736BS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: PB168736BS

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.63	7.58	7.68	15.4	2.6
	2	6.99	6.94	7.04	15.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.8	5.5
	2	3.73	3.68	3.78	18.8	
Heptachlor	1	4.93	4.88	4.98	17.9	3.8
	2	4.08	4.03	4.13	18.6	
Heptachlor epoxide	1	5.69	5.64	5.74	17.1	10.5
	2	4.87	4.82	4.92	19.0	
gamma-Chlordane	1	5.95	5.90	6.00	16.9	9.6
	2	5.13	5.08	5.18	18.6	
Endrin	1	6.58	6.53	6.63	16.4	5.9
	2	5.79	5.74	5.84	17.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: Q2514-01MS

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor	1	4.93	4.88	4.98	15.5	10.4
	2	4.08	4.03	4.13	17.2	
Aldrin	1	5.27	5.22	5.32	15.2	11.8
	2	4.37	4.32	4.42	17.1	
beta-BHC	1	4.52	4.47	4.57	15.8	9.6
	2	4.03	3.98	4.08	17.4	
delta-BHC	1	4.76	4.71	4.81	16.9	1.2
	2	4.26	4.21	4.31	17.1	
Heptachlor epoxide	1	5.69	5.64	5.74	14.3	13.7
	2	4.87	4.82	4.92	16.4	
Endosulfan I	1	6.07	6.02	6.12	14.0	12.1
	2	5.25	5.20	5.30	15.8	
gamma-Chlordane	1	5.95	5.90	6.00	13.9	12.2
	2	5.12	5.07	5.17	15.7	
alpha-Chlordane	1	6.03	5.98	6.08	13.9	11.5
	2	5.19	5.14	5.24	15.6	
4,4'-DDE	1	6.20	6.15	6.25	13.7	11.7
	2	5.37	5.32	5.42	15.4	
Dieldrin	1	6.35	6.30	6.40	13.4	10.6
	2	5.51	5.46	5.56	14.9	
Endrin	1	6.57	6.52	6.62	13.6	2.9
	2	5.79	5.74	5.84	14.0	
Endosulfan II	1	6.79	6.74	6.84	13.2	1.5
	2	6.08	6.03	6.13	13.0	
4,4'-DDD	1	6.70	6.65	6.75	13.0	0.8
	2	5.93	5.88	5.98	12.9	
4,4'-DDT	1	7.02	6.97	7.07	12.2	5.6
	2	6.18	6.13	6.23	12.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: Q2514-01MS

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin aldehyde	1	6.91	6.86	6.96	12.8	0
	2	6.26	6.21	6.31	12.8	
Endosulfan sulfate	1	7.15	7.10	7.20	12.9	0.8
	2	6.48	6.43	6.53	13.0	
Methoxychlor	1	7.49	7.44	7.54	11.1	8.6
	2	6.75	6.70	6.80	12.1	
Endrin ketone	1	7.63	7.58	7.68	12.2	8.5
	2	6.99	6.94	7.04	11.2	
alpha-BHC	1	4.00	3.95	4.05	16.0	11.2
	2	3.39	3.34	3.44	17.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.3	8.8
	2	3.73	3.68	3.78	17.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MSD

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: Q2514-01MSD

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	13.3	4.4
	2	6.08	6.03	6.13	13.9	
4,4'-DDD	1	6.70	6.65	6.75	13.4	2.2
	2	5.93	5.88	5.98	13.7	
4,4'-DDT	1	7.02	6.97	7.07	12.8	9
	2	6.18	6.13	6.23	14.0	
Endrin aldehyde	1	6.91	6.86	6.96	13.5	0.7
	2	6.26	6.21	6.31	13.6	
Endosulfan sulfate	1	7.15	7.10	7.20	12.6	7.6
	2	6.48	6.43	6.53	13.6	
alpha-BHC	1	4.00	3.95	4.05	16.4	8.7
	2	3.39	3.34	3.44	17.9	
Aldrin	1	5.27	5.22	5.32	15.7	10.3
	2	4.37	4.32	4.42	17.4	
beta-BHC	1	4.52	4.47	4.57	15.8	11.3
	2	4.02	3.97	4.07	17.7	
delta-BHC	1	4.76	4.71	4.81	17.6	1.7
	2	4.26	4.21	4.31	17.3	
Endosulfan I	1	6.07	6.02	6.12	14.5	15.3
	2	5.25	5.20	5.30	16.9	
alpha-Chlordane	1	6.03	5.98	6.08	14.5	13.5
	2	5.19	5.14	5.24	16.6	
4,4'-DDE	1	6.20	6.15	6.25	14.0	14
	2	5.37	5.32	5.42	16.1	
Dieldrin	1	6.35	6.30	6.40	13.8	10.3
	2	5.51	5.46	5.56	15.3	
Endrin	1	6.57	6.52	6.62	14.0	5.6
	2	5.79	5.74	5.84	14.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MSD

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: Q2514-01MSD

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	12.1	7.2
	2	6.75	6.70	6.80	13.0	
Endrin ketone	1	7.63	7.58	7.68	12.6	3.2
	2	6.99	6.94	7.04	12.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.3	9.4
	2	3.73	3.68	3.78	17.9	
Heptachlor	1	4.93	4.88	4.98	16.3	6.5
	2	4.08	4.03	4.13	17.4	
Heptachlor epoxide	1	5.69	5.64	5.74	14.7	13.9
	2	4.87	4.82	4.92	16.9	
gamma-Chlordane	1	5.95	5.90	6.00	14.7	9.1
	2	5.12	5.07	5.17	16.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-93

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: Q2514-02

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
alpha-Chlordane	1	6.03	5.98	6.08	0.36	17.1
	2	5.19	5.14	5.24	0.30	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-94

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: Q2514-03

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	0.39	34.5
	2	6.18	6.13	6.23	0.55	
4,4'-DDE	1	6.20	6.15	6.25	0.23	56.6
	2	5.37	5.32	5.42	0.42	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-96

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab Sample ID: Q2514-04

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

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	0.24	32.9
	2	6.18	6.13	6.23	0.33	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BL	SDG No.:	Q2514
Lab Sample ID:	PB168736BL	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
PD089353.D	1	07/07/25 08:30	07/07/25 15:07	PB168736

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	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		19 - 148	99%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BL	SDG No.:	Q2514
Lab Sample ID:	PB168736BL	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
PD089353.D	1	07/07/25 08:30	07/07/25 15:07	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089353.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 15:07
Operator : AR\AJ
Sample : PB168736BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168736BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:25:02 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	48267992	335.8E6	16.918	19.808
28)	SA Decachlor...	9.076	8.072	60347718	279.2E6	15.365	14.123

Target Compounds

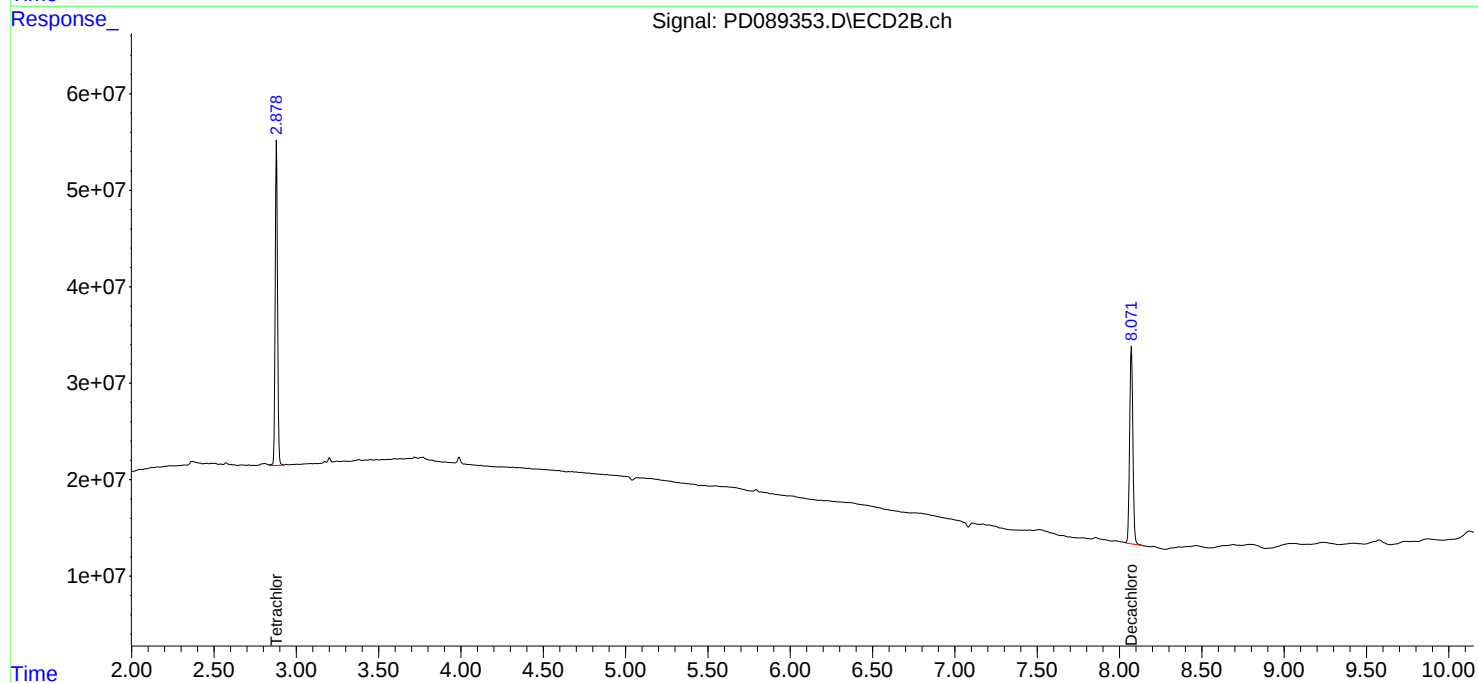
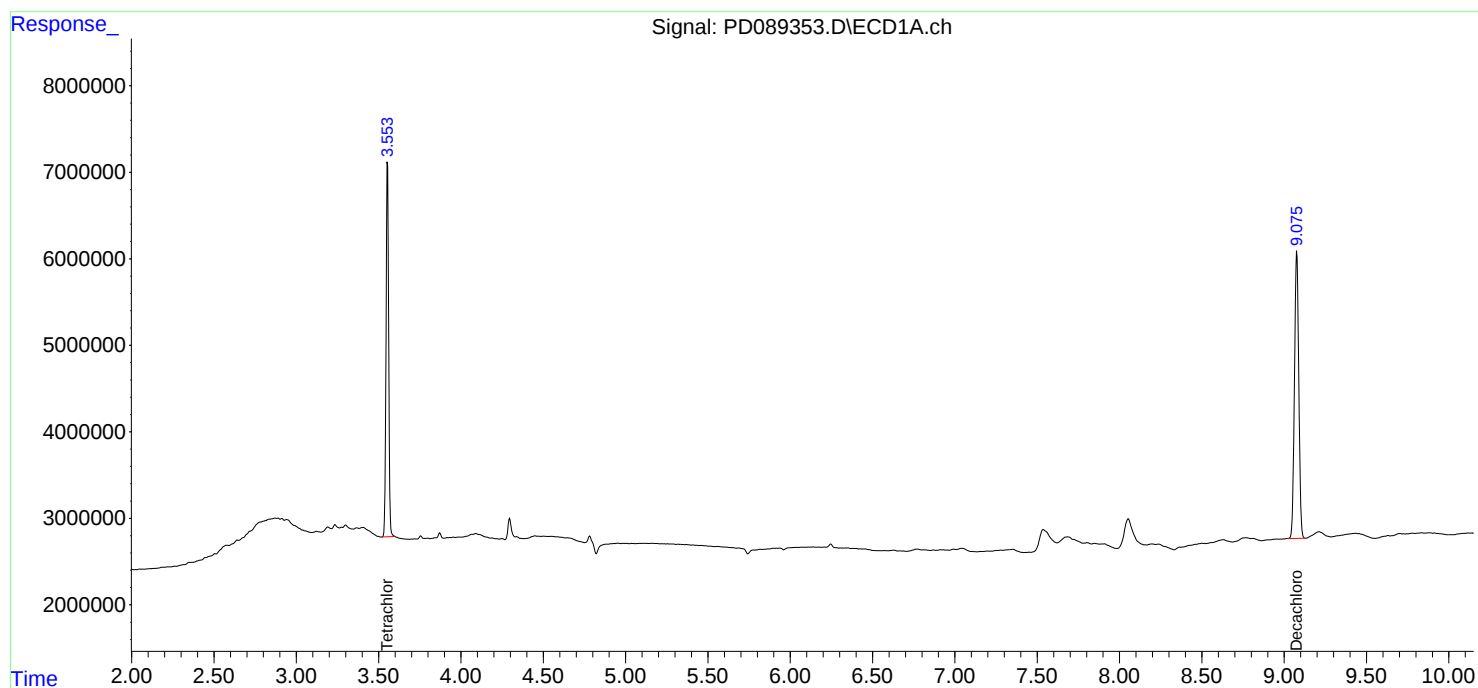
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

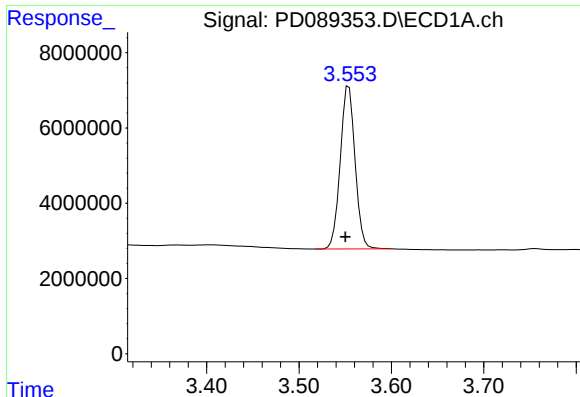
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089353.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 15:07
Operator : AR\AJ
Sample : PB168736BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168736BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:25:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

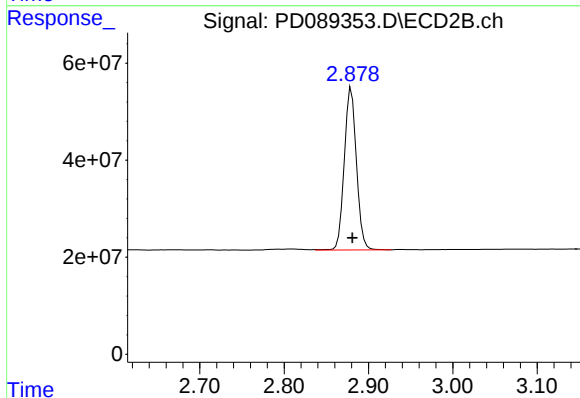




#1 Tetrachloro-m-xylene

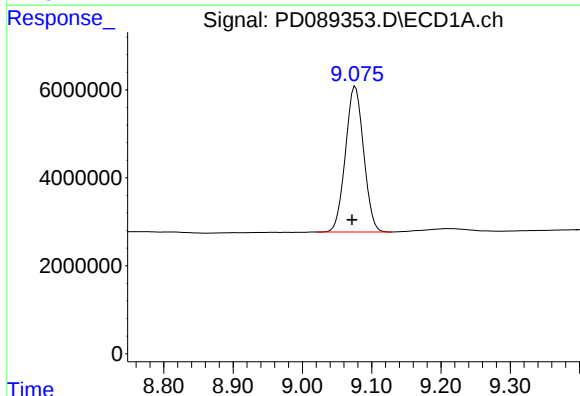
R.T.: 3.554 min
Delta R.T.: 0.004 min
Response: 48267992
Conc: 16.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168736BL



