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Cover Page

Order ID : Q2176

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2176-01	TP-46
Q2176-02	TP-56
Q2176-03	TP-25
Q2176-04	TP-26
Q2176-05	TP-28
Q2176-06	TP-27
Q2176-07	TP-31
Q2176-08	TP-65

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

Signature : _____

Date: 6/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

CDM Smith
Project Name: South River WM Replacement
Project # N/A
Order ID # Q2176
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/30/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2176

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

QA Review Signature: PRADIP PRAJAPATI **Date:** 06/05/2025

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LAB CHRONICLE

OrderID:	Q2176	**OrderDate:**	5/30/2025 4:04:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2176-01	**TP-46**	**SOIL**			**05/28/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-02	**TP-56**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-03	**TP-25**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-04	**TP-26**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-05	**TP-28**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-06	**TP-27**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-07	**TP-31**	**SOIL**			**05/29/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-08	**TP-65**	**SOIL**			**05/30/25**			**05/30/25**
			Pesticide-TCL	8081B		06/03/25	06/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2176 **Order ID:** Q2176

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-25								
Q2176-03	TP-25	SOIL	Dieldrin	0.26	J	0.16	2.00	ug/kg
			Total Concentration:	**0.260**				
Client ID : TP-26								
Q2176-04	TP-26	SOIL	4,4-DDE	1.40	J	0.16	2.00	ug/kg
Q2176-04	TP-26	SOIL	alpha-Chlordane	5.10	P	0.14	2.00	ug/kg
Q2176-04	TP-26	SOIL	gamma-Chlordane	2.90	P	0.18	2.00	ug/kg
			Total Concentration:	**9.400**				

QC
SUMMARY

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Surrogate Summary

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL095732.D	PIBLK-PL095732.D	Decachlorobiphenyl	1	20	18.2	91		57	171
		Tetrachloro-m-xylene	1	20	16.4	82		61	148
		Decachlorobiphenyl	2	20	17.5	88		57	171
		Tetrachloro-m-xylene	2	20	16.0	80		61	148
I.BLK-PL095878.D	PIBLK-PL095878.D	Decachlorobiphenyl	1	20	23.3	116		57	171
		Tetrachloro-m-xylene	1	20	24.5	123		61	148
		Decachlorobiphenyl	2	20	22.2	111		57	171
		Tetrachloro-m-xylene	2	20	23.0	115		61	148
PB168253BL	PB168253BL	Decachlorobiphenyl	1	20	20.8	104		20	144
		Tetrachloro-m-xylene	1	20	20.8	104		19	148
		Decachlorobiphenyl	2	20	19.2	96		20	144
		Tetrachloro-m-xylene	2	20	19.3	97		19	148
PB168253BS	PB168253BS	Decachlorobiphenyl	1	20	19.9	100		20	144
		Tetrachloro-m-xylene	1	20	20.2	101		19	148
		Decachlorobiphenyl	2	20	19.5	98		20	144
		Tetrachloro-m-xylene	2	20	19.2	96		19	148
Q2176-01	TP-46	Decachlorobiphenyl	1	20	15.8	79		20	144
		Tetrachloro-m-xylene	1	20	18.8	94		19	148
		Decachlorobiphenyl	2	20	15.6	78		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
Q2176-02	TP-56	Decachlorobiphenyl	1	20	13.1	66		20	144
		Tetrachloro-m-xylene	1	20	19.1	96		19	148
		Decachlorobiphenyl	2	20	12.7	63		20	144
		Tetrachloro-m-xylene	2	20	18.5	93		19	148
Q2176-03	TP-25	Decachlorobiphenyl	1	20	14.7	73		20	144
		Tetrachloro-m-xylene	1	20	20.3	101		19	148
		Decachlorobiphenyl	2	20	14.7	73		20	144
		Tetrachloro-m-xylene	2	20	19.8	99		19	148
Q2176-03MS	TP-25MS	Decachlorobiphenyl	1	20	11.5	58		20	144
		Tetrachloro-m-xylene	1	20	15.8	79		19	148
		Decachlorobiphenyl	2	20	11.4	57		20	144
		Tetrachloro-m-xylene	2	20	15.1	76		19	148
Q2176-03MSD	TP-25MSD	Decachlorobiphenyl	1	20	11.5	57		20	144
		Tetrachloro-m-xylene	1	20	15.4	77		19	148
		Decachlorobiphenyl	2	20	11.4	57		20	144
		Tetrachloro-m-xylene	2	20	14.8	74		19	148
Q2176-04	TP-26	Decachlorobiphenyl	1	20	11.2	56		20	144
		Tetrachloro-m-xylene	1	20	12.3	62		19	148
		Decachlorobiphenyl	2	20	8.34	42		20	144
		Tetrachloro-m-xylene	2	20	12.7	63		19	148
Q2176-05	TP-28	Decachlorobiphenyl	1	20	14.2	71		20	144

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Surrogate Summary

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q2176-05	TP-28	Tetrachloro-m-xylene	1	20	18.1	90		19	148
		Decachlorobiphenyl	2	20	11.9	59		20	144
		Tetrachloro-m-xylene	2	20	18.2	91		19	148
Q2176-06	TP-27	Decachlorobiphenyl	1	20	8.72	44		20	144
		Tetrachloro-m-xylene	1	20	12.3	61		19	148
		Decachlorobiphenyl	2	20	8.32	42		20	144
		Tetrachloro-m-xylene	2	20	12.1	61		19	148
Q2176-07	TP-31	Decachlorobiphenyl	1	20	8.79	44		20	144
		Tetrachloro-m-xylene	1	20	16.5	83		19	148
		Decachlorobiphenyl	2	20	8.22	41		20	144
		Tetrachloro-m-xylene	2	20	16.6	83		19	148
Q2176-08	TP-65	Decachlorobiphenyl	1	20	9.69	48		20	144
		Tetrachloro-m-xylene	1	20	13.9	69		19	148
		Decachlorobiphenyl	2	20	7.97	40		20	144
		Tetrachloro-m-xylene	2	20	13.6	68		19	148
I.BLK-PL095896.D	PIBLK-PL095896.D	Decachlorobiphenyl	1	20	19.8	99		57	171
		Tetrachloro-m-xylene	1	20	22.6	113		61	148
		Decachlorobiphenyl	2	20	17.9	90		57	171
		Tetrachloro-m-xylene	2	20	23.0	115		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095888.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TP-25MS**											
Q2176-03MS (Column 1)	alpha-BHC	19.43	0	17.8	ug/kg	92				60	144	
	beta-BHC	19.43	0	17.0	ug/kg	87				54	143	
	delta-BHC	19.43	0	17.5	ug/kg	90				29	151	
	gamma-BHC (Lindane)	19.43	0	17.7	ug/kg	91				61	140	
	Heptachlor	19.43	0	17.3	ug/kg	89				63	135	
	Aldrin	19.43	0	17.7	ug/kg	91				49	139	
	Heptachlor epoxide	19.43	0	17.8	ug/kg	92				41	156	
	Endosulfan I	19.43	0	17.5	ug/kg	90				56	142	
	Dieldrin	19.43	0.18	17.7	ug/kg	90				47	161	
	4,4'-DDE	19.43	0	16.6	ug/kg	85				55	136	
	Endrin	19.43	0	16.8	ug/kg	86				57	139	
	Endosulfan II	19.43	0	16.5	ug/kg	85				40	163	
	4,4'-DDD	19.43	0	17.8	ug/kg	92				47	163	
	Endosulfan sulfate	19.43	0	16.6	ug/kg	85				62	139	
	4,4'-DDT	19.43	0	16.3	ug/kg	84				51	146	
	Methoxychlor	19.43	0	16.5	ug/kg	85				54	136	
	Endrin ketone	19.43	0	17.7	ug/kg	91				60	129	
	Endrin aldehyde	19.43	0	16.7	ug/kg	86				59	132	
	alpha-Chlordane	19.43	0	17.3	ug/kg	89				39	166	
	gamma-Chlordane	19.43	0	17.6	ug/kg	91				44	175	
Client Sample ID:	**TP-25MS**											
Q2176-03MS (Column 2)	alpha-BHC	19.43	0	18.2	ug/kg	94				60	144	
	beta-BHC	19.43	0	17.5	ug/kg	90				54	143	
	delta-BHC	19.43	0	17.8	ug/kg	92				29	151	
	gamma-BHC (Lindane)	19.43	0	18.0	ug/kg	93				61	140	
	Heptachlor	19.43	0	17.5	ug/kg	90				63	135	
	Aldrin	19.43	0	17.9	ug/kg	92				49	139	
	Heptachlor epoxide	19.43	0	17.7	ug/kg	91				41	156	
	Endosulfan I	19.43	0	17.3	ug/kg	89				56	142	
	Dieldrin	19.43	0.26	17.4	ug/kg	90				47	161	
	4,4'-DDE	19.43	0	17.3	ug/kg	89				55	136	
	Endrin	19.43	0	16.8	ug/kg	86				57	139	
	Endosulfan II	19.43	0	17.0	ug/kg	87				40	163	
	4,4'-DDD	19.43	0	17.1	ug/kg	88				47	163	
	Endosulfan sulfate	19.43	0	16.8	ug/kg	86				62	139	
	4,4'-DDT	19.43	0	16.3	ug/kg	84				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095888.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q2176-03MS (Column 2)	Methoxychlor	19.43	0	15.8	ug/kg	81				54	136	
	Endrin ketone	19.43	0	16.9	ug/kg	87				60	129	
	Endrin aldehyde	19.43	0	17.0	ug/kg	87				59	132	
	alpha-Chlordane	19.43	0	17.5	ug/kg	90				39	166	
	gamma-Chlordane	19.43	0	17.6	ug/kg	91				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095889.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**TP-25MSD**											
Q2176-03MSD (Column 1)	alpha-BHC	19.4	0	17.6	ug/kg	91		1		60	144	20
	beta-BHC	19.4	0	16.8	ug/kg	87		0		54	143	20
	delta-BHC	19.4	0	17.4	ug/kg	90		0		29	151	20
	gamma-BHC (Lindane)	19.4	0	17.5	ug/kg	90		1		61	140	20
	Heptachlor	19.4	0	17.0	ug/kg	88		1		63	135	20
	Aldrin	19.4	0	17.6	ug/kg	91		0		49	139	20
	Heptachlor epoxide	19.4	0	17.7	ug/kg	91		1		41	156	20
	Endosulfan I	19.4	0	17.3	ug/kg	89		1		56	142	20
	Dieldrin	19.4	0.18	17.6	ug/kg	89		1		47	161	20
	4,4'-DDE	19.4	0	16.9	ug/kg	87		2		55	136	20
	Endrin	19.4	0	16.7	ug/kg	86		0		57	139	20
	Endosulfan II	19.4	0	16.5	ug/kg	85		0		40	163	20
	4,4'-DDD	19.4	0	17.7	ug/kg	91		1		47	163	20
	Endosulfan sulfate	19.4	0	16.8	ug/kg	87		2		62	139	20
	4,4'-DDT	19.4	0	16.3	ug/kg	84		0		51	146	20
	Methoxychlor	19.4	0	16.2	ug/kg	84		1		54	136	20
	Endrin ketone	19.4	0	17.4	ug/kg	90		1		60	129	20
	Endrin aldehyde	19.4	0	16.6	ug/kg	86		0		59	132	20
	alpha-Chlordane	19.4	0	17.2	ug/kg	89		0		39	166	20
	gamma-Chlordane	19.4	0	17.6	ug/kg	91		0		44	175	20
Client Sample ID:	**TP-25MSD**											
Q2176-03MSD (Column 2)	alpha-BHC	19.4	0	18.0	ug/kg	93		1		60	144	20
	beta-BHC	19.4	0	17.3	ug/kg	89		1		54	143	20
	delta-BHC	19.4	0	17.6	ug/kg	91		1		29	151	20
	gamma-BHC (Lindane)	19.4	0	17.8	ug/kg	92		1		61	140	20
	Heptachlor	19.4	0	17.1	ug/kg	88		2		63	135	20
	Aldrin	19.4	0	17.8	ug/kg	92		0		49	139	20
	Heptachlor epoxide	19.4	0	17.7	ug/kg	91		0		41	156	20
	Endosulfan I	19.4	0	17.2	ug/kg	89		0		56	142	20
	Dieldrin	19.4	0.26	17.3	ug/kg	89		1		47	161	20
	4,4'-DDE	19.4	0	17.0	ug/kg	88		1		55	136	20
	Endrin	19.4	0	16.5	ug/kg	85		1		57	139	20
	Endosulfan II	19.4	0	17.0	ug/kg	88		1		40	163	20
	4,4'-DDD	19.4	0	17.0	ug/kg	88		0		47	163	20
	Endosulfan sulfate	19.4	0	16.7	ug/kg	86		0		62	139	20
	4,4'-DDT	19.4	0	16.1	ug/kg	83		1		51	146	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PL095889.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q2176-03MSD (Column 2)	Methoxychlor	19.4	0	15.7	ug/kg	81		0		54	136	20
	Endrin ketone	19.4	0	17.0	ug/kg	88		1		60	129	20
	Endrin aldehyde	19.4	0	17.0	ug/kg	88		1		59	132	20
	alpha-Chlordane	19.4	0	17.4	ug/kg	90		0		39	166	20
	gamma-Chlordane	19.4	0	17.5	ug/kg	90		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2176 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PL095882.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168253BS (Column 1)	alpha-BHC	16.65	16.8	ug/kg	101				84	123	
	beta-BHC	16.65	16.4	ug/kg	98				82	123	
	delta-BHC	16.65	16.6	ug/kg	100				83	126	
	gamma-BHC (Lindane)	16.65	16.8	ug/kg	101				83	125	
	Heptachlor	16.65	16.4	ug/kg	98				83	122	
	Aldrin	16.65	17.0	ug/kg	102				82	124	
	Heptachlor epoxide	16.65	16.9	ug/kg	102				83	120	
	Endosulfan I	16.65	16.7	ug/kg	100				81	124	
	Dieldrin	16.65	17.0	ug/kg	102				85	121	
	4,4'-DDE	16.65	16.6	ug/kg	100				81	123	
	Endrin	16.65	15.6	ug/kg	94				76	130	
	Endosulfan II	16.65	15.7	ug/kg	94				80	125	
	4,4'-DDD	16.65	16.7	ug/kg	100				80	131	
	Endosulfan sulfate	16.65	16.4	ug/kg	98				81	122	
	4,4'-DDT	16.65	15.6	ug/kg	94				70	129	
	Methoxychlor	16.65	15.6	ug/kg	94				60	119	
	Endrin ketone	16.65	16.8	ug/kg	101				77	132	
	Endrin aldehyde	16.65	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.65	16.7	ug/kg	100				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
PB168253BS (Column 2)	alpha-BHC	16.65	17.0	ug/kg	102				84	123	
	beta-BHC	16.65	16.4	ug/kg	98				82	123	
	delta-BHC	16.65	16.8	ug/kg	101				83	126	
	gamma-BHC (Lindane)	16.65	16.9	ug/kg	102				83	125	
	Heptachlor	16.65	16.6	ug/kg	100				83	122	
	Aldrin	16.65	17.0	ug/kg	102				82	124	
	Heptachlor epoxide	16.65	16.9	ug/kg	102				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	16.3	ug/kg	98				81	123	
	Endrin	16.65	15.6	ug/kg	94				76	130	
	Endosulfan II	16.65	16.5	ug/kg	99				80	125	
	4,4'-DDD	16.65	17.1	ug/kg	103				80	131	
	Endosulfan sulfate	16.65	16.5	ug/kg	99				81	122	
	4,4'-DDT	16.65	15.1	ug/kg	91				70	129	
	Methoxychlor	16.65	14.4	ug/kg	86				60	119	
	Endrin ketone	16.65	16.9	ug/kg	102				77	132	
	Endrin aldehyde	16.65	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.65	16.7	ug/kg	100				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168253BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: PB168253BL Lab File ID: PL095881.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/2025

Date Analyzed (1): 06/03/2025 Date Analyzed (2): 06/03/2025

Time Analyzed (1): 12:49 Time Analyzed (2): 12:49

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168253BS	PB168253BS	PL095882.D	06/03/2025	06/03/2025
TP-46	Q2176-01	PL095885.D	06/03/2025	06/03/2025
TP-56	Q2176-02	PL095886.D	06/03/2025	06/03/2025
TP-25	Q2176-03	PL095887.D	06/03/2025	06/03/2025
TP-25MS	Q2176-03MS	PL095888.D	06/03/2025	06/03/2025
TP-25MSD	Q2176-03MSD	PL095889.D	06/03/2025	06/03/2025
TP-26	Q2176-04	PL095890.D	06/03/2025	06/03/2025
TP-28	Q2176-05	PL095891.D	06/03/2025	06/03/2025
TP-27	Q2176-06	PL095892.D	06/03/2025	06/03/2025
TP-31	Q2176-07	PL095893.D	06/03/2025	06/03/2025
TP-65	Q2176-08	PL095894.D	06/03/2025	06/03/2025

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PL095885.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PL095885.D	1	06/03/25 09:30	06/03/25 14:14	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		20 - 144	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		19 - 148	94%	SPK: 20

Raw Data: **PL095885.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PL095885.D	1	06/03/25 09:30	06/03/25 14:14	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095885.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:14
Operator : AR\AJ
Sample : Q2176-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-46

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.571	2.885	59399270	71864801	18.825m	18.361
28)	SA Decachlor...	9.099	8.059	37247424	68153203	15.807	15.580
	Target Compounds						

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

Sample Results: **PL095885.D**

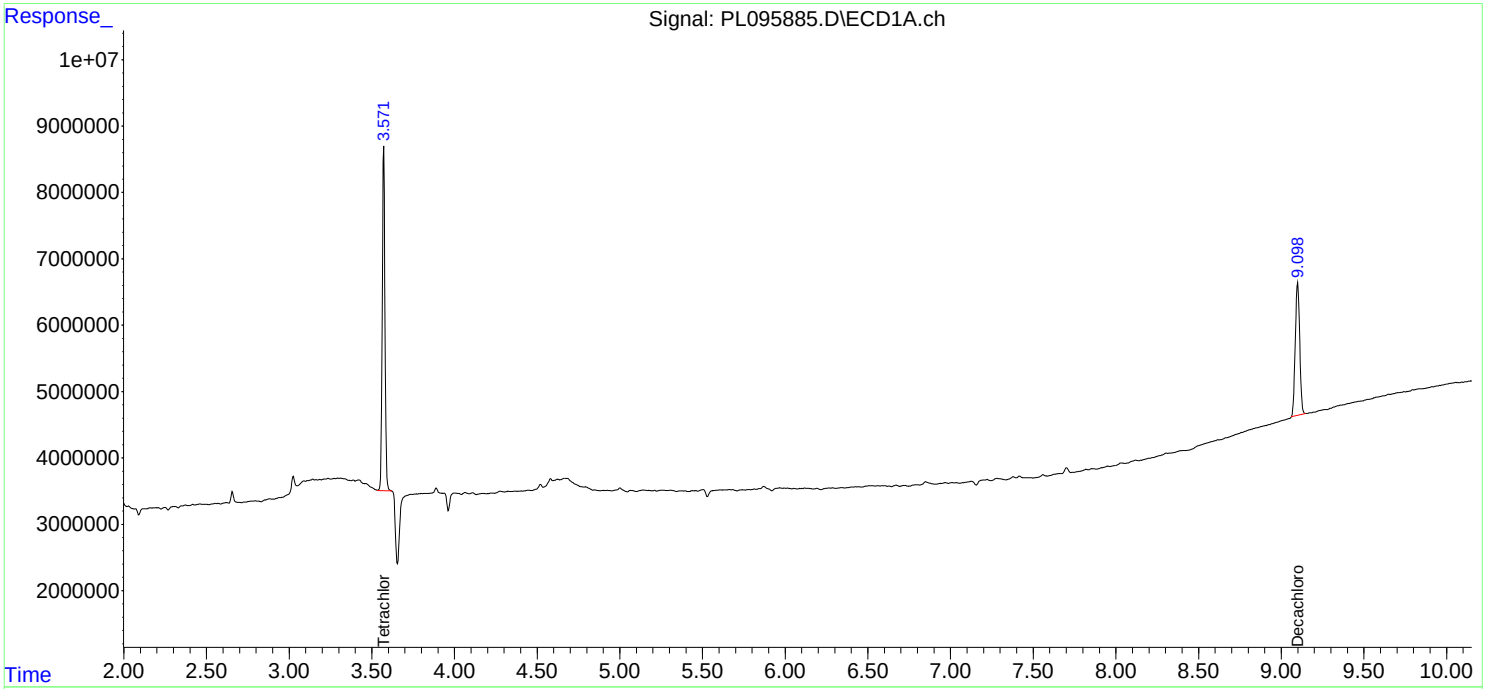
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:14
Operator : AR\AJ
Sample : Q2176-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

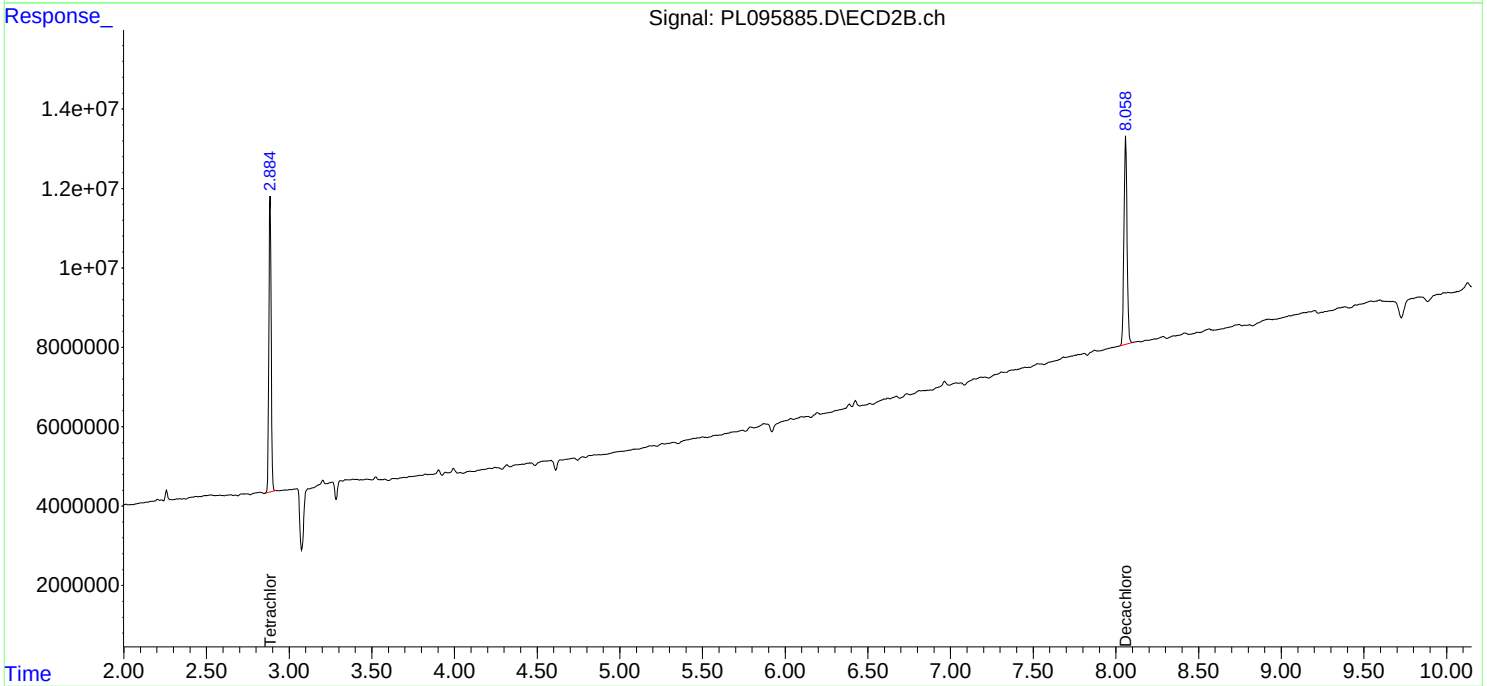
Instrument :
ECD_L
ClientSampleId :
TP-46

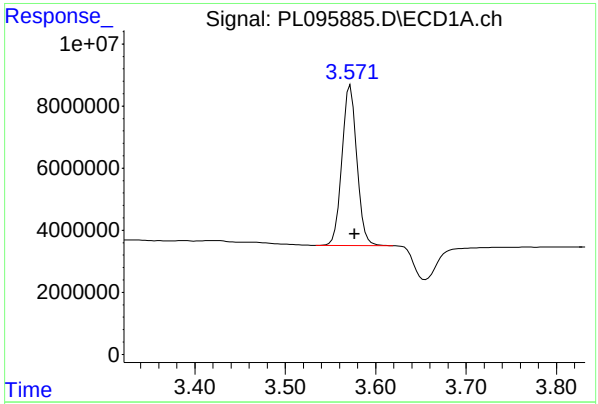
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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







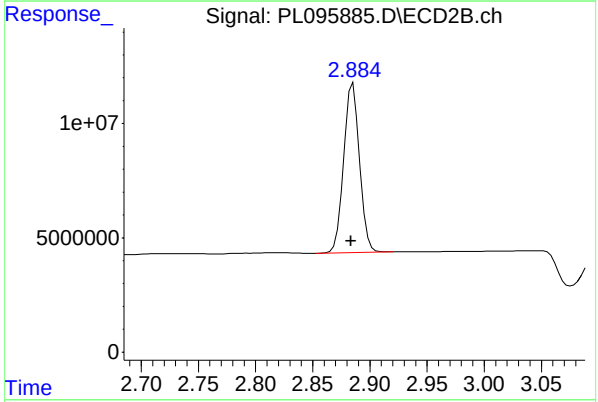
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 59399270
Conc: 18.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-46

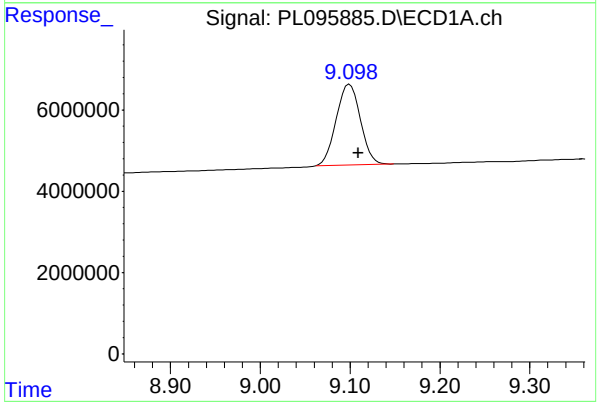
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



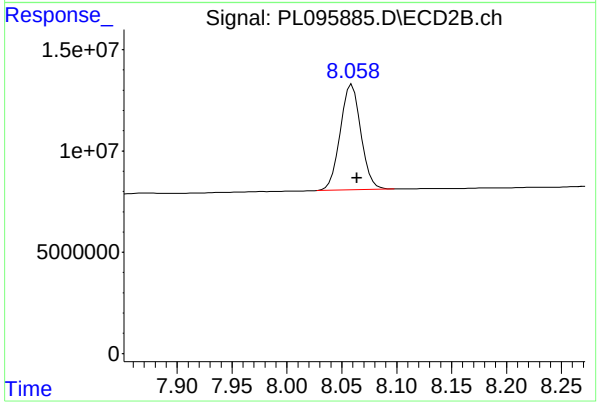
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 71864801
Conc: 18.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 37247424
Conc: 15.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 68153203
Conc: 15.58 ng/ml

Raw Data: **PL095886.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 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
PL095886.D	1	06/03/25 09:30	06/03/25 14:28	PB168253

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	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		19 - 148	96%	SPK: 20

Raw Data: **PL095886.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 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
PL095886.D	1	06/03/25 09:30	06/03/25 14:28	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095886.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:28
Operator : AR\AJ
Sample : Q2176-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-56

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.571	2.886	60413681	72541037	19.147m	18.534
28)	SA Decachlor...	9.099	8.059	30861034	55332499	13.097	12.649
	Target Compounds						

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

Sample Results: **PL095886.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:28
Operator : AR\AJ
Sample : Q2176-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

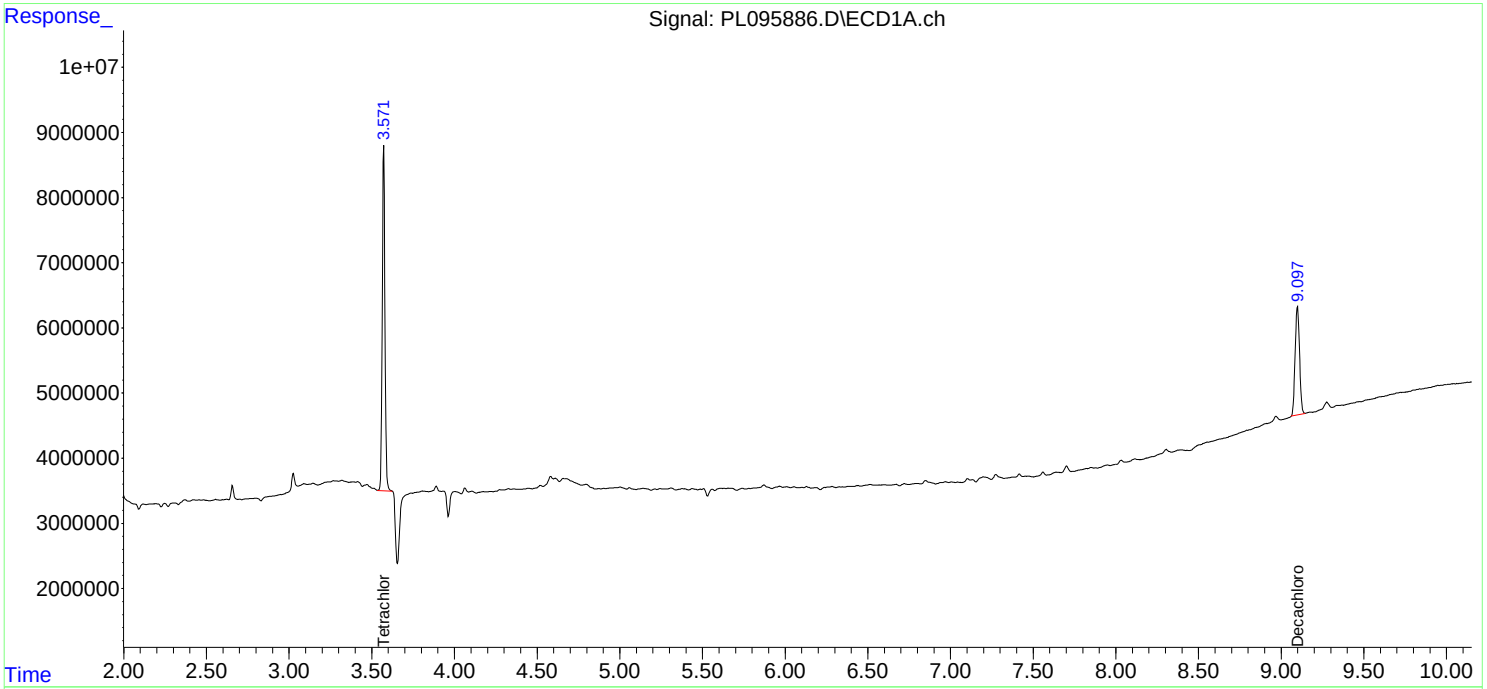
Instrument :
ECD_L
ClientSampleId :
TP-56

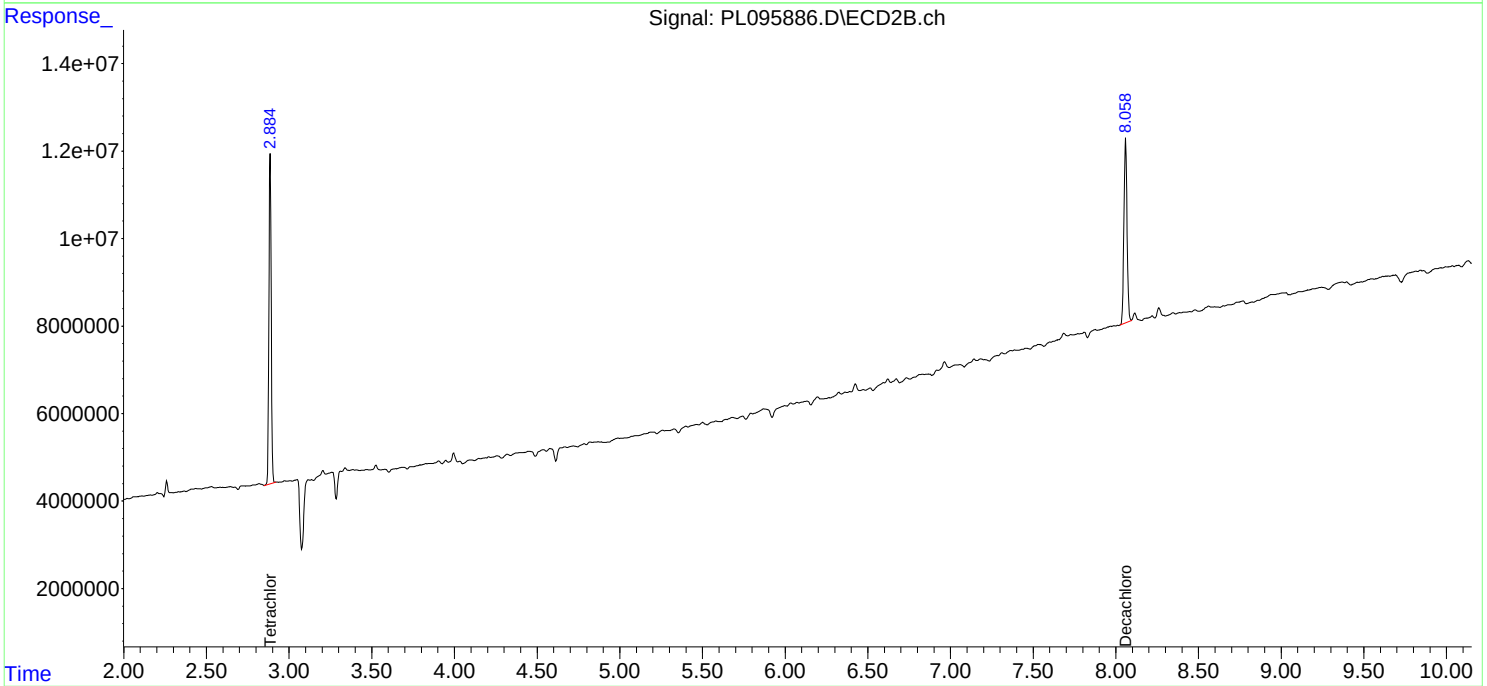
Manual Integrations APPROVED

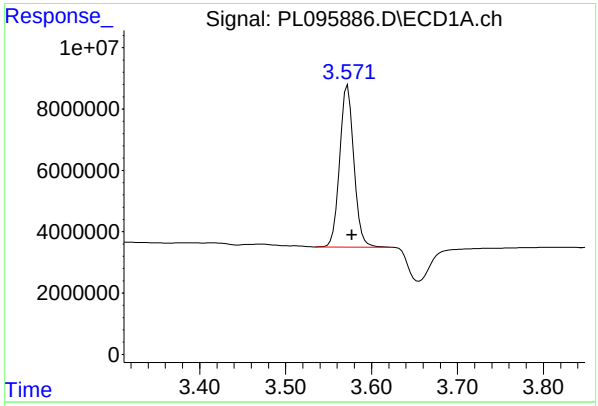
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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







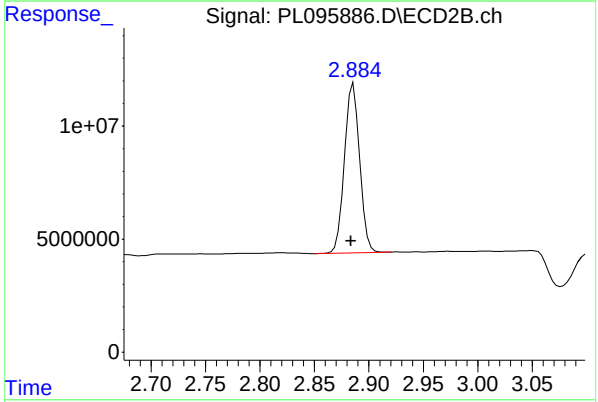
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 60413681
Conc: 19.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-56

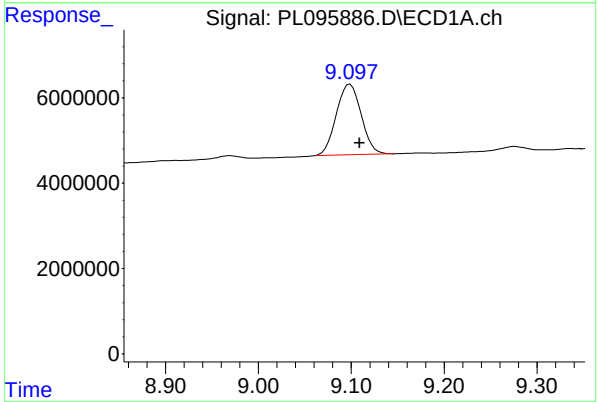
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