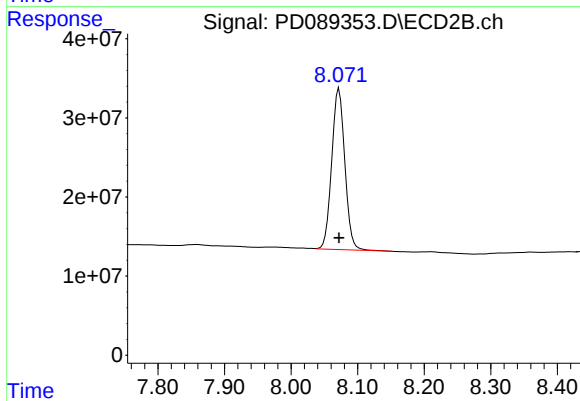
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 335809627
Conc: 19.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.005 min
Response: 60347718
Conc: 15.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 279207301
Conc: 14.12 ng/ml

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.:	Q2514
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

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.:	Q2514
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\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

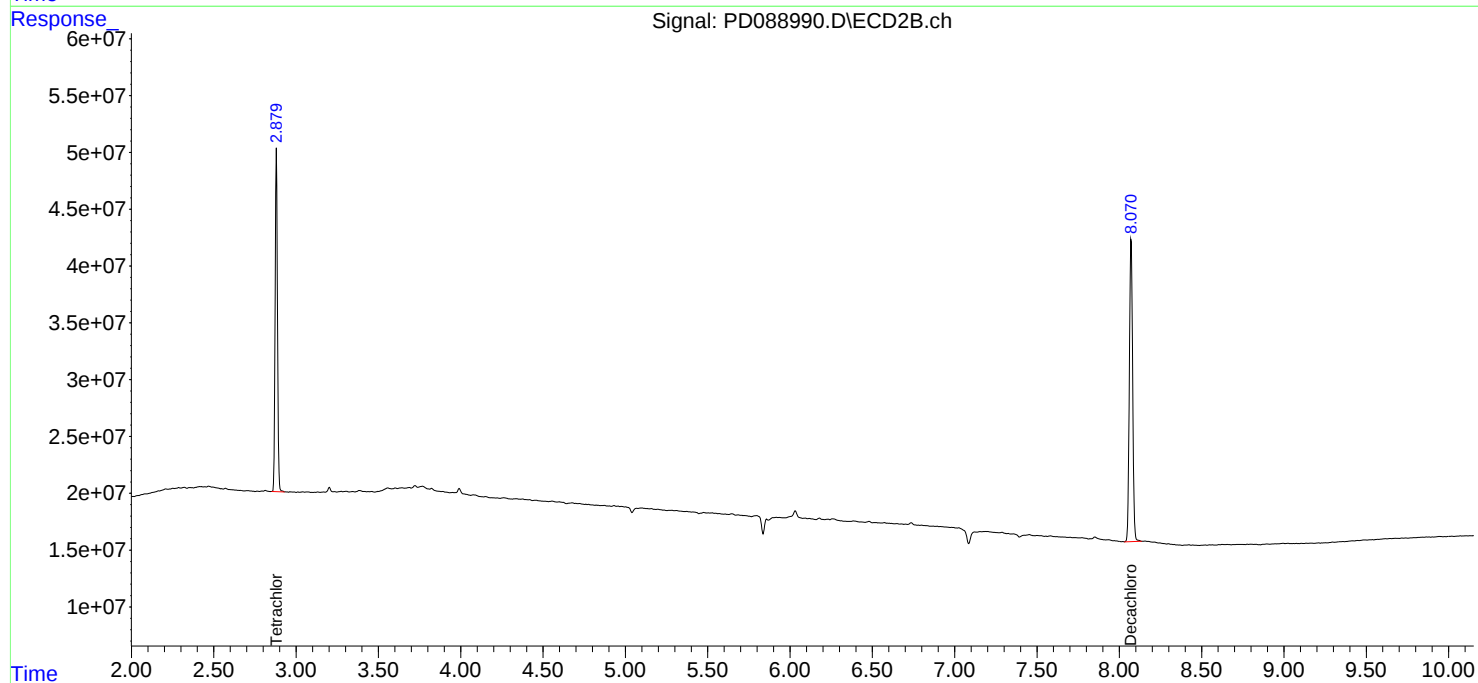
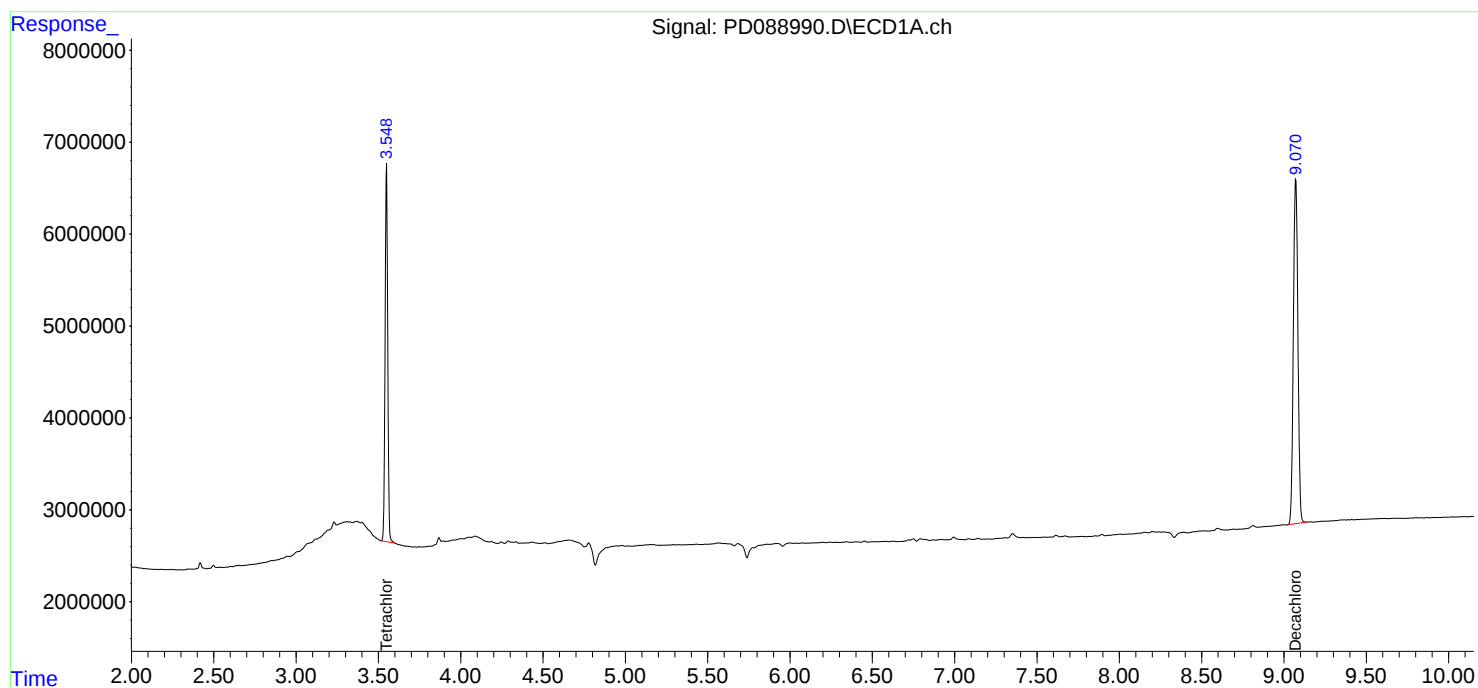
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

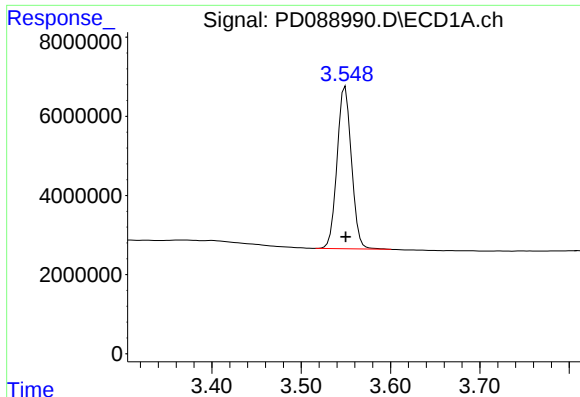
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061825\
Data File : PD088990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jun 2025 15:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

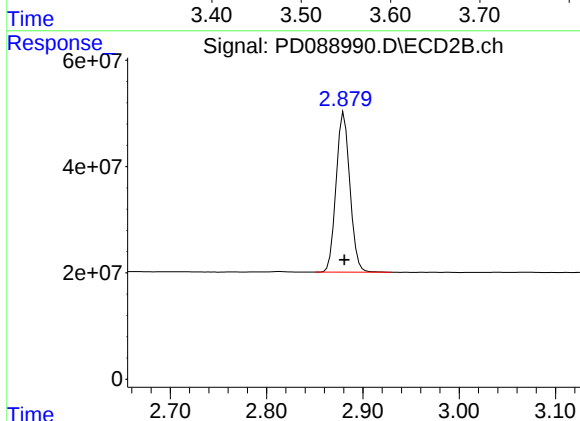




#1 Tetrachloro-m-xylene

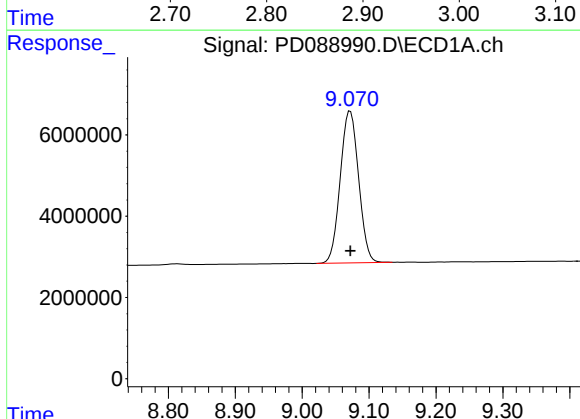
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45828945
Conc: 16.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



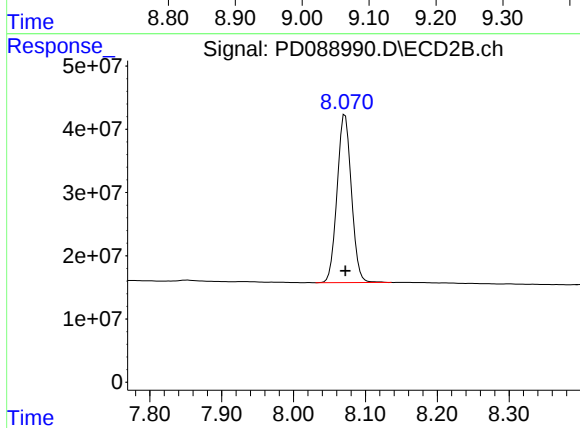
#1 Tetrachloro-m-xylene

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089340.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089340.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
PD089340.D	1		07/07/25	Pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.0		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		61 - 148	106%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089340.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089340.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089340.D	1		07/07/25	Pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:34
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 07 13:21:11 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...	3.548	2.880	53321906	358.7E6	18.689	21.161
28)	SA Decachlor...	9.068	8.070	78459667	395.1E6	19.976	19.987

Target Compounds

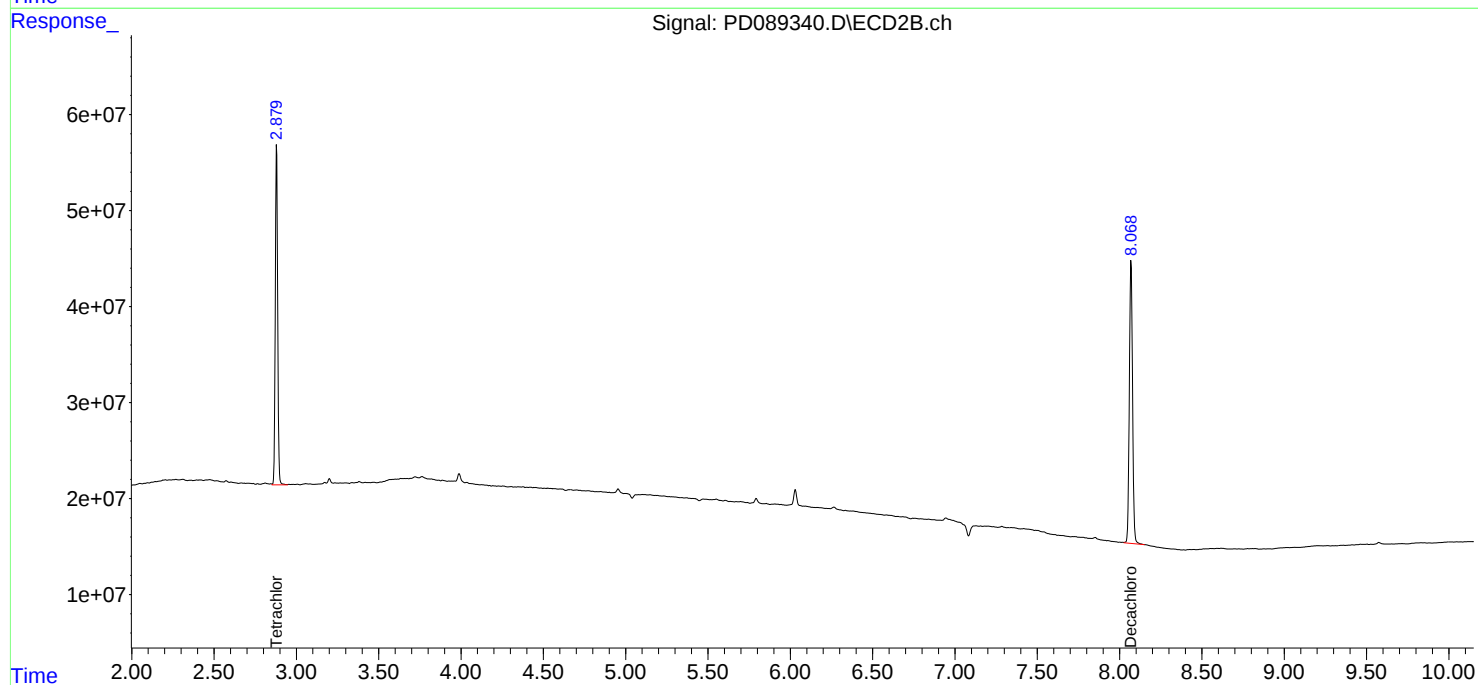
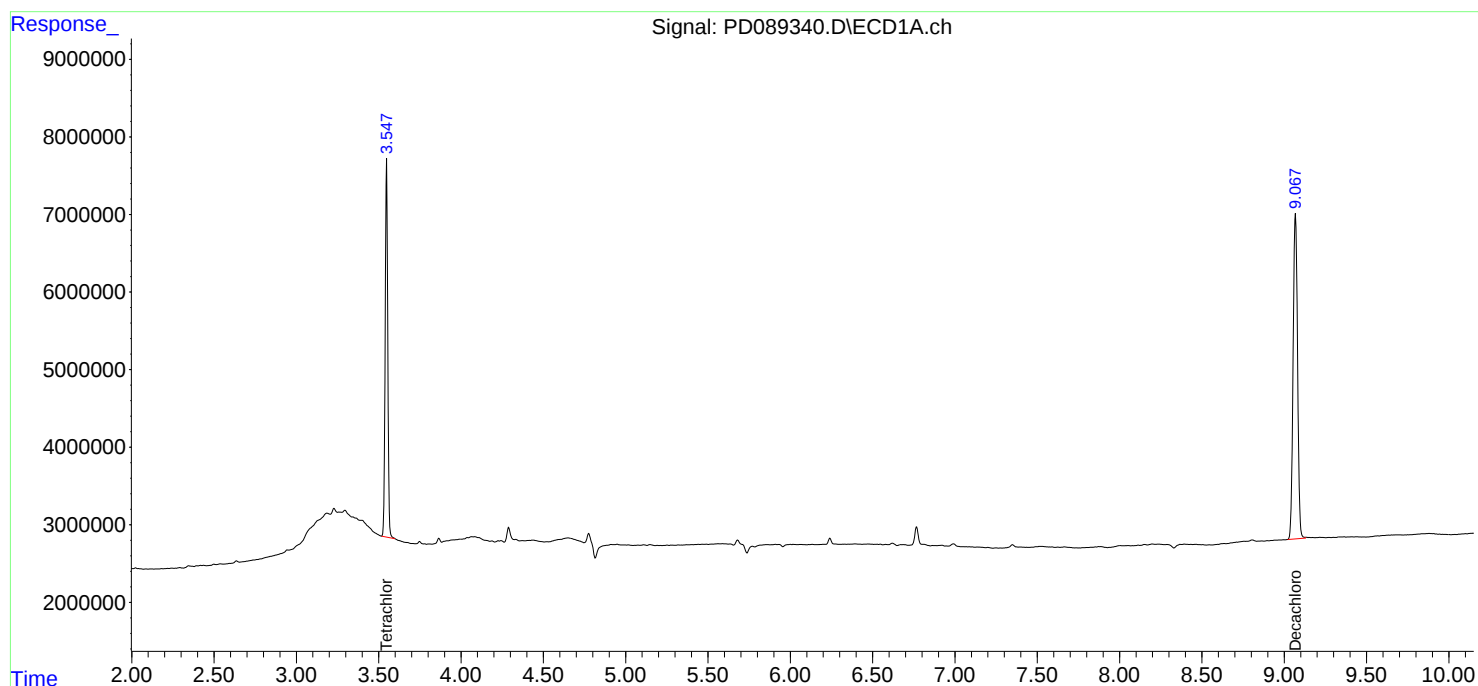
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

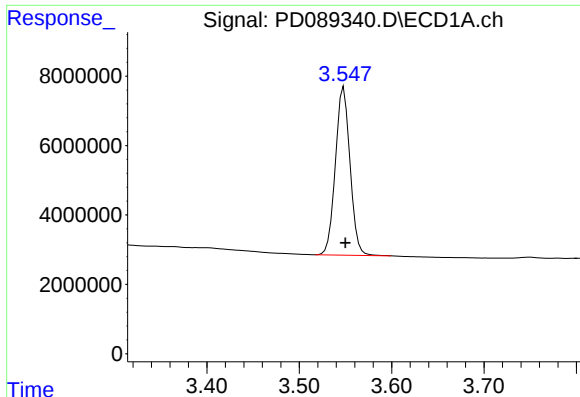
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089340.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:21:11 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

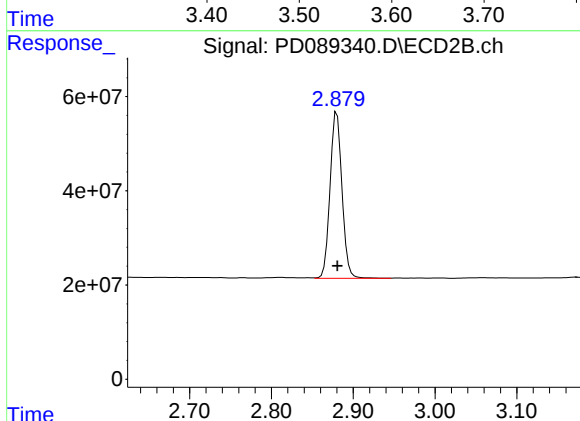




#1 Tetrachloro-m-xylene

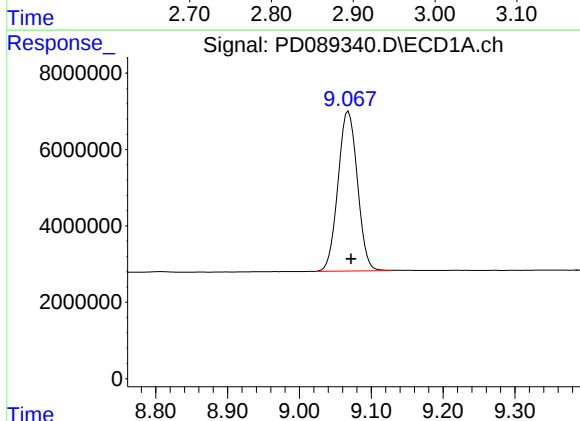
R.T.: 3.548 min
Delta R.T.: -0.002 min
Response: 53321906
Conc: 18.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



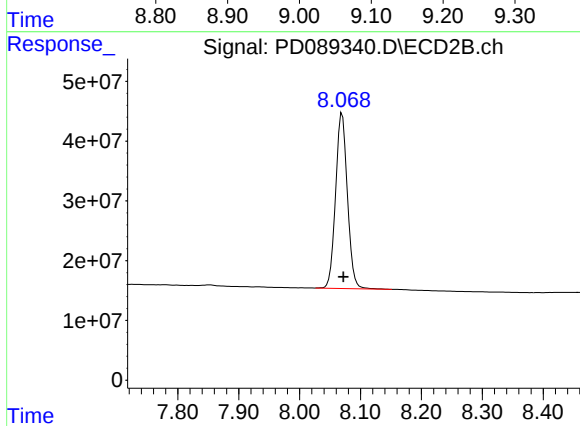
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 358742513
Conc: 21.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.004 min
Response: 78459667
Conc: 19.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 395139443
Conc: 19.99 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089356.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089356.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
PD089356.D	1		07/07/25	pd070725

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	17.9		57 - 171	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		61 - 148	111%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089356.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089356.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089356.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089356.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 16:13
 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 08 02:25:38 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	54221019	376.7E6	19.004	22.223
28)	SA Decachlor...	9.071	8.070	70233156	324.7E6	17.882	16.425

Target Compounds

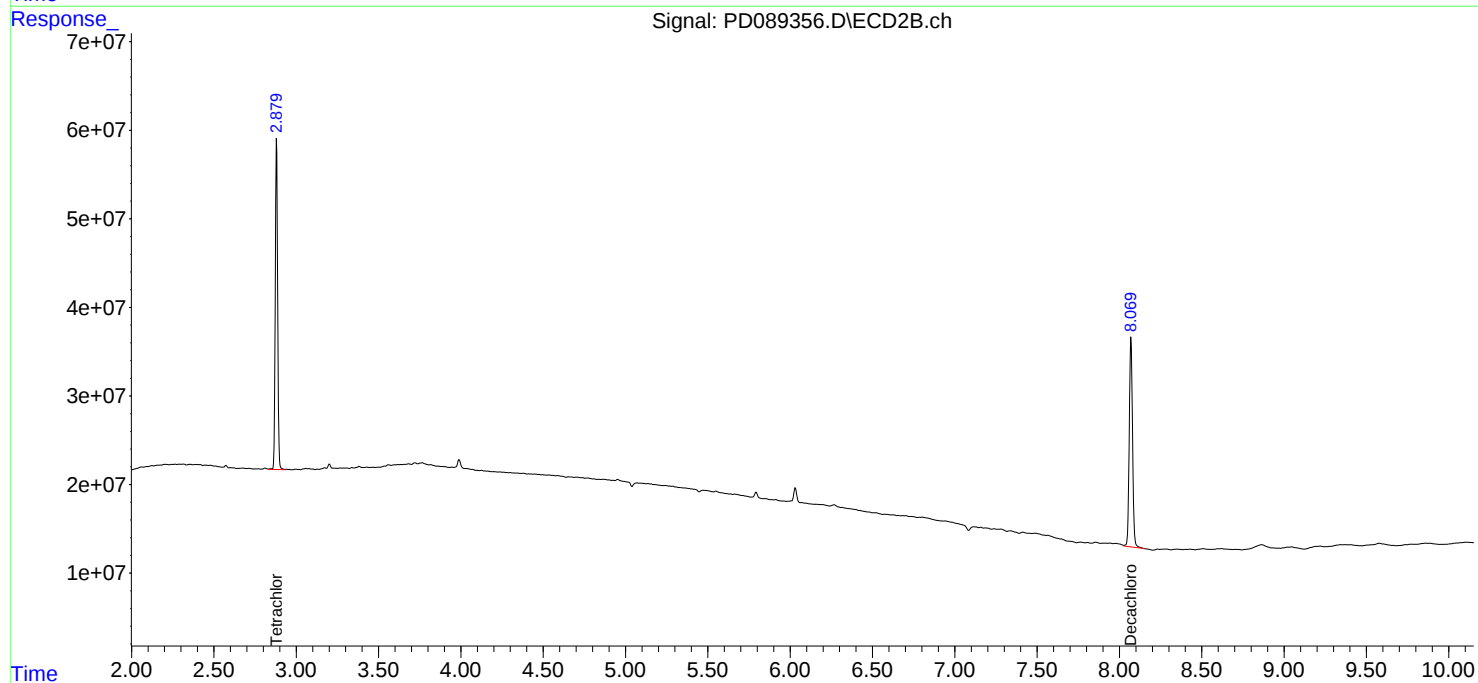
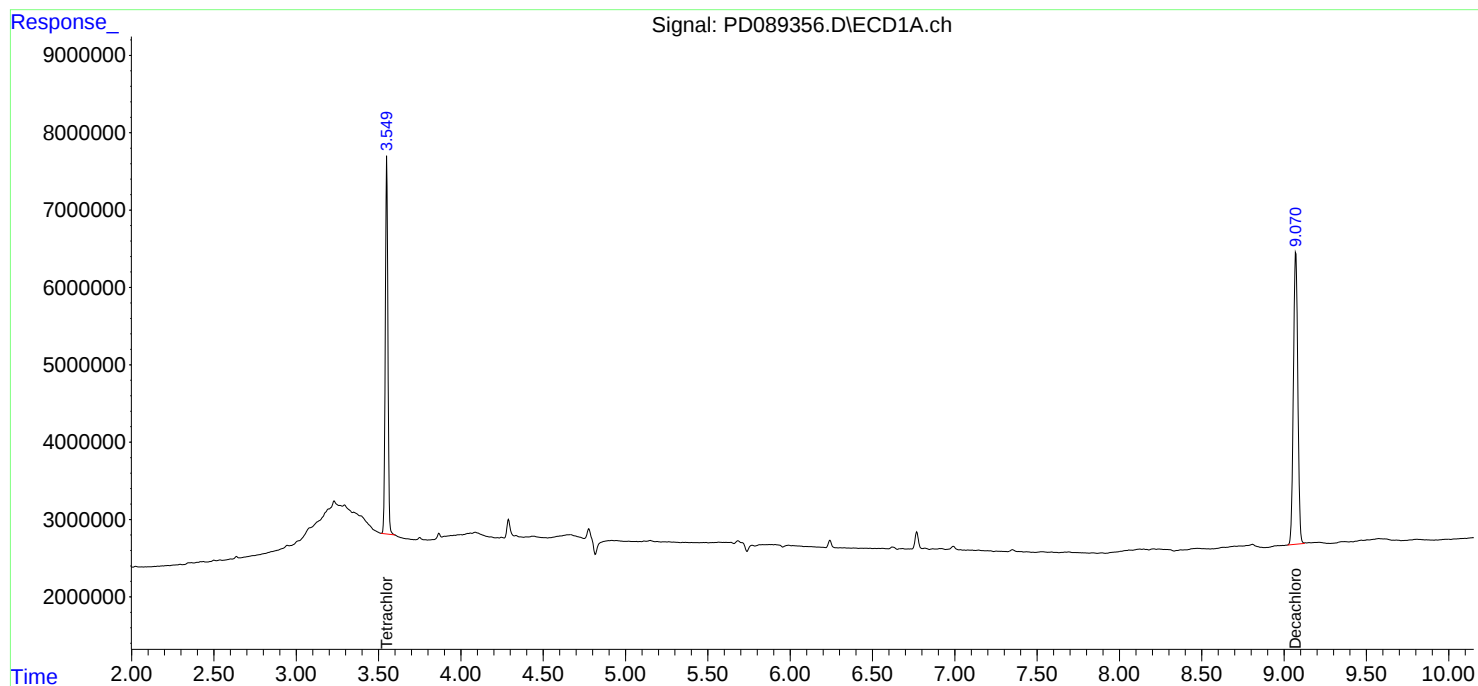
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

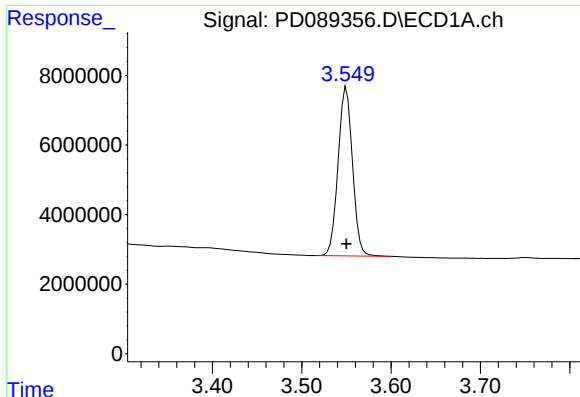
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089356.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 16:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:25:38 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

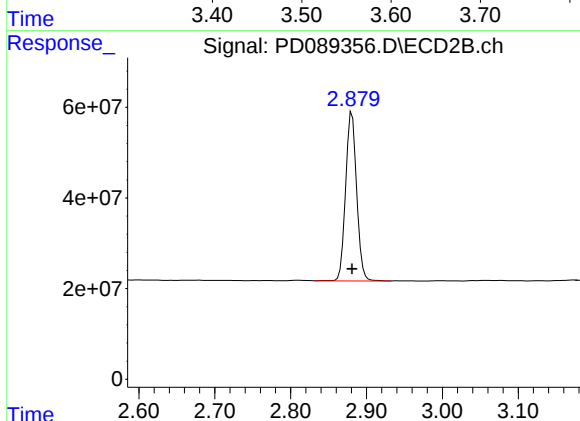




#1 Tetrachloro-m-xylene

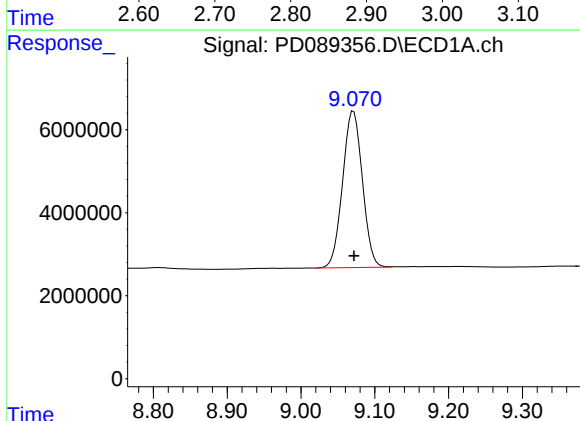
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 54221019
Conc: 19.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



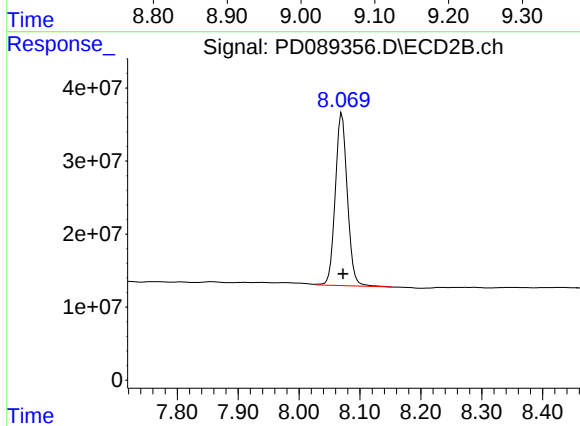
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 376744587
Conc: 22.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 70233156
Conc: 17.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 324728017
Conc: 16.43 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089367.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089367.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089367.D	1		07/07/25	pd070725

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	17.4		57 - 171	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		61 - 148	109%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089367.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089367.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089367.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 19:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:27:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	54649640	369.2E6	19.154	21.777
28)	SA Decachlor...	9.071	8.071	68186846	293.6E6	17.361	14.850