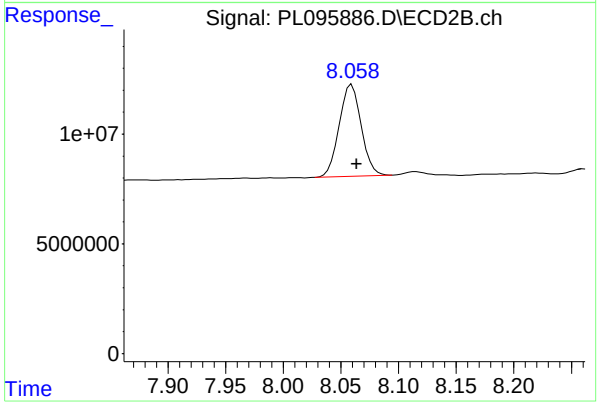
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 72541037
Conc: 18.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 30861034
Conc: 13.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 55332499
Conc: 12.65 ng/ml

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095887.D	1	06/03/25 09:30	06/03/25 14:42	PB168253

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	0.26	J	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	38.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.7		20 - 144	73%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		19 - 148	101%	SPK: 20

Raw Data: **PL095887.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095887.D	1	06/03/25 09:30	06/03/25 14:42	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Sample Results: **PL095887.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:42
Operator : AR\AJ
Sample : Q2176-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-25

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.571	2.886	63995769	77616934	20.282m	19.831
28)	SA Decachlor...	9.099	8.060	34605078	64097333	14.686	14.653
	Target Compounds						
13)	MA Dieldrin	6.372	5.502	1821358	3571369	0.472m	0.674m#

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

Sample Results: **PL095887.D**

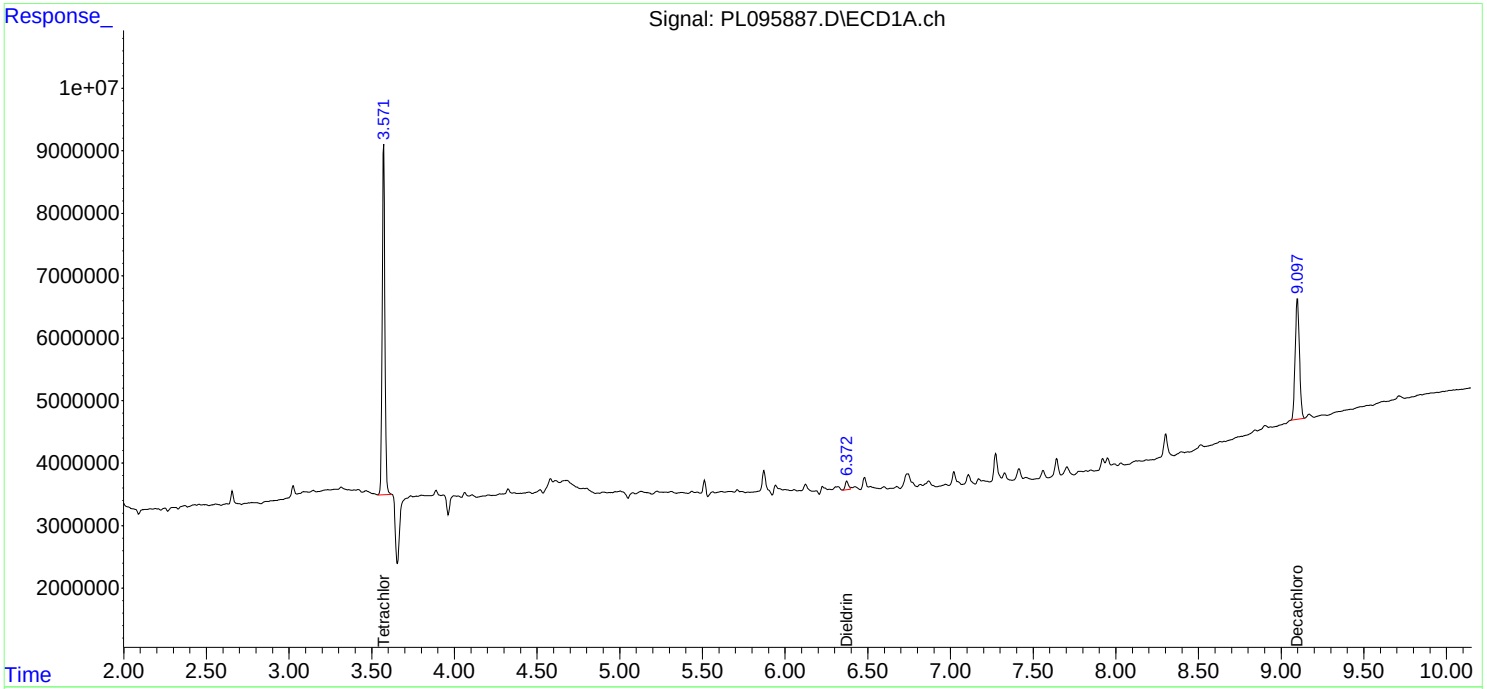
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:42
Operator : AR\AJ
Sample : Q2176-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

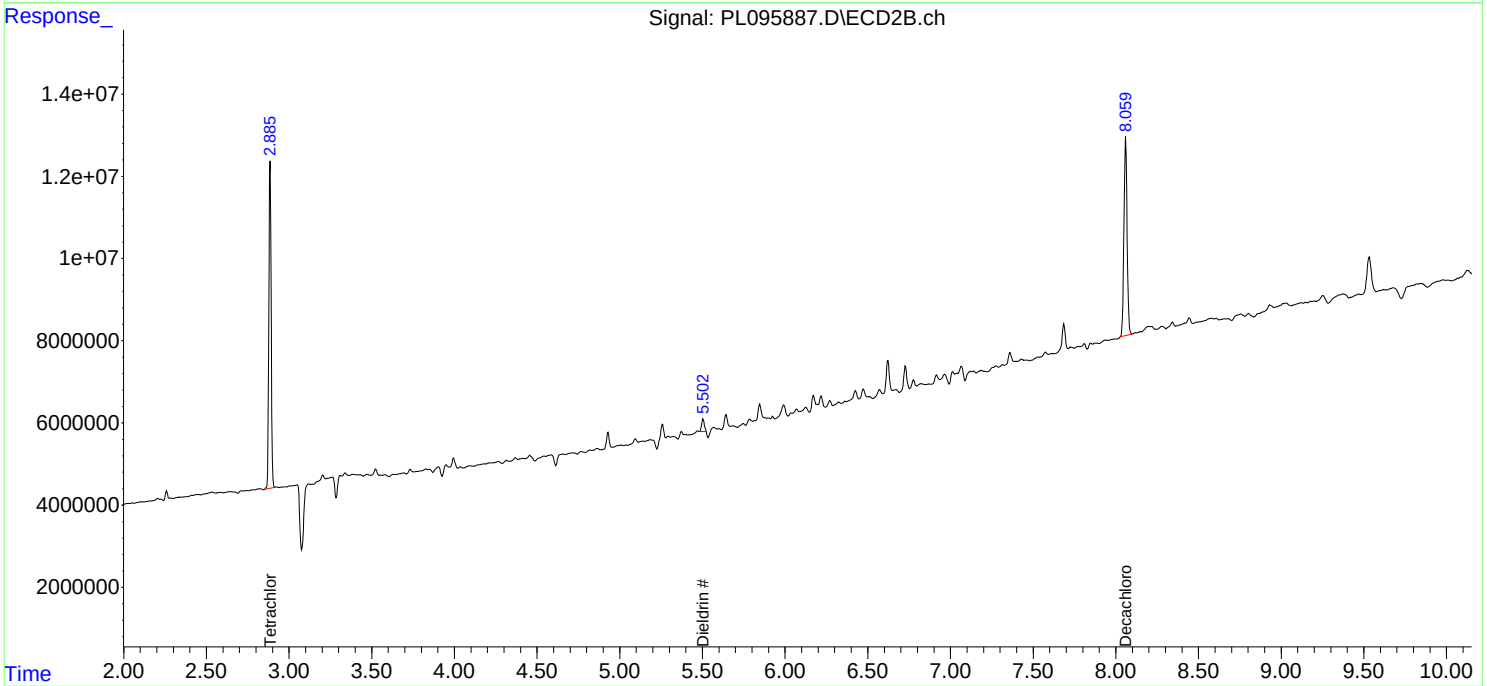
Instrument :
ECD_L
ClientSampleId :
TP-25

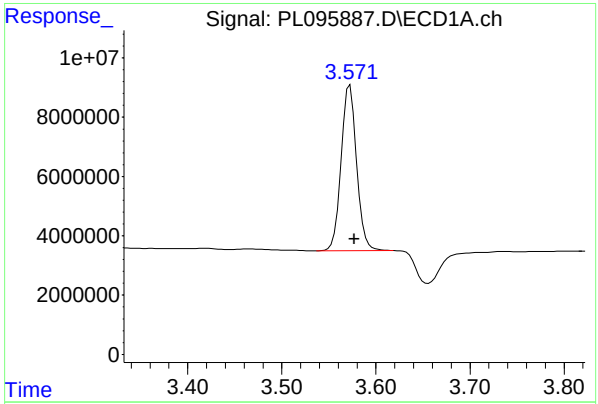
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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







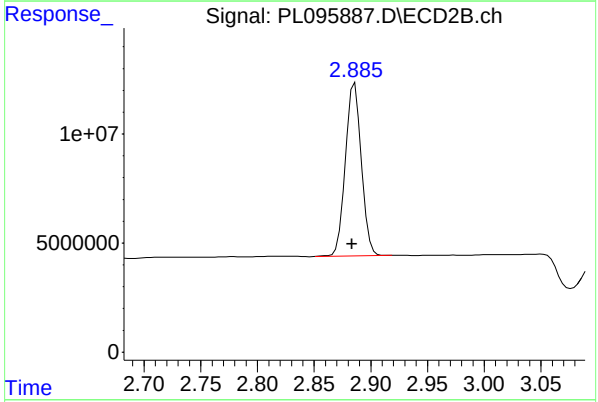
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 mi
Response: 63995769
Conc: 20.28 ng/m

Instrument :
ECD_L
ClientSampleId :
TP-25

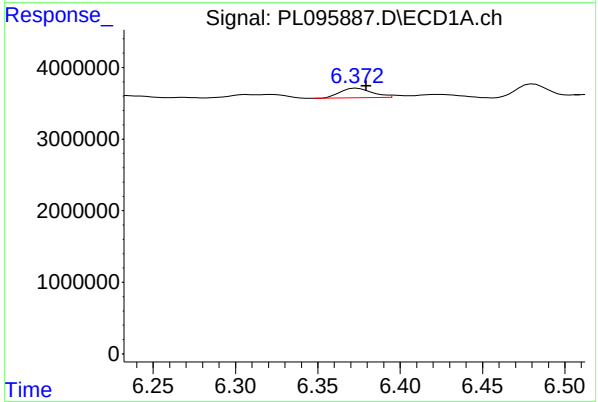
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



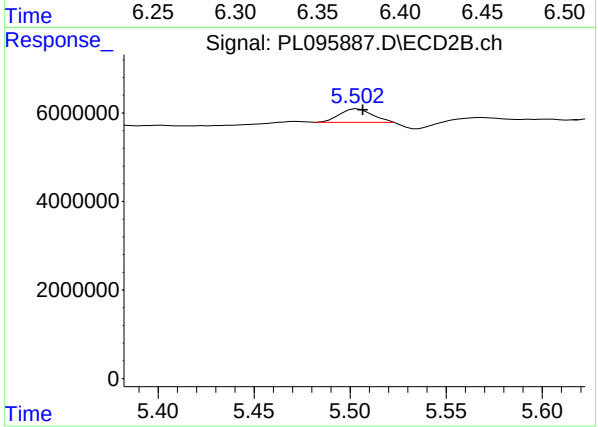
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 77616934
Conc: 19.83 ng/ml



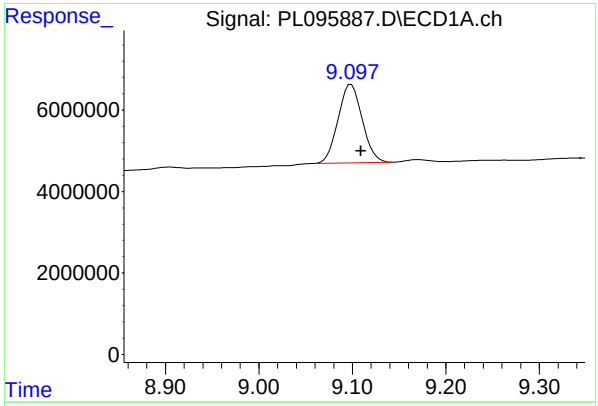
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: -0.007 min
Response: 1821358
Conc: 0.47 ng/ml m



#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.004 min
Response: 3571369
Conc: 0.67 ng/ml m



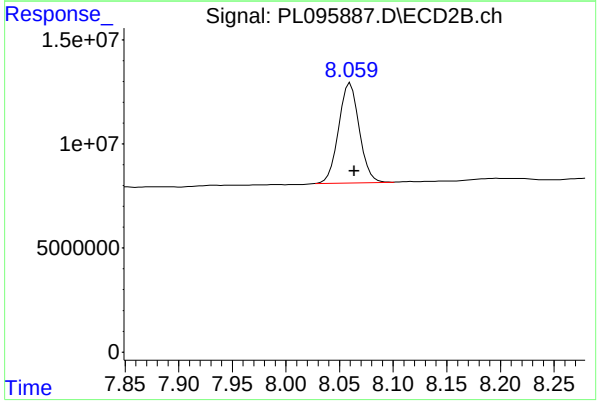
#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 34605078
Conc: 14.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 64097333
Conc: 14.65 ng/ml

Raw Data: **PL095890.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.2 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
PL095890.D	1	06/03/25 09:30	06/03/25 15:22	PB168253

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	1.40	J	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	0.16	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	5.10	P	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	2.90	P	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.2		20 - 144	56%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.7		19 - 148	63%	SPK: 20

Raw Data: **PL095890.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.2 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
PL095890.D	1	06/03/25 09:30	06/03/25 15:22	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095890.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:22
Operator : AR\AJ
Sample : Q2176-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-26

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.573	2.886	38810193	49555817	12.300	12.661
28) SA	Decachlor...	9.100	8.059	26384854	36482705	11.197	8.340 #
	Target Compounds						
10) B	gamma-Chl...	5.970	5.119	28872373	24577358	7.418m	4.679m#
11) B	alpha-Chl...	6.056	5.183	51228252	31197396	12.975	5.996m#
12) B	4,4'-DDE	6.224	5.370	11679423	19442414	3.184m	3.626m

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

Sample Results: **PL095890.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:22
Operator : AR\AJ
Sample : Q2176-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

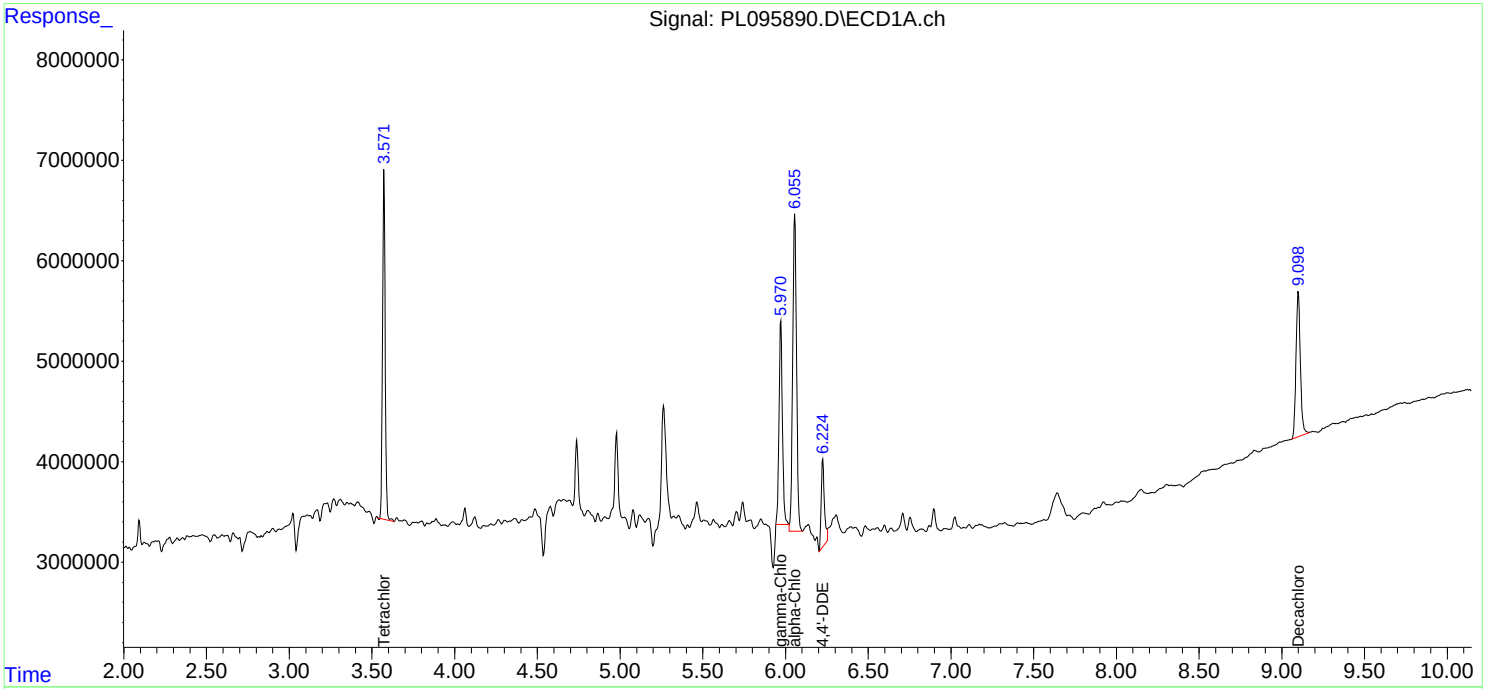
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

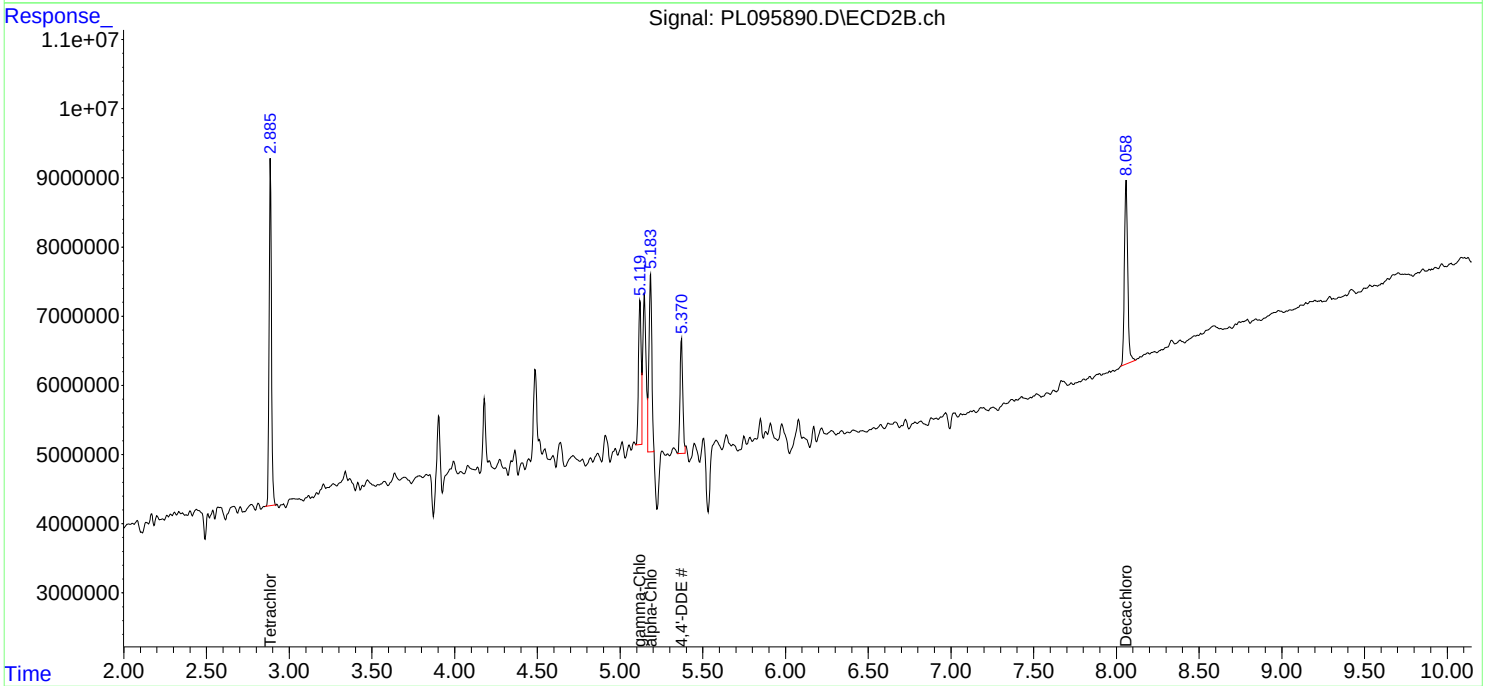
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

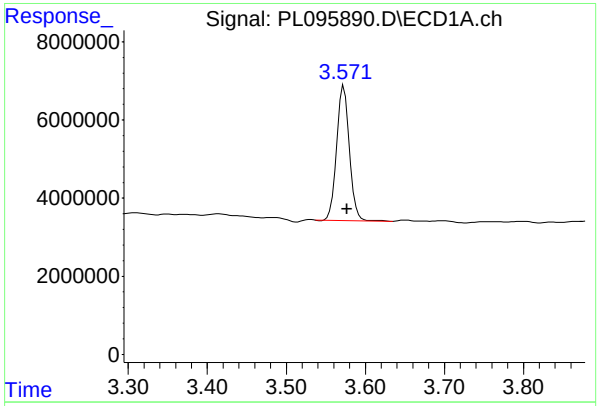
Instrument :
ECD_L
ClientSampleId :
TP-26

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025







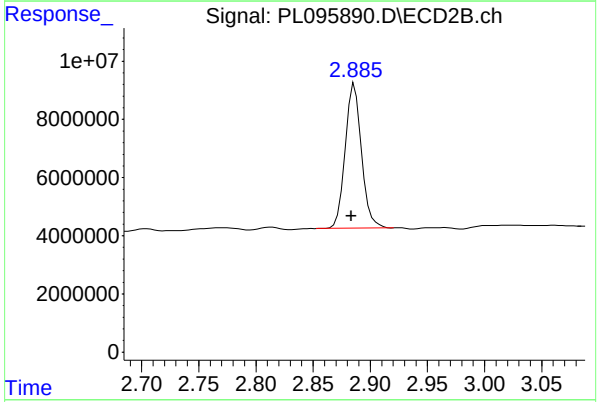
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 38810193
Conc: 12.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-26

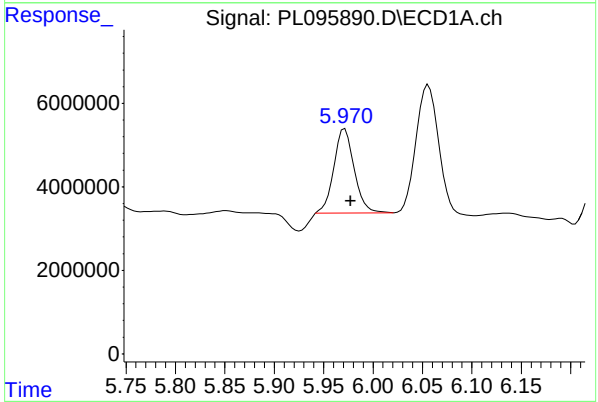
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



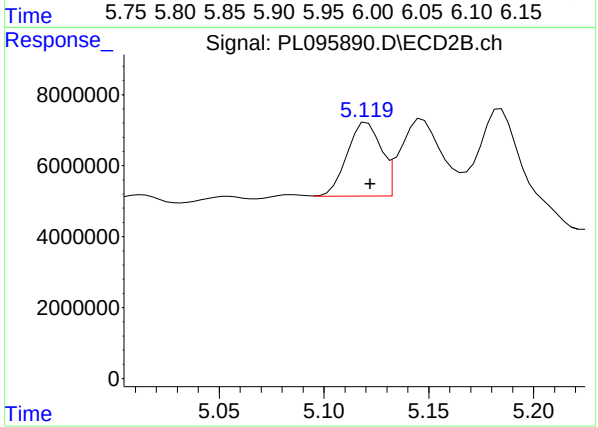
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 49555817
Conc: 12.66 ng/ml



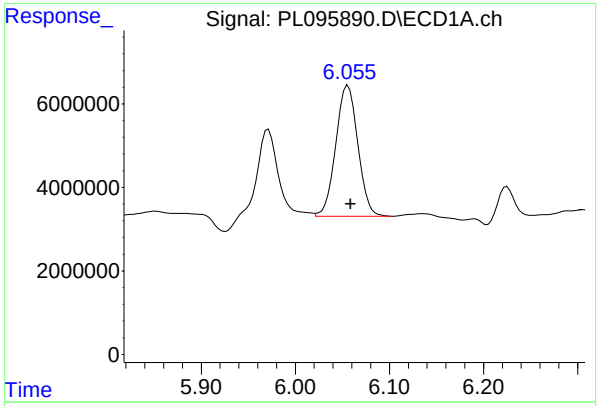
#10 gamma-Chlordane

R.T.: 5.970 min
Delta R.T.: -0.007 min
Response: 28872373
Conc: 7.42 ng/ml m



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 24577358
Conc: 4.68 ng/ml m



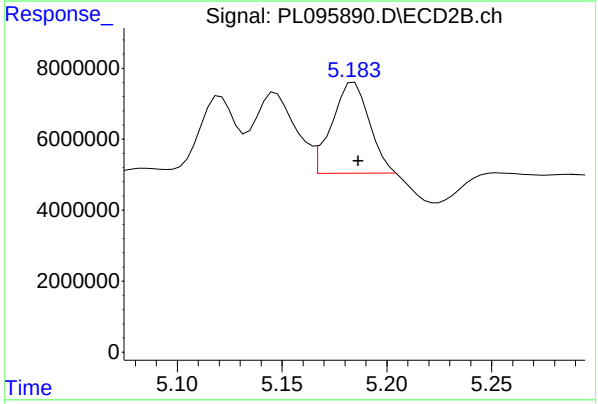
#11 alpha-Chlordane

R.T.: 6.056 min
Delta R.T.: -0.003 min
Response: 51228252
Conc: 12.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-26

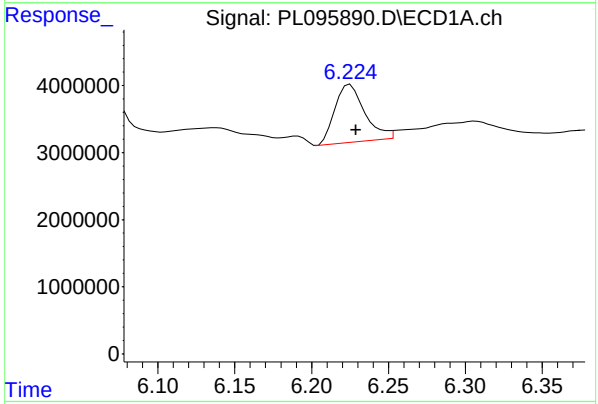
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



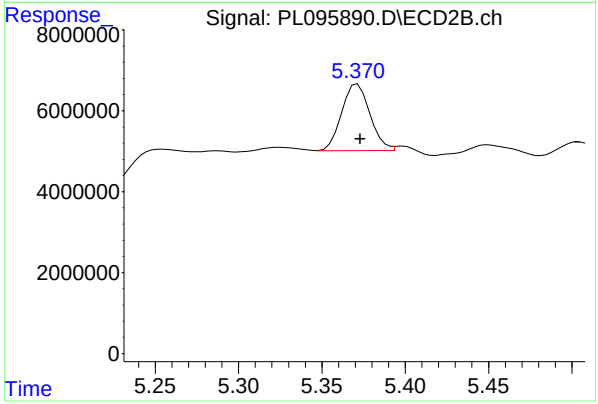
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.003 min
Response: 31197396
Conc: 6.00 ng/ml m



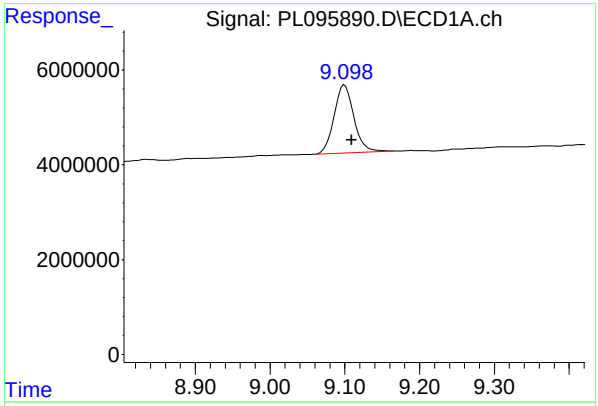
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 11679423
Conc: 3.18 ng/ml m



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.003 min
Response: 19442414
Conc: 3.63 ng/ml m



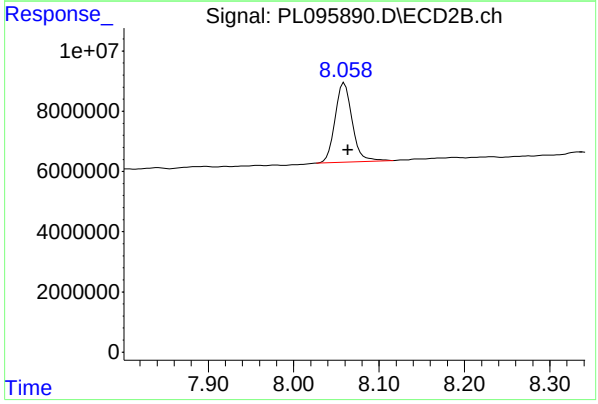
#28 Decachlorobiphenyl

R.T.: 9.100 min
Delta R.T.: -0.009 min
Response: 26384854
Conc: 11.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-26

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 36482705
Conc: 8.34 ng/ml

Raw Data: **PL095891.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5 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
PL095891.D	1	06/03/25 09:30	06/03/25 15:36	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.2		20 - 144	71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

Raw Data: **PL095891.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5 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
PL095891.D	1	06/03/25 09:30	06/03/25 15:36	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095891.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:36
Operator : AR\AJ
Sample : Q2176-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-28

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.571	2.886	57063573	71309865	18.085m	18.219
28)	SA Decachlor...	9.099	8.060	33392280	51917428	14.171	11.868
	Target Compounds						

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

Sample Results: **PL095891.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:36
Operator : AR\AJ
Sample : Q2176-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

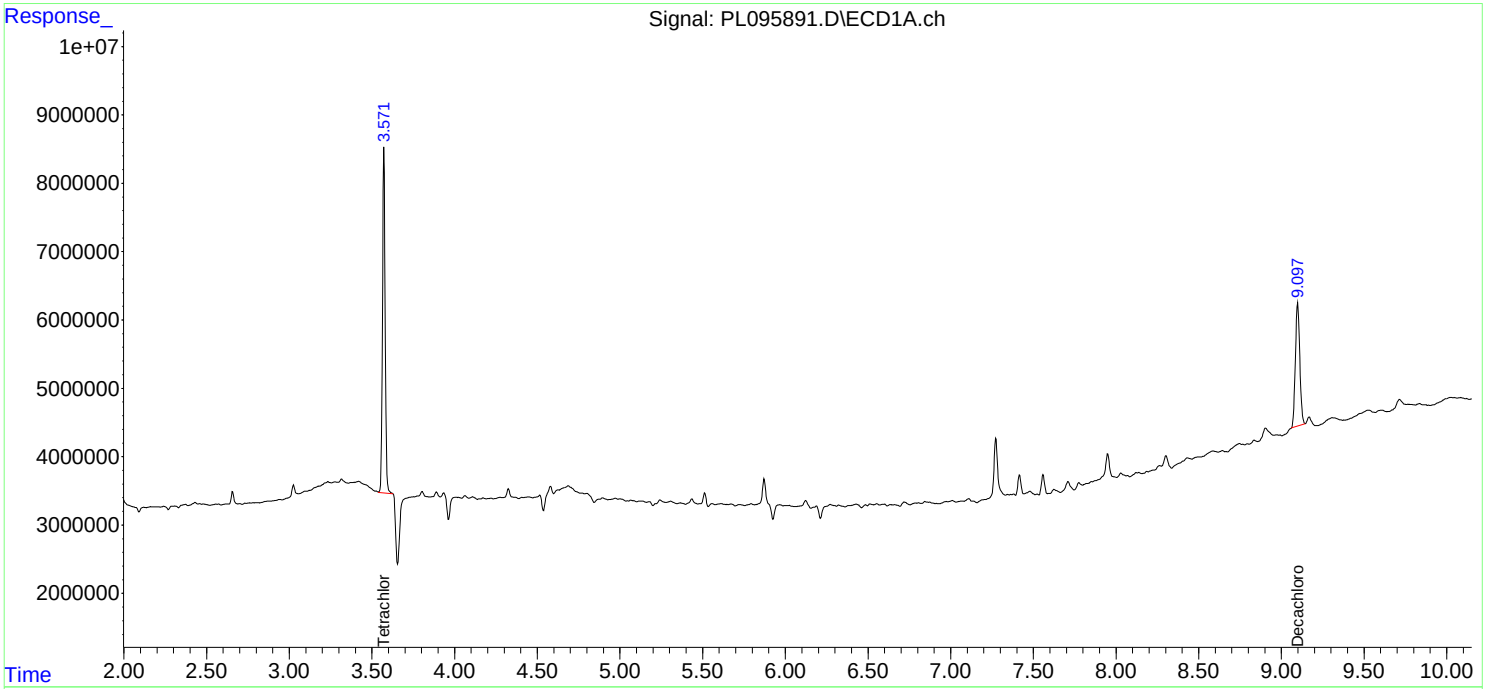
Instrument :
ECD_L
ClientSampleId :
TP-28

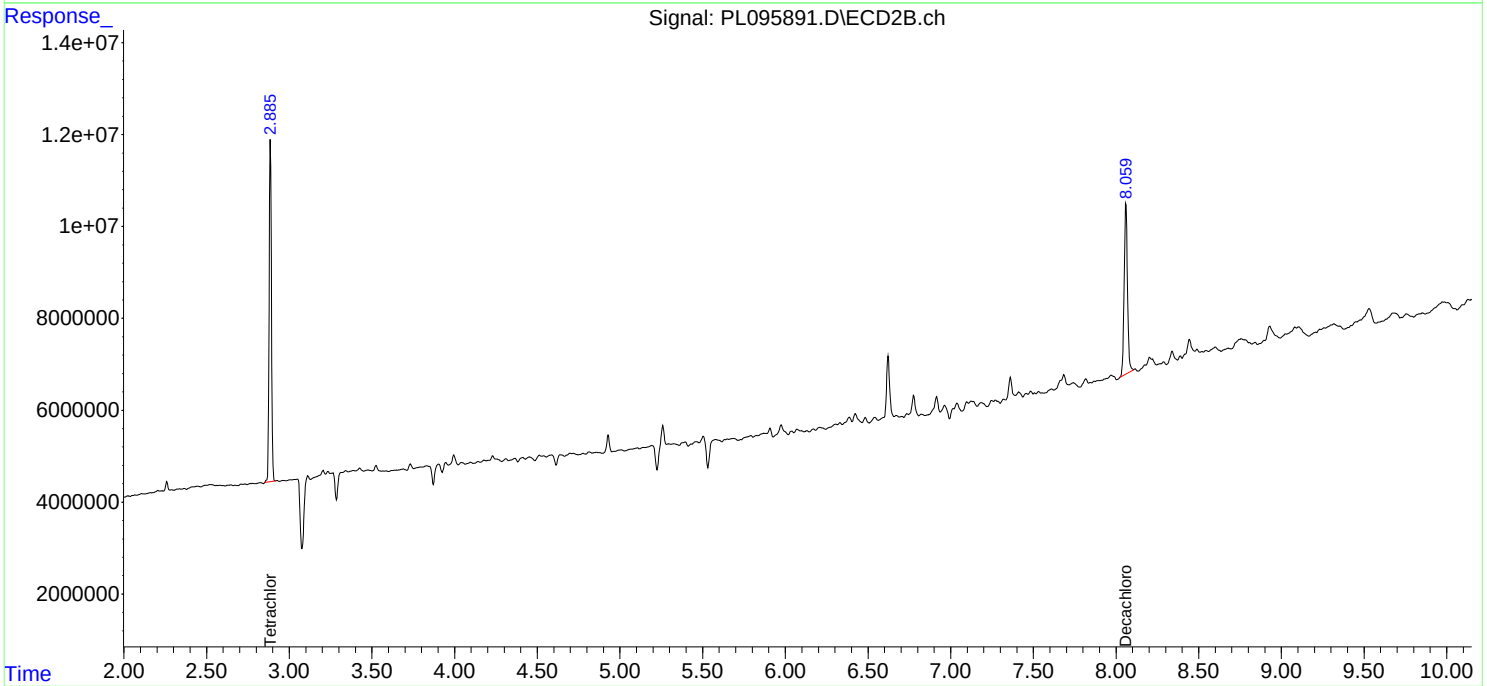
Manual Integrations APPROVED

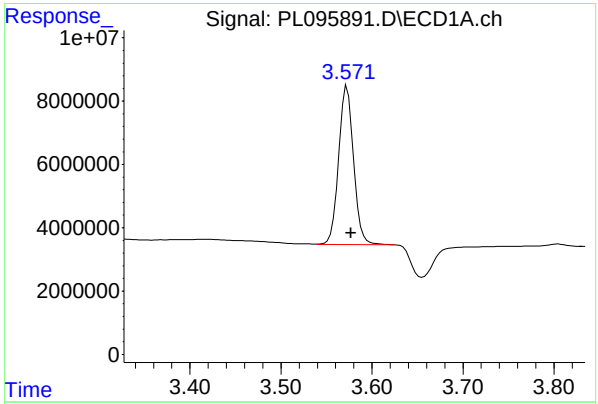
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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