Target Compounds

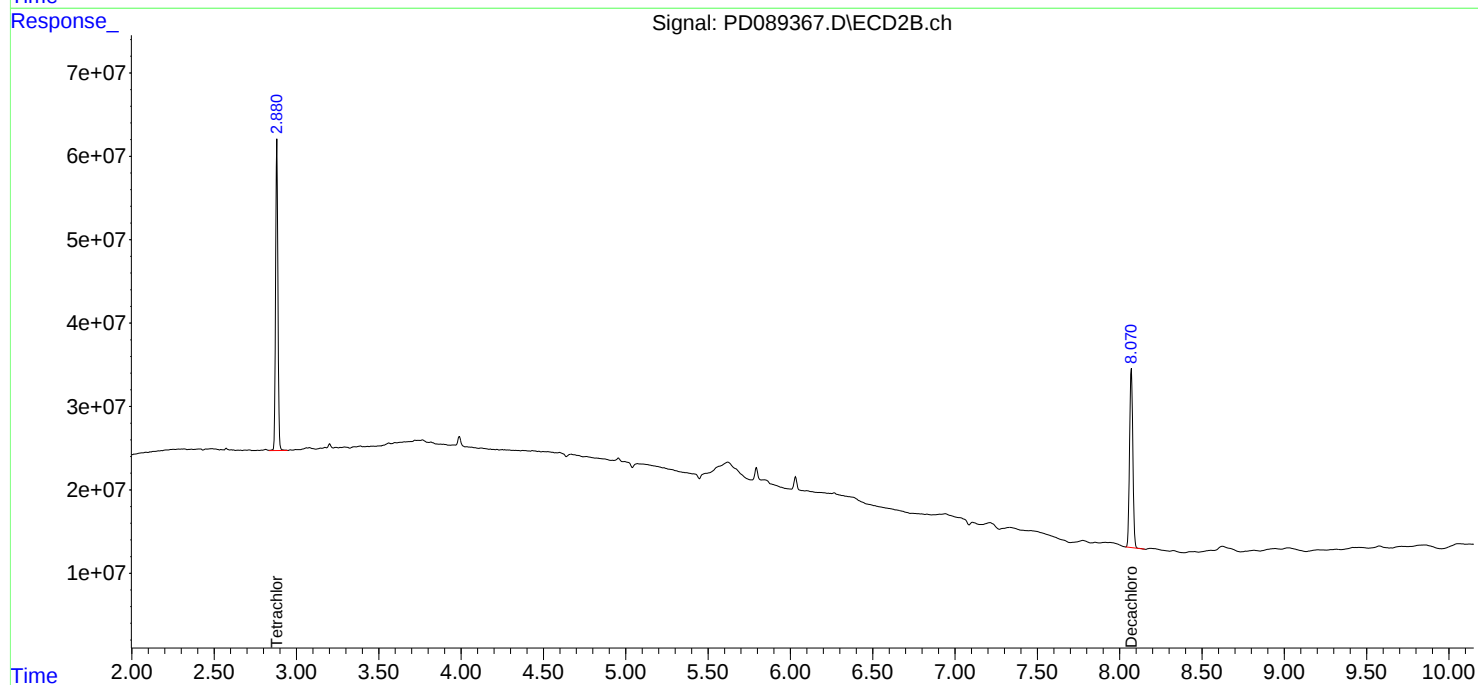
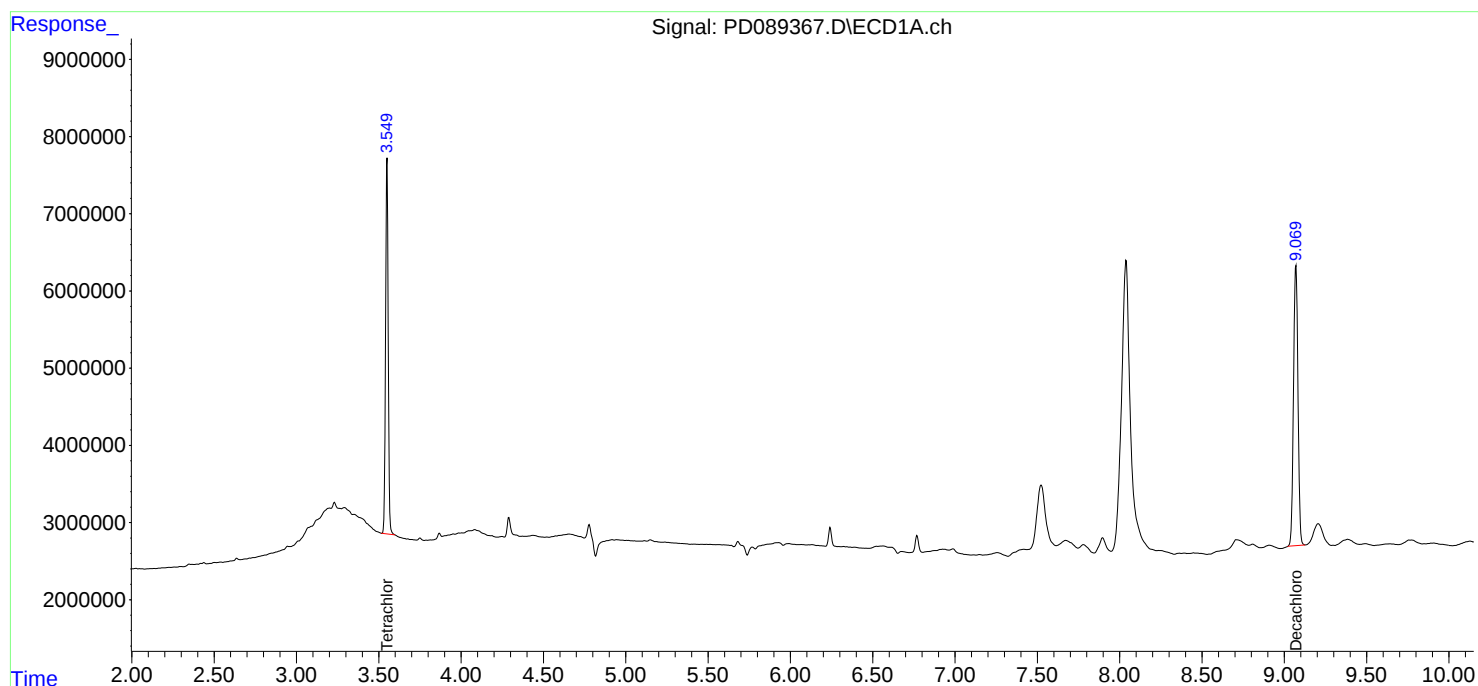
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

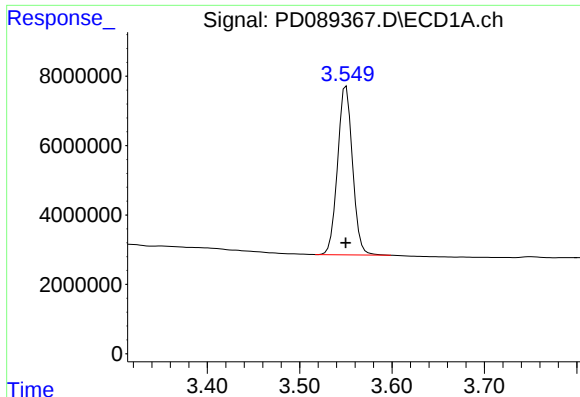
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 19:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:27:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

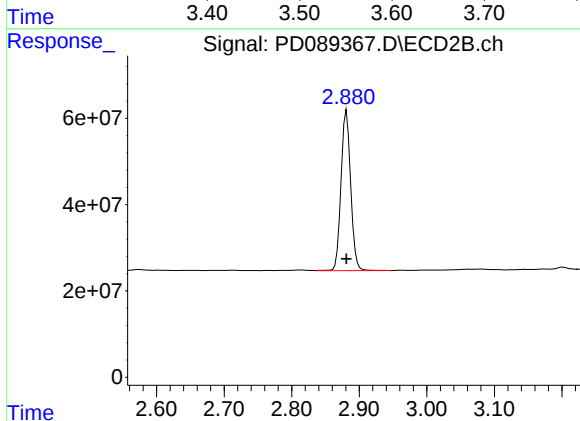




#1 Tetrachloro-m-xylene

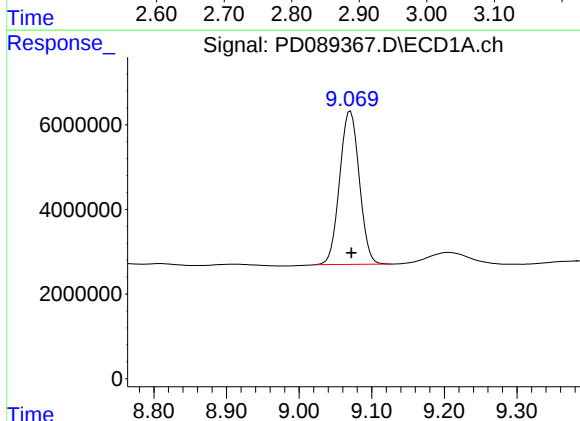
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 54649640
Conc: 19.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



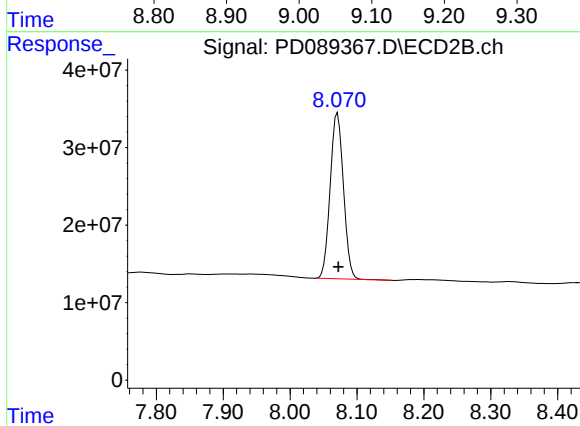
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 369192475
Conc: 21.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 68186846
Conc: 17.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 293581425
Conc: 14.85 ng/ml

Report of Analysis

Client:	CDM Smith			Date Collected:	07/07/25		
Project:	South River WM Replacement			Date Received:	07/07/25		
Client Sample ID:	PIBLK-PD089376.D			SDG No.:	Q2514		
Lab Sample ID:	I.BLK-PD089376.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
PD089376.D	1		07/07/25	pd070725

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	18.2		57 - 171	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		61 - 148	112%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089376.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089376.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089376.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:03
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 08 02:29:47 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	54551954	380.2E6	19.120	22.424
28)	SA Decachlor...	9.072	8.071	71593977	334.8E6	18.228	16.934

Target Compounds

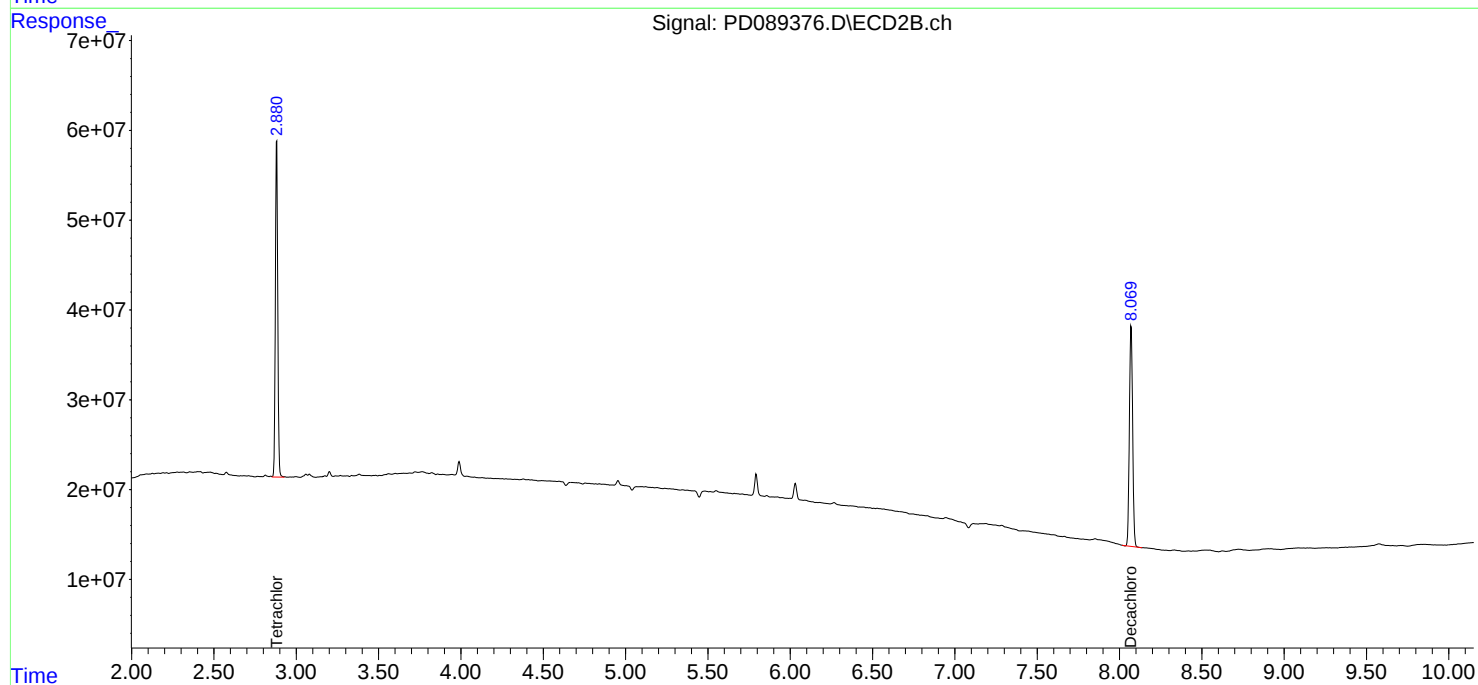
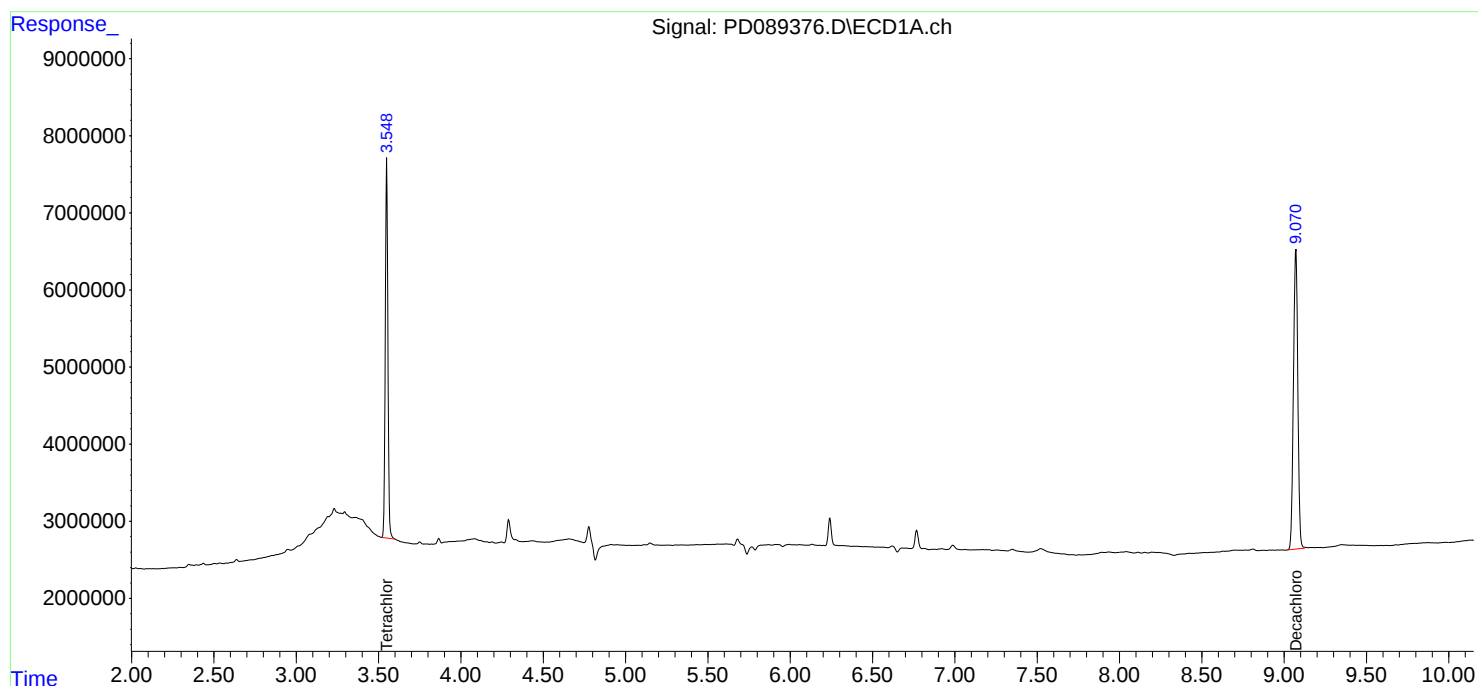
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