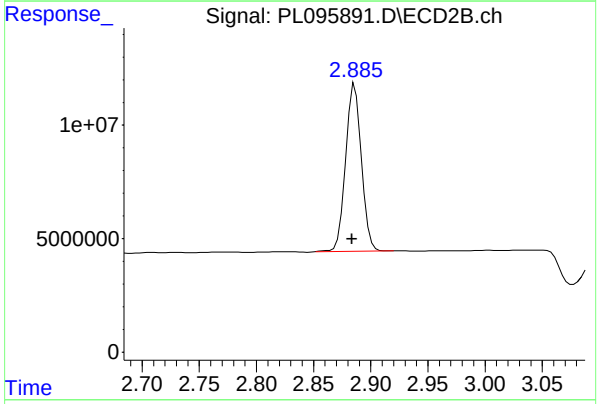
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 mi
Response: 57063573
Conc: 18.09 ng/m

Instrument :
ECD_L
ClientSampleId :
TP-28

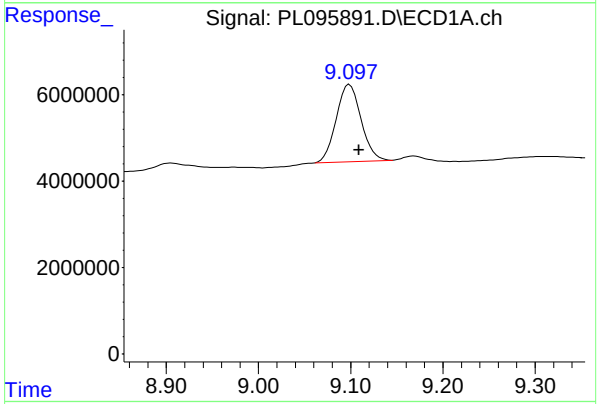
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



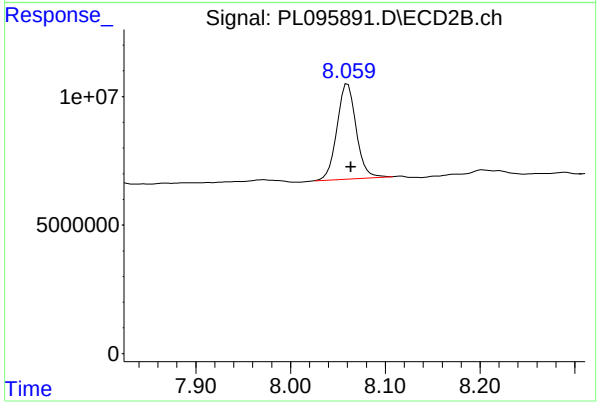
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 71309865
Conc: 18.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 33392280
Conc: 14.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 51917428
Conc: 11.87 ng/ml

Raw Data: **PL095892.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095892.D	1	06/03/25 09:30	06/03/25 15:50	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.72		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.3		19 - 148	61%	SPK: 20

Raw Data: **PL095892.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095892.D	1	06/03/25 09:30	06/03/25 15:50	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095892.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:50
Operator : AR\AJ
Sample : Q2176-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-27

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.886	38645086	47358372	12.248	12.100
28)	SA Decachlor...	9.097	8.059	20547157	36385273	8.720	8.318
	Target Compounds						

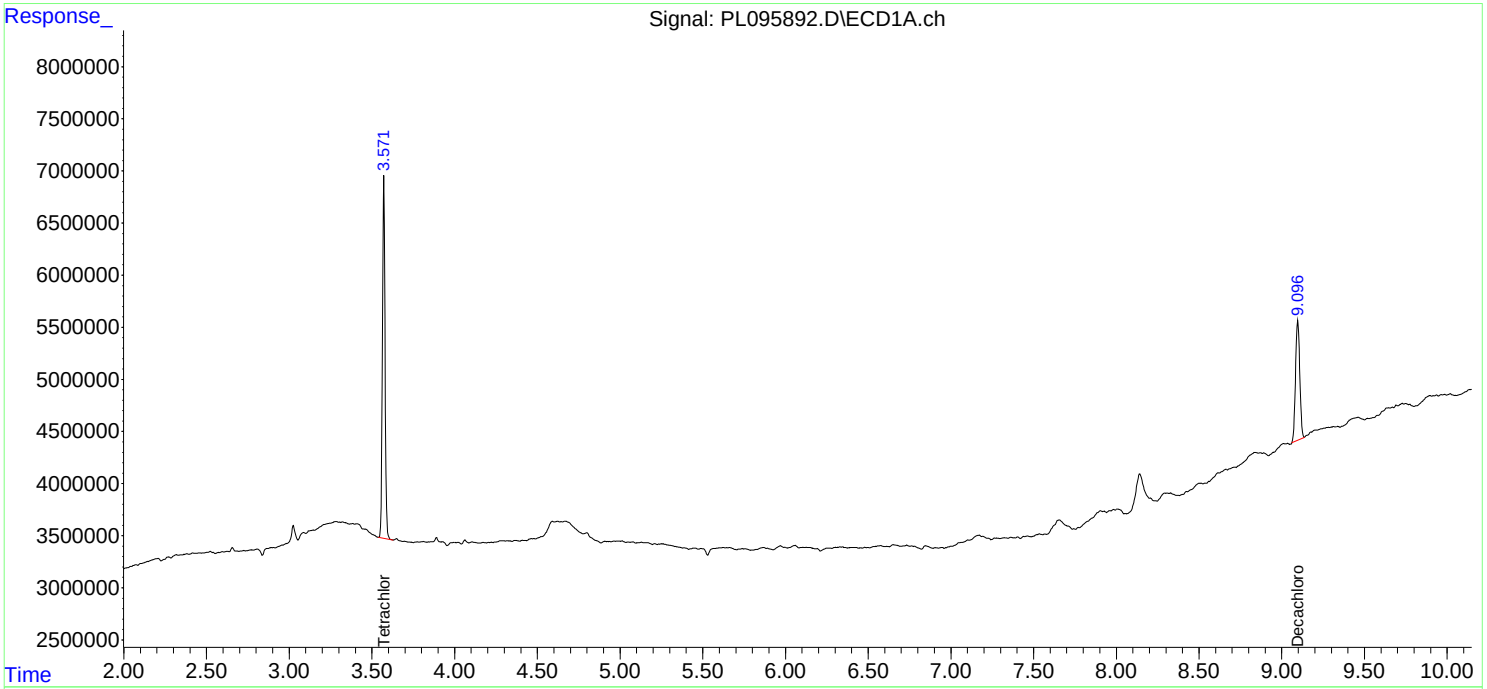
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

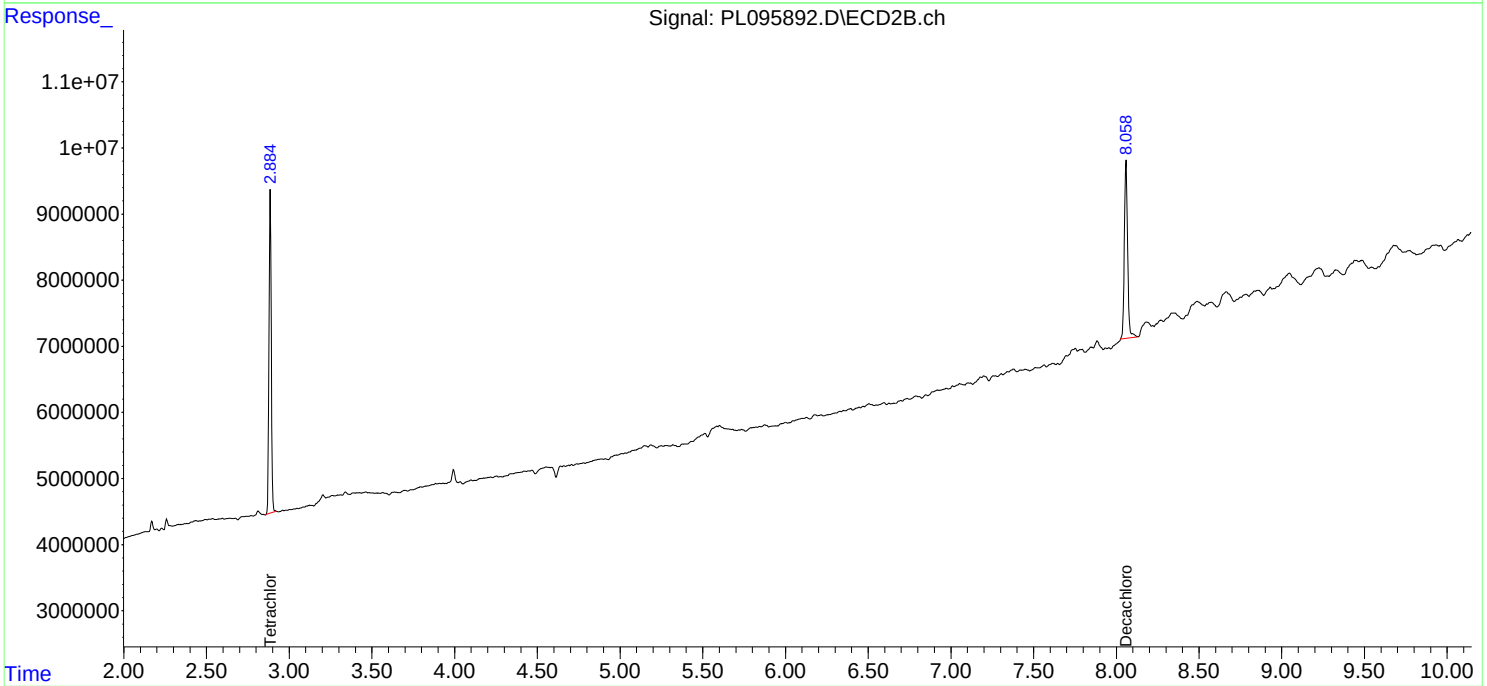
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:50
Operator : AR\AJ
Sample : Q2176-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

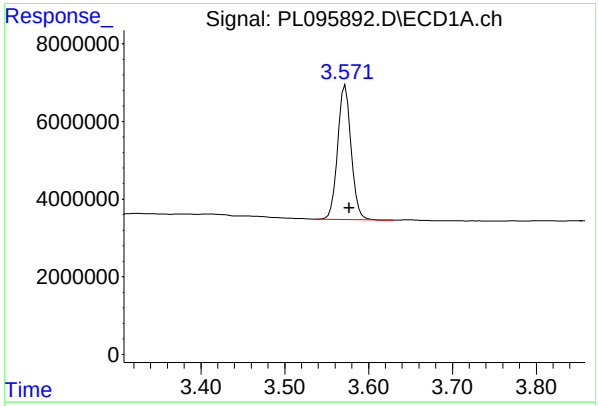
Instrument :
ECD_L
ClientSampleId :
TP-27

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



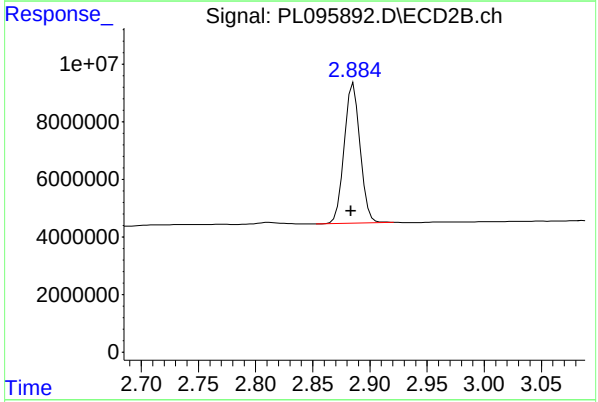




#1 Tetrachloro-m-xylene

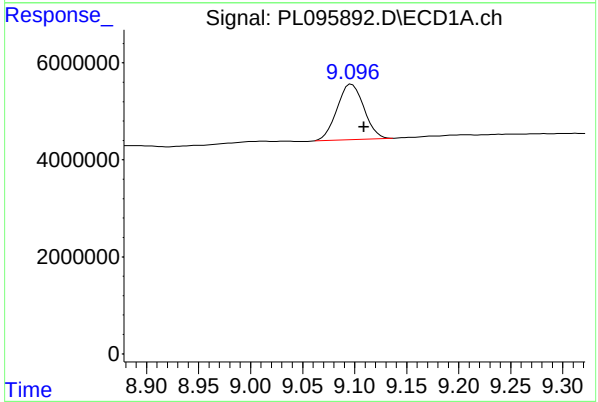
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 38645086
Conc: 12.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-27



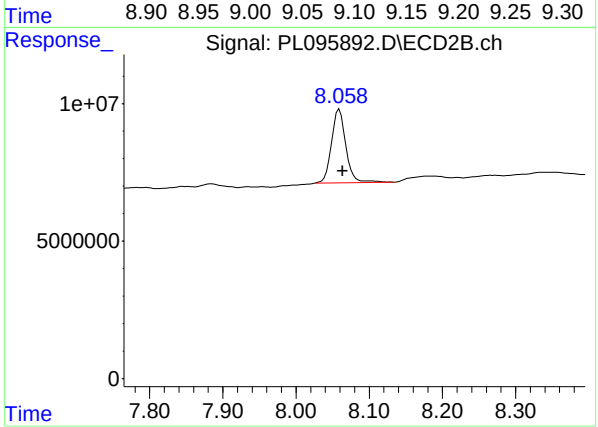
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 47358372
Conc: 12.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.012 min
Response: 20547157
Conc: 8.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 36385273
Conc: 8.32 ng/ml

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095893.D	1	06/03/25 09:30	06/03/25 16:03	PB168253

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	37.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.79		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

Raw Data: **PL095893.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095893.D	1	06/03/25 09:30	06/03/25 16:03	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Sample Results: **PL095893.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:03
Operator : AR\AJ
Sample : Q2176-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-31

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.571	2.886	52123361	64815267	16.519m	16.560
28)	SA Decachlor...	9.097	8.059	20712260	35974083	8.790	8.224
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:03
Operator : AR\AJ
Sample : Q2176-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

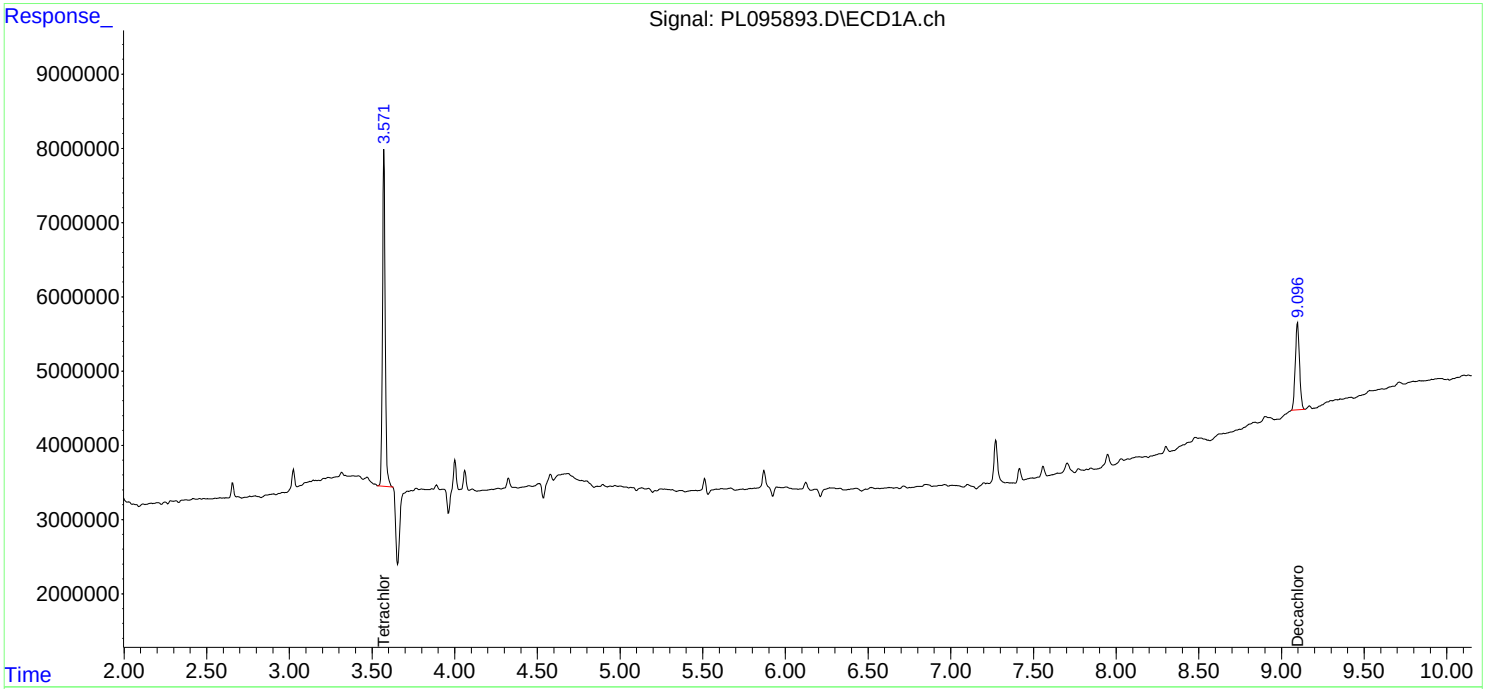
Instrument :
ECD_L
ClientSampleId :
TP-31

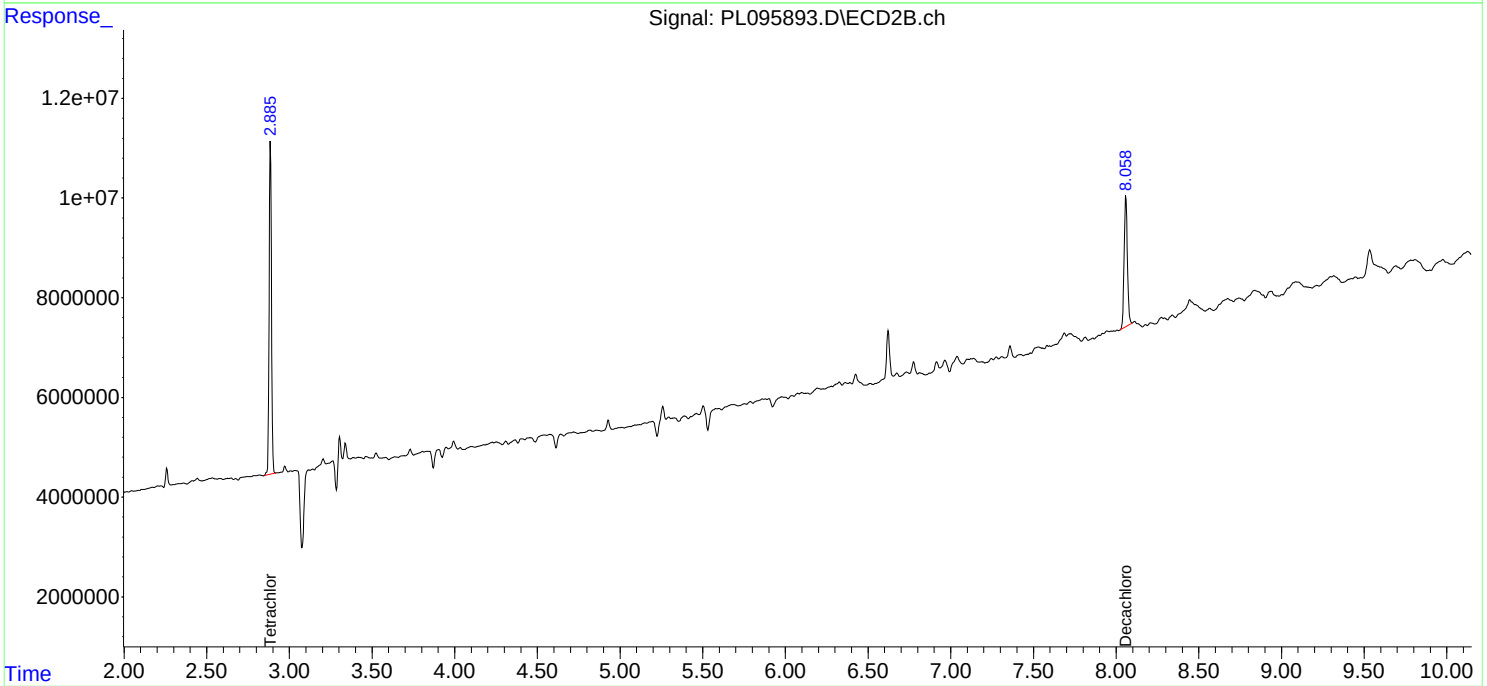
Manual Integrations APPROVED

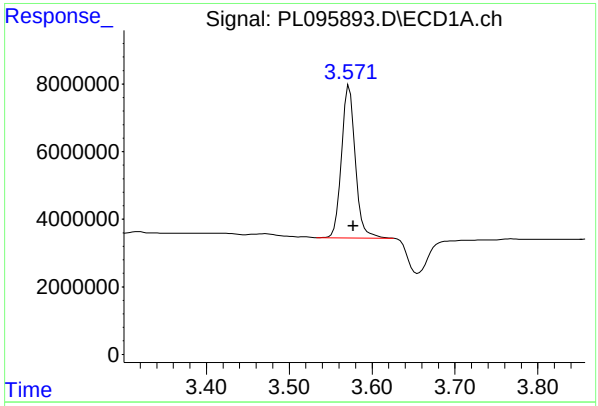
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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







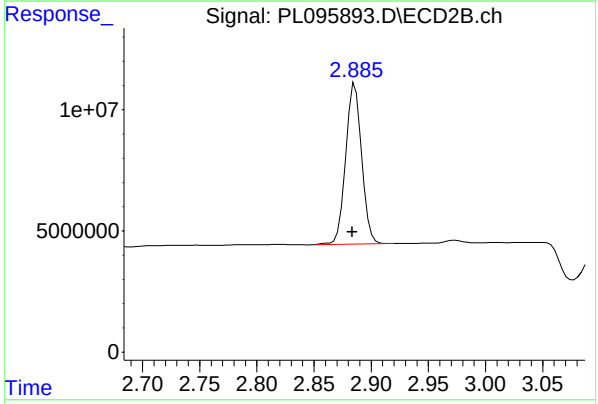
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 52123361
Conc: 16.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-31

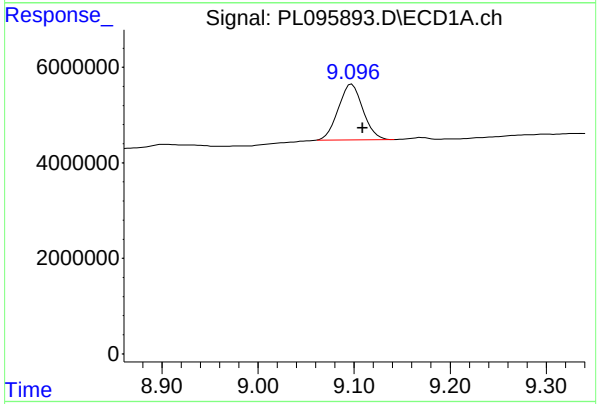
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



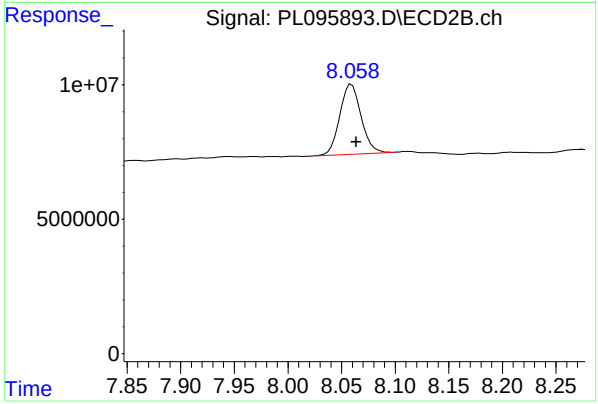
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 64815267
Conc: 16.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.011 min
Response: 20712260
Conc: 8.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 35974083
Conc: 8.22 ng/ml

Raw Data: **PL095894.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095894.D	1	06/03/25 09:30	06/03/25 16:17	PB168253

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	37.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.69		20 - 144	48%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.9		19 - 148	69%	SPK: 20

Raw Data: **PL095894.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095894.D	1	06/03/25 09:30	06/03/25 16:17	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095894.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:17
Operator : AR\AJ
Sample : Q2176-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 05:31:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.886	43831179	53340619	13.891	13.628
28)	SA Decachlor...	9.099	8.059	22837440	34848764	9.692	7.966
	Target Compounds						

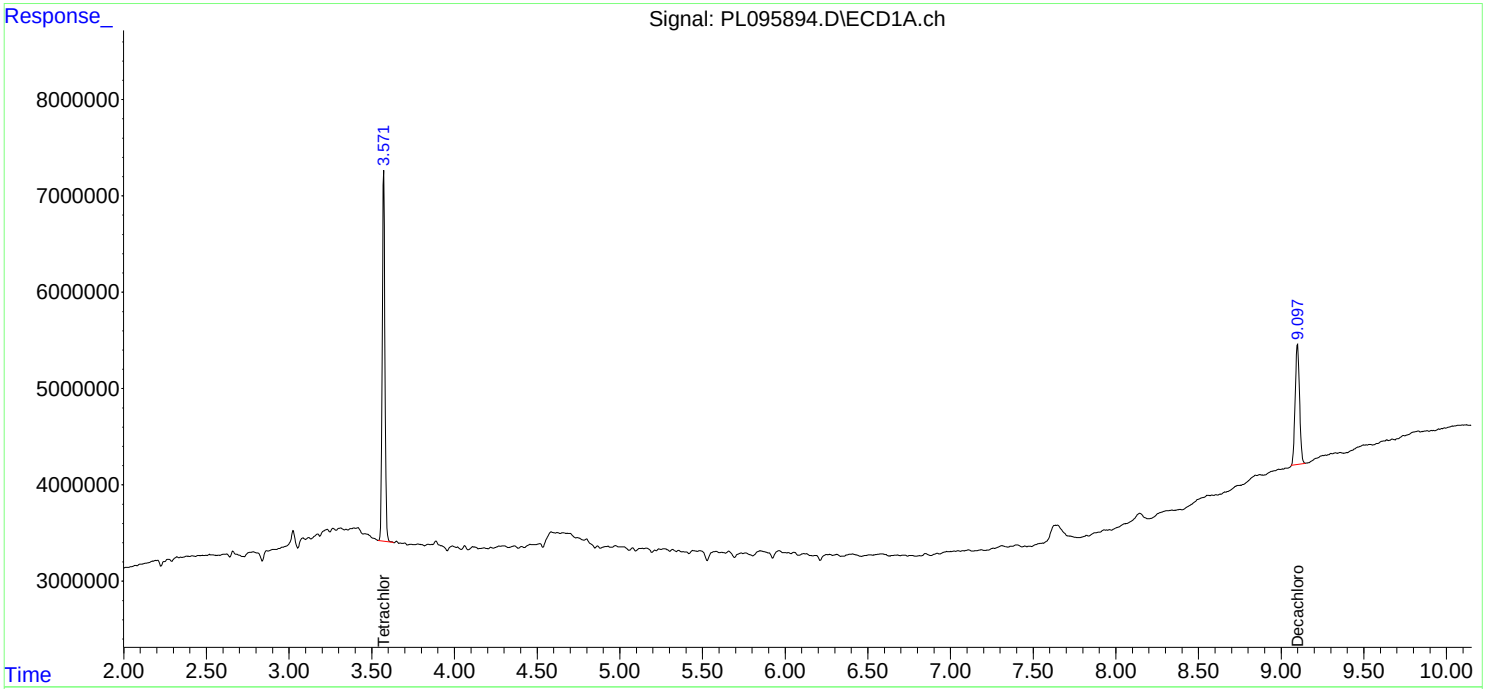
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

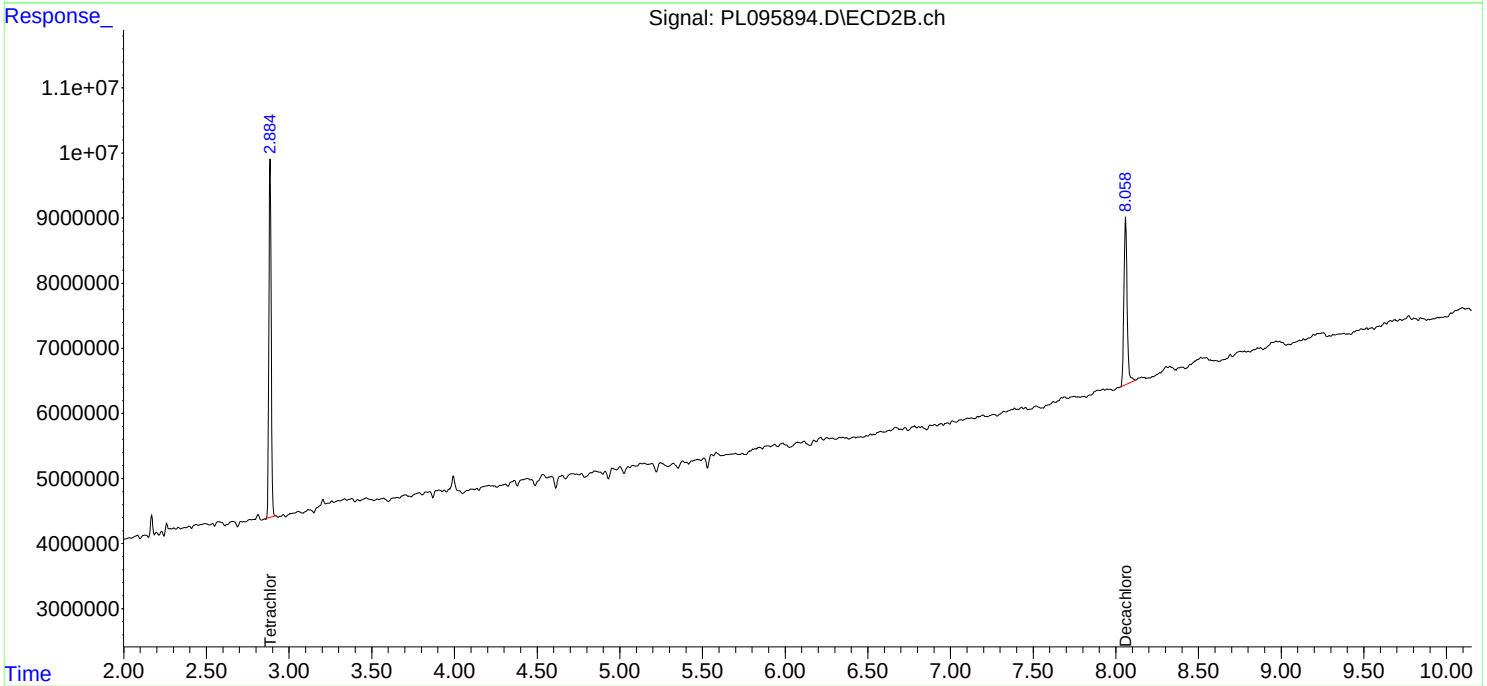
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:17
Operator : AR\AJ
Sample : Q2176-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

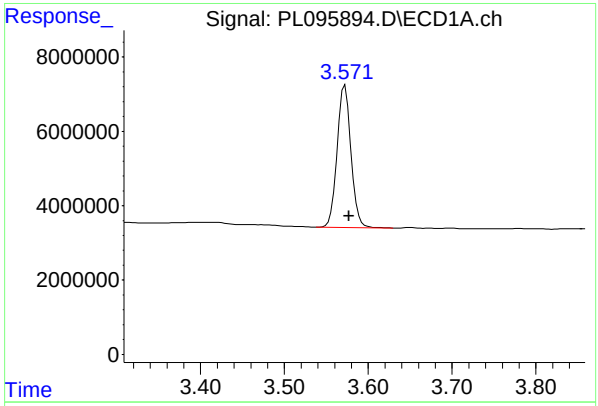
Instrument :
ECD_L
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 05:31:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



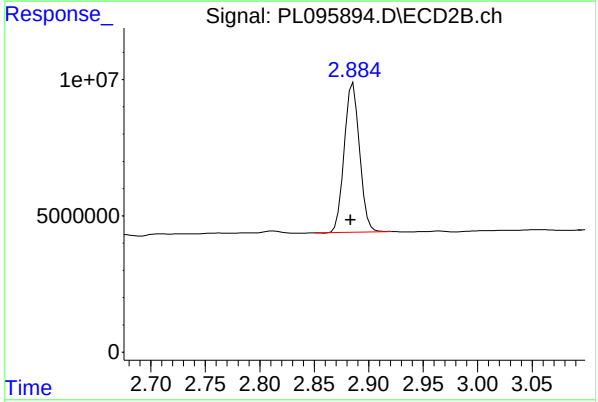




#1 Tetrachloro-m-xylene

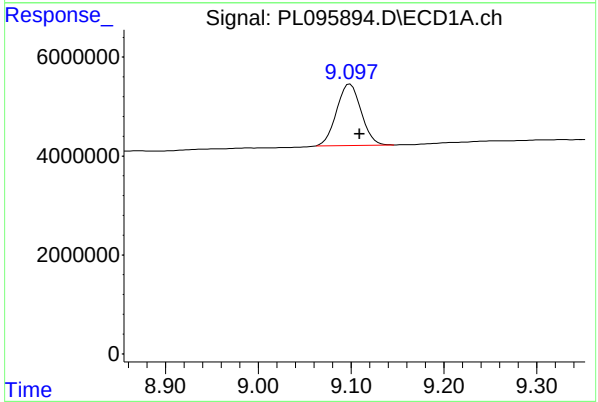
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 43831179
Conc: 13.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-65



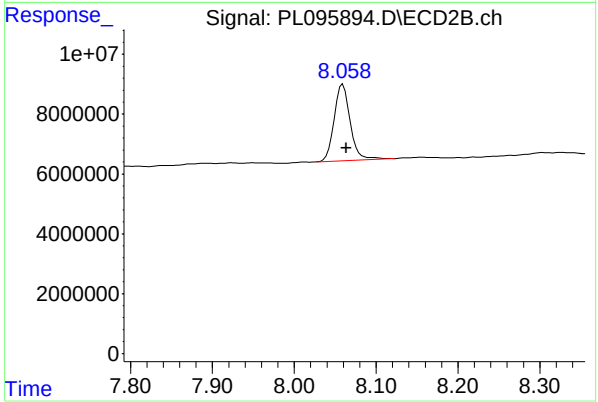
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 53340619
Conc: 13.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 22837440
Conc: 9.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 34848764
Conc: 7.97 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID: RT 100 = PL095735.D RT 075 = PL095736.D

RT 050 = PL095737.D RT 025 = PL095738.D RT 005 = PL095739.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.74	6.74	6.73	6.73	6.73	6.74	6.64	6.84
4,4'-DDE	6.23	6.22	6.22	6.22	6.22	6.22	6.12	6.32
4,4'-DDT	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aldrin	5.30	5.30	5.30	5.30	5.30	5.30	5.20	5.40
alpha-BHC	4.03	4.03	4.03	4.02	4.02	4.03	3.93	4.13
alpha-Chlordane	6.06	6.05	6.05	6.05	6.05	6.05	5.95	6.15
beta-BHC	4.55	4.54	4.54	4.54	4.54	4.54	4.44	4.64
Decachlorobiphenyl	9.11	9.10	9.10	9.10	9.10	9.10	9.00	9.20
delta-BHC	4.80	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Dieldrin	6.38	6.38	6.38	6.37	6.37	6.38	6.28	6.48
Endosulfan I	6.11	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Endosulfan II	6.82	6.82	6.82	6.81	6.81	6.82	6.72	6.92
Endosulfan sulfate	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Endrin	6.61	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Endrin aldehyde	6.95	6.94	6.94	6.94	6.94	6.94	6.84	7.04
Endrin ketone	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
gamma-BHC (Lindane)	4.36	4.36	4.36	4.36	4.36	4.36	4.26	4.46
gamma-Chlordane	5.98	5.97	5.97	5.97	5.97	5.97	5.87	6.07
Heptachlor	4.96	4.95	4.96	4.95	4.95	4.96	4.86	5.06
Heptachlor epoxide	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Methoxychlor	7.53	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Tetrachloro-m-xylene	3.58	3.57	3.57	3.57	3.57	3.57	3.47	3.67

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID: RT 100 = PL095735.D RT 075 = PL095736.D

RT 050 = PL095737.D RT 025 = PL095738.D RT 005 = PL095739.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
alpha-BHC	3.39	3.40	3.40	3.40	3.40	3.40	3.30	3.50
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.02	4.03	4.03	4.03	4.02	4.03	3.93	4.13
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.48	6.48	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.89	2.89	2.89	2.89	2.89	2.79	2.99

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID: **CF 100 =** PL095735.D **CF 075 =** PL095736.D

CF 050 = PL095737.D **CF 025 =** PL095738.D **CF 005 =** PL095739.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3029170000	2897950000	2890660000	2805810000	3029440000	2930610000	3
4,4'-DDE	3753620000	3658270000	3631690000	3489800000	3806130000	3667900000	3
4,4'-DDT	2712830000	2654360000	2650610000	2590070000	2917840000	2705140000	5
Aldrin	4347110000	4211420000	4211170000	4079190000	4539770000	4277730000	4
alpha-BHC	5055140000	4887150000	4799900000	4583430000	4914010000	4847930000	4
alpha-Chlordane	3936090000	3857140000	3869930000	3816090000	4261610000	3948170000	5
beta-BHC	1911140000	1892640000	1930210000	1931530000	2191310000	1971370000	6
Decachlorobiphenyl	2296450000	2273040000	2304350000	2354860000	2552990000	2356340000	5
delta-BHC	4510360000	4418490000	4383980000	4233750000	4621480000	4433610000	3
Dieldrin	3903950000	3813000000	3813820000	3708570000	4056580000	3859180000	3
Endosulfan I	3625480000	3571730000	3593970000	3550090000	3982900000	3664830000	5
Endosulfan II	3313830000	3256160000	3325550000	3384990000	3949720000	3446050000	8
Endosulfan sulfate	2925470000	2895950000	2926550000	2906380000	3280250000	2986920000	6
Endrin	3186950000	3188700000	3185310000	3116310000	3456510000	3226750000	4
Endrin aldehyde	2356490000	2323760000	2365700000	2353750000	2688400000	2417620000	6
Endrin ketone	3179290000	3121440000	3135900000	3068650000	3329290000	3166910000	3
gamma-BHC (Lindane)	4588190000	4447360000	4400770000	4245410000	4677520000	4471850000	4
gamma-Chlordane	3946420000	3852300000	3845310000	3754890000	4061530000	3892090000	3
Heptachlor	3804040000	3718580000	3721520000	3622900000	4058170000	3785040000	4
Heptachlor epoxide	3727710000	3692000000	3731080000	3682110000	4251420000	3816860000	6
Methoxychlor	1252650000	1237700000	1261470000	1251380000	1373430000	1275330000	4
Tetrachloro-m-xylene	3099670000	3048860000	3065820000	3062420000	3499570000	3155270000	6

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_L **Calibration Date(s):** 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID: **CF 100 =** PL095735.D **CF 075 =** PL095736.D

CF 050 = PL095737.D **CF 025 =** PL095738.D **CF 005 =** PL095739.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4445580000	4366880000	4404380000	4229840000	4477970000	4384930000	2
4,4'-DDE	5328200000	5286620000	5342960000	5185270000	5667730000	5362160000	3
4,4'-DDT	4834370000	4768870000	4805750000	4636730000	4867260000	4782600000	2
Aldrin	5413270000	5337420000	5359250000	5094120000	5331460000	5307100000	2
alpha-BHC	6120380000	5984780000	5956690000	5567970000	5656920000	5857350000	4
alpha-Chlordane	5212180000	5117720000	5169640000	5059150000	5455120000	5202760000	3
beta-BHC	2433740000	2431120000	2471290000	2436550000	2615060000	2477550000	3
Decachlorobiphenyl	4307130000	4293010000	4424120000	4407270000	4440750000	4374460000	2
delta-BHC	5855570000	5710500000	5700250000	5411210000	5559290000	5647370000	3
Dieldrin	5312990000	5256750000	5296490000	5103800000	5530570000	5300120000	3
Endosulfan I	4730980000	4708290000	4767730000	4668460000	4949420000	4764970000	2
Endosulfan II	4687260000	4644550000	4721900000	4610060000	5095140000	4751780000	4
Endosulfan sulfate	4396050000	4376160000	4475180000	4410280000	4816080000	4494750000	4
Endrin	4781360000	4775420000	4841120000	4733510000	5249090000	4876100000	4
Endrin aldehyde	3353000000	3342650000	3418100000	3365440000	3792270000	3454290000	6
Endrin ketone	5025560000	5055710000	5163390000	5096070000	5528620000	5173870000	4
gamma-BHC (Lindane)	5738840000	5640150000	5652210000	5354130000	5620800000	5601220000	3
gamma-Chlordane	5300820000	5202550000	5232880000	5068800000	5458400000	5252690000	3
Heptachlor	5660130000	5568750000	5611780000	5421260000	5783370000	5609060000	2
Heptachlor epoxide	4854250000	4848530000	4943810000	4810760000	5229780000	4937430000	3
Methoxychlor	2503630000	2513740000	2592490000	2627630000	2843040000	2616110000	5
Tetrachloro-m-xylene	3908270000	3796990000	3846980000	3798040000	4219390000	3913940000	5

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_L **Date(s) Analyzed:** 05/21/2025 05/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.88	5.78	5.98	11156600
		2	6.27	6.17	6.37	26557800
		3	7.09	6.99	7.19	93865100
		4	7.18	7.08	7.28	65544600
		5	7.96	7.86	8.06	45659000

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Instrument ID: ECD_L **Date(s) Analyzed:** 05/21/2025 05/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.15	5.05	5.25	30765000
		2	5.83	5.73	5.93	34678400
		3	6.11	6.01	6.21	36071200
		4	6.75	6.65	6.85	117492000
		5	7.19	7.09	7.29	80236600

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:35
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.577	2.883	310.0E6	390.8E6	101.104	101.593
28)	SA	Decachlor...	9.109	8.064	229.6E6	430.7E6	99.657	97.356
		Target Compounds						
2)	A	alpha-BHC	4.029	3.394	505.5E6	612.0E6	105.318	102.748
3)	MA	gamma-BHC...	4.361	3.728	458.8E6	573.9E6	104.259	101.533
4)	MA	Heptachlor	4.959	4.081	380.4E6	566.0E6	102.217	100.862
5)	MB	Aldrin	5.302	4.366	434.7E6	541.3E6	103.228	101.008
6)	B	beta-BHC	4.549	4.024	191.1E6	243.4E6	99.012	98.480
7)	B	delta-BHC	4.797	4.259	451.0E6	585.6E6	102.883	102.725
8)	B	Heptachlo...	5.722	4.869	372.8E6	485.4E6	99.910	98.188
9)	A	Endosulfan I	6.106	5.242	362.5E6	473.1E6	100.877	99.229
10)	B	gamma-Chl...	5.977	5.122	394.6E6	530.1E6	102.630	101.298
11)	B	alpha-Chl...	6.059	5.186	393.6E6	521.2E6	101.710	100.823
12)	B	4,4'-DDE	6.229	5.373	375.4E6	532.8E6	103.357	99.724
13)	MA	Dieldrin	6.379	5.507	390.4E6	531.3E6	102.363	100.311
14)	MA	Endrin	6.607	5.782	318.7E6	478.1E6	100.051	98.766
15)	B	Endosulfa...	6.820	6.073	331.4E6	468.7E6	99.648	99.267
16)	A	4,4'-DDD	6.739	5.926	302.9E6	444.6E6	104.792	100.935
17)	MA	4,4'-DDT	7.054	6.179	271.3E6	483.4E6	102.347	100.596
18)	B	Endrin al...	6.949	6.251	235.6E6	335.3E6	99.611	98.095
19)	B	Endosulfa...	7.183	6.474	292.5E6	439.6E6	99.963	98.232
20)	A	Methoxychlor	7.528	6.750	125.3E6	250.4E6	99.301	96.572
21)	B	Endrin ke...	7.664	6.979	317.9E6	502.6E6	101.384	97.331
22)		Mirex	8.145	7.173	223.9E6	385.9E6	98.516	96.713

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

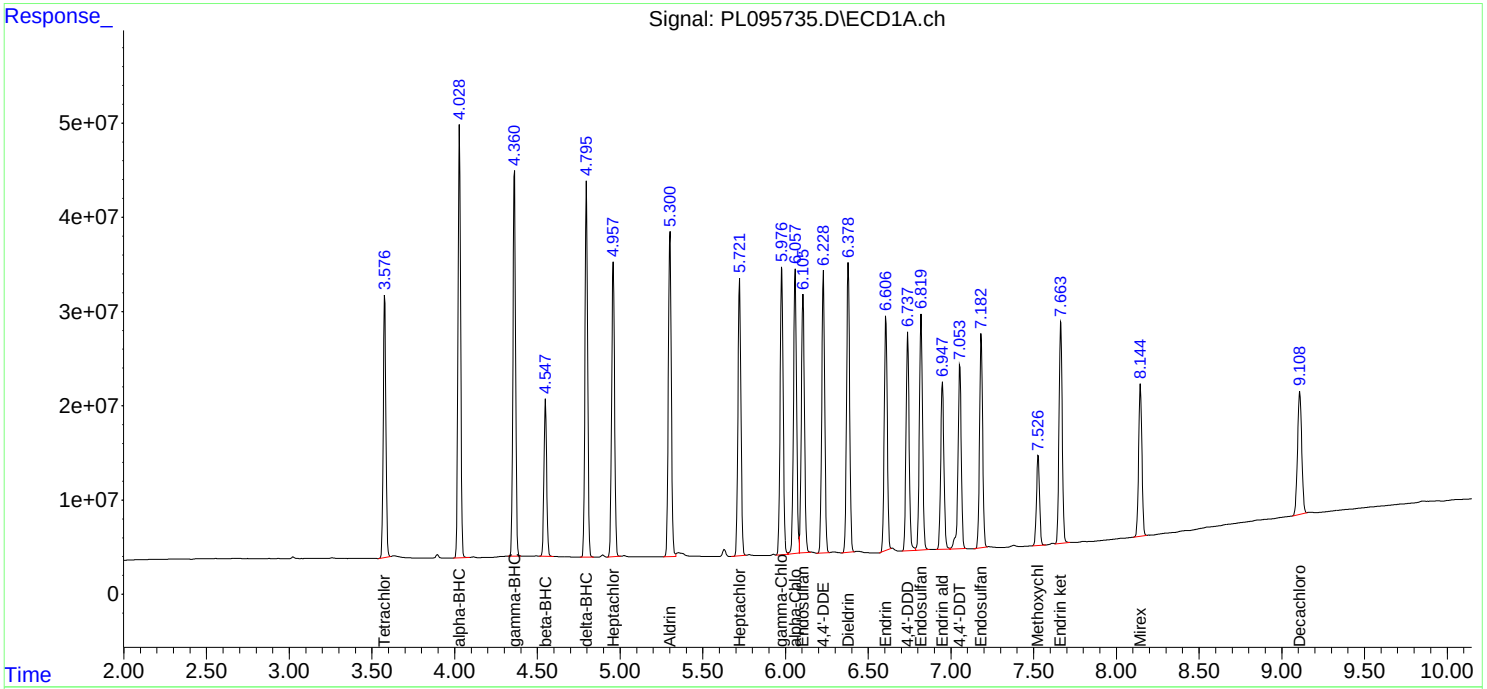
ICAL Form

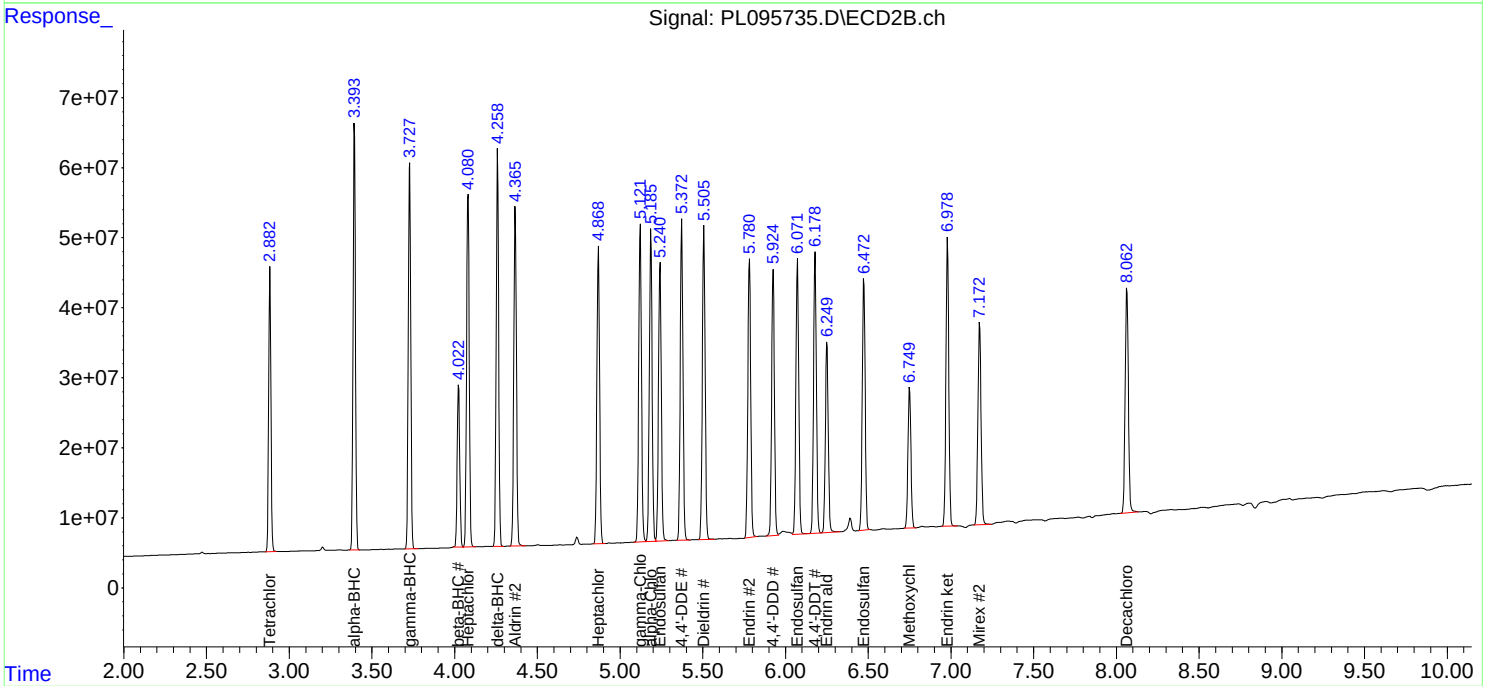
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:35
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095736.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:48
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.573	2.886	228.7E6	284.8E6	74.585	74.025
28)	SA	Decachlor...	9.103	8.063	170.5E6	322.0E6	73.981	72.777
		Target Compounds						
2)	A	alpha-BHC	4.025	3.396	366.5E6	448.9E6	76.363	75.354
3)	MA	gamma-BHC...	4.356	3.730	333.6E6	423.0E6	75.794	74.840
4)	MA	Heptachlor	4.954	4.083	278.9E6	417.7E6	74.941	74.425
5)	MB	Aldrin	5.297	4.368	315.9E6	400.3E6	75.004	74.694
6)	B	beta-BHC	4.544	4.026	141.9E6	182.3E6	73.540	73.781
7)	B	delta-BHC	4.792	4.261	331.4E6	428.3E6	75.590	75.135
8)	B	Heptachlo...	5.718	4.870	276.9E6	363.6E6	74.214	73.555
9)	A	Endosulfan I	6.102	5.242	267.9E6	353.1E6	74.536	74.065
10)	B	gamma-Chl...	5.973	5.123	288.9E6	390.2E6	75.136	74.565
11)	B	alpha-Chl...	6.054	5.187	289.3E6	383.8E6	74.752	74.247
12)	B	4,4'-DDE	6.224	5.374	274.4E6	396.5E6	75.549	74.209
13)	MA	Dieldrin	6.375	5.507	286.0E6	394.3E6	74.984	74.437
14)	MA	Endrin	6.603	5.782	239.2E6	358.2E6	75.080	73.982
15)	B	Endosulfa...	6.815	6.073	244.2E6	348.3E6	73.435	73.771
16)	A	4,4'-DDD	6.735	5.926	217.3E6	327.5E6	75.189	74.362
17)	MA	4,4'-DDT	7.050	6.179	199.1E6	357.7E6	75.106	74.424
18)	B	Endrin al...	6.944	6.251	174.3E6	250.7E6	73.671	73.344
19)	B	Endosulfa...	7.178	6.474	217.2E6	328.2E6	74.216	73.341
20)	A	Methoxychlor	7.523	6.750	92827353	188.5E6	73.587	72.722
21)	B	Endrin ke...	7.660	6.979	234.1E6	379.2E6	74.654	73.436
22)		Mirex	8.142	7.173	168.2E6	284.9E6	74.011	71.417

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

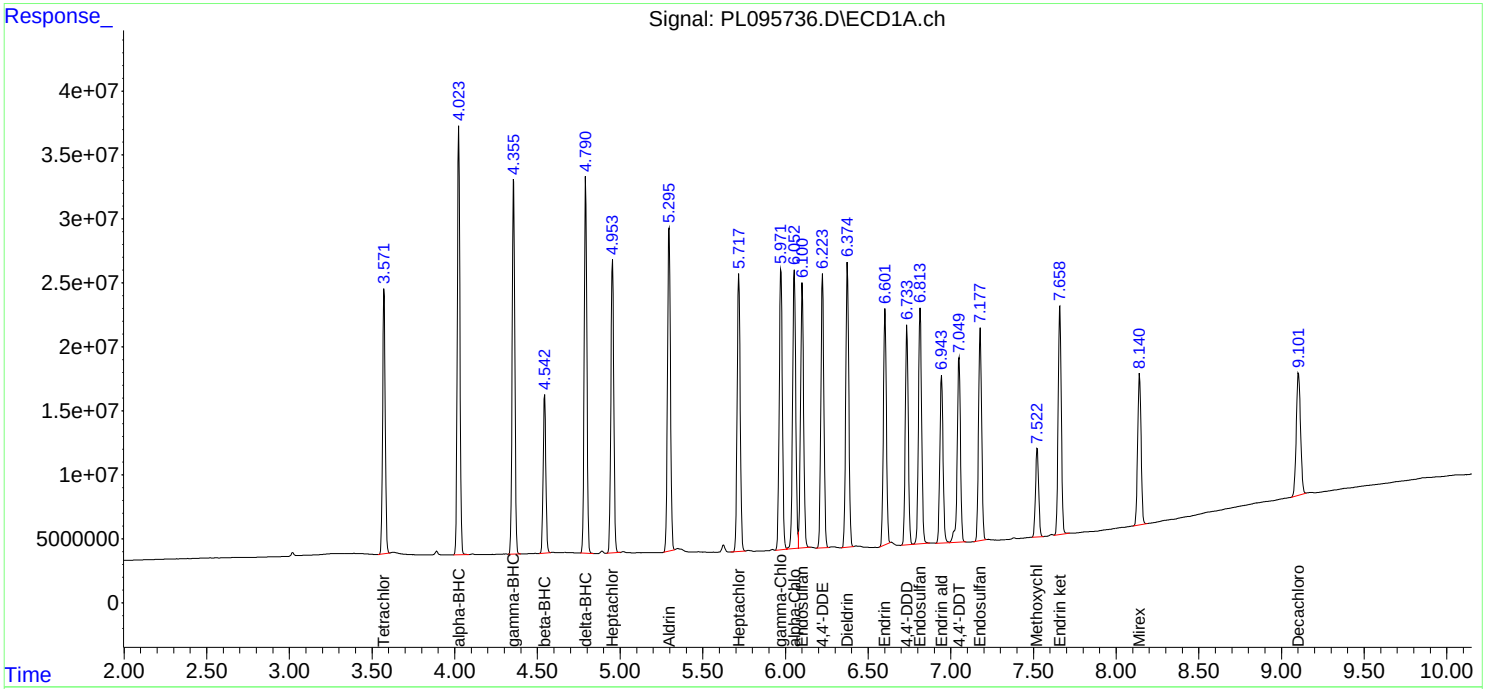
ICAL Form

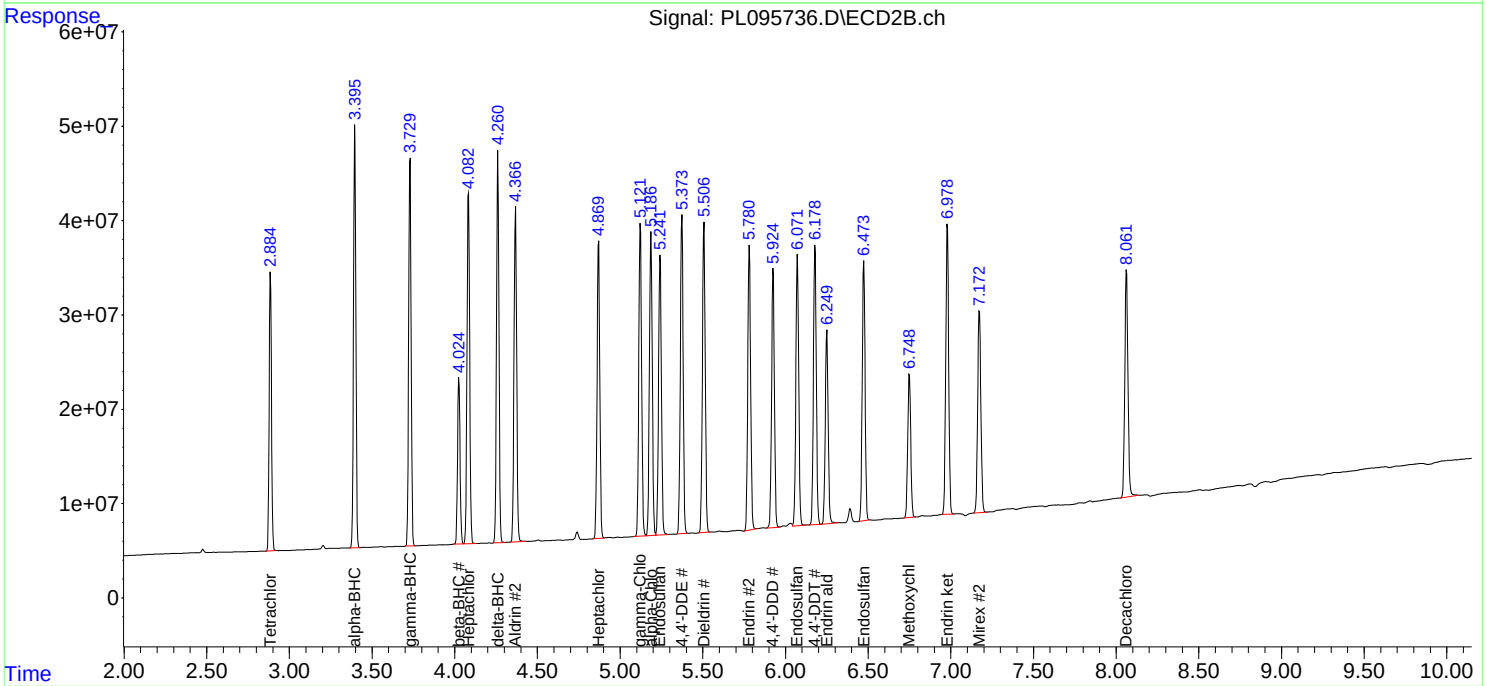
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095736.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:48
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.573	2.886	153.3E6	192.3E6	50.000	50.000
28)	SA	Decachlor...	9.103	8.064	115.2E6	221.2E6	50.000	50.000
		Target Compounds						
2)	A	alpha-BHC	4.025	3.396	240.0E6	297.8E6	50.000	50.000
3)	MA	gamma-BHC...	4.357	3.730	220.0E6	282.6E6	50.000	50.000
4)	MA	Heptachlor	4.955	4.083	186.1E6	280.6E6	50.000	50.000
5)	MB	Aldrin	5.297	4.368	210.6E6	268.0E6	50.000	50.000
6)	B	beta-BHC	4.544	4.026	96510671	123.6E6	50.000	50.000
7)	B	delta-BHC	4.792	4.261	219.2E6	285.0E6	50.000	50.000
8)	B	Heptachlo...	5.718	4.871	186.6E6	247.2E6	50.000	50.000
9)	A	Endosulfan I	6.102	5.243	179.7E6	238.4E6	50.000	50.000
10)	B	gamma-Chl...	5.973	5.123	192.3E6	261.6E6	50.000	50.000
11)	B	alpha-Chl...	6.054	5.187	193.5E6	258.5E6	50.000	50.000
12)	B	4,4'-DDE	6.224	5.374	181.6E6	267.1E6	50.000	50.000
13)	MA	Dieldrin	6.375	5.508	190.7E6	264.8E6	50.000	50.000
14)	MA	Endrin	6.602	5.783	159.3E6	242.1E6	50.000	50.000
15)	B	Endosulfa...	6.815	6.073	166.3E6	236.1E6	50.000	50.000
16)	A	4,4'-DDD	6.734	5.926	144.5E6	220.2E6	50.000	50.000
17)	MA	4,4'-DDT	7.050	6.180	132.5E6	240.3E6	50.000	50.000
18)	B	Endrin al...	6.944	6.251	118.3E6	170.9E6	50.000	50.000
19)	B	Endosulfa...	7.178	6.475	146.3E6	223.8E6	50.000	50.000
20)	A	Methoxychlor	7.523	6.751	63073290	129.6E6	50.000	50.000
21)	B	Endrin ke...	7.660	6.980	156.8E6	258.2E6	50.000	50.000
22)		Mirex	8.142	7.174	113.6E6	199.5E6	50.000	50.000

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

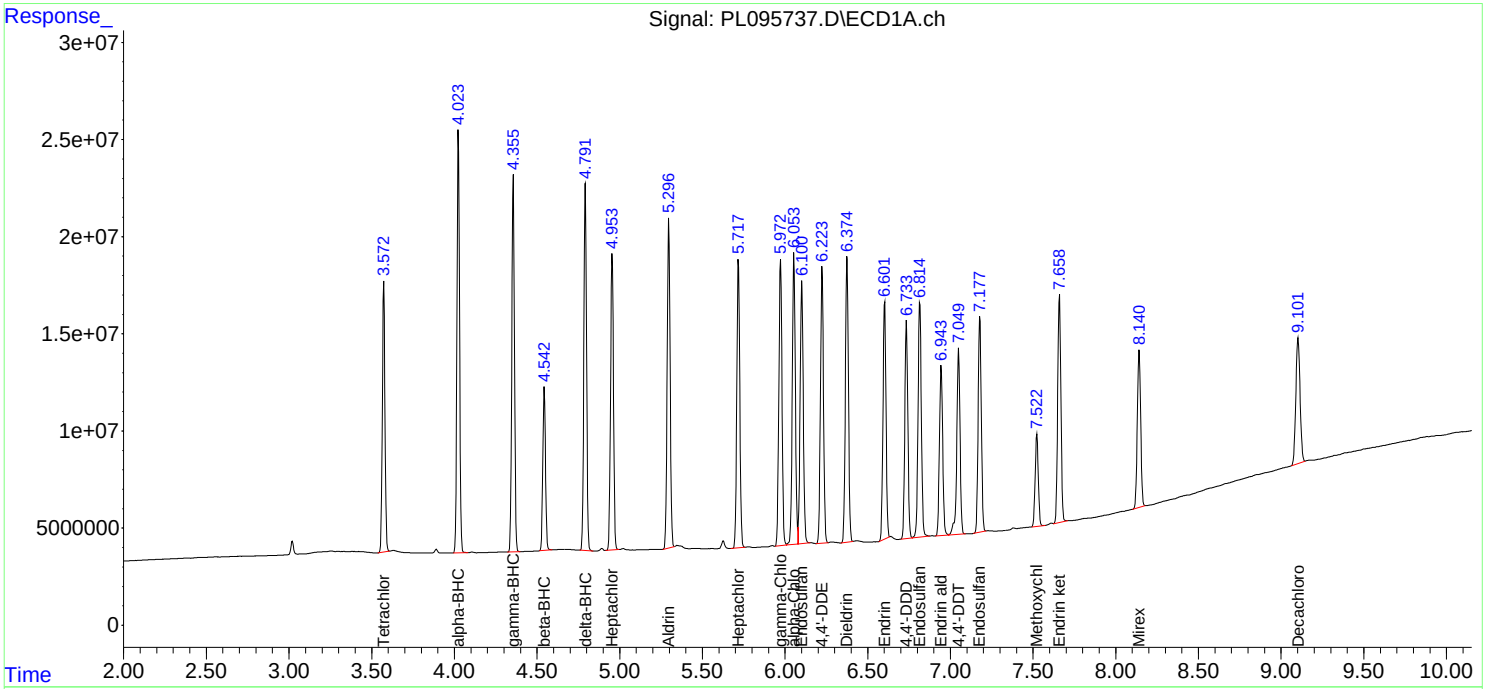
ICAL Form

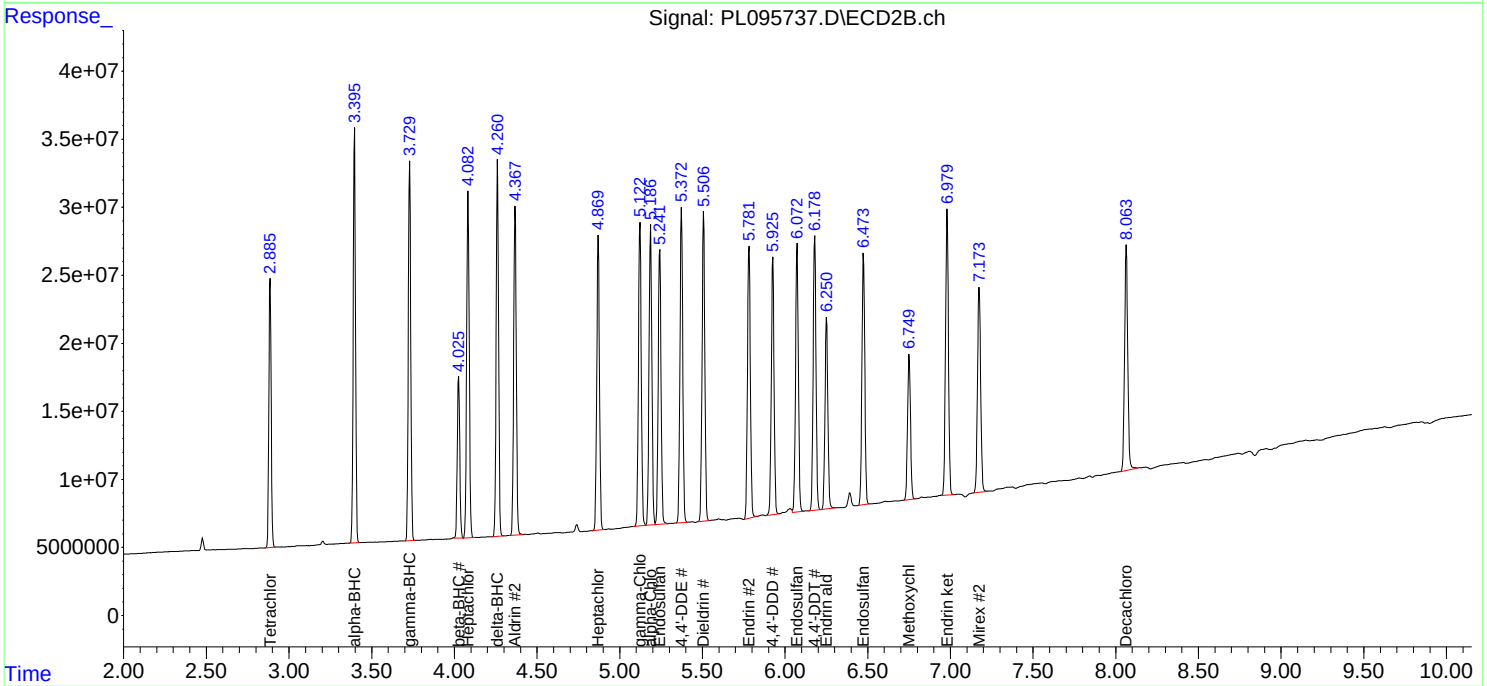
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:15
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:18:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.886	76560586	94950949	24.972	24.682
28)	SA Decachlor...	9.102	8.063	58871383	110.2E6	25.548	24.905
	Target Compounds						
2)	A alpha-BHC	4.024	3.396	114.6E6	139.2E6	23.873	23.369
3)	MA gamma-BHC...	4.356	3.730	106.1E6	133.9E6	24.117	23.682
4)	MA Heptachlor	4.954	4.083	90572384	135.5E6	24.337	24.151
5)	MB Aldrin	5.297	4.368	102.0E6	127.4E6	24.216	23.763
6)	B beta-BHC	4.543	4.026	48288222	60913646	25.017	24.648
7)	B delta-BHC	4.791	4.261	105.8E6	135.3E6	24.143	23.732
8)	B Heptachlo...	5.718	4.871	92052683	120.3E6	24.672	24.327
9)	A Endosulfan I	6.101	5.243	88752148	116.7E6	24.695	24.479
10)	B gamma-Chl...	5.973	5.123	93872153	126.7E6	24.412	24.216
11)	B alpha-Chl...	6.053	5.187	95402335	126.5E6	24.652	24.466
12)	B 4,4'-DDE	6.224	5.374	87244934	129.6E6	24.023	24.262
13)	MA Dieldrin	6.374	5.508	92714141	127.6E6	24.310	24.090
14)	MA Endrin	6.602	5.783	77907657	118.3E6	24.458	24.444
15)	B Endosulfa...	6.814	6.073	84624751	115.3E6	25.447	24.408
16)	A 4,4'-DDD	6.733	5.926	70145317	105.7E6	24.266	24.009
17)	MA 4,4'-DDT	7.049	6.180	64751863	115.9E6	24.429	24.121
18)	B Endrin al...	6.943	6.251	58843793	84135949	24.874	24.615
19)	B Endosulfa...	7.177	6.475	72659491	110.3E6	24.828	24.637
20)	A Methoxychlor	7.521	6.750	31284485	65690870	24.800	25.339
21)	B Endrin ke...	7.658	6.980	76716187	127.4E6	24.464m	24.674
22)	Mirex	8.140	7.174	57020908	100.8E6	25.094	25.271

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:15
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

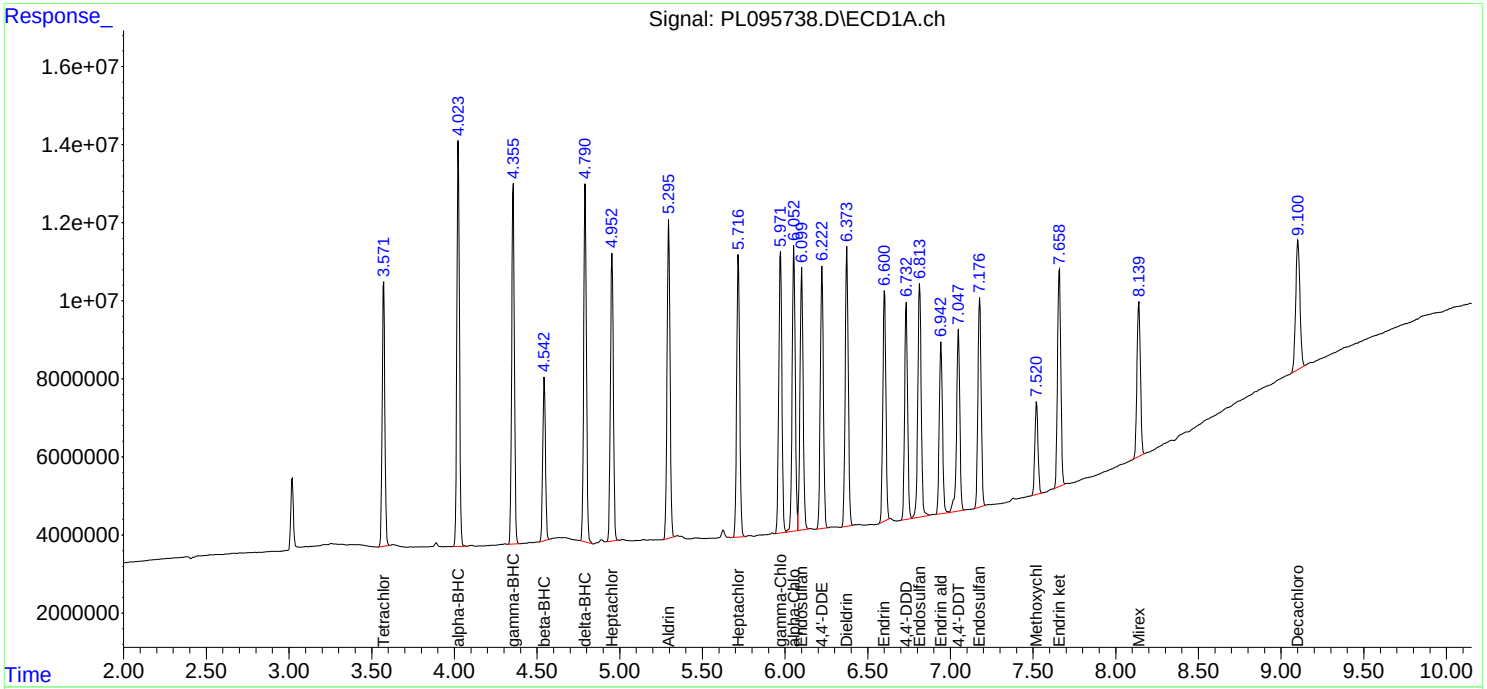
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