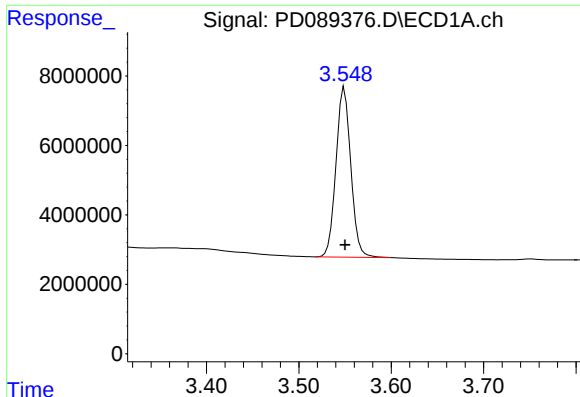
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 22:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:29:47 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

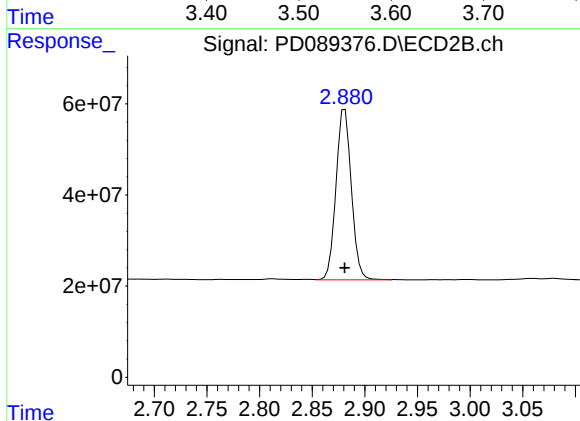




#1 Tetrachloro-m-xylene

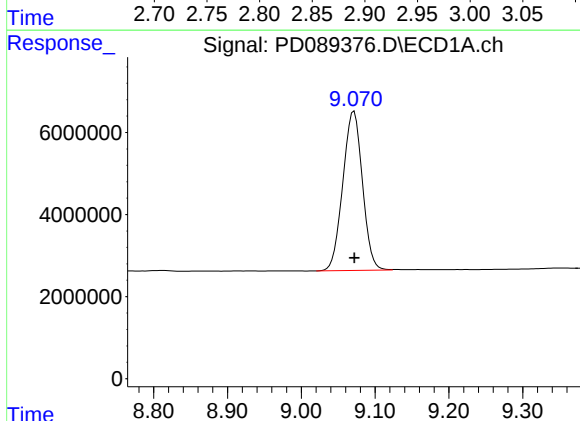
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 54551954
Conc: 19.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



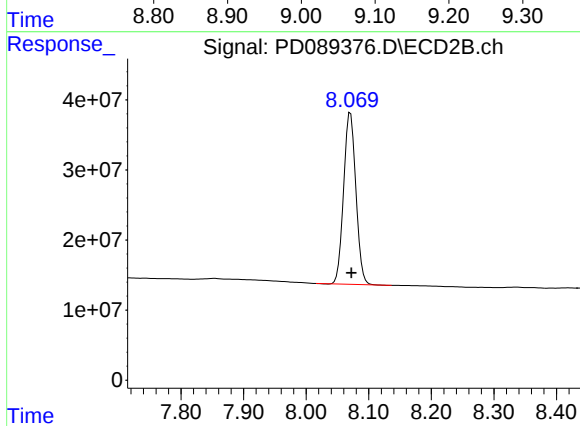
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 380151080
Conc: 22.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 71593977
Conc: 18.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 334789144
Conc: 16.93 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BS	SDG No.:	Q2514
Lab Sample ID:	PB168736BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089354.D	1	07/07/25 08:30	07/07/25 15:44	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.8		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.3		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.8		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.6		0.12	1.70	ug/kg
309-00-2	Aldrin	18.8		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	19.0		0.19	1.70	ug/kg
959-98-8	Endosulfan I	18.7		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.1		0.14	1.70	ug/kg
72-55-9	4,4-DDE	18.3		0.14	1.70	ug/kg
72-20-8	Endrin	17.4		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.4		0.29	1.70	ug/kg
72-54-8	4,4-DDD	17.6		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.7		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.2		0.14	1.70	ug/kg
72-43-5	Methoxychlor	15.9		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	15.8		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.9		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.5		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.6		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		20 - 144	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		19 - 148	99%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168736BS		SDG No.:	Q2514	
Lab Sample ID:	PB168736BS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089354.D	1	07/07/25 08:30	07/07/25 15:44	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089354.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 15:44
 Operator : AR\AJ
 Sample : PB168736BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168736BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/08/2025
 Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:25:11 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...	3.553	2.880	46402467	336.1E6	16.264	19.826
28)	SA Decachlor...	9.077	8.072	62044738	294.5E6	15.797	14.896
Target Compounds							
2)	A alpha-BHC	4.003	3.392	312.5E6	1516.5E6	53.618	56.593
3)	MA gamma-BHC...	4.334	3.727	297.6E6	1396.4E6	53.309	56.406m
4)	MA Heptachlor	4.933	4.082	292.5E6	1399.5E6	53.650	55.895
5)	MB Aldrin	5.274	4.368	280.6E6	1370.2E6	52.814	56.578
6)	B beta-BHC	4.519	4.025	112.9E6	591.6E6	51.168	55.051
7)	B delta-BHC	4.768	4.262	288.2E6	1410.3E6	56.153	56.697
8)	B Heptachlo...	5.694	4.872	248.0E6	1247.2E6	51.405	56.956
9)	A Endosulfan I	6.077	5.246	227.0E6	1167.4E6	50.358	56.012
10)	B gamma-Chl...	5.949	5.125	242.8E6	1333.4E6	50.706	55.739
11)	B alpha-Chl...	6.030	5.189	244.0E6	1270.0E6	50.427	55.468
12)	B 4,4'-DDE	6.199	5.374	209.2E6	1260.6E6	47.970	55.011
13)	MA Dieldrin	6.350	5.512	238.8E6	1263.5E6	49.769	54.441
14)	MA Endrin	6.577	5.788	203.2E6	1131.7E6	49.249	52.117
15)	B Endosulfa...	6.789	6.080	201.1E6	1054.5E6	49.831	52.212
16)	A 4,4'-DDD	6.708	5.929	167.7E6	1012.9E6	48.876	52.952
17)	MA 4,4'-DDT	7.024	6.183	181.7E6	1046.2E6	47.971	51.588
18)	B Endrin al...	6.918	6.258	148.5E6	778.7E6	48.455	50.858
19)	B Endosulfa...	7.153	6.482	182.5E6	985.5E6	47.565	50.227
20)	A Methoxychlor	7.496	6.754	88643045	512.9E6	43.869	47.635
21)	B Endrin ke...	7.634	6.991	187.9E6	1026.0E6	46.137	47.498
22)	Mirex	8.116	7.185	119.5E6	650.4E6	39.301	38.995

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 15:44
Operator : AR\AJ
Sample : PB168736BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168736BS

Manual Integrations

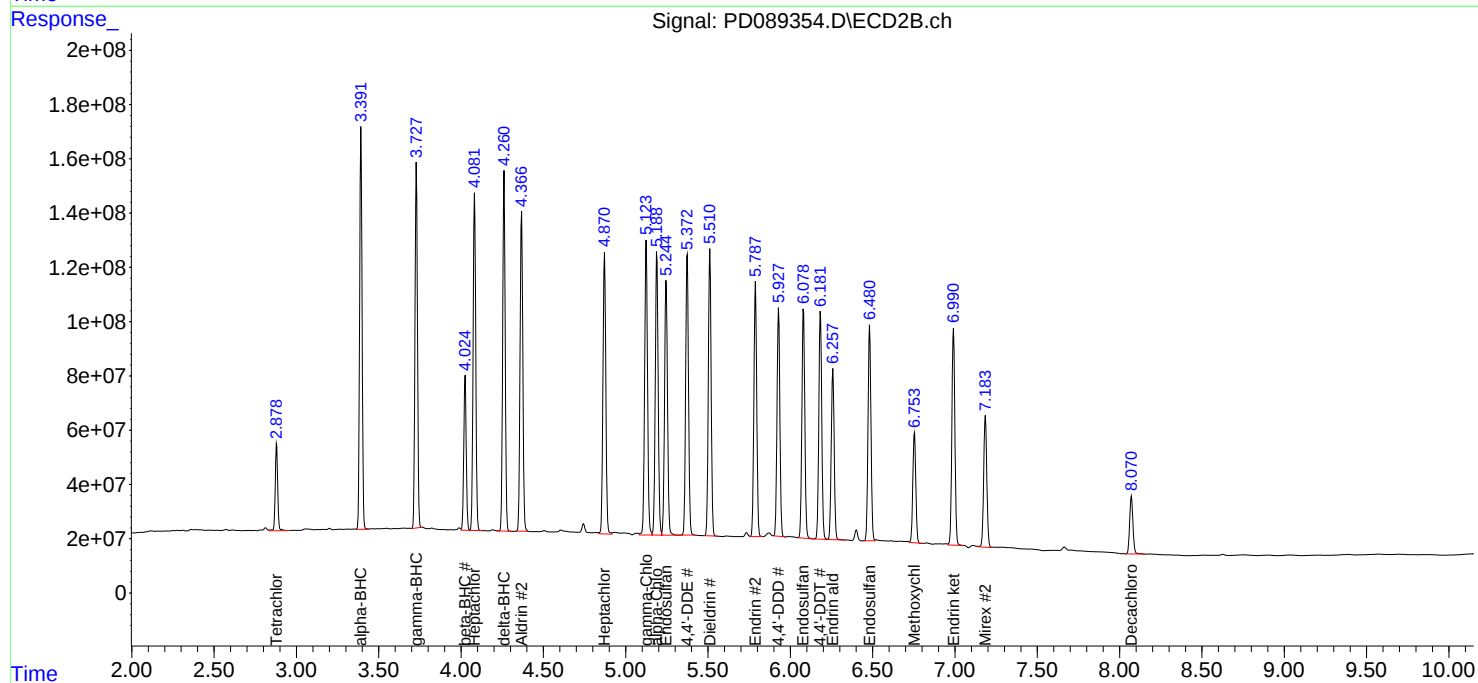
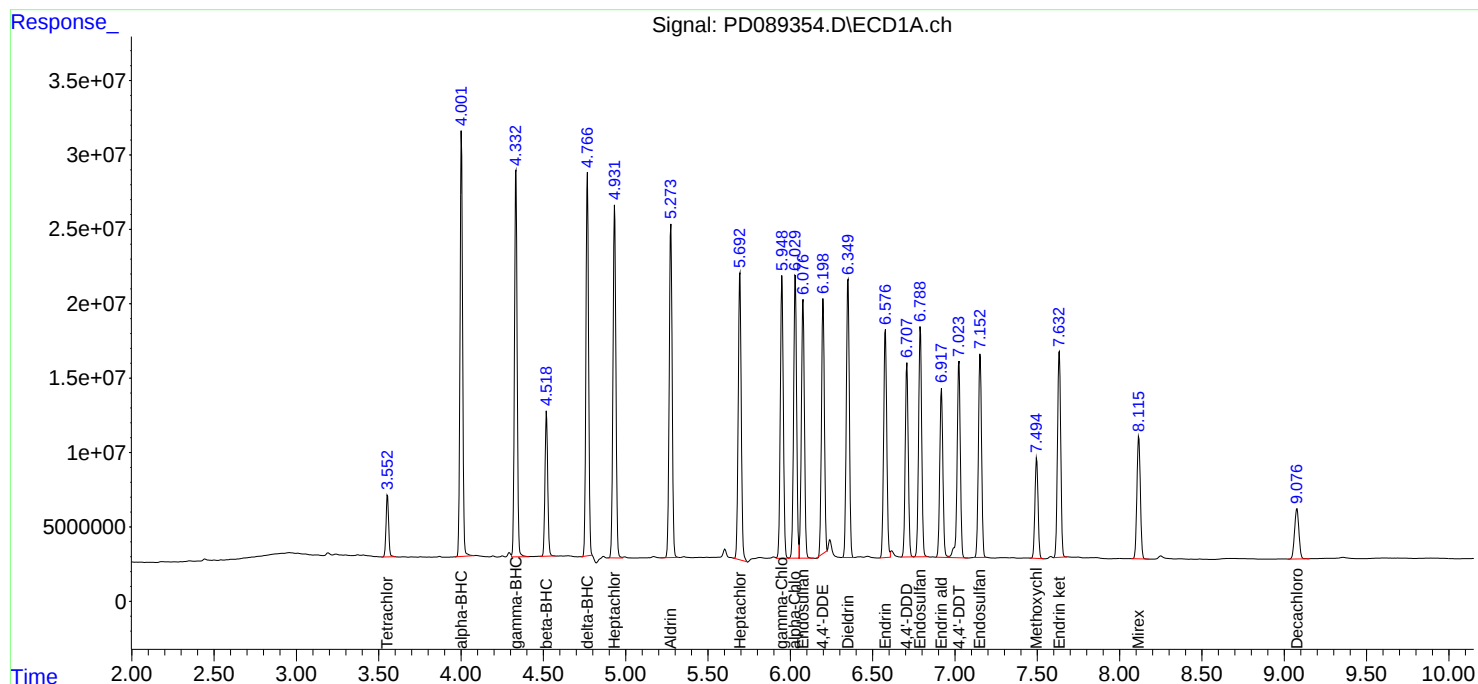
APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:25:11 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



Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089361.D	1	07/07/25 08:30	07/07/25 18:10	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.9		0.15	1.90	ug/kg
319-85-7	beta-BHC	17.4		0.21	1.90	ug/kg
319-86-8	delta-BHC	17.1		0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	17.8		0.16	1.90	ug/kg
76-44-8	Heptachlor	17.2		0.14	1.90	ug/kg
309-00-2	Aldrin	17.1		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.4		0.22	1.90	ug/kg
959-98-8	Endosulfan I	15.8		0.16	1.90	ug/kg
60-57-1	Dieldrin	14.9		0.16	1.90	ug/kg
72-55-9	4,4-DDE	15.4		0.16	1.90	ug/kg
72-20-8	Endrin	14.0		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	13.2		0.33	1.90	ug/kg
72-54-8	4,4-DDD	13.0		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	13.0		0.15	1.90	ug/kg
50-29-3	4,4-DDT	12.9		0.16	1.90	ug/kg
72-43-5	Methoxychlor	12.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	12.2		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	12.8		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	15.6		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	15.7		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.6		20 - 144	68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089361.D	1	07/07/25 08:30	07/07/25 18:10	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089361.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 18:10
 Operator : AR\AJ
 Sample : Q2514-01MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-92MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/09/2025
 Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:26:31 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	53714014	365.4E6	18.826	21.553m
28)	SA Decachlor...	9.071	8.071	53474192	204.2E6	13.615	10.331
Target Compounds							
2)	A alpha-BHC	3.998	3.391	244.6E6	1260.9E6	41.965m	47.053m
3)	MA gamma-BHC...	4.330	3.727	238.6E6	1157.1E6	42.754	46.740m
4)	MA Heptachlor	4.929	4.081	222.5E6	1131.1E6	40.808	45.173
5)	MB Aldrin	5.271	4.368	211.4E6	1089.2E6	39.798	44.976
6)	B beta-BHC	4.516	4.025	91603391	490.5E6	41.503	45.648
7)	B delta-BHC	4.764	4.261	228.0E6	1114.7E6	44.416	44.815
8)	B Heptachlo...	5.690	4.870	181.5E6	945.2E6	37.626	43.166m
9)	A Endosulfan I	6.074	5.246	166.0E6	865.9E6	36.830	41.543
10)	B gamma-Chl...	5.945	5.124	174.1E6	988.6E6	36.364	41.324
11)	B alpha-Chl...	6.026	5.189	176.2E6	940.2E6	36.417	41.063
12)	B 4,4'-DDE	6.195	5.374	156.5E6	928.7E6	35.887	40.526
13)	MA Dieldrin	6.347	5.512	169.0E6	906.4E6	35.222	39.053
14)	MA Endrin	6.573	5.788	146.8E6	799.2E6	35.590	36.807
15)	B Endosulfa...	6.785	6.079	139.7E6	687.8E6	34.620	34.055
16)	A 4,4'-DDD	6.704	5.928	117.1E6	649.7E6	34.113	33.963
17)	MA 4,4'-DDT	7.021	6.182	121.7E6	686.6E6	32.125	33.858
18)	B Endrin al...	6.914	6.257	103.3E6	513.2E6	33.710	33.515
19)	B Endosulfa...	7.149	6.480	129.9E6	669.2E6	33.845	34.107
20)	A Methoxychlor	7.493	6.752	58907398	343.0E6	29.153	31.850
21)	B Endrin ke...	7.629	6.990	130.5E6	632.8E6	32.029	29.295
22)	Mirex	8.113	7.184	96285639	499.6E6	31.671	29.954

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 18:10
Operator : AR\AJ
Sample : Q2514-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-92MS

Manual Integrations

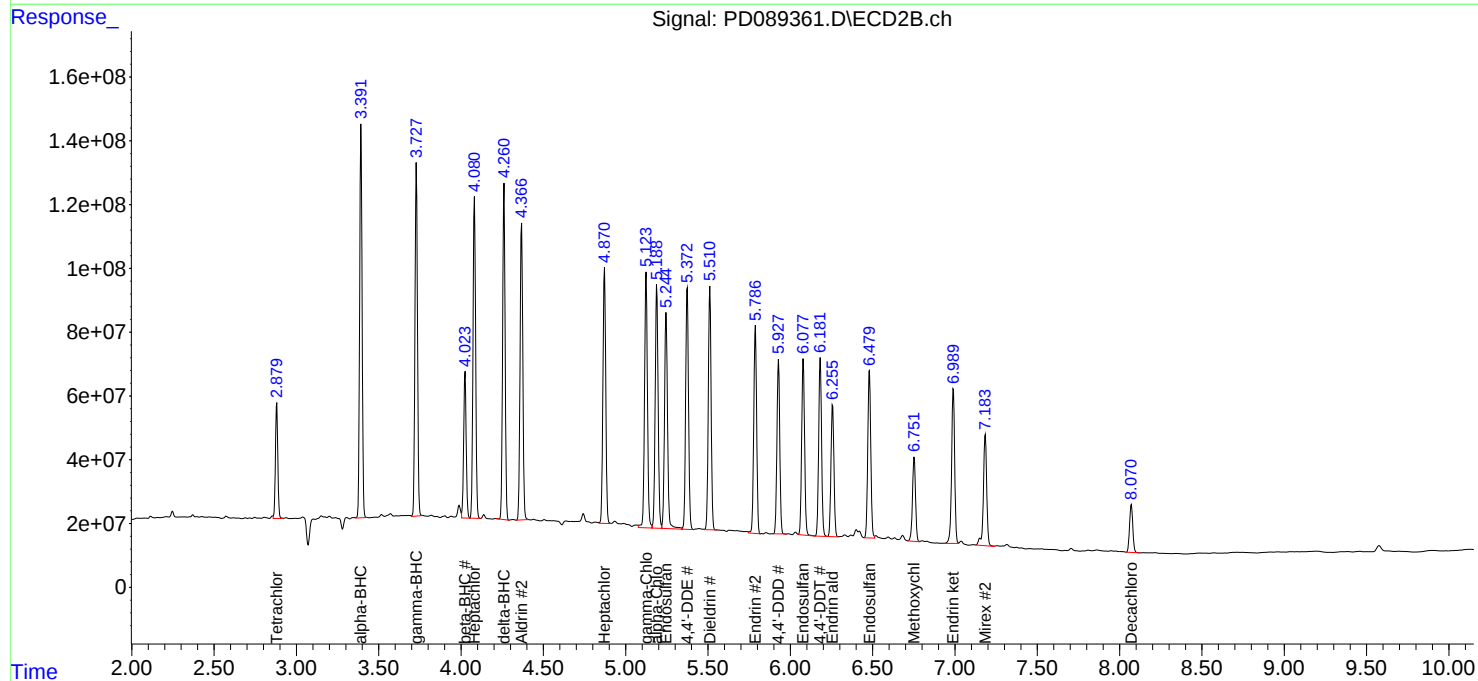
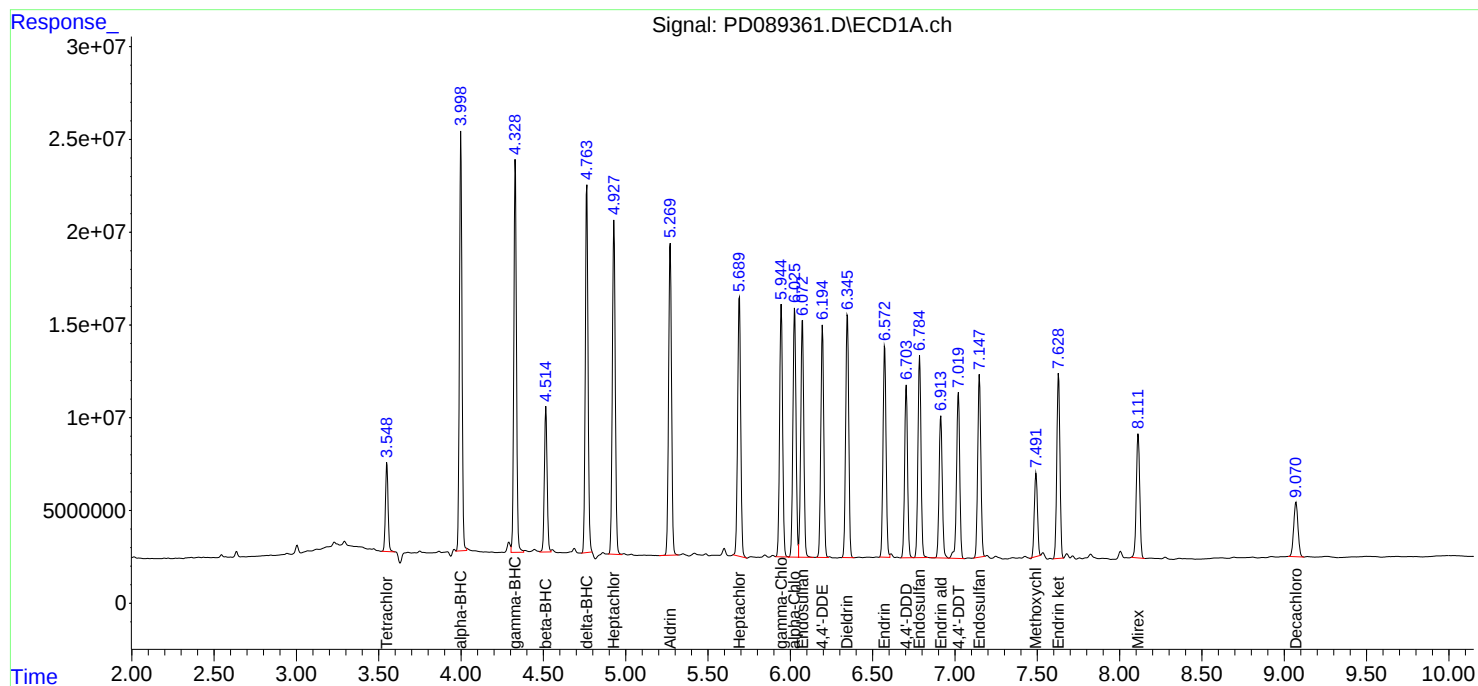
APPROVED

Reviewed By :Abdul Mirza 07/09/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:26:31 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



Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089362.D	1	07/07/25 08:30	07/07/25 18:23	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.9		0.15	1.90	ug/kg
319-85-7	beta-BHC	17.7		0.21	1.90	ug/kg
319-86-8	delta-BHC	17.6		0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	17.9		0.16	1.90	ug/kg
76-44-8	Heptachlor	17.4		0.14	1.90	ug/kg
309-00-2	Aldrin	17.4		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.9		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.9		0.16	1.90	ug/kg
60-57-1	Dieldrin	15.3		0.16	1.90	ug/kg
72-55-9	4,4-DDE	16.1		0.16	1.90	ug/kg
72-20-8	Endrin	14.8		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	13.9		0.33	1.90	ug/kg
72-54-8	4,4-DDD	13.7		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	13.6		0.15	1.90	ug/kg
50-29-3	4,4-DDT	14.0		0.16	1.90	ug/kg
72-43-5	Methoxychlor	13.0		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	12.6		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	13.6		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	16.6		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	16.1		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		20 - 144	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		19 - 148	106%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 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
PD089362.D	1	07/07/25 08:30	07/07/25 18:23	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089362.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 18:23
 Operator : AR\AJ
 Sample : Q2514-01MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-92MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:26:43 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	54938373	359.4E6	19.255	21.199m
28)	SA Decachlor...	9.071	8.070	54539068	214.0E6	13.886	10.825
Target Compounds							
2)	A alpha-BHC	3.999	3.392	251.1E6	1256.8E6	43.077	46.901m
3)	MA gamma-BHC...	4.330	3.727	239.5E6	1165.9E6	42.907	47.095m
4)	MA Heptachlor	4.929	4.082	233.5E6	1145.9E6	42.827	45.767
5)	MB Aldrin	5.270	4.368	219.4E6	1104.5E6	41.287	45.608
6)	B beta-BHC	4.515	4.024	91390303	499.1E6	41.407	46.440
7)	B delta-BHC	4.764	4.261	237.5E6	1133.0E6	46.263	45.550
8)	B Heptachlo...	5.690	4.870	186.3E6	972.0E6	38.624	44.386m
9)	A Endosulfan I	6.073	5.245	172.0E6	925.9E6	38.154	44.424
10)	B gamma-Chl...	5.945	5.123	184.8E6	1011.4E6	38.603	42.278m
11)	B alpha-Chl...	6.026	5.188	184.6E6	1000.5E6	38.149	43.696
12)	B 4,4'-DDE	6.195	5.373	160.6E6	971.9E6	36.817	42.411
13)	MA Dieldrin	6.346	5.511	174.5E6	932.4E6	36.378	40.173
14)	MA Endrin	6.573	5.788	151.5E6	842.9E6	36.720	38.818
15)	B Endosulfa...	6.785	6.079	140.6E6	738.1E6	34.838	36.543
16)	A 4,4'-DDD	6.704	5.928	120.8E6	688.2E6	35.208	35.979
17)	MA 4,4'-DDT	7.020	6.182	127.0E6	743.9E6	33.524	36.683
18)	B Endrin al...	6.914	6.258	108.8E6	548.4E6	35.525	35.816
19)	B Endosulfa...	7.148	6.481	127.2E6	701.2E6	33.151	35.736
20)	A Methoxychlor	7.492	6.753	64030454	366.7E6	31.688	34.051
21)	B Endrin ke...	7.629	6.990	134.5E6	691.6E6	33.021	32.014
22)	Mirex	8.112	7.183	96816310	499.8E6	31.846	29.967

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 18:23
Operator : AR\AJ
Sample : Q2514-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-92MSD

Manual Integrations

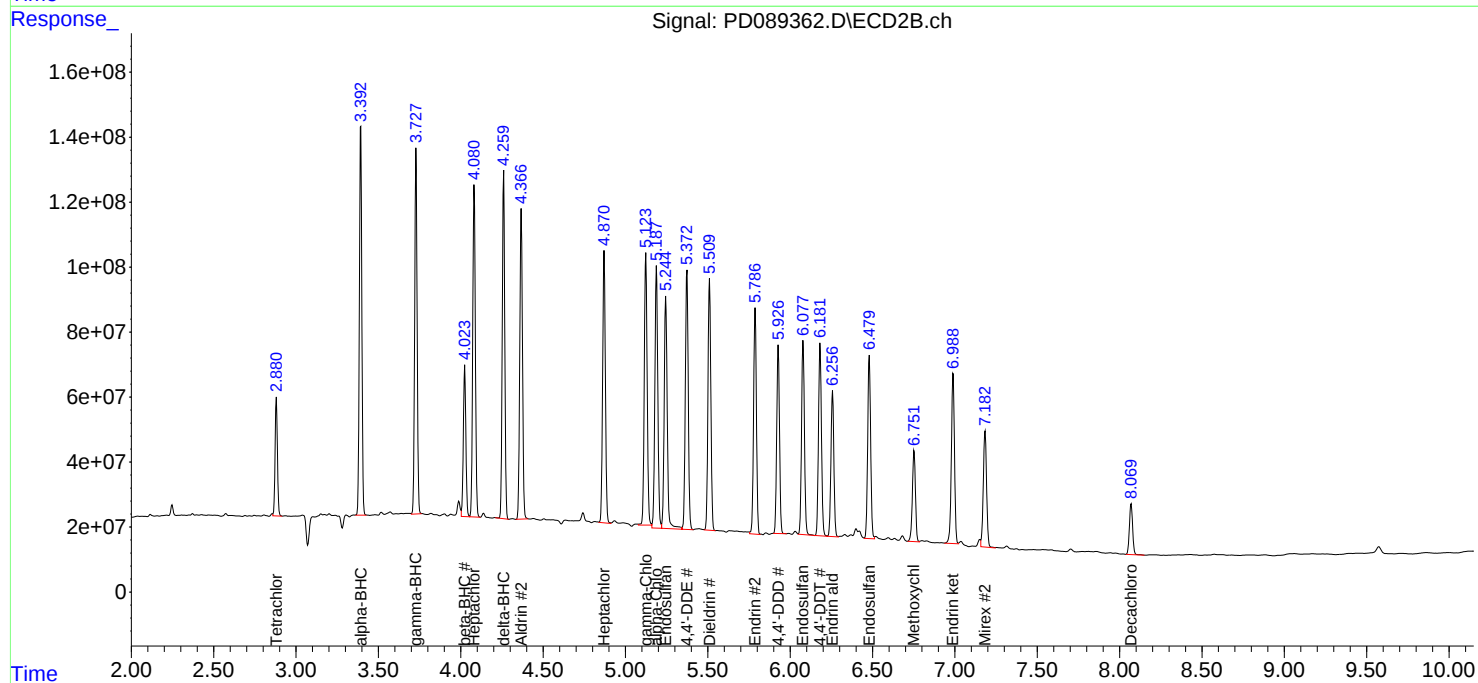
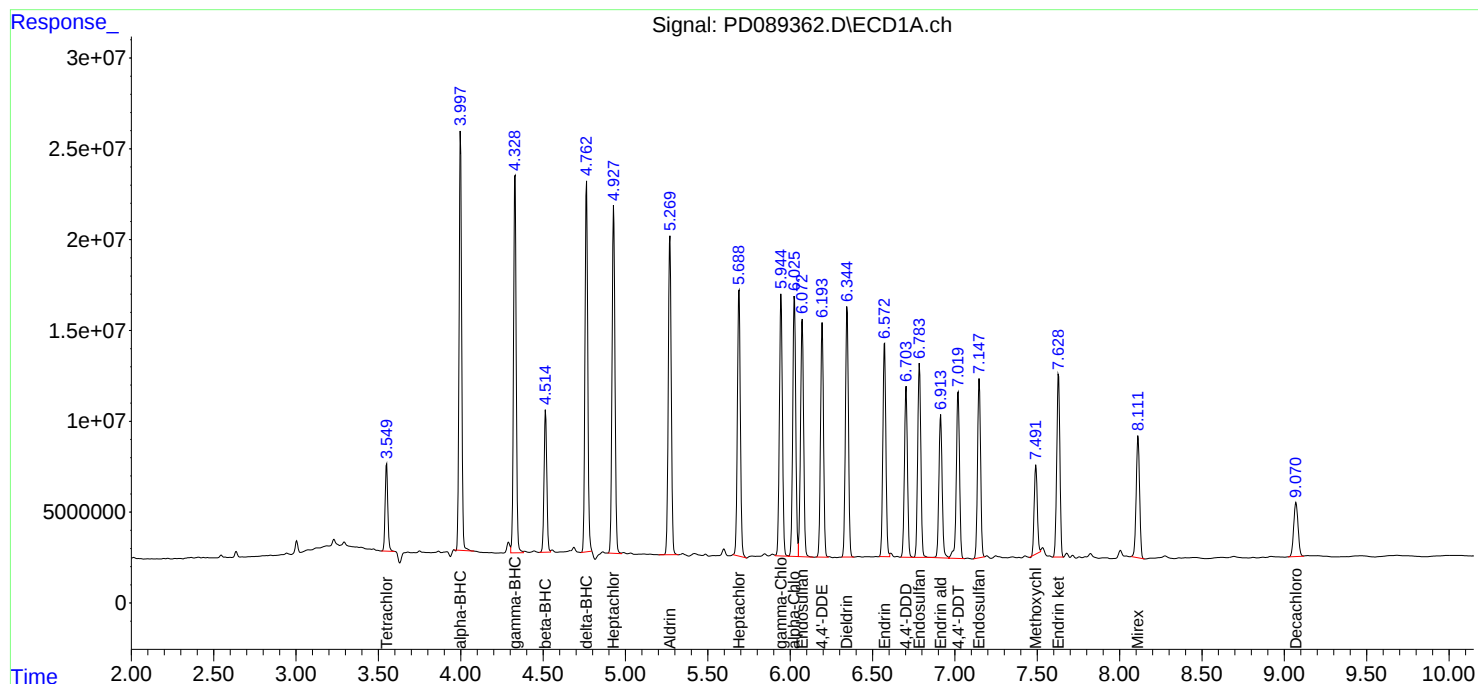
APPROVED