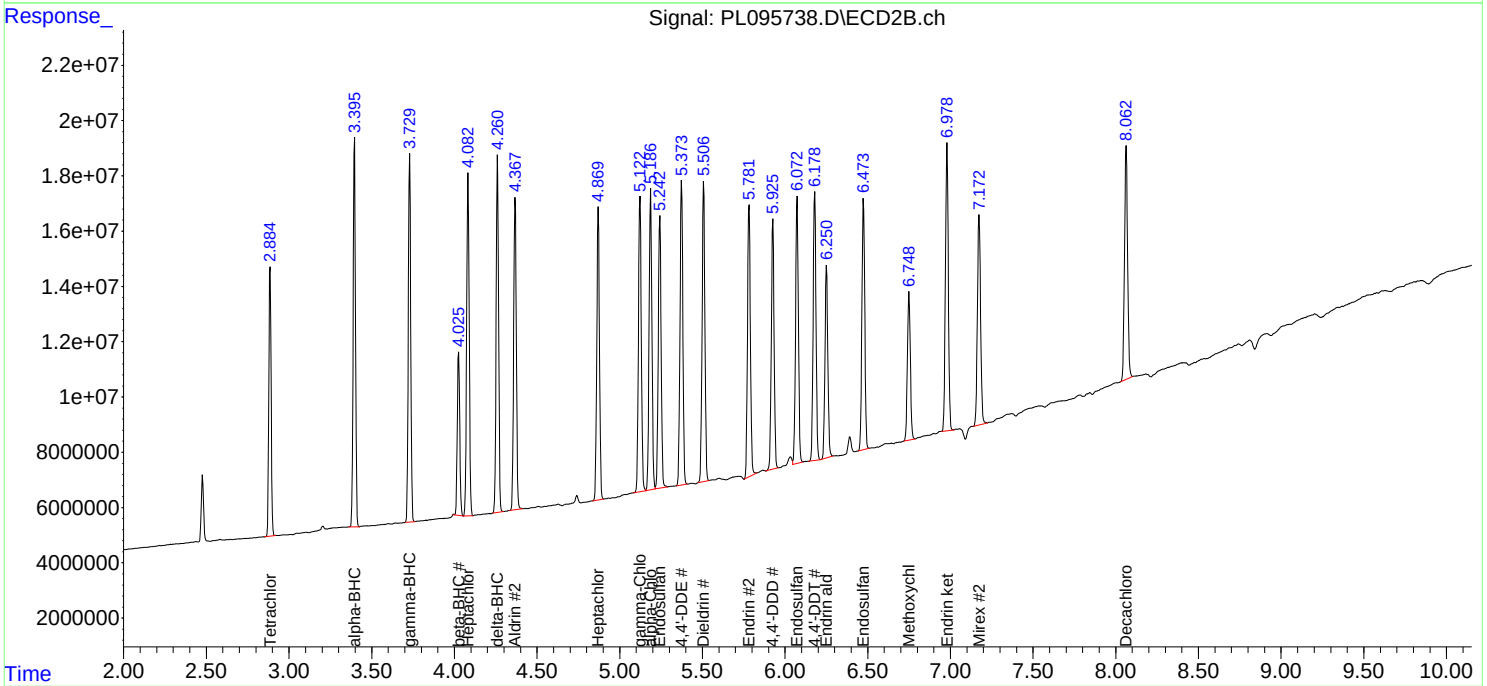
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:18:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:29
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:18:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.886	17497825	21096940	5.707	5.484
28)	SA Decachlor...	9.103	8.063	12764965	22203751	5.540	5.019
	Target Compounds						
2)	A alpha-BHC	4.024	3.396	24570031	28284612	5.119	4.748
3)	MA gamma-BHC...	4.356	3.730	23387598	28103979	5.314	4.972
4)	MA Heptachlor	4.954	4.083	20290863	28916844	5.452	5.153
5)	MB Aldrin	5.297	4.367	22698872	26657290	5.390	4.974
6)	B beta-BHC	4.543	4.024	10956530	13075300	5.676	5.291m
7)	B delta-BHC	4.791	4.260	23107421	27796466	5.271	4.876
8)	B Heptachlo...	5.718	4.870	21257105	26148919	5.697	5.289
9)	A Endosulfan I	6.101	5.242	19914506	24747084	5.541	5.191
10)	B gamma-Chl...	5.972	5.122	20307663	27292023	5.281	5.215
11)	B alpha-Chl...	6.054	5.187	21308053	27275610	5.506	5.276
12)	B 4,4'-DDE	6.224	5.373	19030626	28338631	5.240	5.304
13)	MA Dieldrin	6.374	5.507	20282884	27652826	5.318	5.221
14)	MA Endrin	6.601	5.782	17282532	26245470	5.426	5.421
15)	B Endosulfa...	6.813	6.072	19748605	25475691	5.938m	5.395
16)	A 4,4'-DDD	6.734	5.926	15147186	22389854	5.240	5.084
17)	MA 4,4'-DDT	7.049	6.178	14589187	24336314	5.504	5.064
18)	B Endrin al...	6.944	6.251	13442001	18961374	5.682	5.547
19)	B Endosulfa...	7.178	6.474	16401273	24080379	5.604	5.381
20)	A Methoxychlor	7.522	6.750	6867163	14215195	5.444	5.483
21)	B Endrin ke...	7.657	6.979	16646440	27643113	5.308m	5.354
22)	Mirex	8.140	7.173	12674224	23112456	5.578	5.793

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:29
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

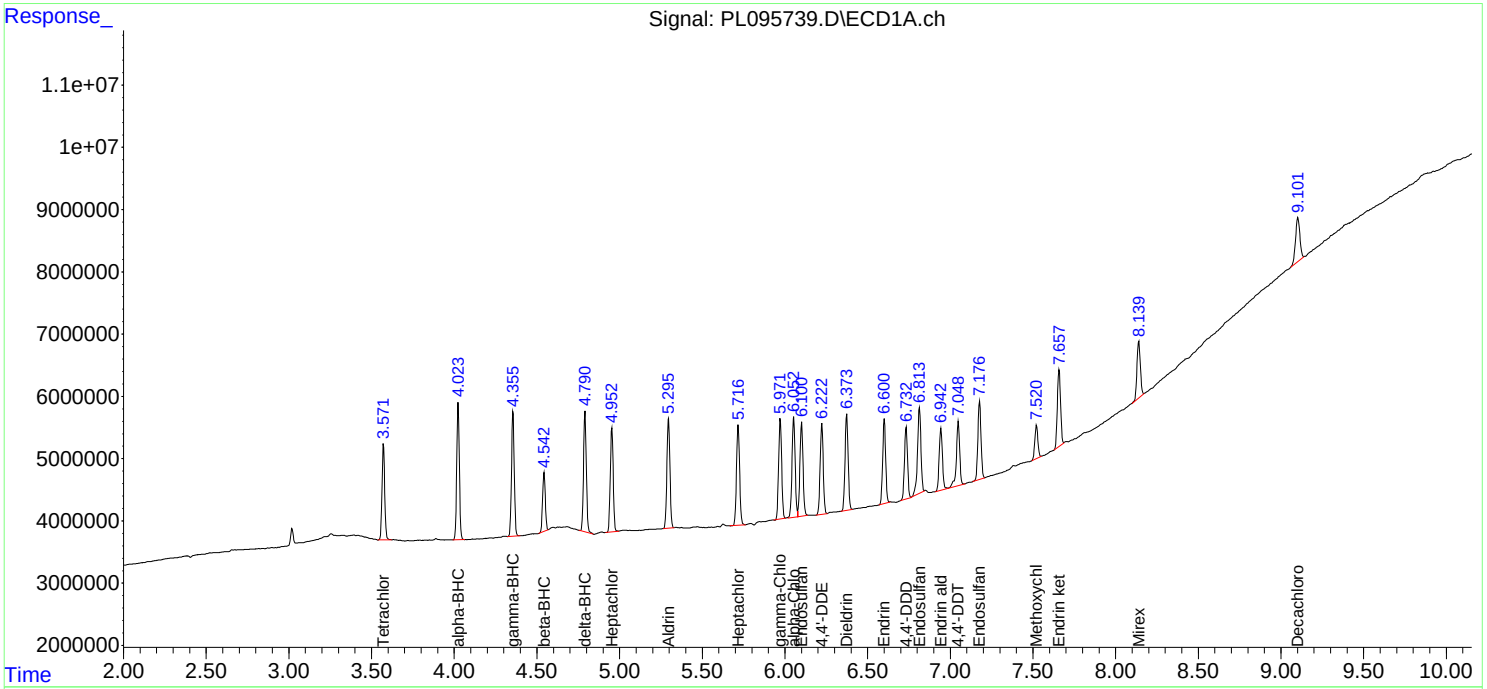
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

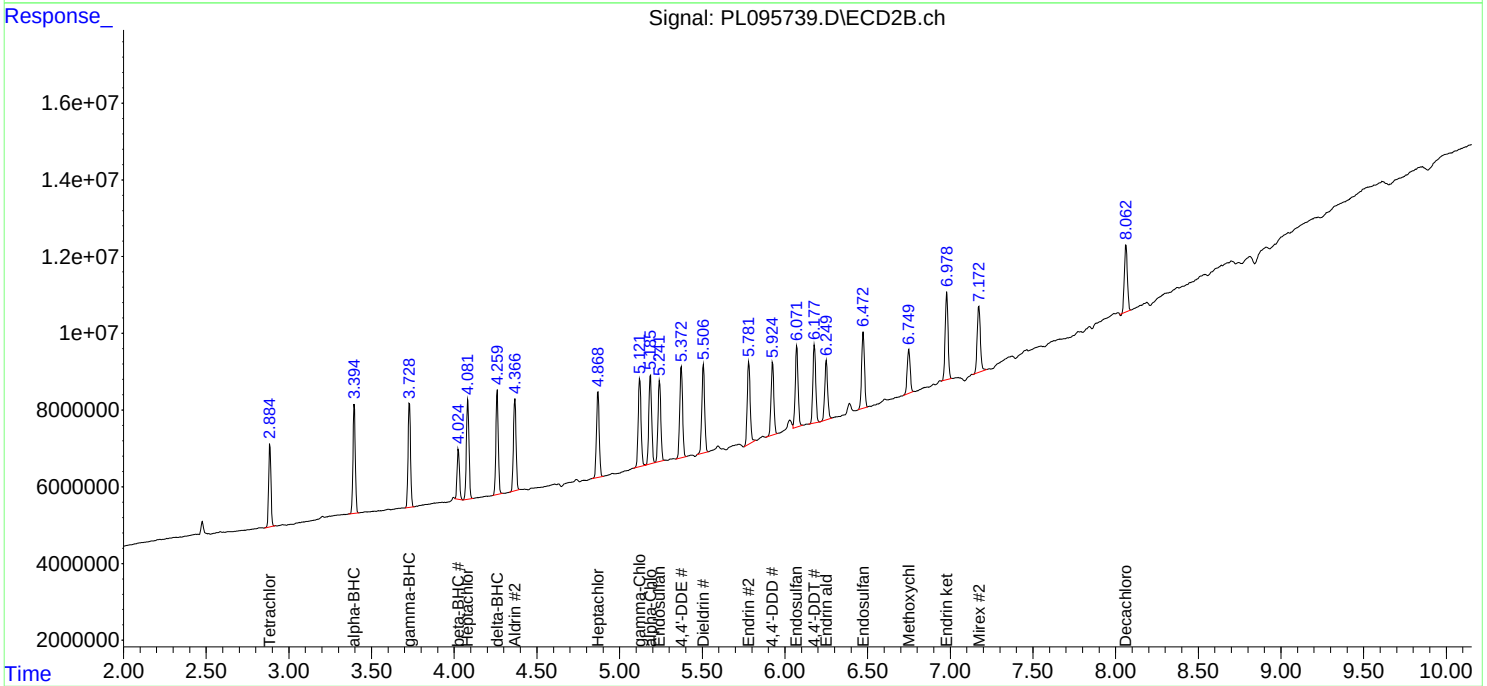
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:18:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 13:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:52:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.573	2.885	151.3E6	249.3E6	50.000	50.000
28) SA	Decachlor...	9.104	8.063	112.9E6	221.5E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.739	3.906	87581330	95105811	500.000	500.000
24)	Chlordane-2	5.267	4.487	93352484	108.4E6	500.000	500.000
25)	Chlordane-3	5.973	5.123	364.7E6	326.3E6	500.000	500.000
26)	Chlordane-4	6.058	5.187	443.9E6	282.5E6	500.000	500.000
27)	Chlordane-5	6.899	6.082	66738900	124.7E6	500.000	500.000

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

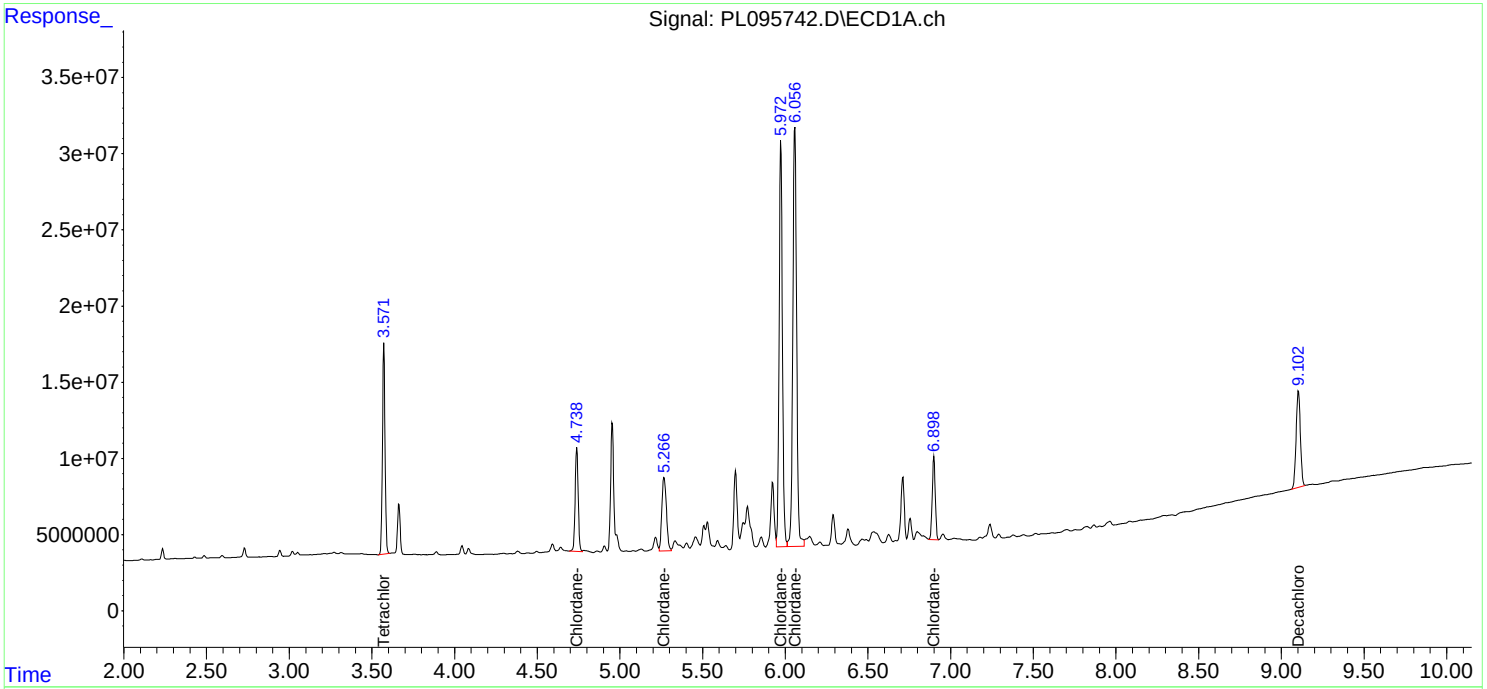
ICAL Form

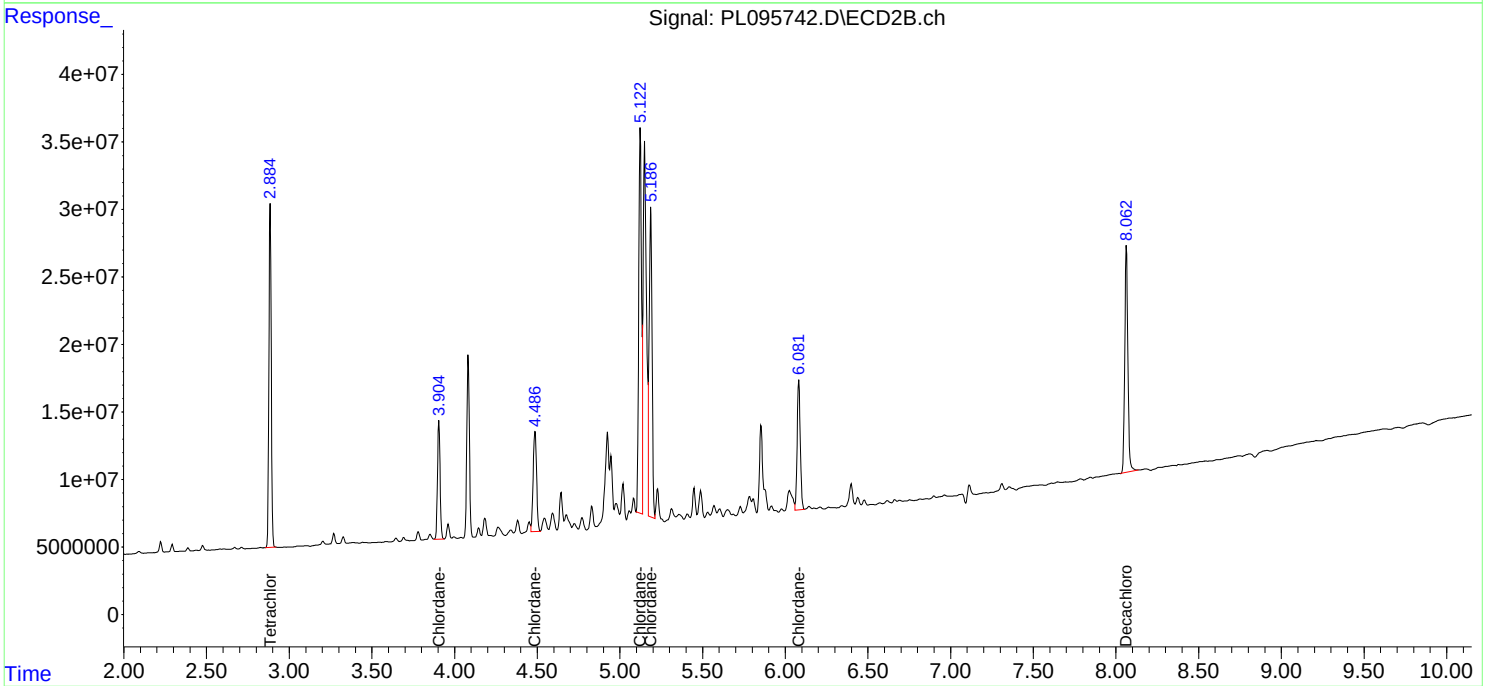
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 13:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:52:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:28:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:27:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.573	2.886	160.4E6	200.5E6	50.000	50.000
7) SA	Decachlor...	9.104	8.064	119.9E6	241.7E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	5.881	5.145	5578296	15382494	500.000	500.000
3)	Toxaphene-2	6.270	5.832	13278890	17339178	500.000	500.000
4)	Toxaphene-3	7.085	6.111	46932535	18035582	500.000	500.000
5)	Toxaphene-4	7.176	6.747	32772322	58746221	500.000	500.000
6)	Toxaphene-5	7.958	7.187	22829500	40118304	500.000	500.000

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

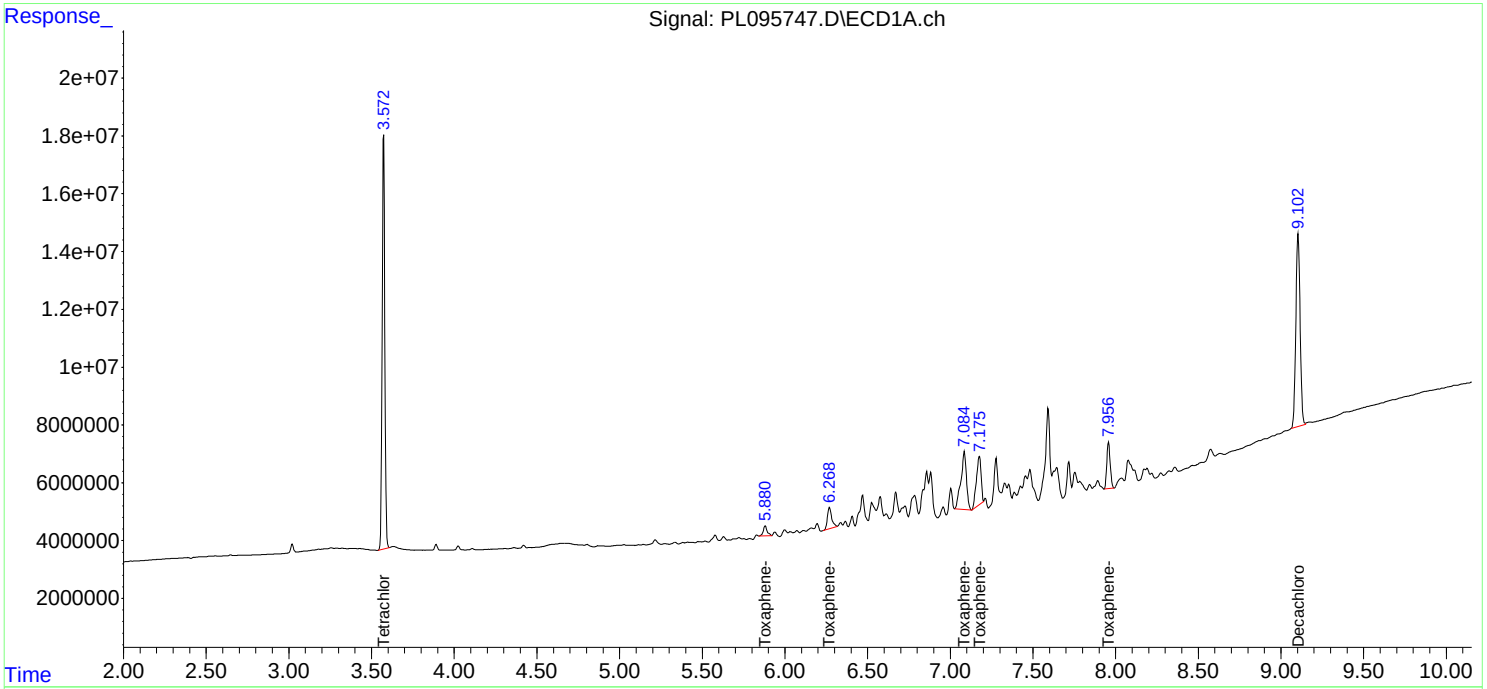
ICAL Form

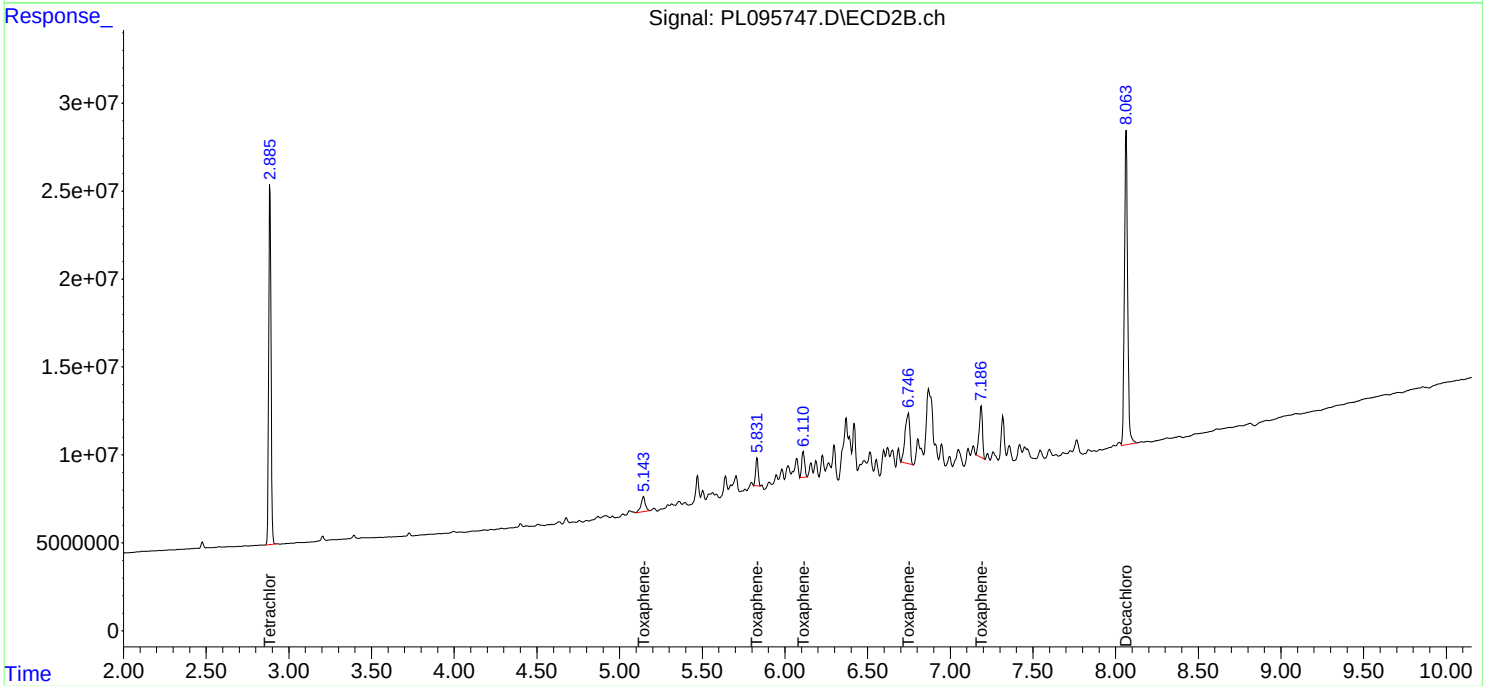
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:28:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:27:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095750.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:58
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.573	2.886	157.8E6	194.4E6	49.998	49.666
28)	SA	Decachlor...	9.104	8.064	117.3E6	229.7E6	49.773	52.517
		Target Compounds						
2)	A	alpha-BHC	4.025	3.396	246.5E6	298.2E6	50.846	50.918
3)	MA	gamma-BHC...	4.356	3.730	225.5E6	283.9E6	50.436	50.692
4)	MA	Heptachlor	4.954	4.084	190.9E6	280.4E6	50.441	49.990
5)	MB	Aldrin	5.297	4.368	215.7E6	267.1E6	50.429	50.333
6)	B	beta-BHC	4.544	4.026	98119427	124.2E6	49.772	50.128
7)	B	delta-BHC	4.792	4.262	223.3E6	285.8E6	50.363	50.613
8)	B	Heptachlo...	5.719	4.871	191.4E6	247.0E6	50.151	50.018
9)	A	Endosulfan I	6.102	5.243	183.6E6	238.9E6	50.100	50.143
10)	B	gamma-Chl...	5.973	5.123	197.6E6	262.0E6	50.773	49.889
11)	B	alpha-Chl...	6.055	5.188	198.1E6	258.8E6	50.179	49.745
12)	B	4,4'-DDE	6.225	5.375	184.6E6	266.3E6	50.319	49.663
13)	MA	Dieldrin	6.375	5.508	194.5E6	264.7E6	50.411	49.945
14)	MA	Endrin	6.602	5.783	161.3E6	242.4E6	49.992	49.715
15)	B	Endosulfa...	6.816	6.074	166.5E6	238.0E6	48.309	50.078
16)	A	4,4'-DDD	6.735	5.927	147.1E6	220.8E6	50.200	50.353
17)	MA	4,4'-DDT	7.050	6.180	133.9E6	240.9E6	49.505	50.363
18)	B	Endrin al...	6.945	6.252	121.6E6	173.9E6	50.281	50.352
19)	B	Endosulfa...	7.180	6.475	147.8E6	225.6E6	49.481	50.184
20)	A	Methoxychlor	7.523	6.751	63820349	130.4E6	50.042	49.860
21)	B	Endrin ke...	7.660	6.981	160.1E6	263.5E6	50.540	50.930
22)		Mirex	8.142	7.175	115.1E6	202.3E6	49.744	49.832

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

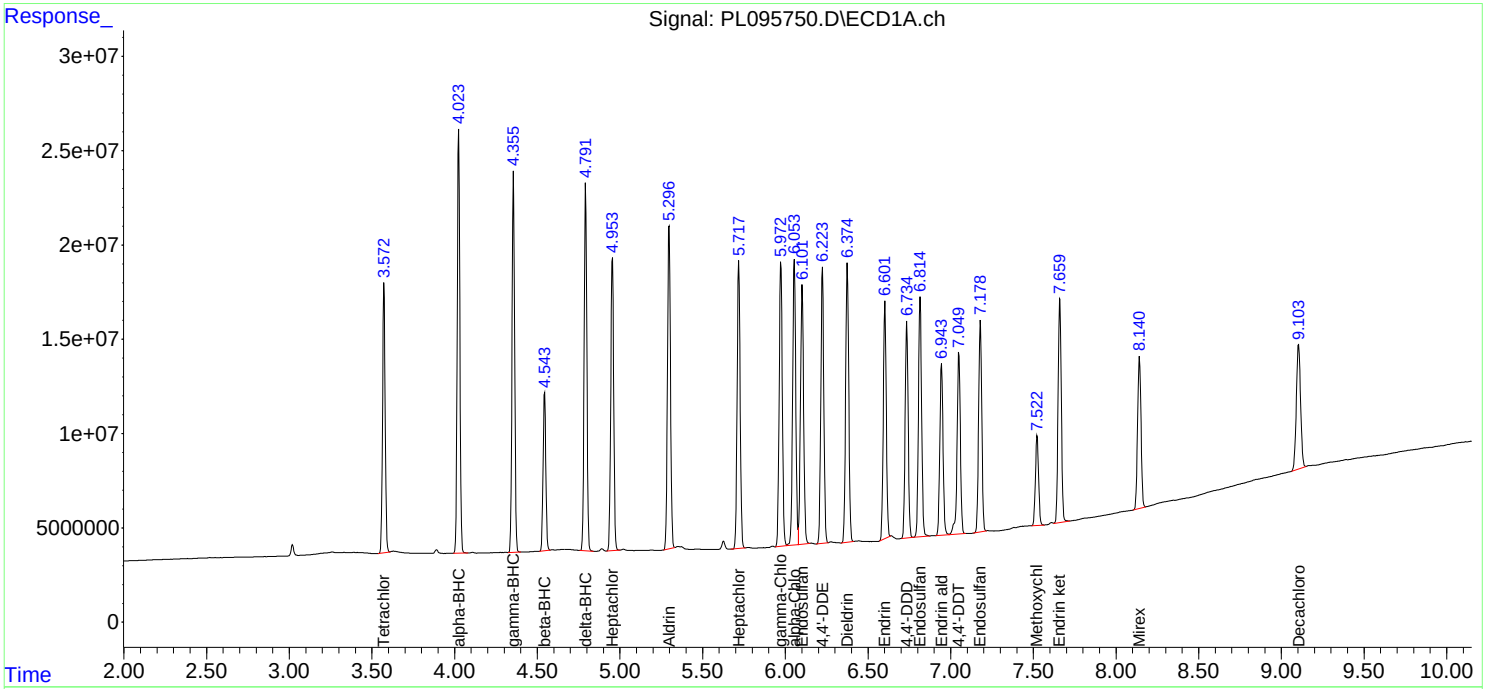
ICAL Form

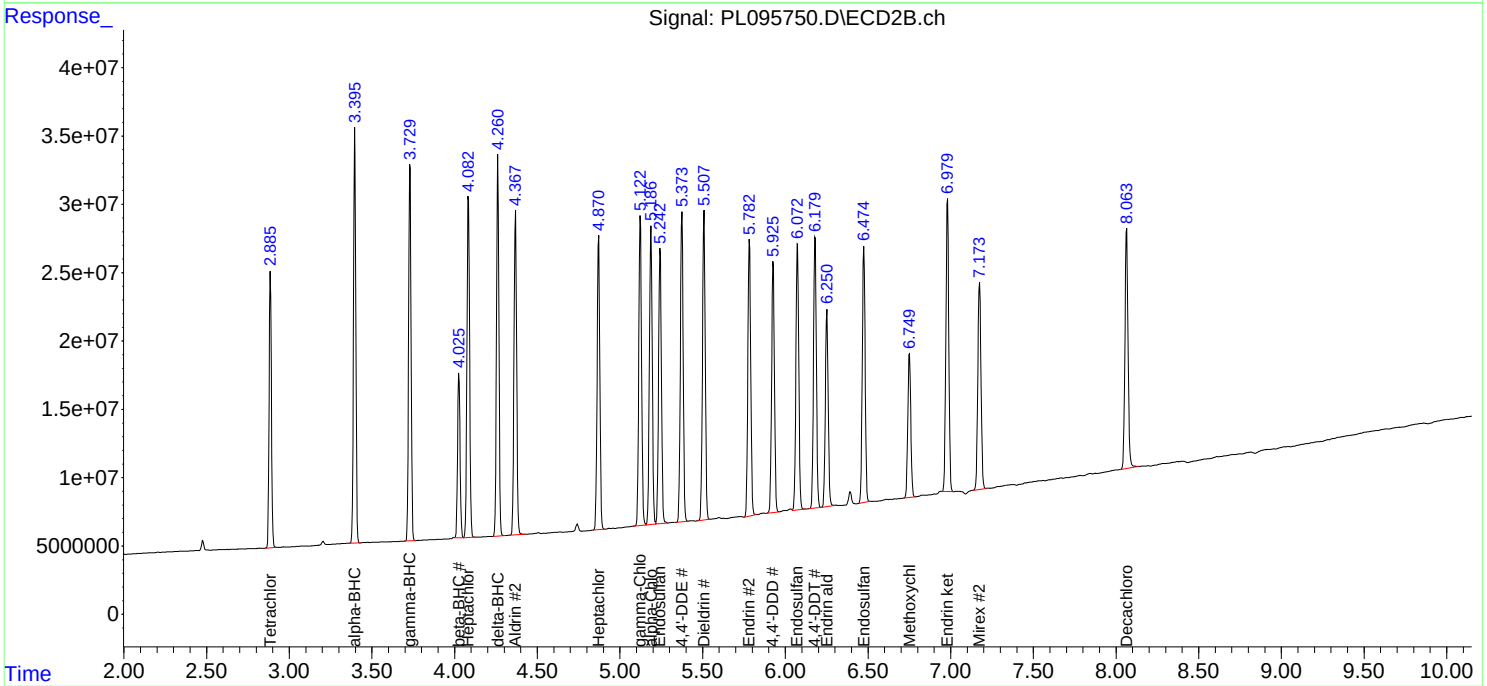
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095750.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:58
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095751.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 15:12
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:59:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:59:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.885	156.9E6	252.7E6	50.100	49.840
28)	SA Decachlor...	9.104	8.064	115.9E6	229.0E6	50.010	51.351
	Target Compounds						
23)	Chlordane-1	4.740	3.906	88597152	96171041	497.300	493.232
24)	Chlordane-2	5.268	4.488	96121246	109.3E6	500.182	490.592
25)	Chlordane-3	5.974	5.124	377.3E6	331.4E6	510.592	502.970
26)	Chlordane-4	6.059	5.187	457.2E6	287.0E6	508.677	502.673
27)	Chlordane-5	6.900	6.082	69143587	126.8E6	504.904	497.202