Reviewed By :Abdul Mirza 07/09/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:26:43 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



Manual Integration Report

Sequence:	PD061825	Instrument	ECD_d
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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

Manual Integration Report

Sequence:	Pd070725	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089341.D	4,4"-DDE	Abdul	7/8/2025 7:53:50 AM	 	 	Peak Integrated by Software
PEM	PD089341.D	Endrin aldehyde #2	Abdul	7/8/2025 7:53:50 AM	 	 	Peak Integrated by Software
PEM	PD089341.D	Endrin ketone	Abdul	7/8/2025 7:53:50 AM	 	 	Peak Integrated by Software
PEM	PD089341.D	Endrin ketone #2	Abdul	7/8/2025 7:53:50 AM	 	 	Peak Integrated by Software
PEM	PD089341.D	gamma-BHC (Lindane) #2	Abdul	7/8/2025 7:53:50 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089342.D	alpha-Chlordane #2	Abdul	7/8/2025 7:53:55 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089342.D	gamma-BHC (Lindane) #2	Abdul	7/8/2025 7:53:55 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089342.D	gamma-Chlordane #2	Abdul	7/8/2025 7:53:55 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089342.D	Heptachlor epoxide #2	Abdul	7/8/2025 7:53:55 AM	 	 	Peak Integrated by Software
PB168736BS	PD089354.D	gamma-BHC (Lindane) #2	Abdul	7/8/2025 7:54:31 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089357.D	Heptachlor epoxide #2	Abdul	7/8/2025 7:54:38 AM	 	 	Peak Integrated by Software
Q2514-01	PD089360.D	Tetrachloro-m-xylene #2	Abdul	7/8/2025 7:54:46 AM	 	 	Peak Integrated by Software
Q2514-01MS	PD089361.D	alpha-BHC	Abdul	7/8/2025 7:54:49 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	Pd070725	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2514-01MS	PD089361.D	alpha-BHC #2	Abdul	7/8/2025 7:54:49 AM	 	 	Peak Integrated by Software
Q2514-01MS	PD089361.D	gamma-BHC (Lindane) #2	Abdul	7/8/2025 7:54:49 AM	 	 	Peak Integrated by Software
Q2514-01MSD	PD089362.D	alpha-BHC #2	Abdul	7/8/2025 7:55:12 AM	 	 	Peak Integrated by Software
Q2514-01MSD	PD089362.D	gamma-BHC (Lindane) #2	Abdul	7/8/2025 7:55:12 AM	 	 	Peak Integrated by Software
Q2514-01MSD	PD089362.D	Heptachlor epoxide #2	Abdul	7/8/2025 7:55:12 AM	 	 	Peak Integrated by Software
Q2514-01MSD	PD089362.D	Tetrachloro-m-xylene #2	Abdul	7/8/2025 7:55:12 AM	 	 	Peak Integrated by Software
Q2514-02	PD089363.D	alpha-Chlordane #2	Abdul	7/8/2025 7:55:15 AM	 	 	Peak Integrated by Software
Q2514-02	PD089363.D	gamma-Chlordane #2	Abdul	7/8/2025 7:55:15 AM	 	 	Peak Integrated by Software
Q2514-03	PD089364.D	4,4"-DDE #2	Abdul	7/8/2025 7:55:19 AM	 	 	Peak Integrated by Software
Q2514-03	PD089364.D	4,4"-DDT	Abdul	7/8/2025 7:55:19 AM	 	 	Peak Integrated by Software
Q2514-03	PD089364.D	4,4"-DDT #2	Abdul	7/8/2025 7:55:19 AM	 	 	Peak Integrated by Software
Q2514-03	PD089364.D	Tetrachloro-m-xylene #2	Abdul	7/8/2025 7:55:19 AM	 	 	Peak Integrated by Software
Q2514-05	PD089366.D	Decachlorobiphenyl	Abdul	7/8/2025 7:55:22 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	Pd070725	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2514-05	PD089366.D	Tetrachloro-m-xylene #2	Abdul	7/8/2025 7:55:22 AM	 	 	Peak Integrated by Software
PEM	PD089368.D	4,4"-DDE	Abdul	7/8/2025 7:55:25 AM	 	 	Peak Integrated by Software
PEM	PD089368.D	4,4"-DDE #2	Abdul	7/8/2025 7:55:25 AM	 	 	Peak Integrated by Software
PEM	PD089368.D	Endrin aldehyde	Abdul	7/8/2025 7:55:25 AM	 	 	Peak Integrated by Software
PEM	PD089368.D	Endrin aldehyde #2	Abdul	7/8/2025 7:55:25 AM	 	 	Peak Integrated by Software
PEM	PD089368.D	Endrin ketone	Abdul	7/8/2025 7:55:25 AM	 	 	Peak Integrated by Software
PEM	PD089368.D	gamma-BHC (Lindane) #2	Abdul	7/8/2025 7:55:25 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089369.D	Decachlorobiphenyl #2	Abdul	7/8/2025 7:55:28 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089369.D	gamma-BHC (Lindane) #2	Abdul	7/8/2025 7:55:28 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089369.D	gamma-Chlordane #2	Abdul	7/8/2025 7:55:28 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089369.D	Heptachlor epoxide #2	Abdul	7/8/2025 7:55:28 AM	 	 	Peak Integrated by Software
Q2514-06	PD089370.D	Decachlorobiphenyl	Abdul	7/8/2025 7:55:31 AM	 	 	Peak Integrated by Software
Q2514-06	PD089370.D	Decachlorobiphenyl #2	Abdul	7/8/2025 7:55:31 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	Pd070725	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2514-06	PD089370.D	Tetrachloro-m-xylene #2	Abdul	7/8/2025 7:55:31 AM	 	 	Peak Integrated by Software
Q2514-07	PD089371.D	Tetrachloro-m-xylene #2	Abdul	7/8/2025 7:55:34 AM	 	 	Peak Integrated by Software
Q2514-08	PD089372.D	Tetrachloro-m-xylene #2	Abdul	7/8/2025 7:55:37 AM	 	 	Peak Integrated by Software
Q2514-09	PD089373.D	Tetrachloro-m-xylene #2	Abdul	7/8/2025 7:55:41 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089377.D	Dieldrin #2	Abdul	7/8/2025 7:55:49 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089377.D	Endosulfan I #2	Abdul	7/8/2025 7:55:49 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089377.D	gamma-BHC (Lindane) #2	Abdul	7/8/2025 7:55:49 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089377.D	gamma-Chlordane #2	Abdul	7/8/2025 7:55:49 AM	 	 	Peak Integrated by Software
PSTDCCC050	PD089377.D	Heptachlor epoxide #2	Abdul	7/8/2025 7:55:49 AM	 	 	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch 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#	Sampleld	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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch 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
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070725

Review By	Abdul	Review On	7/8/2025 7:56:29 AM
Supervise By		Supervise On	
SubDirectory	PD070725	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	PD089339.D	07 Jul 2025 11:20	AR\AJ	Ok
2	I.BLK	PD089340.D	07 Jul 2025 11:34	AR\AJ	Ok
3	PEM	PD089341.D	07 Jul 2025 11:48	AR\AJ	Ok,NS
4	PSTDCCC050	PD089342.D	07 Jul 2025 12:02	AR\AJ	Ok,NS
5	Q2491-01	PD089343.D	07 Jul 2025 12:16	AR\AJ	Ok,NS
6	Q2487-11	PD089344.D	07 Jul 2025 12:30	AR\AJ	Ok,NS
7	Q2487-12	PD089345.D	07 Jul 2025 12:44	AR\AJ	Ok,NS
8	Q2487-13	PD089346.D	07 Jul 2025 12:57	AR\AJ	Ok,NS
9	Q2487-14	PD089347.D	07 Jul 2025 13:11	AR\AJ	Ok,NS
10	Q2487-15	PD089348.D	07 Jul 2025 13:28	AR\AJ	Ok,NS
11	Q2487-16	PD089349.D	07 Jul 2025 13:42	AR\AJ	Ok,NS
12	Q2493-01	PD089350.D	07 Jul 2025 13:55	AR\AJ	Ok,NS
13	Q2493-01MS	PD089351.D	07 Jul 2025 14:09	AR\AJ	Ok,NS
14	Q2493-01MSD	PD089352.D	07 Jul 2025 14:51	AR\AJ	Ok,NS
15	PB168736BL	PD089353.D	07 Jul 2025 15:07	AR\AJ	Ok
16	PB168736BS	PD089354.D	07 Jul 2025 15:44	AR\AJ	Ok,NS
17	Q2507-01	PD089355.D	07 Jul 2025 16:00	AR\AJ	Ok,NS
18	I.BLK	PD089356.D	07 Jul 2025 16:13	AR\AJ	Ok
19	PSTDCCC050	PD089357.D	07 Jul 2025 16:27	AR\AJ	Ok,NS
20	Q2513-01	PD089358.D	07 Jul 2025 16:41	AR\AJ	Ok,NS
21	Q2513-03	PD089359.D	07 Jul 2025 17:42	AR\AJ	Ok,NS

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070725

Review By	Abdul	Review On	7/8/2025 7:56:29 AM
Supervise By		Supervise On	
SubDirectory	PD070725	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	Q2514-01	PD089360.D	07 Jul 2025 17:56	AR\AJ	Ok,NS
23	Q2514-01MS	PD089361.D	07 Jul 2025 18:10	AR\AJ	Ok,NS
24	Q2514-01MSD	PD089362.D	07 Jul 2025 18:23	AR\AJ	Ok,NS
25	Q2514-02	PD089363.D	07 Jul 2025 18:37	AR\AJ	Ok,NS
26	Q2514-03	PD089364.D	07 Jul 2025 18:51	AR\AJ	Ok,NS
27	Q2514-04	PD089365.D	07 Jul 2025 19:04	AR\AJ	Ok
28	Q2514-05	PD089366.D	07 Jul 2025 19:18	AR\AJ	Ok,NS
29	I.BLK	PD089367.D	07 Jul 2025 19:32	AR\AJ	Ok
30	PEM	PD089368.D	07 Jul 2025 19:46	AR\AJ	Ok,NS
31	PSTDCCC050	PD089369.D	07 Jul 2025 19:59	AR\AJ	Ok,NS
32	Q2514-06	PD089370.D	07 Jul 2025 20:41	AR\AJ	Ok,NS
33	Q2514-07	PD089371.D	07 Jul 2025 20:54	AR\AJ	Ok,NS
34	Q2514-08	PD089372.D	07 Jul 2025 21:08	AR\AJ	Ok,NS
35	Q2514-09	PD089373.D	07 Jul 2025 21:22	AR\AJ	Ok,NS
36	Q2514-10	PD089374.D	07 Jul 2025 21:35	AR\AJ	Ok
37	Q2515-01	PD089375.D	07 Jul 2025 21:49	AR\AJ	Ok,NS
38	I.BLK	PD089376.D	07 Jul 2025 22:03	AR\AJ	Ok
39	PSTDCCC050	PD089377.D	07 Jul 2025 22:17	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch 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,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch 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,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070725

Review By	Abdul	Review On	7/8/2025 7:56:29 AM
Supervise By		Supervise On	
SubDirectory	PD070725	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,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089339.D	07 Jul 2025 11:20		AR\AJ	Ok
2	I.BLK	I.BLK	PD089340.D	07 Jul 2025 11:34		AR\AJ	Ok
3	PEM	PEM	PD089341.D	07 Jul 2025 11:48		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PD089342.D	07 Jul 2025 12:02		AR\AJ	Ok,NS
5	Q2491-01	EO-1-070225	PD089343.D	07 Jul 2025 12:16		AR\AJ	Ok,NS
6	Q2487-11	G3(0-6)	PD089344.D	07 Jul 2025 12:30		AR\AJ	Ok,NS
7	Q2487-12	G3(6-12)	PD089345.D	07 Jul 2025 12:44		AR\AJ	Ok,NS
8	Q2487-13	G2(0-6)	PD089346.D	07 Jul 2025 12:57		AR\AJ	Ok,NS
9	Q2487-14	G2(6-12)	PD089347.D	07 Jul 2025 13:11		AR\AJ	Ok,NS
10	Q2487-15	G1(0-6)	PD089348.D	07 Jul 2025 13:28		AR\AJ	Ok,NS
11	Q2487-16	G1(6-12)	PD089349.D	07 Jul 2025 13:42		AR\AJ	Ok,NS
12	Q2493-01	WC-11	PD089350.D	07 Jul 2025 13:55		AR\AJ	Ok,NS
13	Q2493-01MS	WC-11MS	PD089351.D	07 Jul 2025 14:09		AR\AJ	Ok,NS
14	Q2493-01MSD	WC-11MSD	PD089352.D	07 Jul 2025 14:51		AR\AJ	Ok,NS
15	PB168736BL	PB168736BL	PD089353.D	07 Jul 2025 15:07		AR\AJ	Ok
16	PB168736BS	PB168736BS	PD089354.D	07 Jul 2025 15:44		AR\AJ	Ok,NS
17	Q2507-01	SU-04-7.3-2025	PD089355.D	07 Jul 2025 16:00		AR\AJ	Ok,NS
18	I.BLK	I.BLK	PD089356.D	07 Jul 2025 16:13		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070725