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

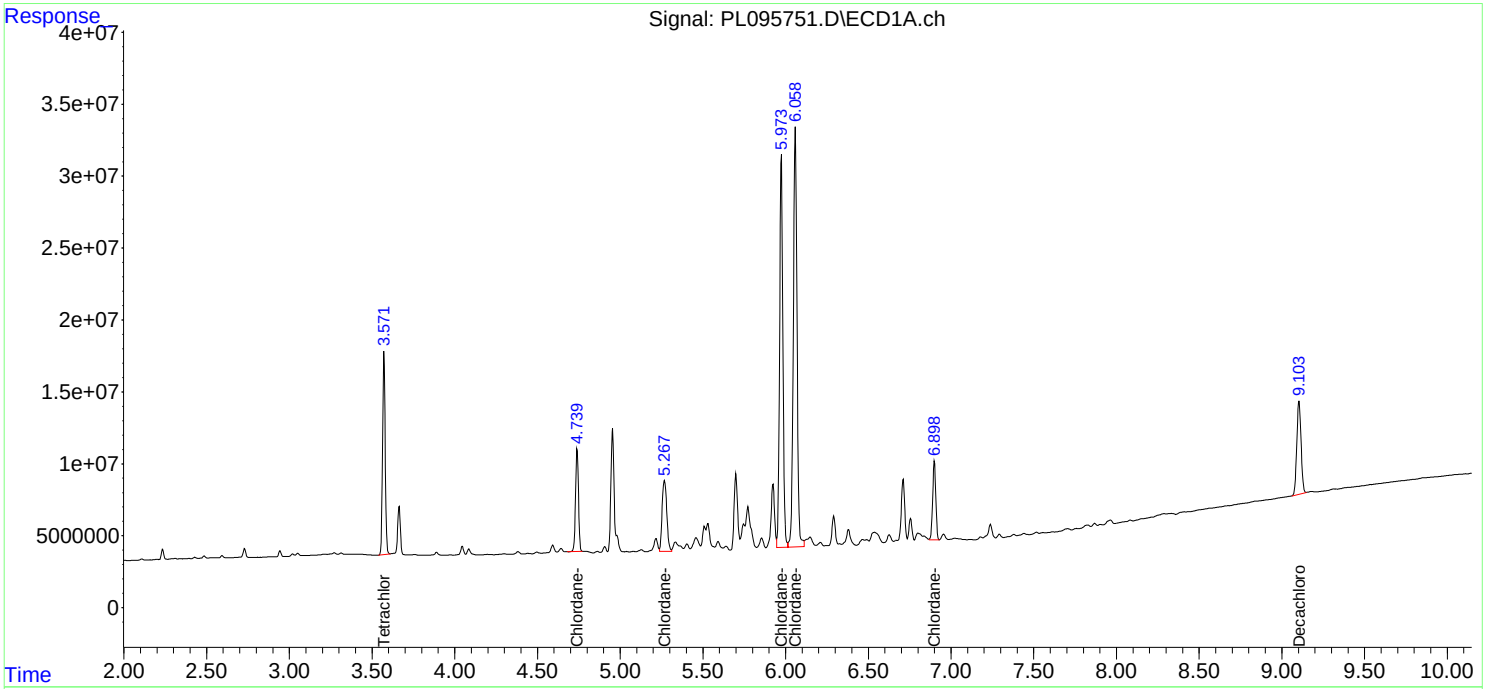
ICAL Form

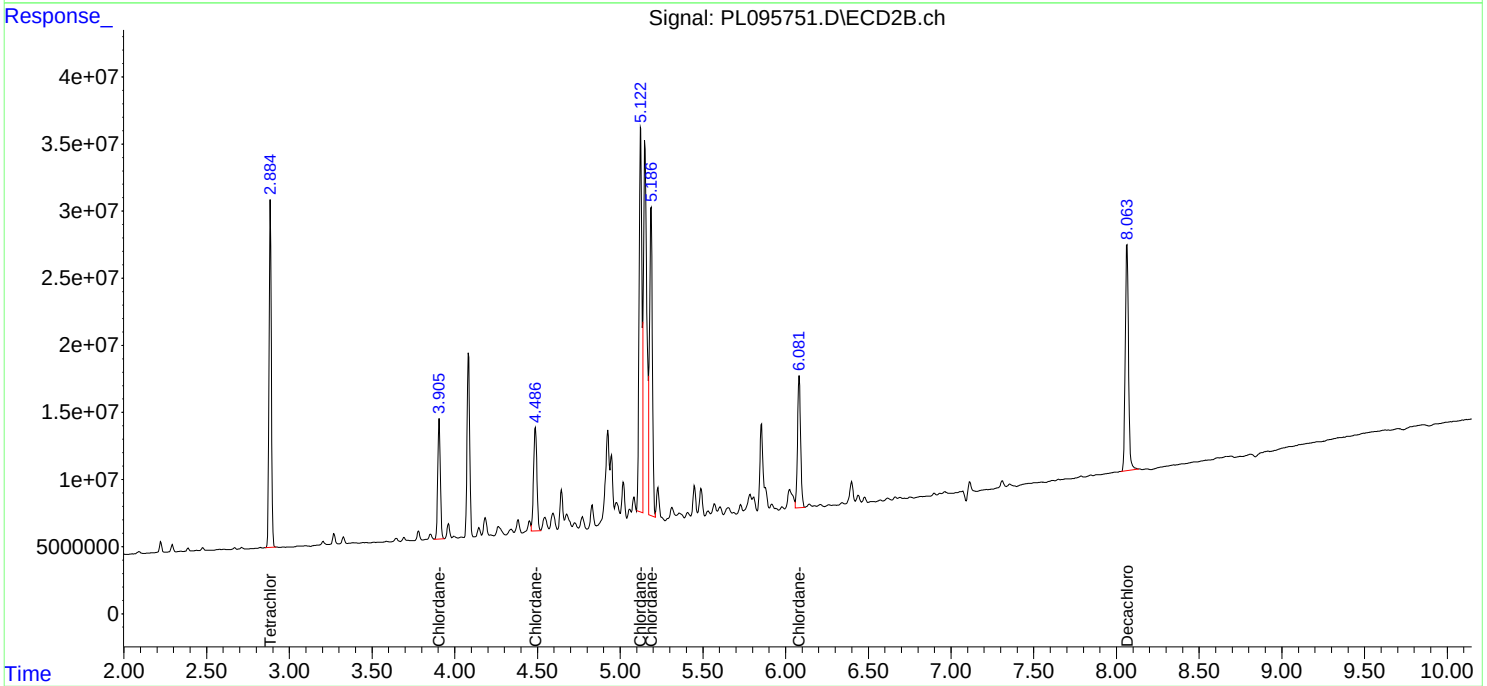
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095751.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 15:12
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:59:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:59:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 15:26
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:35:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:34:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.573	2.886	163.7E6	202.4E6	49.982	49.895
7) SA	Decachlor...	9.104	8.064	124.0E6	247.6E6	50.372	51.064
	Target Compounds						
2)	Toxaphene-1	5.882	5.144	5739363	15408948	501.878	517.652
3)	Toxaphene-2	6.271	5.832	14155370	17364106	513.663	497.470
4)	Toxaphene-3	7.086	6.112	48247186	18382533	514.399	502.461
5)	Toxaphene-4	7.177	6.748	33135236	58920327	505.295	500.417
6)	Toxaphene-5	7.958	7.188	23485148	39543084	507.540	484.747

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

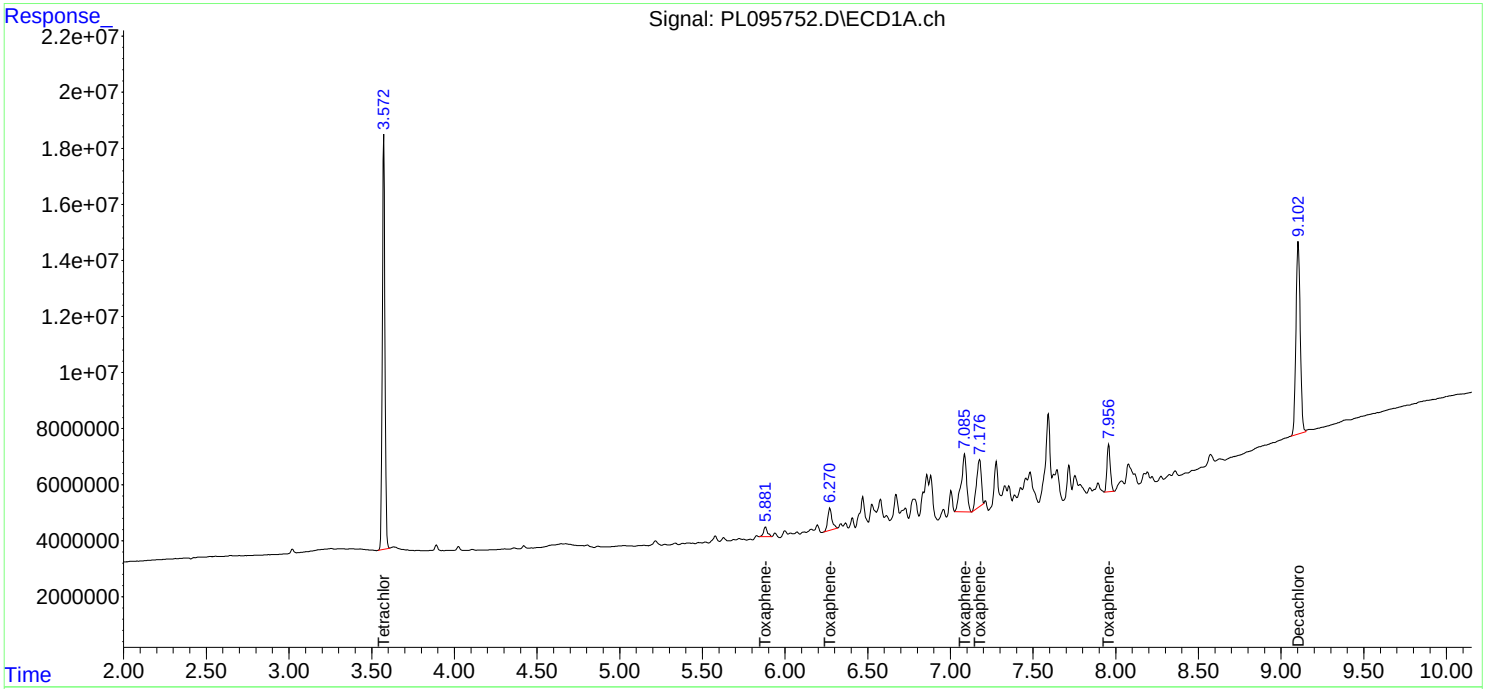
ICAL Form

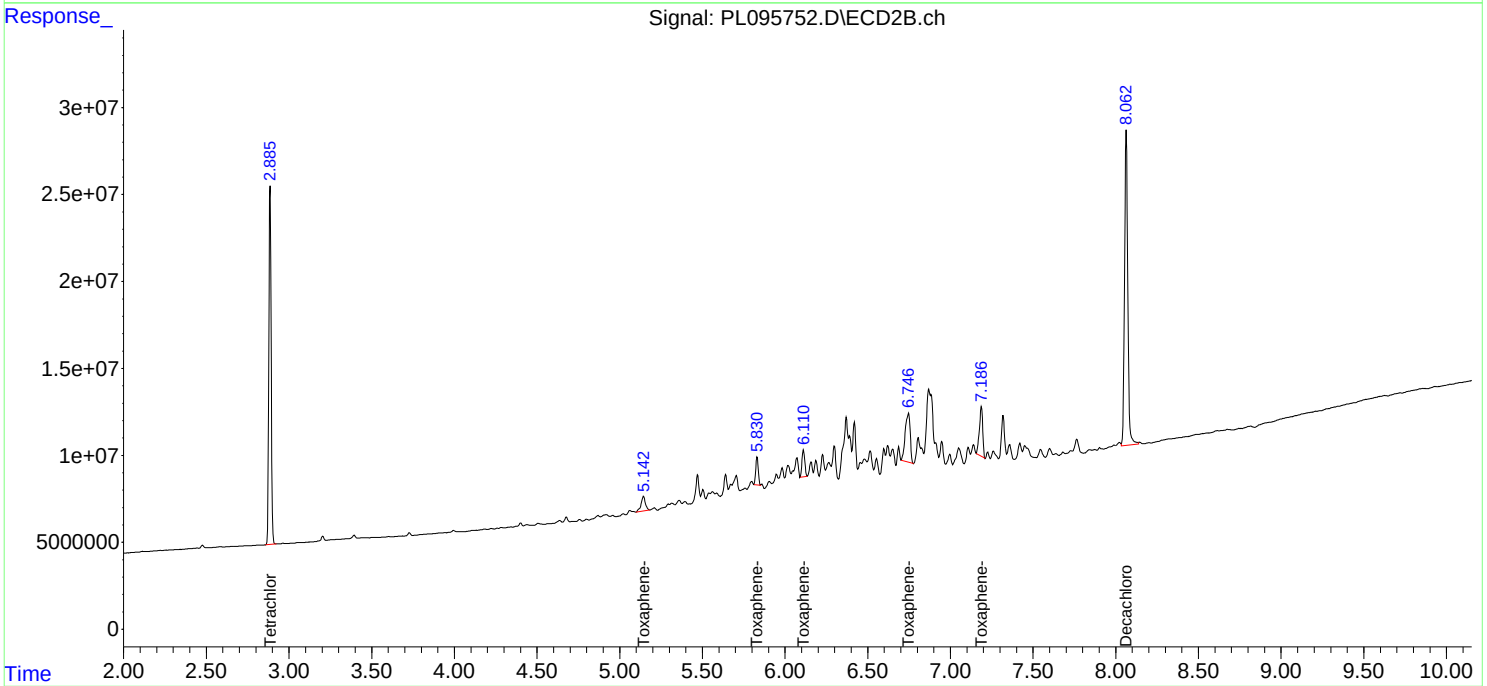
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 15:26
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:35:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:34:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL095880.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 09:56 **Initial Calibration Time(s):** 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
alpha-BHC	4.02	4.03	3.93	4.13	0.01
beta-BHC	4.54	4.54	4.44	4.64	0.00
delta-BHC	4.79	4.79	4.69	4.89	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Aldrin	5.30	5.30	5.20	5.40	0.00
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endosulfan I	6.10	6.10	6.00	6.20	0.00
Dieldrin	6.37	6.38	6.28	6.48	0.01
4,4'-DDE	6.22	6.22	6.12	6.32	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.81	6.82	6.72	6.92	0.01
4,4'-DDD	6.73	6.73	6.63	6.83	0.00
Endosulfan sulfate	7.18	7.18	7.08	7.28	0.00
4,4'-DDT	7.05	7.05	6.95	7.15	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00
Endrin ketone	7.66	7.66	7.56	7.76	0.00
Endrin aldehyde	6.94	6.94	6.84	7.04	0.00
alpha-Chlordane	6.05	6.05	5.95	6.15	0.00
gamma-Chlordane	5.97	5.97	5.87	6.07	0.00

Raw Data: **PL095880.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 09:56 **Initial Calibration Time(s):** 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
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	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
Endosulfan sulfate	6.47	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

Raw Data: **PL095880.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095880.D **Time Analyzed:** 09:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.732	6.634	6.834	54.330	50.000	8.7
4,4'-DDE	6.223	6.124	6.324	52.600	50.000	5.2
4,4'-DDT	7.048	6.950	7.150	50.810	50.000	1.6
Aldrin	5.296	5.197	5.397	55.700	50.000	11.4
alpha-BHC	4.024	3.925	4.125	55.670	50.000	11.3
alpha-Chlordane	6.053	5.954	6.154	54.590	50.000	9.2
beta-BHC	4.543	4.444	4.644	54.960	50.000	9.9
Decachlorobiphenyl	9.099	9.003	9.203	50.410	50.000	0.8
delta-BHC	4.792	4.692	4.892	54.900	50.000	9.8
Dieldrin	6.374	6.275	6.475	54.900	50.000	9.8
Endosulfan I	6.100	6.002	6.202	54.550	50.000	9.1
Endosulfan II	6.814	6.715	6.915	49.230	50.000	-1.5
Endosulfan sulfate	7.176	7.078	7.278	52.640	50.000	5.3
Endrin	6.601	6.502	6.702	51.610	50.000	3.2
Endrin aldehyde	6.942	6.844	7.044	53.510	50.000	7.0
Endrin ketone	7.658	7.560	7.760	53.170	50.000	6.3
gamma-BHC (Lindane)	4.356	4.257	4.457	55.600	50.000	11.2
gamma-Chlordane	5.972	5.873	6.073	55.720	50.000	11.4
Heptachlor	4.953	4.855	5.055	54.350	50.000	8.7
Heptachlor epoxide	5.717	5.618	5.818	55.510	50.000	11.0
Methoxychlor	7.521	7.423	7.623	51.720	50.000	3.4
Tetrachloro-m-xylene	3.573	3.473	3.673	55.690	50.000	11.4

Raw Data: **PL095880.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095880.D **Time Analyzed:** 09:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.826	6.026	54.870	50.000	9.7
4,4'-DDE	5.372	5.274	5.474	53.030	50.000	6.1
4,4'-DDT	6.176	6.080	6.280	50.640	50.000	1.3
Aldrin	4.366	4.268	4.468	57.020	50.000	14.0
alpha-BHC	3.395	3.296	3.496	56.700	50.000	13.4
alpha-Chlordane	5.185	5.087	5.287	55.530	50.000	11.1
beta-BHC	4.024	3.926	4.126	55.470	50.000	10.9
Decachlorobiphenyl	8.059	7.964	8.164	51.100	50.000	2.2
delta-BHC	4.260	4.161	4.361	55.570	50.000	11.1
Dieldrin	5.505	5.408	5.608	55.500	50.000	11.0
Endosulfan I	5.240	5.143	5.343	50.760	50.000	1.5
Endosulfan II	6.069	5.973	6.173	54.320	50.000	8.6
Endosulfan sulfate	6.471	6.375	6.575	53.440	50.000	6.9
Endrin	5.778	5.683	5.883	51.800	50.000	3.6
Endrin aldehyde	6.248	6.151	6.351	54.090	50.000	8.2
Endrin ketone	6.977	6.880	7.080	53.690	50.000	7.4
gamma-BHC (Lindane)	3.729	3.630	3.830	56.170	50.000	12.3
gamma-Chlordane	5.120	5.023	5.223	55.590	50.000	11.2
Heptachlor	4.082	3.983	4.183	55.200	50.000	10.4
Heptachlor epoxide	4.868	4.771	4.971	55.170	50.000	10.3
Methoxychlor	6.747	6.651	6.851	49.000	50.000	-2.0
Tetrachloro-m-xylene	2.886	2.786	2.986	54.700	50.000	9.4

Quantitation Report (QT Reviewed)

Sample Results: **PL095880.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 09:56
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.573	2.886	175.7E6	214.1E6	55.689	54.698
28)	SA	Decachlor...	9.099	8.059	118.8E6	223.5E6	50.413	51.101
		Target Compounds						
2)	A	alpha-BHC	4.024	3.395	269.9E6	332.1E6	55.671	56.701
3)	MA	gamma-BHC...	4.356	3.729	248.6E6	314.6E6	55.596	56.168
4)	MA	Heptachlor	4.953	4.082	205.7E6	309.6E6	54.351	55.197
5)	MB	Aldrin	5.296	4.366	238.3E6	302.6E6	55.704	57.016
6)	B	beta-BHC	4.543	4.024	108.3E6	137.4E6	54.958	55.471
7)	B	delta-BHC	4.792	4.260	243.4E6	313.8E6	54.898	55.569
8)	B	Heptachlo...	5.717	4.868	211.9E6	272.4E6	55.506	55.168
9)	A	Endosulfan I	6.100	5.240	199.9E6	241.9E6	54.548	50.764
10)	B	gamma-Chl...	5.972	5.120	216.9E6	292.0E6	55.719	55.589
11)	B	alpha-Chl...	6.053	5.185	215.5E6	288.9E6	54.591	55.532
12)	B	4,4'-DDE	6.223	5.372	192.9E6	284.3E6	52.598	53.029
13)	MA	Dieldrin	6.374	5.505	211.9E6	294.1E6	54.901	55.499
14)	MA	Endrin	6.601	5.778	166.5E6	252.6E6	51.608	51.804m
15)	B	Endosulfa...	6.814	6.069	169.6E6	258.1E6	49.230	54.320m
16)	A	4,4'-DDD	6.732	5.923	159.2E6	240.6E6	54.331	54.871
17)	MA	4,4'-DDT	7.048	6.176	137.4E6	242.2E6	50.806	50.636
18)	B	Endrin al...	6.942	6.248	129.4E6	186.9E6	53.515	54.092
19)	B	Endosulfa...	7.176	6.471	157.2E6	240.2E6	52.635	53.445
20)	A	Methoxychlor	7.521	6.747	65954539	128.2E6	51.716	49.005
21)	B	Endrin ke...	7.658	6.977	168.4E6	277.8E6	53.175	53.692
22)		Mirex	8.138	7.170	122.5E6	215.6E6	52.959	53.088

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 09:56
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

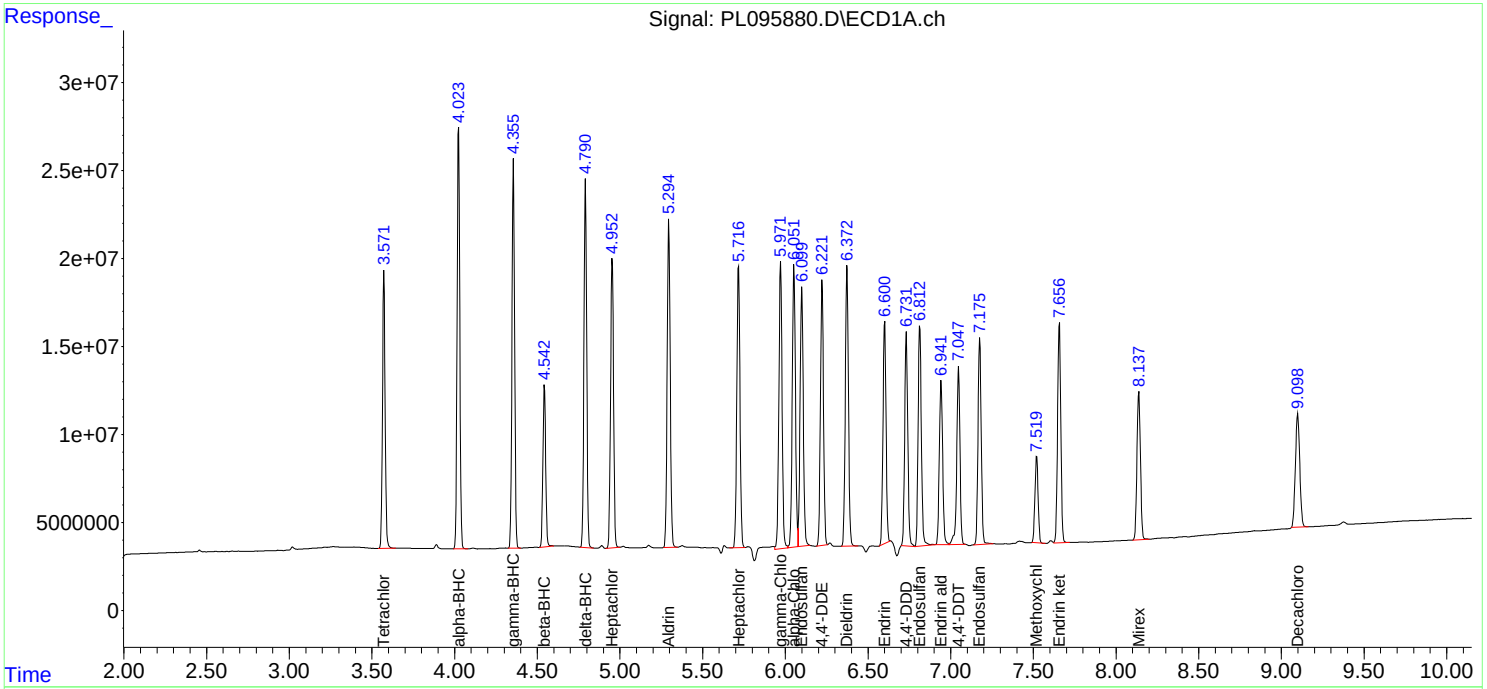
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

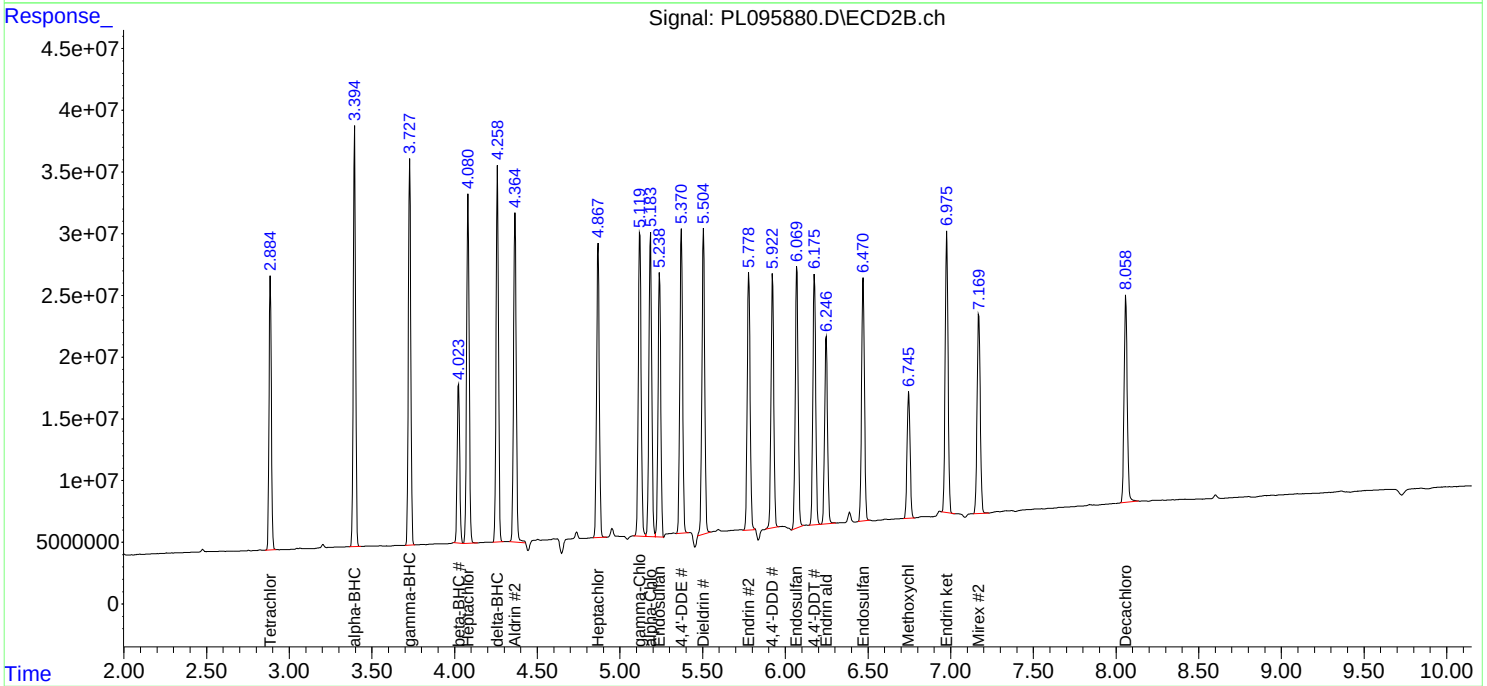
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL095897.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 **Initial Calibration Time(s):** 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
alpha-BHC	4.02	4.03	3.93	4.13	0.01
beta-BHC	4.54	4.54	4.44	4.64	0.00
delta-BHC	4.79	4.79	4.69	4.89	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Aldrin	5.30	5.30	5.20	5.40	0.00
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endosulfan I	6.10	6.10	6.00	6.20	0.00
Dieldrin	6.37	6.38	6.28	6.48	0.01
4,4'-DDE	6.22	6.22	6.12	6.32	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.81	6.82	6.72	6.92	0.01
4,4'-DDD	6.73	6.73	6.63	6.83	0.00
Endosulfan sulfate	7.18	7.18	7.08	7.28	0.00
4,4'-DDT	7.05	7.05	6.95	7.15	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00
Endrin ketone	7.66	7.66	7.56	7.76	0.00
Endrin aldehyde	6.94	6.94	6.84	7.04	0.00
alpha-Chlordane	6.05	6.05	5.95	6.15	0.00
gamma-Chlordane	5.97	5.97	5.87	6.07	0.00

Raw Data: **PL095897.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Continuing Calib Date: 06/03/2025 **Initial Calibration Date(s):** 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 **Initial Calibration Time(s):** 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
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	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
Endosulfan sulfate	6.47	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

Raw Data: **PL095897.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095897.D **Time Analyzed:** 17:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.733	6.634	6.834	46.270	50.000	-7.5
4,4'-DDE	6.222	6.124	6.324	46.320	50.000	-7.4
4,4'-DDT	7.047	6.950	7.150	44.000	50.000	-12.0
Aldrin	5.296	5.197	5.397	48.690	50.000	-2.6
alpha-BHC	4.024	3.925	4.125	50.060	50.000	0.1
alpha-Chlordane	6.052	5.954	6.154	47.030	50.000	-5.9
beta-BHC	4.543	4.444	4.644	49.130	50.000	-1.7
Decachlorobiphenyl	9.098	9.003	9.203	43.980	50.000	-12.0
delta-BHC	4.791	4.692	4.892	49.560	50.000	-0.9
Dieldrin	6.373	6.275	6.475	47.010	50.000	-6.0
Endosulfan I	6.100	6.002	6.202	47.200	50.000	-5.6
Endosulfan II	6.814	6.715	6.915	42.140	50.000	-15.7
Endosulfan sulfate	7.176	7.078	7.278	45.150	50.000	-9.7
Endrin	6.601	6.502	6.702	44.600	50.000	-10.8
Endrin aldehyde	6.942	6.844	7.044	46.040	50.000	-7.9
Endrin ketone	7.657	7.560	7.760	46.370	50.000	-7.3
gamma-BHC (Lindane)	4.356	4.257	4.457	49.830	50.000	-0.3
gamma-Chlordane	5.971	5.873	6.073	47.550	50.000	-4.9
Heptachlor	4.953	4.855	5.055	48.950	50.000	-2.1
Heptachlor epoxide	5.717	5.618	5.818	48.650	50.000	-2.7
Methoxychlor	7.520	7.423	7.623	44.540	50.000	-10.9
Tetrachloro-m-xylene	3.572	3.473	3.673	50.900	50.000	1.8

Raw Data: **PL095897.D**

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095897.D **Time Analyzed:** 17:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.922	5.826	6.026	47.940	50.000	-4.1
4,4'-DDE	5.371	5.274	5.474	45.770	50.000	-8.5
4,4'-DDT	6.177	6.080	6.280	41.460	50.000	-17.1
Aldrin	4.364	4.268	4.468	51.850	50.000	3.7
alpha-BHC	3.395	3.296	3.496	53.460	50.000	6.9
alpha-Chlordane	5.184	5.087	5.287	49.960	50.000	-0.1
beta-BHC	4.024	3.926	4.126	51.510	50.000	3.0
Decachlorobiphenyl	8.059	7.964	8.164	42.370	50.000	-15.3
delta-BHC	4.259	4.161	4.361	52.410	50.000	4.8
Dieldrin	5.505	5.408	5.608	48.900	50.000	-2.2
Endosulfan I	5.240	5.143	5.343	45.990	50.000	-8.0
Endosulfan II	6.070	5.973	6.173	46.740	50.000	-6.5
Endosulfan sulfate	6.471	6.375	6.575	44.900	50.000	-10.2
Endrin	5.779	5.683	5.883	45.120	50.000	-9.8
Endrin aldehyde	6.248	6.151	6.351	46.350	50.000	-7.3
Endrin ketone	6.977	6.880	7.080	43.910	50.000	-12.2
gamma-BHC (Lindane)	3.729	3.630	3.830	52.270	50.000	4.5
gamma-Chlordane	5.120	5.023	5.223	49.880	50.000	-0.2
Heptachlor	4.081	3.983	4.183	51.390	50.000	2.8
Heptachlor epoxide	4.868	4.771	4.971	49.980	50.000	0.0
Methoxychlor	6.747	6.651	6.851	40.990	50.000	-18.0
Tetrachloro-m-xylene	2.886	2.786	2.986	51.450	50.000	2.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:01
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.572	2.886	160.6E6	201.4E6	50.900	51.454
28)	SA	Decachlor...	9.098	8.059	103.6E6	185.3E6	43.981	42.369
		Target Compounds						
2)	A	alpha-BHC	4.024	3.395	242.7E6	313.1E6	50.062	53.462
3)	MA	gamma-BHC...	4.356	3.729	222.8E6	292.8E6	49.832	52.268
4)	MA	Heptachlor	4.953	4.081	185.3E6	288.3E6	48.948	51.391
5)	MB	Aldrin	5.296	4.364	208.3E6	275.2E6	48.687	51.855m
6)	B	beta-BHC	4.543	4.024	96846249	127.6E6	49.126	51.505
7)	B	delta-BHC	4.791	4.259	219.7E6	296.0E6	49.562	52.407
8)	B	Heptachlo...	5.717	4.868	185.7E6	246.8E6	48.650	49.976
9)	A	Endosulfan I	6.100	5.240	173.0E6	219.1E6	47.199	45.986
10)	B	gamma-Chl...	5.971	5.120	185.1E6	262.0E6	47.552	49.881
11)	B	alpha-Chl...	6.052	5.184	185.7E6	259.9E6	47.030	49.958
12)	B	4,4'-DDE	6.222	5.371	169.9E6	245.4E6	46.316	45.772
13)	MA	Dieldrin	6.373	5.505	181.4E6	259.2E6	47.013	48.904
14)	MA	Endrin	6.601	5.779	143.9E6	220.0E6	44.596	45.125m
15)	B	Endosulfa...	6.814	6.070	145.2E6	222.1E6	42.139	46.738
16)	A	4,4'-DDD	6.733	5.922	135.6E6	210.2E6	46.274	47.938m
17)	MA	4,4'-DDT	7.047	6.177	119.0E6	198.3E6	43.996	41.457
18)	B	Endrin al...	6.942	6.248	111.3E6	160.1E6	46.040	46.352
19)	B	Endosulfa...	7.176	6.471	134.9E6	201.8E6	45.150	44.896
20)	A	Methoxychlor	7.520	6.747	56802901	107.2E6	44.540	40.993
21)	B	Endrin ke...	7.657	6.977	146.8E6	227.2E6	46.366	43.911
22)		Mirex	8.139	7.169	105.8E6	170.9E6	45.736	42.094m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:01
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

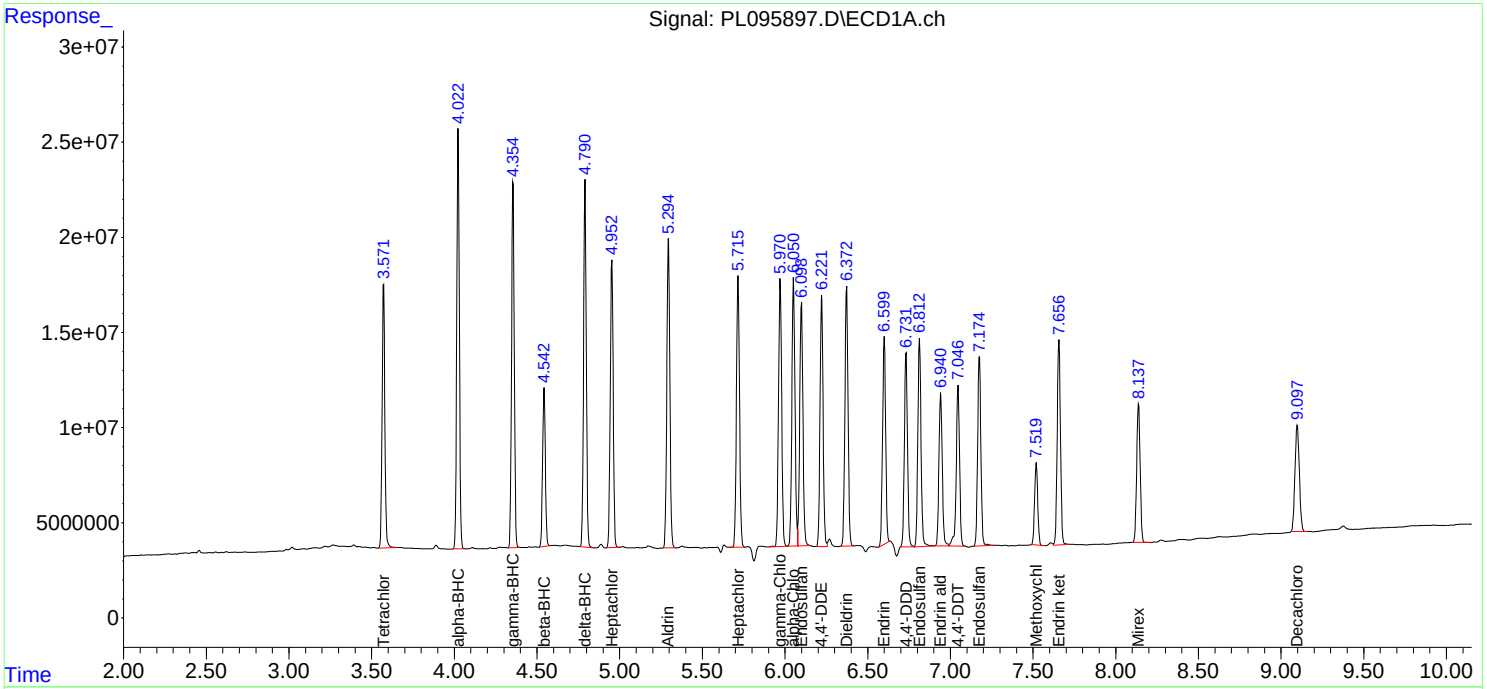
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

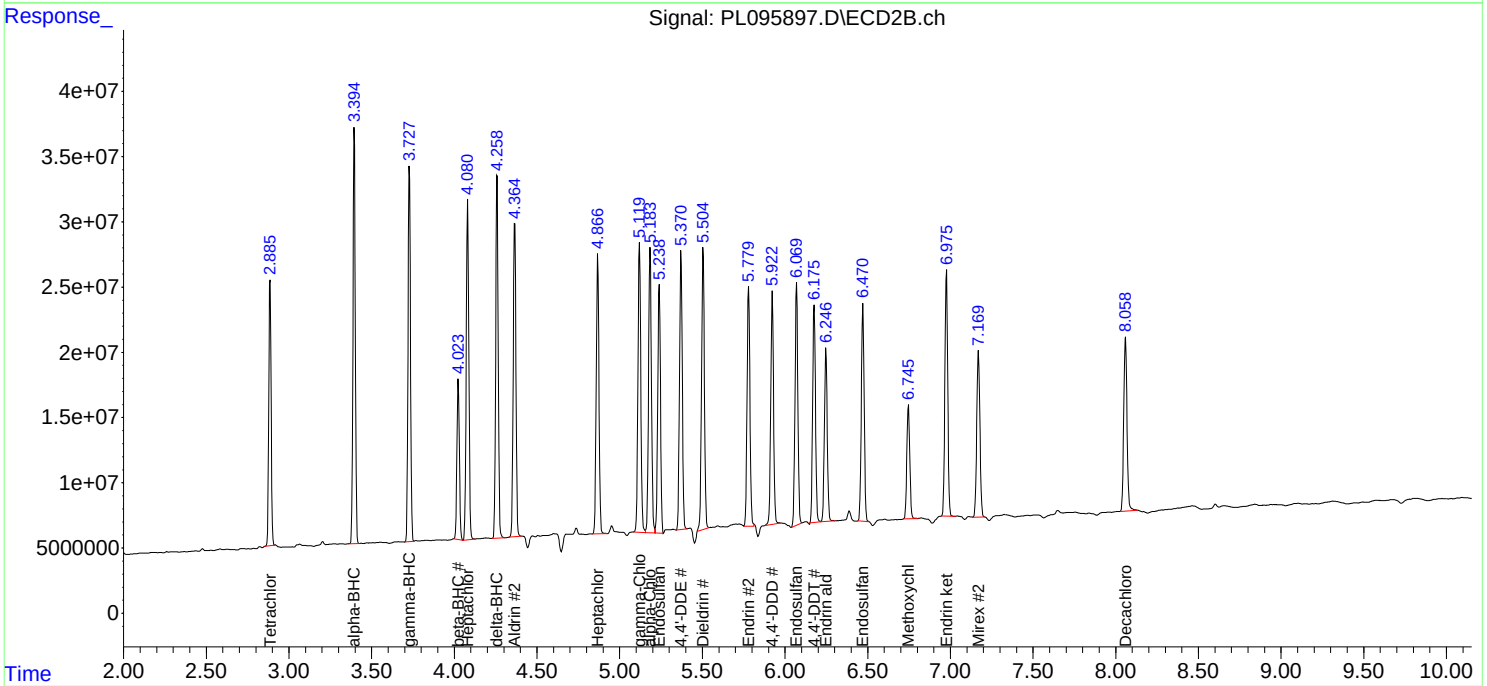
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095733.D **Date Analyzed:** 05/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:01