Review By	Abdul	Review On	7/8/2025 7:56:29 AM
Supervise By		Supervise On	
SubDirectory	PD070725	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,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PSTDCCC050	PSTDCCC050	PD089357.D	07 Jul 2025 16:27		AR\AJ	Ok,NS
20	Q2513-01	HR-2-070325	PD089358.D	07 Jul 2025 16:41		AR\AJ	Ok,NS
21	Q2513-03	HR-3-070325	PD089359.D	07 Jul 2025 17:42		AR\AJ	Ok,NS
22	Q2514-01	TP-92	PD089360.D	07 Jul 2025 17:56		AR\AJ	Ok,NS
23	Q2514-01MS	TP-92MS	PD089361.D	07 Jul 2025 18:10		AR\AJ	Ok,NS
24	Q2514-01MSD	TP-92MSD	PD089362.D	07 Jul 2025 18:23		AR\AJ	Ok,NS
25	Q2514-02	TP-93	PD089363.D	07 Jul 2025 18:37		AR\AJ	Ok,NS
26	Q2514-03	TP-94	PD089364.D	07 Jul 2025 18:51		AR\AJ	Ok,NS
27	Q2514-04	TP-96	PD089365.D	07 Jul 2025 19:04		AR\AJ	Ok
28	Q2514-05	TP-97	PD089366.D	07 Jul 2025 19:18		AR\AJ	Ok,NS
29	I.BLK	I.BLK	PD089367.D	07 Jul 2025 19:32		AR\AJ	Ok
30	PEM	PEM	PD089368.D	07 Jul 2025 19:46		AR\AJ	Ok,NS
31	PSTDCCC050	PSTDCCC050	PD089369.D	07 Jul 2025 19:59		AR\AJ	Ok,NS
32	Q2514-06	TP-103	PD089370.D	07 Jul 2025 20:41		AR\AJ	Ok,NS
33	Q2514-07	TP-36	PD089371.D	07 Jul 2025 20:54		AR\AJ	Ok,NS
34	Q2514-08	TP-78	PD089372.D	07 Jul 2025 21:08		AR\AJ	Ok,NS
35	Q2514-09	TP-81	PD089373.D	07 Jul 2025 21:22		AR\AJ	Ok,NS
36	Q2514-10	TP-90	PD089374.D	07 Jul 2025 21:35		AR\AJ	Ok
37	Q2515-01	wc-1	PD089375.D	07 Jul 2025 21:49		AR\AJ	Ok,NS

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD070725

Review By	Abdul	Review On	7/8/2025 7:56:29 AM
Supervise By		Supervise On	
SubDirectory	PD070725	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,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	I.BLK	I.BLK	PD089376.D	07 Jul 2025 22:03		AR\AJ	Ok
39	PSTDCCC050	PSTDCCC050	PD089377.D	07 Jul 2025 22:17		AR\AJ	Ok,NS

M : Manual Integration



PERCENT SOLID

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

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2487-01	G4 (1.5)	1	1.15	10.21	11.36	10.14	88.1	
Q2487-02	G4 (10)	2	1.19	10.38	11.57	8.76	72.9	
Q2487-03	G3 (9)	3	1.15	10.66	11.81	7.38	58.4	
Q2487-04	G3 (3)	4	1.15	10.80	11.95	10.8	89.4	
Q2487-05	G2 (2.5)	5	1.17	10.00	11.17	10.48	93.1	
Q2487-06	G2 (9)	6	1.16	10.26	11.42	8.00	66.7	
Q2487-07	G1 (4.5)	7	1.19	10.11	11.3	7.8	65.4	
Q2487-08	G1 (10)	8	1.16	9.96	11.12	6.65	55.1	
Q2487-09	G4 (0-6)	9	1.18	10.26	11.44	10.12	87.1	
Q2487-10	G4 (6-12)	10	1.16	10.14	11.3	8.52	72.6	
Q2487-11	G3 (0-6)	11	1.18	10.42	11.6	10.68	91.2	
Q2487-12	G3 (6-12)	12	1.18	10.41	11.59	8.49	70.2	
Q2487-13	G2 (0-6)	13	1.17	9.95	11.12	10.11	89.8	
Q2487-14	G2 (6-12)	14	1.16	10.68	11.84	8.39	67.7	
Q2487-15	G1 (0-6)	15	1.17	10.55	11.72	9.68	80.7	
Q2487-16	G1 (6-12)	16	1.13	10.24	11.37	10.68	93.3	
Q2501-05	SVOC-GPC-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2501-06	PEST-GPC-BLANK	18	1.00	1.00	2.00	2.00	100.0	
Q2501-07	PEST-GPC-BLANK-SPIKE	19	1.00	1.00	2.00	2.00	100.0	
Q2501-08	PCB-GPC-BLANK	20	1.00	1.00	2.00	2.00	100.0	
Q2501-09	PCB-GPC-BLANK-SPIKE	21	1.00	1.00	2.00	2.00	100.0	
Q2501-10	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
Q2501-11	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
Q2501-12	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
Q2501-13	PCB-GPC2-BLANK	25	1.00	1.00	2.00	2.00	100.0	
Q2501-14	PCB-GPC2-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
Q2503-03	GCAP2	27	1.18	10.65	11.83	8.76	71.2	
Q2503-04	GCAP3	28	1.18	10.64	11.82	8.16	65.6	

PERCENT SOLID

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

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2503-05	GCAP2A	29	1.18	10.30	11.48	9.11	77.0	
Q2504-01	WASTE	30	1.14	10.73	11.87	10.16	84.1	
Q2504-02	VOC	31	1.18	10.81	11.99	10.45	85.8	
Q2504-03	1	32	1.14	10.84	11.98	10.36	85.1	
Q2504-04	2	33	1.19	10.41	11.6	9.91	83.8	
Q2504-05	3	34	1.13	10.75	11.88	10.22	84.6	
Q2504-06	4	35	1.14	10.52	11.66	10.03	84.5	
Q2504-07	5	36	1.12	10.87	11.99	10.16	83.2	
Q2505-01	#62825	37	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-02	#62525	38	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-03	#2008	39	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2507-01	SU-04-7.3-2025	40	1.17	10.26	11.43	10.1	87.0	
Q2507-02	SU-04-7.3-2025-EPH	41	1.18	10.30	11.48	9.99	85.5	
Q2507-03	SU-04-7.3-2025-VOC	42	1.13	10.45	11.58	9.95	84.4	
Q2508-01	AUD-25-0105	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-02	AUD-25-0106	44	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-03	AUD-25-0107	45	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2509-02	AUD-25-0112	46	1.00	1.00	2.00	2.00	100.0	oilly-debris
Q2510-01	#63025-A	47	1.15	11.63	12.78	10.79	82.9	
Q2510-02	#63025-A-VOC	48	1.18	10.19	11.37	9.86	85.2	
Q2513-01	HR-2-070325	49	1.18	9.89	11.07	10.51	94.3	
Q2513-02	HR-2-070325-E2	50	1.18	10.25	11.43	10.68	92.7	
Q2513-03	HR-3-070325	51	1.18	10.27	11.45	10.88	94.4	
Q2513-04	HR-3-070325-E2	52	1.14	10.67	11.81	11.23	94.6	
Q2514-01	TP-92	53	1.14	10.78	11.92	10.56	87.4	
Q2514-02	TP-93	54	1.19	10.71	11.9	10.58	87.7	
Q2514-03	TP-94	55	1.13	10.86	11.99	10.7	88.1	
Q2514-04	TP-96	56	1.14	11.10	12.24	10.66	85.8	



PERCENT SOLID

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

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2514-05	TP-97	57	1.16	10.02	11.18	9.68	85.0	
Q2514-06	TP-103	58	1.18	10.22	11.4	10.02	86.5	
Q2514-07	TP-36	59	1.15	10.78	11.93	10.88	90.3	
Q2514-08	TP-78	60	1.13	9.99	11.12	9.75	86.3	
Q2514-09	TP-81	61	1.16	10.50	11.66	10.22	86.3	
Q2514-10	TP-90	62	1.18	10.43	11.61	10.73	91.6	
Q2515-01	wc-1	63	1.15	10.31	11.46	10.17	87.5	

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

196368

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2487-01	G4(1.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-02	G4(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-03	G3(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-04	G3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-05	G2(2.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-06	G2(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-07	G1(4.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-08	G1(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-09	G4(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-10	G4(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-11	G3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-12	G3(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-13	G2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-14	G2(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-15	G1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-16	G1(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2501-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO

Date/Time 07/03/25 15:15

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

Date/Time 07/03/25

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

WORKLIST(Hardcopy Internal Chain)

136318

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2501-10	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-11	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-12	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2503-03	GCAP2	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	06/27/2025	Chemtech -SO
Q2503-04	GCAP3	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2503-05	GCAP2A	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2504-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2505-01	#62825	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-02	#62525	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-03	#2008	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2507-01	SU-04-7.3-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-02	SU-04-7.3-2025-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-03	SU-04-7.3-2025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO

Date/Time 07/03/25 15:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/03/25 17:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136368

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2508-01	AUD-25-0105	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-02	AUD-25-0106	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-03	AUD-25-0107	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2509-02	AUD-25-0112	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/03/2025	Chemtech -SO
Q2510-01	#63025-A	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2510-02	#63025-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2513-01	HR-2-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-02	HR-2-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-03	HR-3-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-04	HR-3-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2514-01	TP-92	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-02	TP-93	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-03	TP-94	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-04	TP-96	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-05	TP-97	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-06	TP-103	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-07	TP-36	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-08	TP-78	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-09	TP-81	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-10	TP-90	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2515-01	wc-1	Solid	Percent Solids	Cool 4 deg C	ENVO01	O23	07/03/2025	Chemtech -SO

Date/Time 07/03/25 1515
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time

Raw Sample Received by:

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Extraction Start Date : 07/07/2025

Matrix : Solid

Extraction Start Time : 08:30

Weigh By: EH

Extraction By: RJ

Extraction End Date : 07/07/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 11:45

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24663
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
Hexane	N/A	E3947
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

KD Bath ID: N/A

Envap ID: NE VAP-02

KD Bath Temperature: N/A

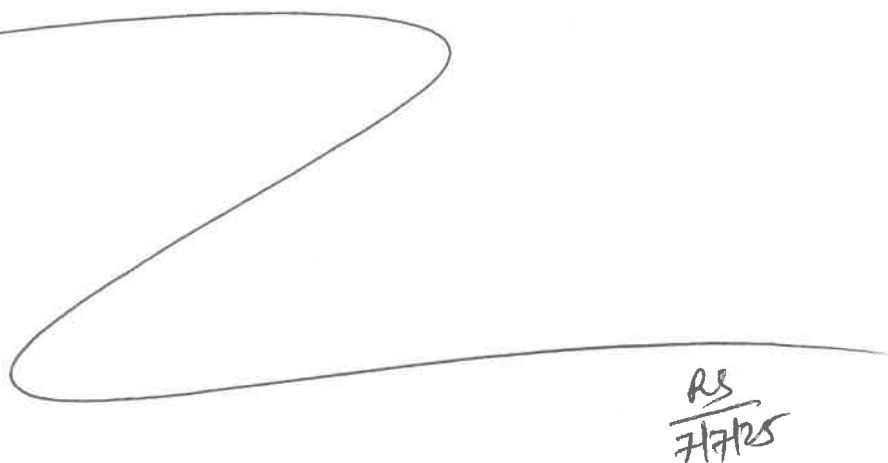
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/7/25 11:50	RJ (Ex Lab)	J-P PCH/PA
	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 07/07/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168736BL	PBLK736	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U3-1
PB168736BS	PLCS736	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2507-01	SU-04-7.3-2025	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		3
Q2513-01	HR-2-070325	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		4
Q2513-03	HR-3-070325	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		5
Q2514-01	TP-92	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		6
Q2514-01MS	TP-92MS	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		U6-1
Q2514-01MS D	TP-92MSD	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		2
Q2514-02	TP-93	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		3
Q2514-03	TP-94	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		4
Q2514-04	TP-96	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		5
Q2514-05	TP-97	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q2514-06	TP-103	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U1-1
Q2514-07	TP-36	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		2
Q2514-08	TP-78	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		3
Q2514-09	TP-81	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		4
Q2514-10	TP-90	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		5
Q2515-01	WC-1	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		6



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2513 WorkList ID : 190566 Department : Extraction Date : 07-07-2025 08:24:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2507-01	SU-04-7.3-2025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	O12	07/04/2025	8081B
Q2513-01	HR-2-070325	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	O21	07/03/2025	8081B
Q2513-03	HR-3-070325	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	O21	07/03/2025	8081B
Q2514-01	TP-92	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/02/2025	8081B
Q2514-02	TP-93	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/02/2025	8081B
Q2514-03	TP-94	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/02/2025	8081B
Q2514-04	TP-96	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/02/2025	8081B
Q2514-05	TP-97	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/02/2025	8081B
Q2514-06	TP-103	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/02/2025	8081B
Q2514-07	TP-36	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/03/2025	8081B
Q2514-08	TP-78	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/03/2025	8081B
Q2514-09	TP-81	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/03/2025	8081B
Q2514-10	TP-90	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	O21	07/03/2025	8081B
Q2515-01	wc-1	Solid	Pesticide-TCL	Cool 4 deg C	ENVO01	O23	07/03/2025	8081B

Date/Time 07/07/25 8:25
 Raw Sample Received by: R3 (15-11-106)
 Raw Sample Relinquished by: JT (sm)

Date/Time 07/07/25 8:50
 Raw Sample Received by: JT (sm)
 Raw Sample Relinquished by: R3 (15-11-106)



SHIPPING DOCUMENTS

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**

ANALYSIS

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) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT

1. TEL VOL
2. TEL SVOL
3. PCBs
4. TAL METALS
5. PESTICIDES
6. HERBICIDES
7. DRUGS
8. GRS
9.

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-92	5		X	7/2/25	0800	5	X	X	X	X	X	X	X	X		E
2.	TP-93	5		X	7/2/25	0830	6	X	X	X	X	X	X	X	X		E
3.	TP-94	5		X	7/2/25	1035	6	X	X	X	X	X	X	X	X		E
4.	TP-96	5		X	7/2/25	1125	6	X	X	X	X	X	X	X	X		E
5.	TP-97	5		X	7/2/25	1215	6	X	X	X	X	X	X	X	X		E
6.	TP-103	5		X	7/2/25	1345	6	X	X	X	X	X	X	X	X		E
7.	TP-3C	5		X	7/3/25	0820	6	X	X	X	X	X	X	X	X		E
8.	TP-78	5		X	7/3/25	0855	6	X	X	X	X	X	X	X	X		E
9.	TP-81	5		X	7/3/25	1000	6	X	X	X	X	X	X	X	X		E
10.	TP-90	5		X	7/3/25	1250	6	X	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: 1. <i>[Signature]</i>	DATE/TIME: 7/3/25 1315	RECEIVED BY: 1. <i>[Signature]</i> 1315	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.9 °C
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY: 2. <i>[Signature]</i>	Comments:
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME: 1412	RECEIVED BY: 3. <i>[Signature]</i>	Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2514	CAMP02	Order Date : 7/3/2025 1:29:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2
Client Contact : Marcie Ann Encinas		Receive DateTime : 7/3/2025 3:00:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 1472 AP	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2514-01	TP-92	Solid	07/02/2025	08:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-02	TP-93	Solid	07/02/2025	08:30					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-03	TP-94	Solid	07/02/2025	10:35					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-04	TP-96	Solid	07/02/2025	11:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-05	TP-97	Solid	07/02/2025	12:15					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-06	TP-103	Solid	07/02/2025	13:45					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-07	TP-36	Solid	07/03/2025	08:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-08	TP-78	Solid	07/03/2025	08:55					

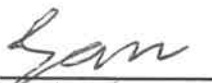
LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2514	CAMP02	Order Date : 7/3/2025 1:29:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2
Client Contact : Marcie Ann Encinas		Receive DateTime : 7/3/2025 2:00:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 1412 d1	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			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	
Q2514-09	TP-81	Solid	07/03/2025	10:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-10	TP-90	Solid	07/03/2025	12:50					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : 

Date / Time : 7/3/25 1430

Received By : 

Date / Time : 07/03/25 14:30

Storage Area : VOA Refridgerator Room