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.103	9.000	9.200	21.750	20.000	8.8
Tetrachloro-m-xylene	3.573	3.520	3.620	20.300	20.000	1.5
alpha-BHC	4.025	3.970	4.080	9.870	10.000	-1.3
beta-BHC	4.544	4.490	4.590	10.330	10.000	3.3
gamma-BHC (Lindane)	4.356	4.310	4.410	10.120	10.000	1.2
Endrin	6.602	6.530	6.670	51.510	50.000	3.0
4,4'-DDT	7.049	6.980	7.120	98.360	100.000	-1.6
Methoxychlor	7.523	7.450	7.590	249.140	250.000	-0.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095733.D **Date Analyzed:** 05/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:01

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.063	7.960	8.160	20.860	20.000	4.3
Tetrachloro-m-xylene	2.886	2.840	2.940	19.970	20.000	-0.2
alpha-BHC	3.396	3.350	3.450	9.630	10.000	-3.7
beta-BHC	4.024	3.970	4.070	10.010	10.000	0.1
gamma-BHC (Lindane)	3.730	3.680	3.780	9.770	10.000	-2.3
Endrin	5.782	5.710	5.850	51.350	50.000	2.7
4,4'-DDT	6.179	6.110	6.250	105.590	100.000	5.6
Methoxychlor	6.750	6.680	6.820	232.680	250.000	-6.9

PEM

Data File: PL095733.D **Date Acquired** 5/21/2025 11:01

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.60	166199539.1	167521772.4	1322233.35	**0.79**
Endrin aldehyde	6.96	311326.919			
Endrin ketone	7.66	1010906.429			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.78	250406859.3	255154793.7	4747934.39	**1.86**
Endrin aldehyde #2	6.25	2401094.749			
Endrin ketone #2	6.98	2346839.636			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.05	266081984.2	266752820.2	670836.009	**0.25**
4,4'-DDE	0.00	0			
4,4'-DDD	6.73	670836.009			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.18	505004527.9	506096836.4	1092308.49	**0.22**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	1092308.494			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095733.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:01
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.886	64039504	78171856	20.296	19.973
28)	SA Decachlor...	9.103	8.063	51250615	91261143	21.750	20.862
	Target Compounds						
2)	A alpha-BHC	4.025	3.396	47867188	56433599	9.874	9.635
3)	MA gamma-BHC...	4.356	3.730	45268364	54712345	10.123	9.768
6)	B beta-BHC	4.544	4.024	20364485	24808902	10.330	10.013m
14)	MA Endrin	6.602	5.782	166.2E6	250.4E6	51.507	51.354
16)	A 4,4'-DDD	6.734	5.926	670836	1092308	0.229m	0.249m
17)	MA 4,4'-DDT	7.049	6.179	266.1E6	505.0E6	98.362	105.592
18)	B Endrin al...	6.959	6.254	311327	2401095	0.129m	0.695m#
20)	A Methoxychlor	7.523	6.750	317.7E6	608.7E6	249.137	232.677
21)	B Endrin ke...	7.659	6.979	1010906	2346840	0.319m	0.454m#

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

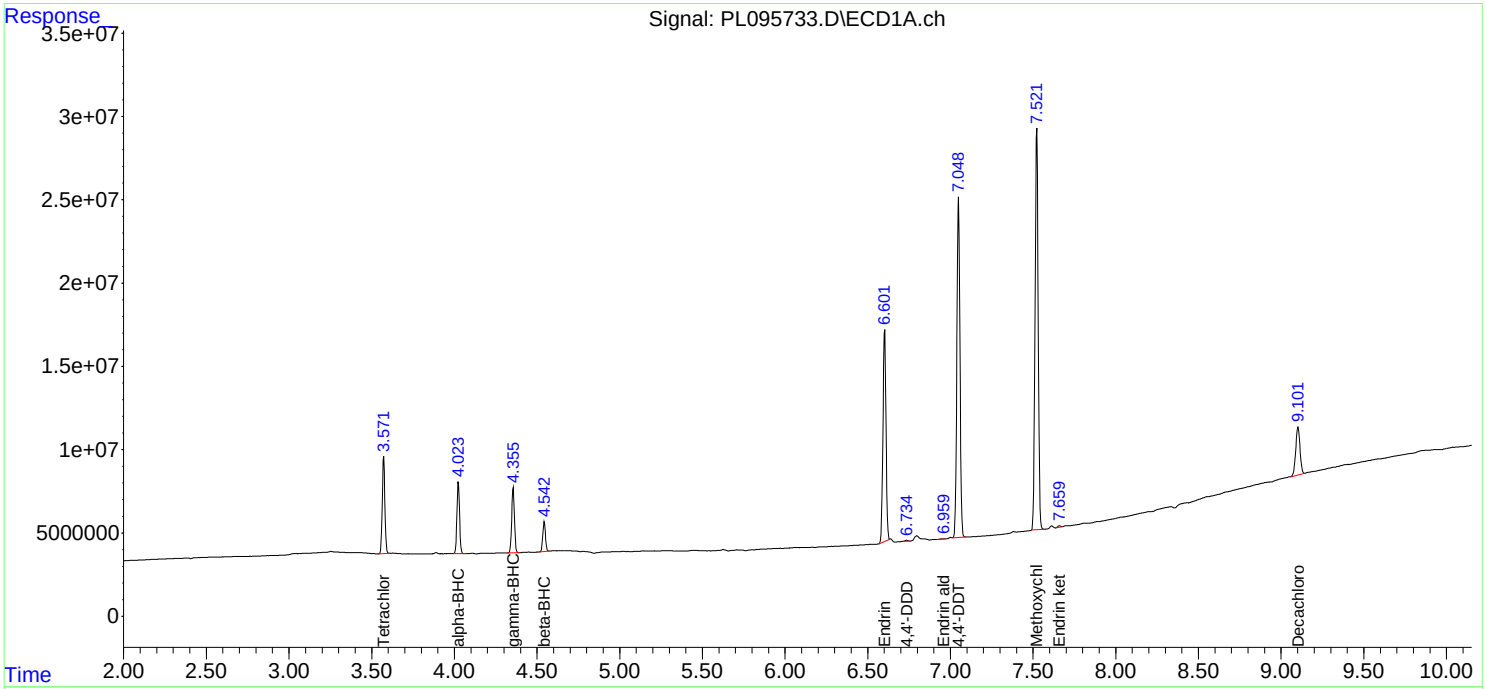
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095733.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:01
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

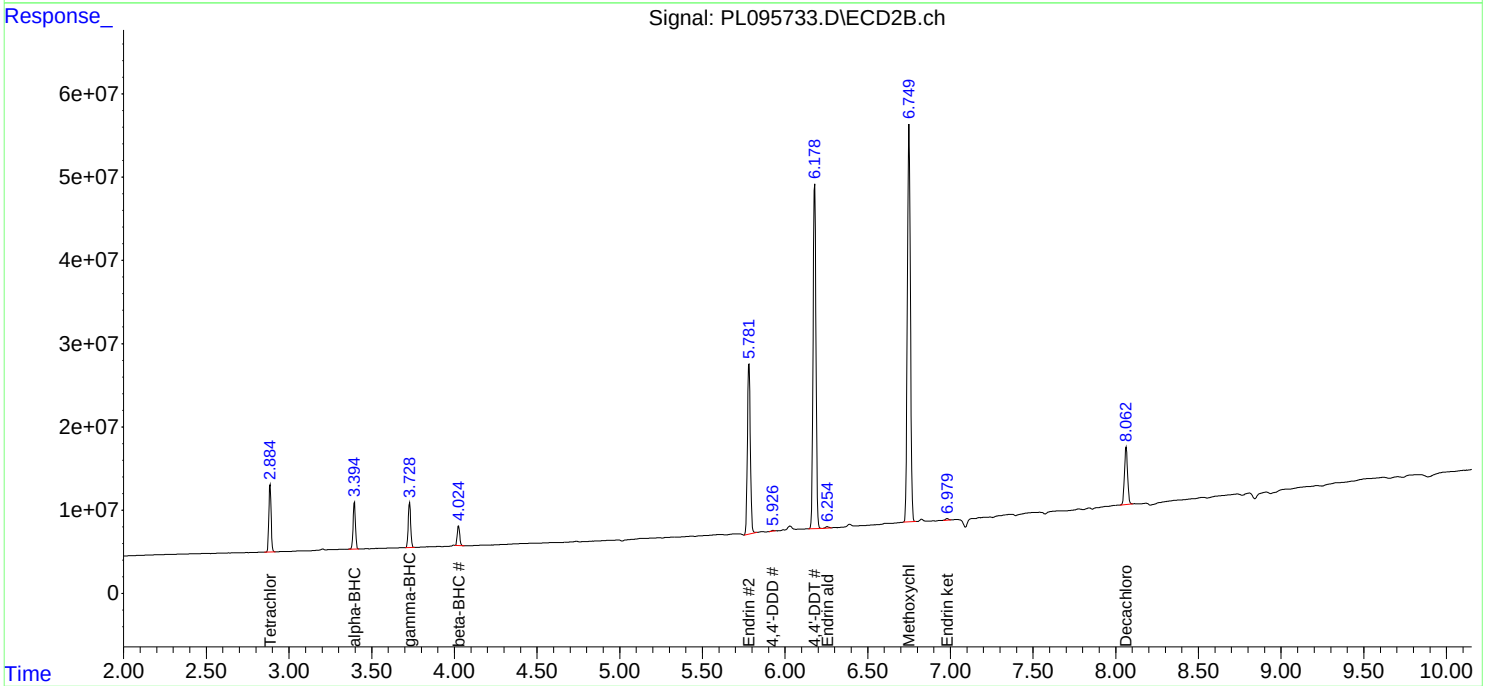
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095879.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:42

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.098	9.000	9.200	22.730	20.000	13.7
Tetrachloro-m-xylene	3.572	3.520	3.620	23.620	20.000	18.1
alpha-BHC	4.024	3.970	4.070	11.250	10.000	12.5
beta-BHC	4.542	4.490	4.590	11.840	10.000	18.4
gamma-BHC (Lindane)	4.355	4.300	4.410	11.530	10.000	15.3
Endrin	6.600	6.530	6.670	53.670	50.000	7.3
4,4'-DDT	7.047	6.980	7.120	103.120	100.000	3.1
Methoxychlor	7.520	7.450	7.590	250.820	250.000	0.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095879.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:42

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.960	8.160	21.700	20.000	8.5
Tetrachloro-m-xylene	2.885	2.830	2.940	22.520	20.000	12.6
alpha-BHC	3.394	3.340	3.440	10.800	10.000	8.0
beta-BHC	4.024	3.970	4.070	11.430	10.000	14.3
gamma-BHC (Lindane)	3.728	3.680	3.780	10.890	10.000	8.9
Endrin	5.778	5.710	5.850	53.730	50.000	7.5
4,4'-DDT	6.176	6.110	6.250	107.430	100.000	7.4
Methoxychlor	6.746	6.680	6.820	225.220	250.000	-9.9

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095879.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 09:42
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:34:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.885	74521020	88129047	23.618	22.517
28)	SA Decachlor...	9.098	8.059	53564425	94943558	22.732	21.704
	Target Compounds						
2)	A alpha-BHC	4.024	3.394	54521486	63235251	11.246	10.796
3)	MA gamma-BHC...	4.355	3.728	51575809	61003492	11.533	10.891
6)	B beta-BHC	4.542	4.024	23334848	28321395	11.837	11.431
14)	MA Endrin	6.600	5.778	173.2E6	262.0E6	53.674	53.728m
16)	A 4,4'-DDD	6.730	5.923	9789523	14757683	3.340m	3.366
17)	MA 4,4'-DDT	7.047	6.176	279.0E6	513.8E6	103.121	107.426
18)	B Endrin al...	6.940	6.248	1770036	3784186	0.732m	1.096m#
20)	A Methoxychlor	7.520	6.746	319.9E6	589.2E6	250.821	225.225
21)	B Endrin ke...	7.657	6.976	5996978	10719898	1.894	2.072

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

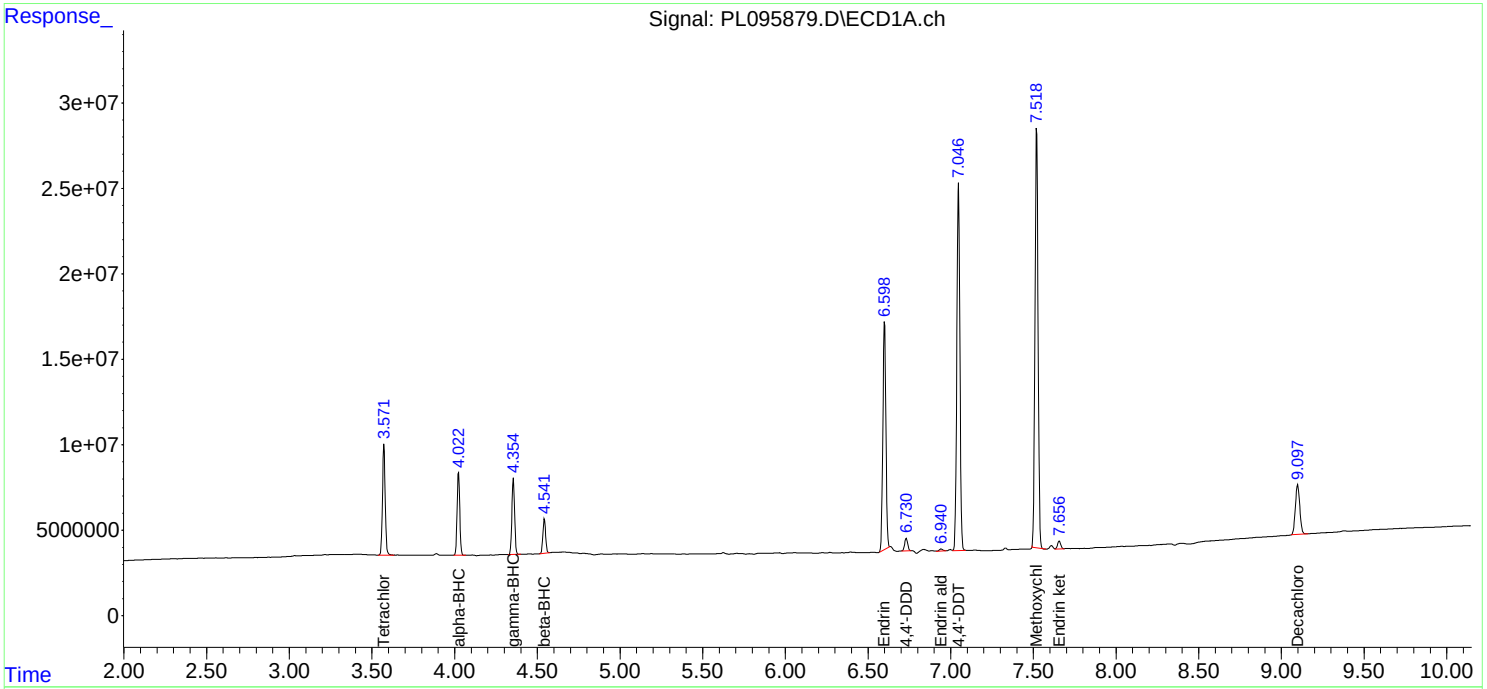
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095879.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 09:42
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

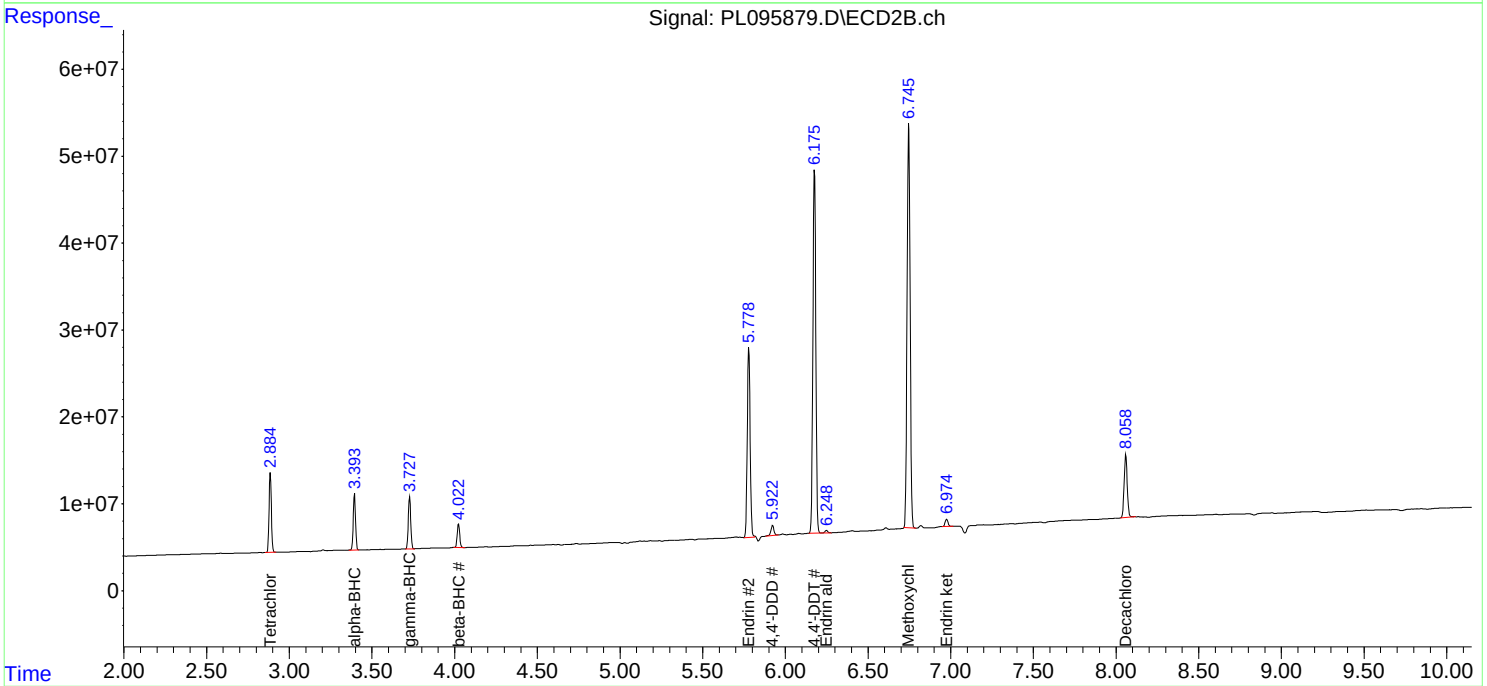
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:34:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095734.D
Acq On : 21 May 2025 11:14
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Title : GC Extractables
Last Update : Thu May 22 06:29:30 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.573	5.972	100.00%
5.972	6.101	100.00%
6.101	6.224	100.00%
6.224	6.374	100.00%
6.374	7.178	100.00%
7.178	7.522	100.00%
7.522	7.659	100.00%
7.659	9.103	100.00%

Signal #2

2.886	5.123	100.00%
5.123	5.243	100.00%
5.243	5.374	100.00%
5.374	5.508	100.00%
5.508	6.475	100.00%
6.475	6.751	100.00%
6.751	6.980	100.00%
6.980	8.064	100.00%

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095734.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:14
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:32:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.886	60022861	73415307	19.023	18.757
28)	SA Decachlor...	9.103	8.064	45572921	81946227	19.341	18.733
	Target Compounds						
9)	A Endosulfan I	6.101	5.241	31518593	40595374	8.600	8.520m
10)	B gamma-Chl...	5.972	5.123	35297875	47615649	9.069	9.065
12)	B 4,4'-DDE	6.224	5.374	68142524	100.3E6	18.578	18.705
13)	MA Dieldrin	6.374	5.508	70647803	96307968	18.306	18.171
19)	B Endosulfa...	7.178	6.475	56140155	83285792	18.795	18.530
20)	A Methoxychlor	7.522	6.751	116.9E6	235.1E6	91.656	89.874
21)	B Endrin ke...	7.658	6.980	58357832	95098278	18.427m	18.380

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095734.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:14
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

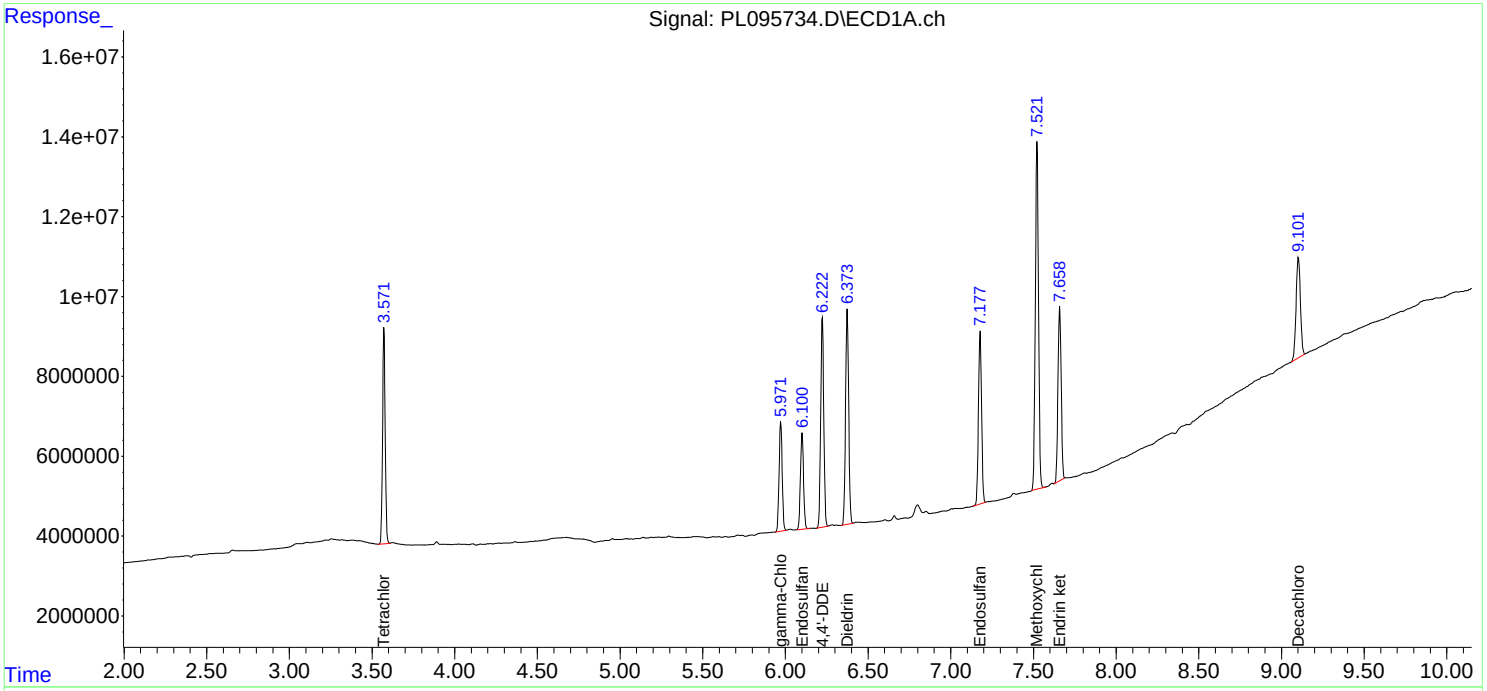
Instrument :
ECD_L
ClientSampleId :
RESCHK

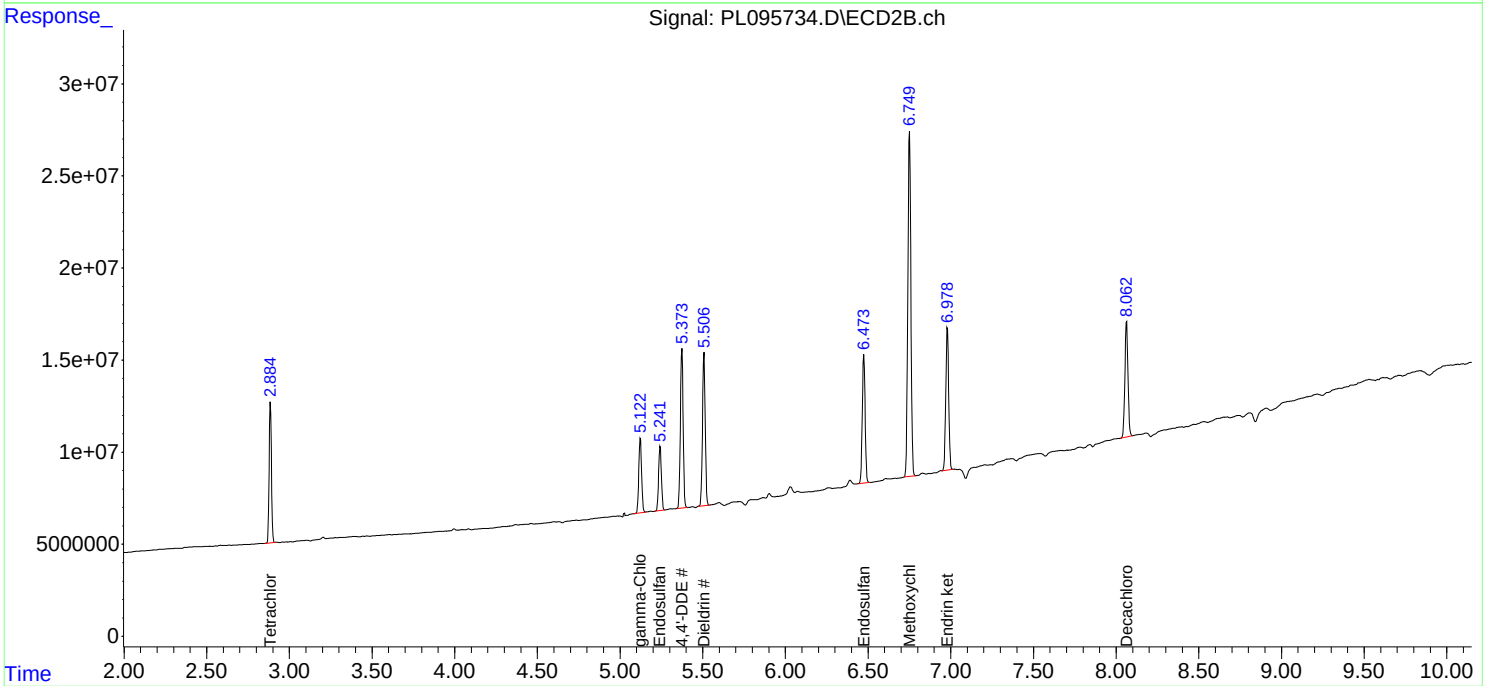
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:32:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2176

Project: South River WM Replacement **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/21/2025 05/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/21/2025	10:47	PL095732.D	9.10	3.57
PEM	PEM	05/21/2025	11:01	PL095733.D	9.10	3.57
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	9.10	3.57
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	9.11	3.58
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	9.10	3.57
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	9.10	3.57
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	9.10	3.57
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	9.10	3.57
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	9.10	3.57
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	9.10	3.57
I.BLK	I.BLK	06/03/2025	09:28	PL095878.D	9.10	3.57
PEM	PEM	06/03/2025	09:42	PL095879.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	09:56	PL095880.D	9.10	3.57
PB168253BL	PB168253BL	06/03/2025	12:49	PL095881.D	9.11	3.58
PB168253BS	PB168253BS	06/03/2025	13:03	PL095882.D	9.10	3.57
TP-46	Q2176-01	06/03/2025	14:14	PL095885.D	9.10	3.57
TP-56	Q2176-02	06/03/2025	14:28	PL095886.D	9.10	3.57
TP-25	Q2176-03	06/03/2025	14:42	PL095887.D	9.10	3.57
TP-25MS	Q2176-03MS	06/03/2025	14:55	PL095888.D	9.10	3.57
TP-25MSD	Q2176-03MSD	06/03/2025	15:09	PL095889.D	9.10	3.57
TP-26	Q2176-04	06/03/2025	15:22	PL095890.D	9.10	3.57
TP-28	Q2176-05	06/03/2025	15:36	PL095891.D	9.10	3.57
TP-27	Q2176-06	06/03/2025	15:50	PL095892.D	9.10	3.57
TP-31	Q2176-07	06/03/2025	16:03	PL095893.D	9.10	3.57
TP-65	Q2176-08	06/03/2025	16:17	PL095894.D	9.10	3.57
I.BLK	I.BLK	06/03/2025	16:48	PL095896.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	9.10	3.57

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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2176

Project: South River WM Replacement **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/21/2025 05/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/21/2025	10:47	PL095732.D	8.06	2.89
PEM	PEM	05/21/2025	11:01	PL095733.D	8.06	2.89
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	8.06	2.89
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	8.06	2.88
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	8.06	2.89
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	8.06	2.89
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	8.06	2.89
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	8.06	2.89
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	8.06	2.89
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	8.06	2.89
I.BLK	I.BLK	06/03/2025	09:28	PL095878.D	8.06	2.89
PEM	PEM	06/03/2025	09:42	PL095879.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	09:56	PL095880.D	8.06	2.89
PB168253BL	PB168253BL	06/03/2025	12:49	PL095881.D	8.06	2.88
PB168253BS	PB168253BS	06/03/2025	13:03	PL095882.D	8.06	2.88
TP-46	Q2176-01	06/03/2025	14:14	PL095885.D	8.06	2.89
TP-56	Q2176-02	06/03/2025	14:28	PL095886.D	8.06	2.89
TP-25	Q2176-03	06/03/2025	14:42	PL095887.D	8.06	2.89
TP-25MS	Q2176-03MS	06/03/2025	14:55	PL095888.D	8.06	2.89
TP-25MSD	Q2176-03MSD	06/03/2025	15:09	PL095889.D	8.06	2.89
TP-26	Q2176-04	06/03/2025	15:22	PL095890.D	8.06	2.89
TP-28	Q2176-05	06/03/2025	15:36	PL095891.D	8.06	2.89
TP-27	Q2176-06	06/03/2025	15:50	PL095892.D	8.06	2.89
TP-31	Q2176-07	06/03/2025	16:03	PL095893.D	8.06	2.89
TP-65	Q2176-08	06/03/2025	16:17	PL095894.D	8.06	2.89
I.BLK	I.BLK	06/03/2025	16:48	PL095896.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	8.06	2.89

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168253BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: PB168253BS **Date(s) Analyzed:** 06/03/2025 06/03/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.73	6.68	6.78	16.7	2.4
	2	5.92	5.87	5.97	17.1	
4,4'-DDE	1	6.22	6.17	6.27	16.6	1.8
	2	5.37	5.32	5.42	16.3	
4,4'-DDT	1	7.05	7.00	7.10	15.6	3.3
	2	6.18	6.13	6.23	15.1	
alpha-BHC	1	4.02	3.97	4.07	16.8	1.2
	2	3.39	3.34	3.44	17.0	
Aldrin	1	5.30	5.25	5.35	17.0	0
	2	4.37	4.32	4.42	17.0	
alpha-Chlordane	1	6.05	6.00	6.10	16.7	0
	2	5.18	5.13	5.23	16.7	
Endosulfan II	1	6.81	6.76	6.86	15.7	5
	2	6.07	6.02	6.12	16.5	
Endosulfan sulfate	1	7.18	7.13	7.23	16.4	0.6
	2	6.47	6.42	6.52	16.5	
beta-BHC	1	4.54	4.49	4.59	16.4	0
	2	4.02	3.97	4.07	16.4	
delta-BHC	1	4.79	4.74	4.84	16.6	1.2
	2	4.26	4.21	4.31	16.8	
Endosulfan I	1	6.10	6.05	6.15	16.7	0.6
	2	5.24	5.19	5.29	16.8	
Dieldrin	1	6.37	6.32	6.42	17.0	2.4
	2	5.50	5.45	5.55	16.6	
Endrin aldehyde	1	6.94	6.89	6.99	16.6	0
	2	6.25	6.20	6.30	16.6	
Methoxychlor	1	7.52	7.47	7.57	15.6	8
	2	6.75	6.70	6.80	14.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168253BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: PB168253BS **Date(s) Analyzed:** 06/03/2025 06/03/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.66	7.61	7.71	16.8	0.6
	2	6.98	6.93	7.03	16.9	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	16.8	0.6
	2	3.73	3.68	3.78	16.9	
Heptachlor	1	4.95	4.90	5.00	16.4	1.2
	2	4.08	4.03	4.13	16.6	
Heptachlor epoxide	1	5.72	5.67	5.77	16.9	0
	2	4.87	4.82	4.92	16.9	
gamma-Chlordane	1	5.97	5.92	6.02	16.9	0
	2	5.12	5.07	5.17	16.9	
Endrin	1	6.60	6.55	6.65	15.6	0
	2	5.78	5.73	5.83	15.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03 **Date(s) Analyzed:** 06/03/2025 06/03/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dieldrin	1	6.37	6.32	6.42	0.18	35.1
	2	5.50	5.45	5.55	0.26	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03MS **Date(s) Analyzed:** 06/03/2025 06/03/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.81	6.76	6.86	16.5	3
	2	6.07	6.02	6.12	17.0	
4,4'-DDD	1	6.73	6.68	6.78	17.8	4
	2	5.92	5.87	5.97	17.1	
4,4'-DDT	1	7.05	7.00	7.10	16.3	0
	2	6.18	6.13	6.23	16.3	
Endrin aldehyde	1	6.94	6.89	6.99	16.7	1.8
	2	6.25	6.20	6.30	17.0	
Endosulfan sulfate	1	7.18	7.13	7.23	16.6	1.2
	2	6.47	6.42	6.52	16.8	
Methoxychlor	1	7.52	7.47	7.57	16.5	4.3
	2	6.75	6.70	6.80	15.8	
Endrin ketone	1	7.66	7.61	7.71	17.7	4.6
	2	6.98	6.93	7.03	16.9	
alpha-BHC	1	4.02	3.97	4.07	17.8	2.2
	2	3.40	3.35	3.45	18.2	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	17.7	1.7
	2	3.73	3.68	3.78	18.0	
Heptachlor	1	4.95	4.90	5.00	17.3	1.1
	2	4.08	4.03	4.13	17.5	
Aldrin	1	5.30	5.25	5.35	17.7	1.1
	2	4.37	4.32	4.42	17.9	
beta-BHC	1	4.54	4.49	4.59	17.0	2.9
	2	4.02	3.97	4.07	17.5	
delta-BHC	1	4.79	4.74	4.84	17.5	1.7
	2	4.26	4.21	4.31	17.8	
Heptachlor epoxide	1	5.72	5.67	5.77	17.8	0.6
	2	4.87	4.82	4.92	17.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03MS **Date(s) Analyzed:** 06/03/2025 06/03/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.10	6.05	6.15	17.5	1.1
	2	5.24	5.19	5.29	17.3	
gamma-Chlordane	1	5.97	5.92	6.02	17.6	0
	2	5.12	5.07	5.17	17.6	
alpha-Chlordane	1	6.05	6.00	6.10	17.3	1.1
	2	5.19	5.14	5.24	17.5	
4,4'-DDE	1	6.22	6.17	6.27	16.6	4.1
	2	5.37	5.32	5.42	17.3	
Dieldrin	1	6.37	6.32	6.42	17.7	1.7
	2	5.51	5.46	5.56	17.4	
Endrin	1	6.60	6.55	6.65	16.8	0
	2	5.78	5.73	5.83	16.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03MSD **Date(s) Analyzed:** 06/03/2025 06/03/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.81	6.76	6.86	16.5	3
	2	6.07	6.02	6.12	17.0	
4,4'-DDD	1	6.73	6.68	6.78	17.7	4
	2	5.92	5.87	5.97	17.0	
4,4'-DDT	1	7.05	7.00	7.10	16.3	1.2
	2	6.18	6.13	6.23	16.1	
Endrin aldehyde	1	6.94	6.89	6.99	16.6	2.4
	2	6.25	6.20	6.30	17.0	
Endosulfan sulfate	1	7.18	7.13	7.23	16.8	0.6
	2	6.47	6.42	6.52	16.7	
Methoxychlor	1	7.52	7.47	7.57	16.2	3.1
	2	6.75	6.70	6.80	15.7	
Endrin ketone	1	7.66	7.61	7.71	17.4	2.3
	2	6.98	6.93	7.03	17.0	
alpha-BHC	1	4.02	3.97	4.07	17.6	2.2
	2	3.40	3.35	3.45	18.0	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	17.5	1.7
	2	3.73	3.68	3.78	17.8	
Heptachlor	1	4.95	4.90	5.00	17.0	0.6
	2	4.08	4.03	4.13	17.1	
Aldrin	1	5.30	5.25	5.35	17.6	1.1
	2	4.37	4.32	4.42	17.8	
beta-BHC	1	4.54	4.49	4.59	16.8	2.9
	2	4.03	3.98	4.08	17.3	
delta-BHC	1	4.79	4.74	4.84	17.4	1.1
	2	4.26	4.21	4.31	17.6	
Heptachlor epoxide	1	5.72	5.67	5.77	17.7	0
	2	4.87	4.82	4.92	17.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-03MSD **Date(s) Analyzed:** 06/03/2025 06/03/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.10	6.05	6.15	17.3	0.6
	2	5.24	5.19	5.29	17.2	
gamma-Chlordane	1	5.97	5.92	6.02	17.6	0.6
	2	5.12	5.07	5.17	17.5	
alpha-Chlordane	1	6.05	6.00	6.10	17.2	1.2
	2	5.19	5.14	5.24	17.4	
4,4'-DDE	1	6.22	6.17	6.27	16.9	0.6
	2	5.37	5.32	5.42	17.0	
Dieldrin	1	6.37	6.32	6.42	17.6	1.7
	2	5.51	5.46	5.56	17.3	
Endrin	1	6.60	6.55	6.65	16.7	1.2
	2	5.78	5.73	5.83	16.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-26

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2176-04 **Date(s) Analyzed:** 06/03/2025 06/03/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.97	5.92	6.02	2.90	46.8
	2	5.12	5.07	5.17	1.80	
alpha-Chlordane	1	6.06	6.01	6.11	5.10	75.7
	2	5.18	5.13	5.23	2.30	
4,4'-DDE	1	6.22	6.17	6.27	1.20	15.4
	2	5.37	5.32	5.42	1.40	

QC SAMPLE DATA

Raw Data: **PL095881.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168253BL	SDG No.:	Q2176
Lab Sample ID:	PB168253BL	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
PL095881.D	1	06/03/25 09:30	06/03/25 12:49	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		20 - 144	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		19 - 148	104%	SPK: 20

Raw Data: **PL095881.D**

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168253BL	SDG No.:	Q2176
Lab Sample ID:	PB168253BL	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
PL095881.D	1	06/03/25 09:30	06/03/25 12:49	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095881.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 12:49
Operator : AR\AJ
Sample : PB168253BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168253BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.577	2.880	65666280	75574283	20.812	19.309
28)	SA Decachlor...	9.107	8.058	48912996	83892291	20.758	19.178
	Target Compounds						

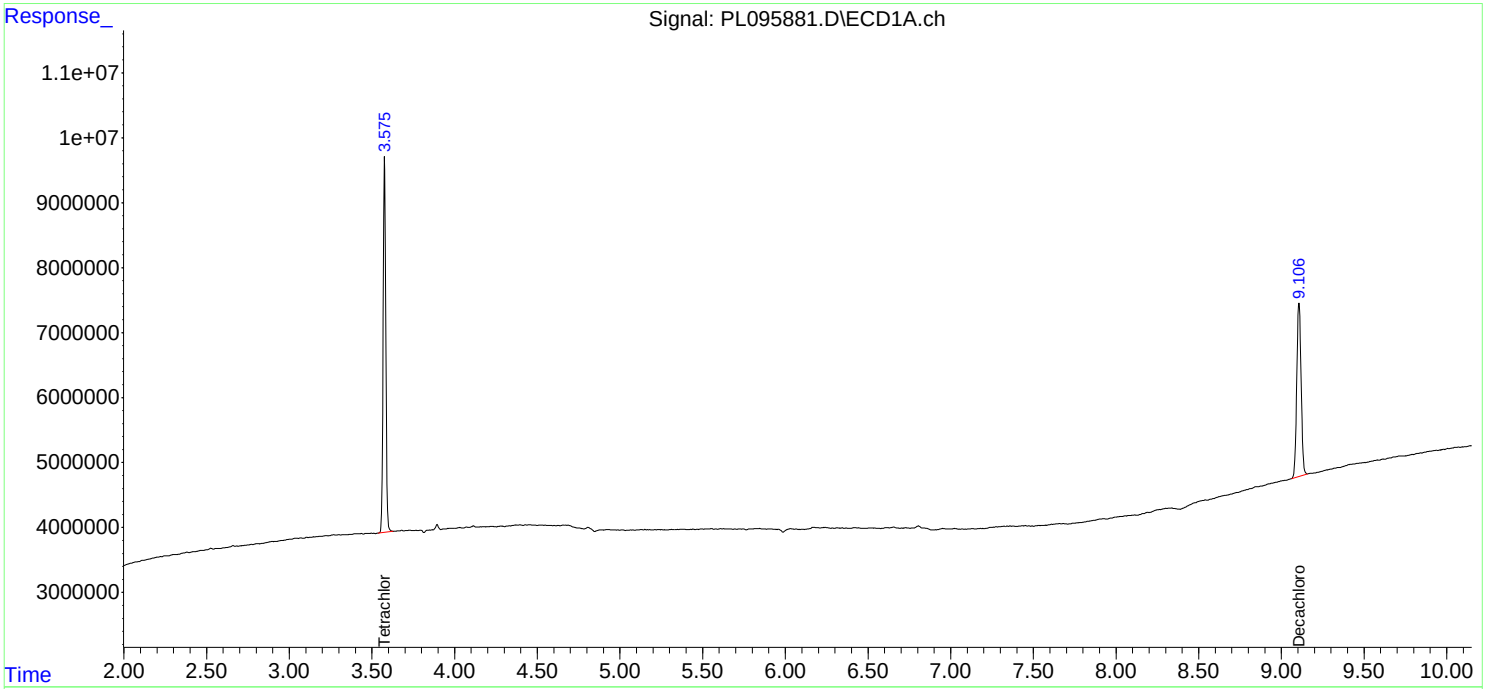
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

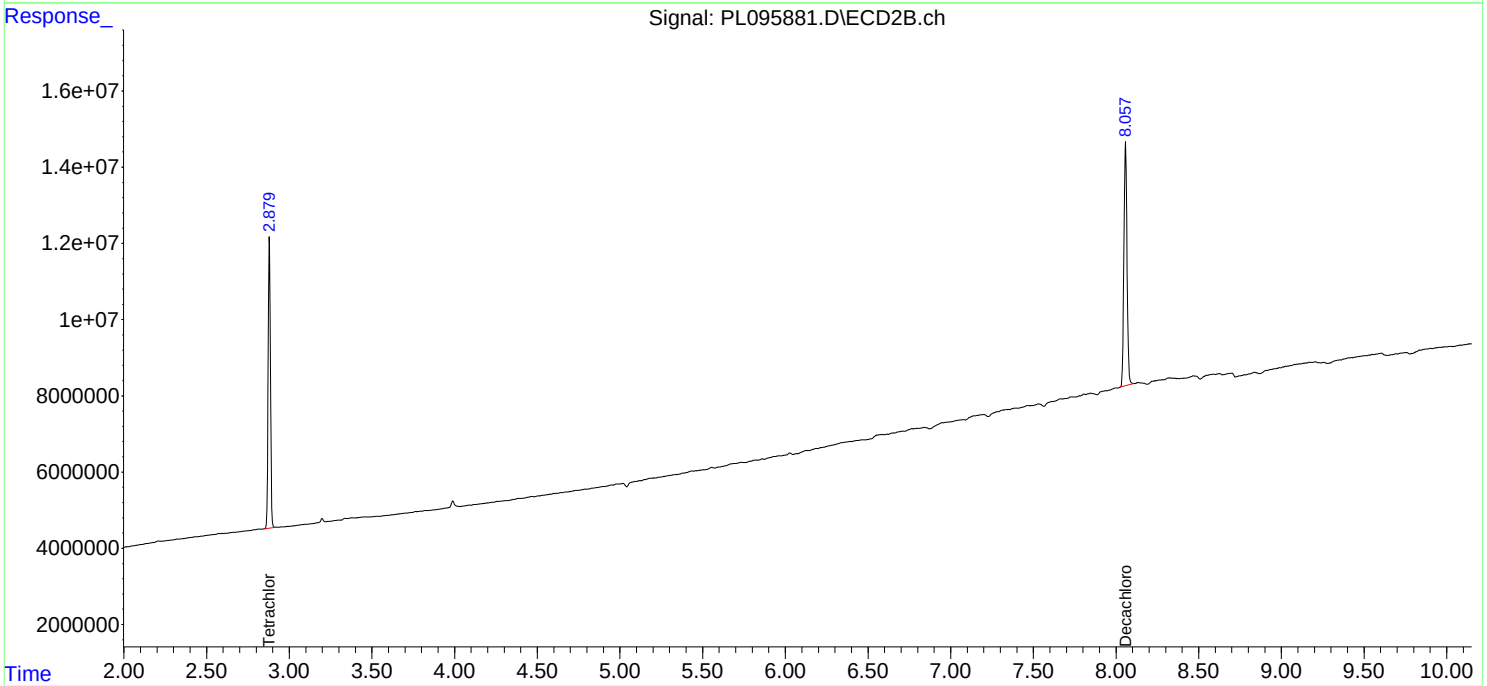
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 12:49
Operator : AR\AJ
Sample : PB168253BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

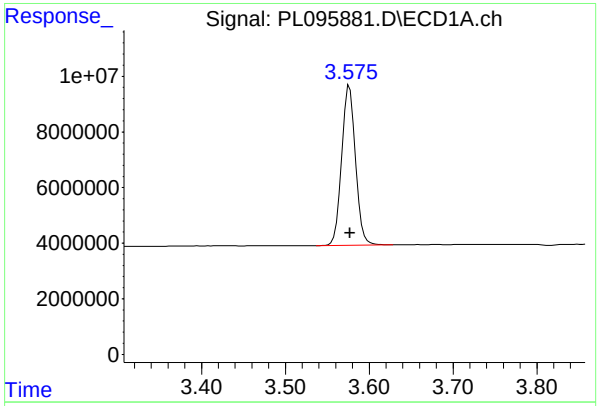
Instrument :
ECD_L
ClientSampleId :
PB168253BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



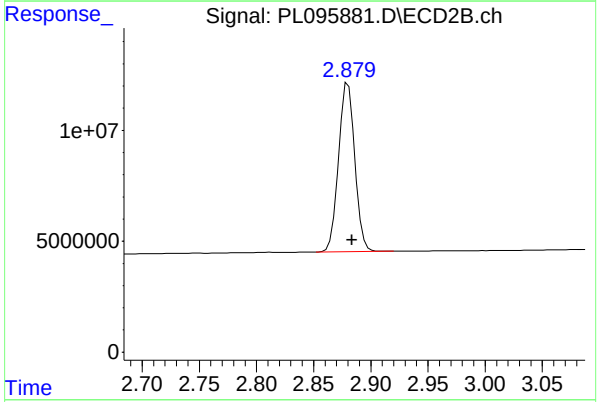




#1 Tetrachloro-m-xylene

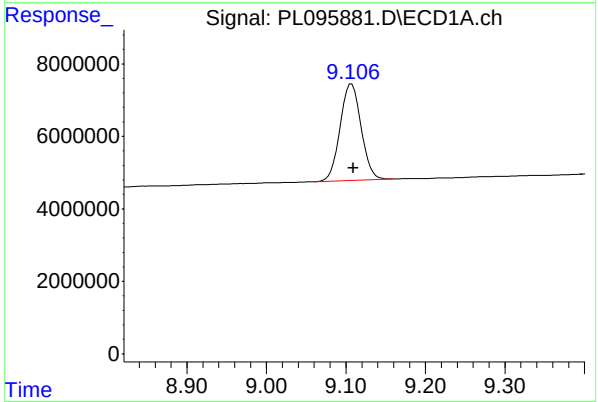
R.T.: 3.577 min
Delta R.T.: 0.000 min
Response: 65666280
Conc: 20.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168253BL



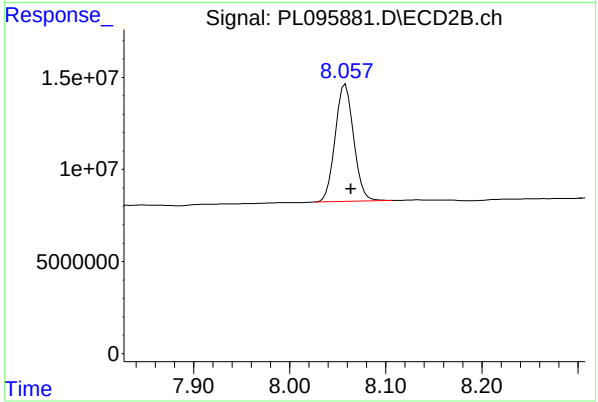
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.003 min
Response: 75574283
Conc: 19.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.107 min
Delta R.T.: -0.002 min
Response: 48912996
Conc: 20.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 83892291
Conc: 19.18 ng/ml

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/21/25
Project:	South River WM Replacement	Date Received:	05/21/25
Client Sample ID:	PIBLK-PL095732.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095732.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
PL095732.D	1		05/21/25	PL052125

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	16.4		61 - 148	82%	SPK: 20

Raw Data: **PL095732.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/21/25
Project:	South River WM Replacement	Date Received:	05/21/25
Client Sample ID:	PIBLK-PL095732.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095732.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
PL095732.D	1		05/21/25	PL052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095732.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 10:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.886	51602531	62467417	16.354	15.960
28)	SA Decachlor...	9.102	8.063	42816238	76669642	18.171	17.527
	Target Compounds						

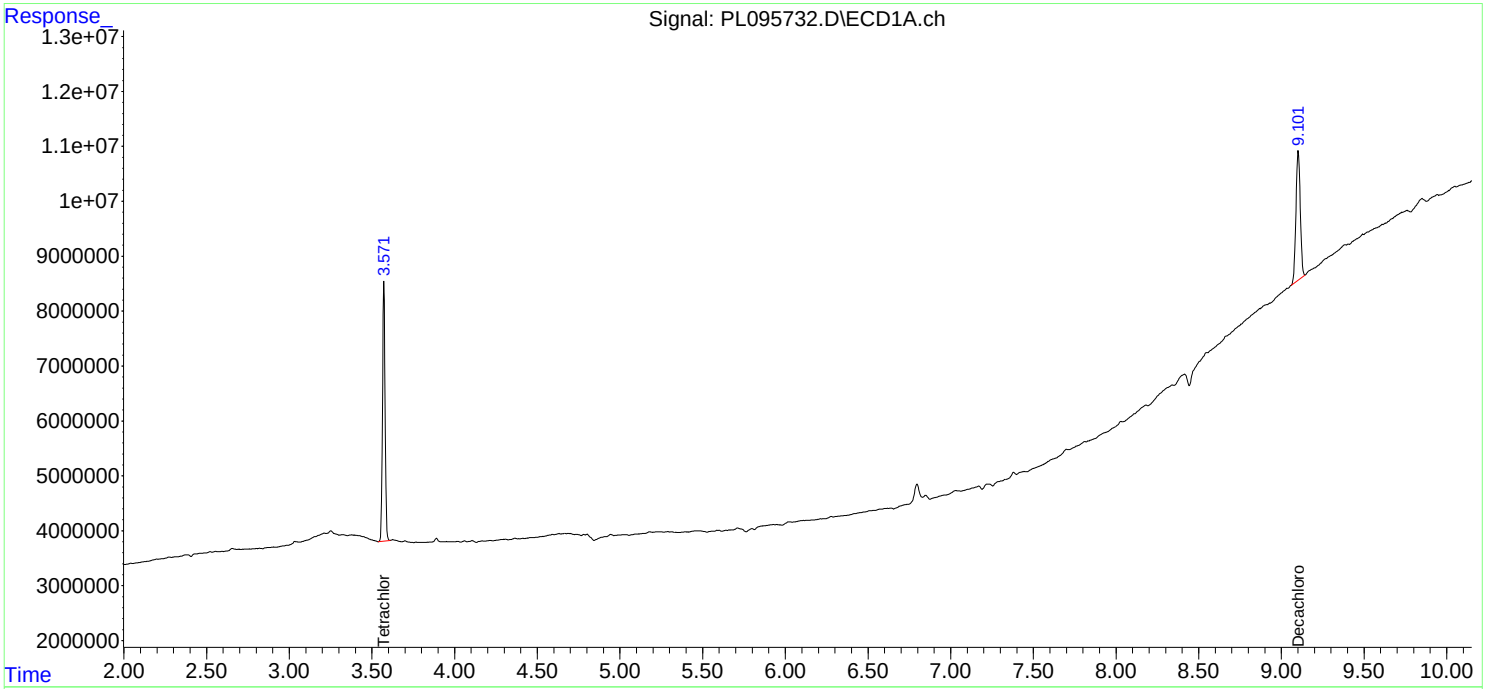
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

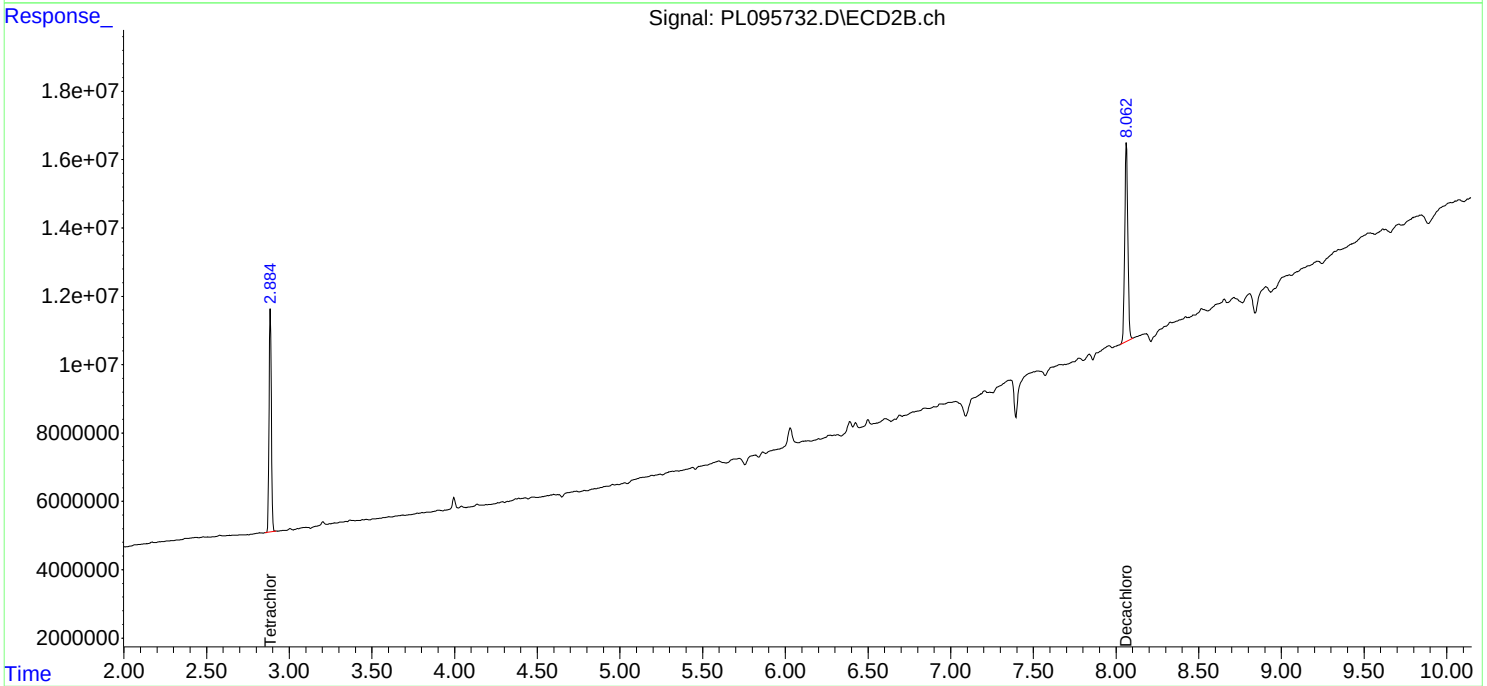
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 10:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

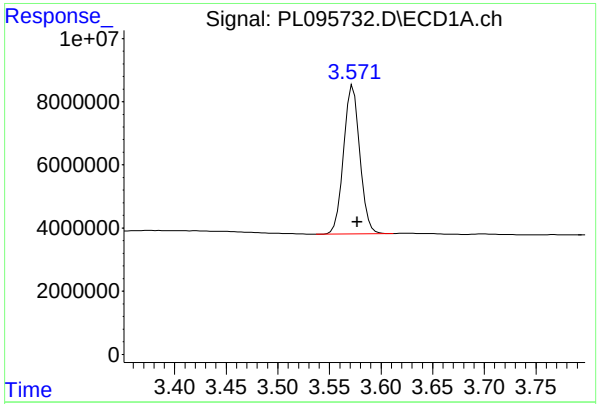
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



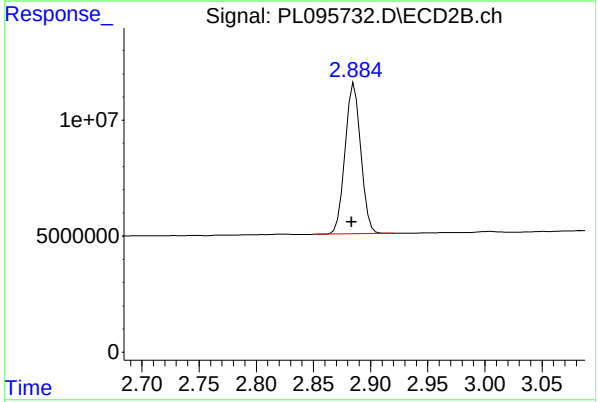




#1 Tetrachloro-m-xylene

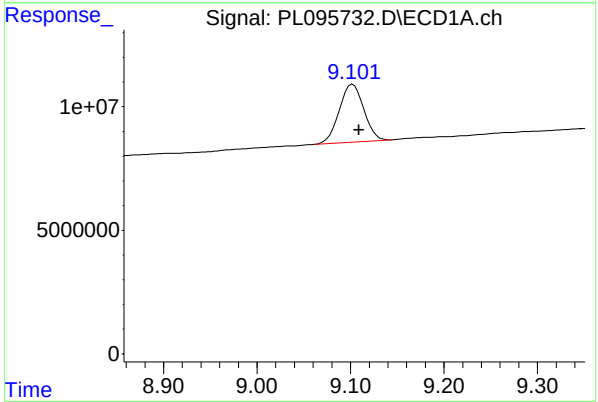
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 51602531
Conc: 16.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



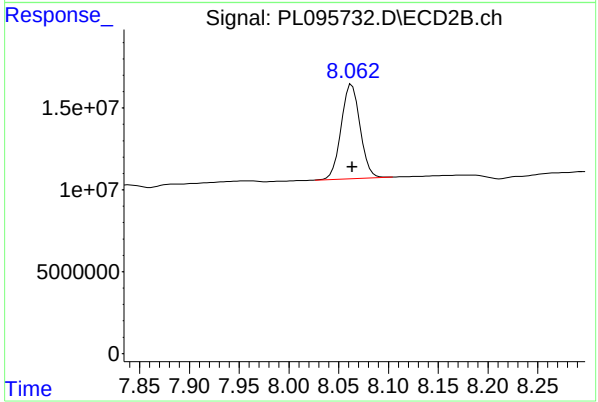
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 62467417
Conc: 15.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.102 min
Delta R.T.: -0.006 min
Response: 42816238
Conc: 18.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 76669642
Conc: 17.53 ng/ml

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095878.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095878.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
PL095878.D	1		06/03/25	pl060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		57 - 171	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		61 - 148	123%	SPK: 20

Raw Data: **PL095878.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095878.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095878.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
PL095878.D	1		06/03/25	pl060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095878.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 09:28
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:34:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.573	2.885	77317422	89918074	24.504	22.974
28)	SA Decachlor...	9.099	8.059	54795119	97178232	23.254	22.215
	Target Compounds						

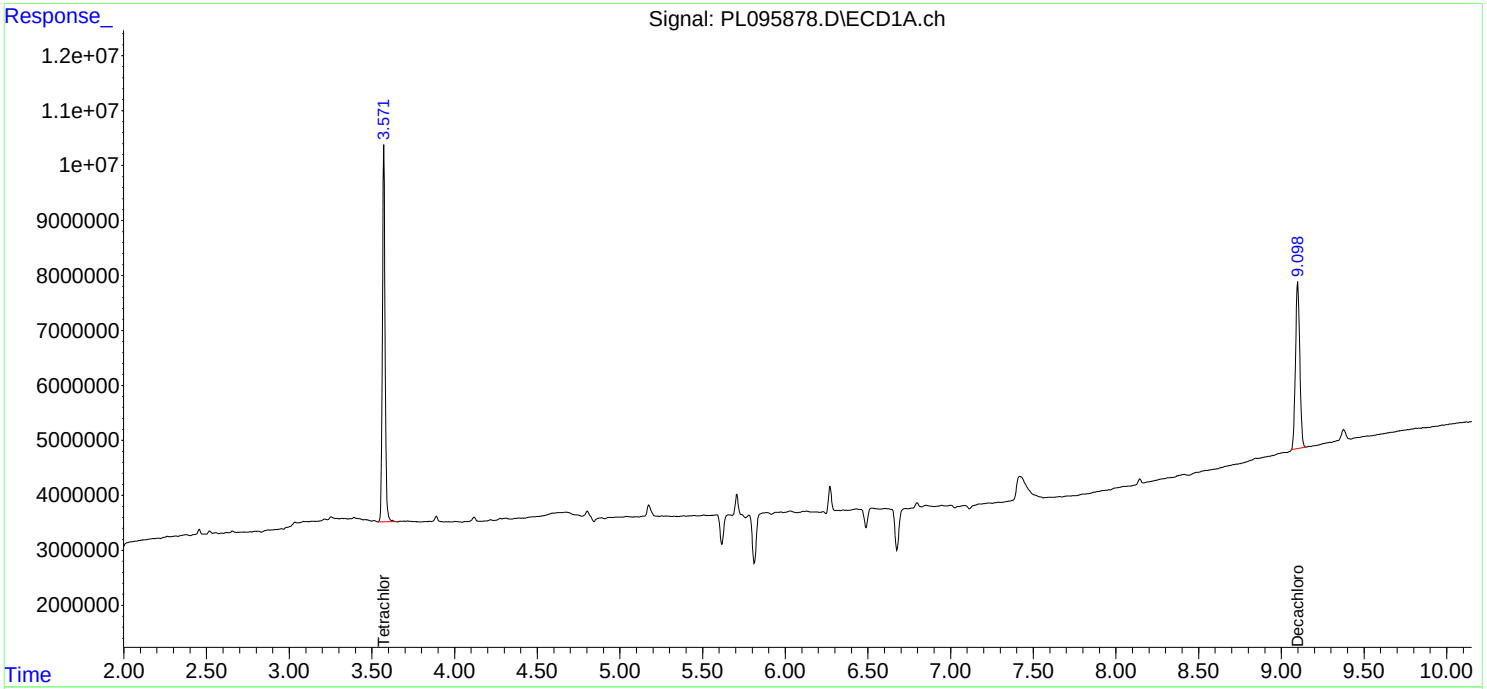
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

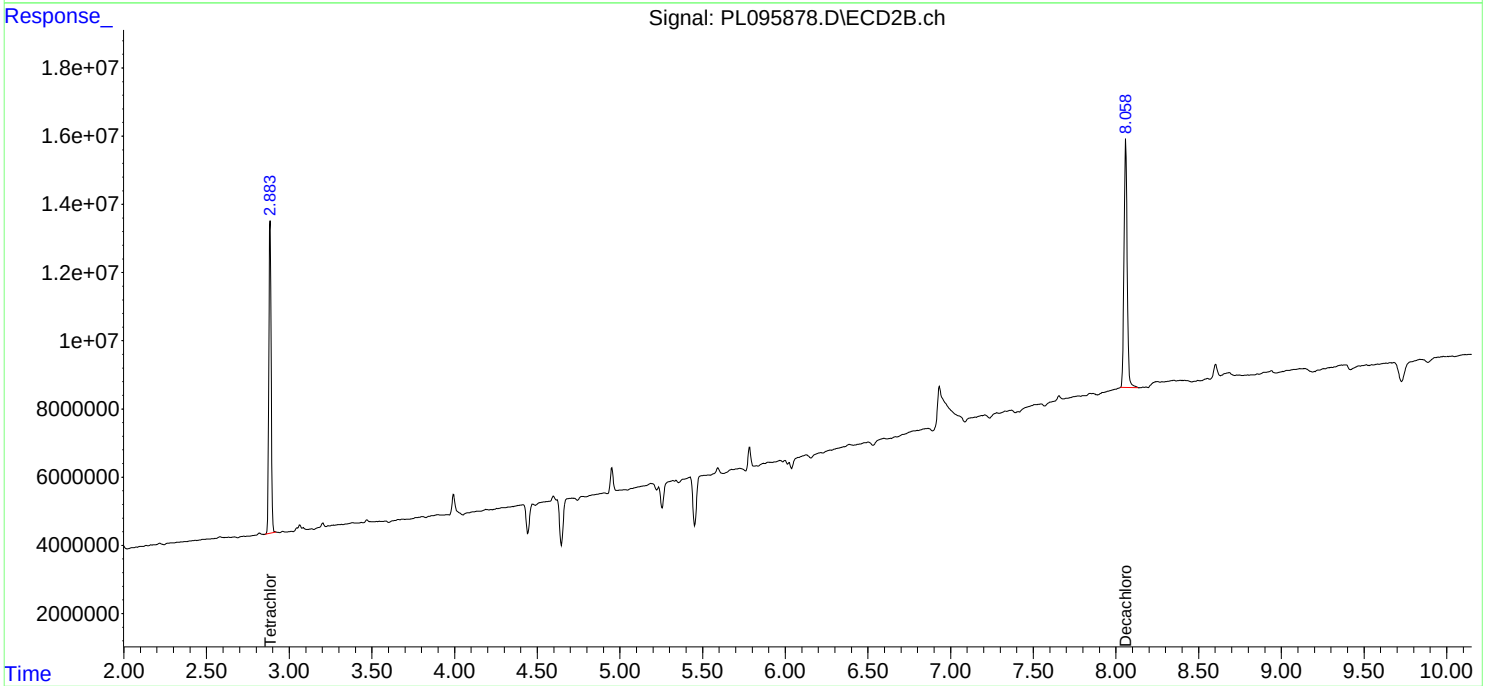
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 09:28
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

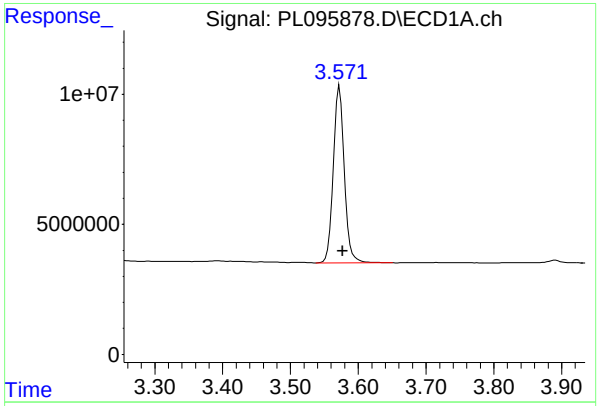
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:34:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



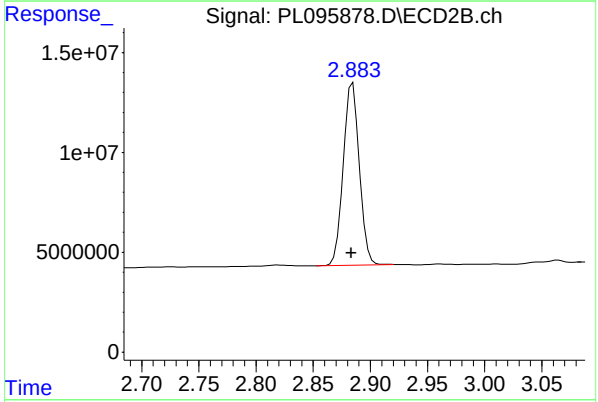




#1 Tetrachloro-m-xylene

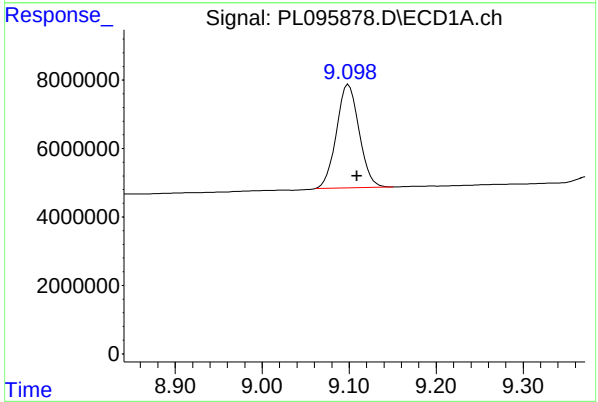
R.T.: 3.573 min
Delta R.T.: -0.004 mi
Response: 77317422
Conc: 24.50 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



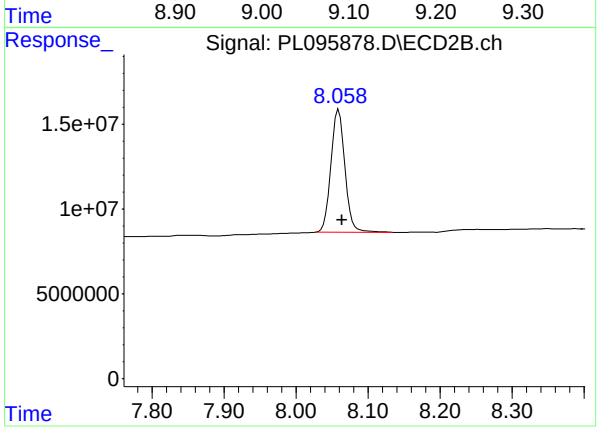
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.001 min
Response: 89918074
Conc: 22.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 54795119
Conc: 23.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 97178232
Conc: 22.21 ng/ml

Raw Data: **PL095896.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095896.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095896.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
PL095896.D	1		06/03/25	pl060325

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	19.8		57 - 171	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		61 - 148	115%	SPK: 20

Raw Data: **PL095896.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095896.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095896.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
PL095896.D	1		06/03/25	pl060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095896.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:38:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.572	2.885	71292786	90140102	22.595	23.031
28)	SA Decachlor...	9.098	8.059	46689778	78387092	19.815	17.919
	Target Compounds						

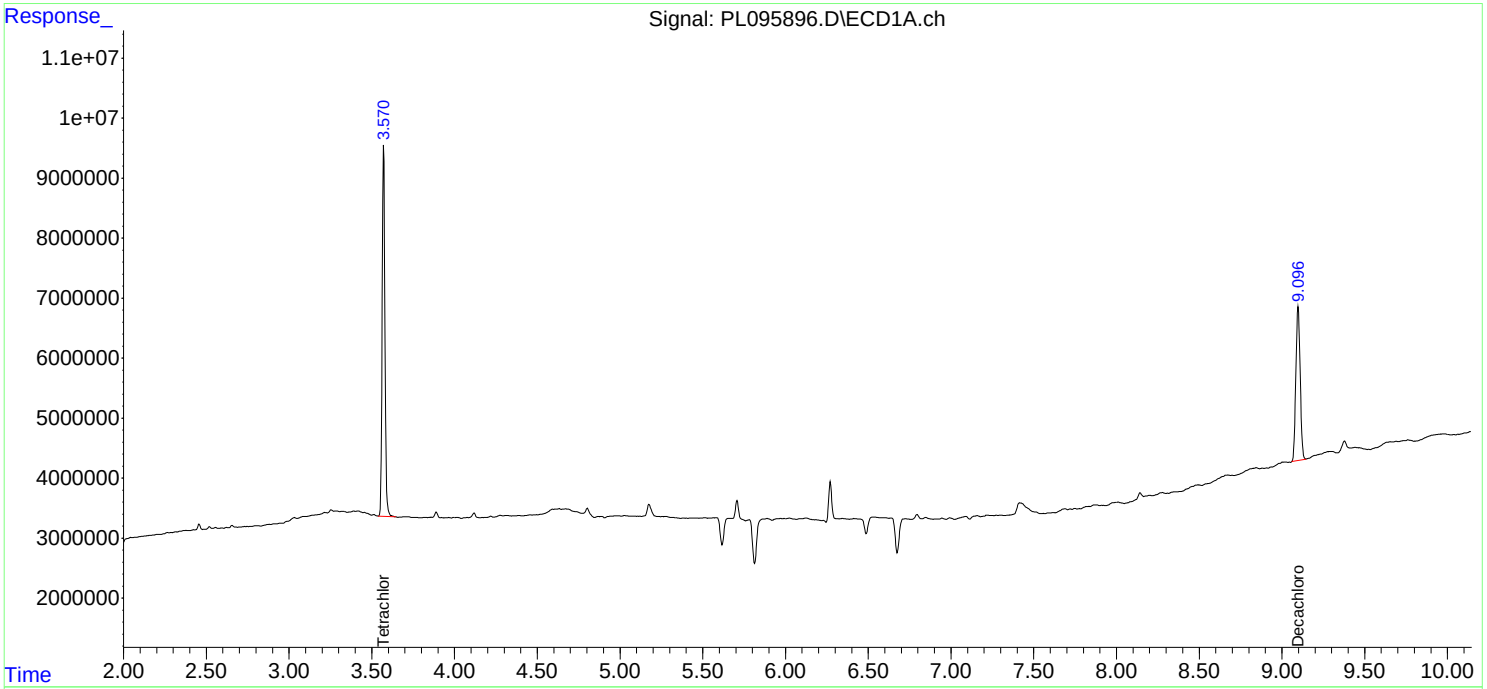
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

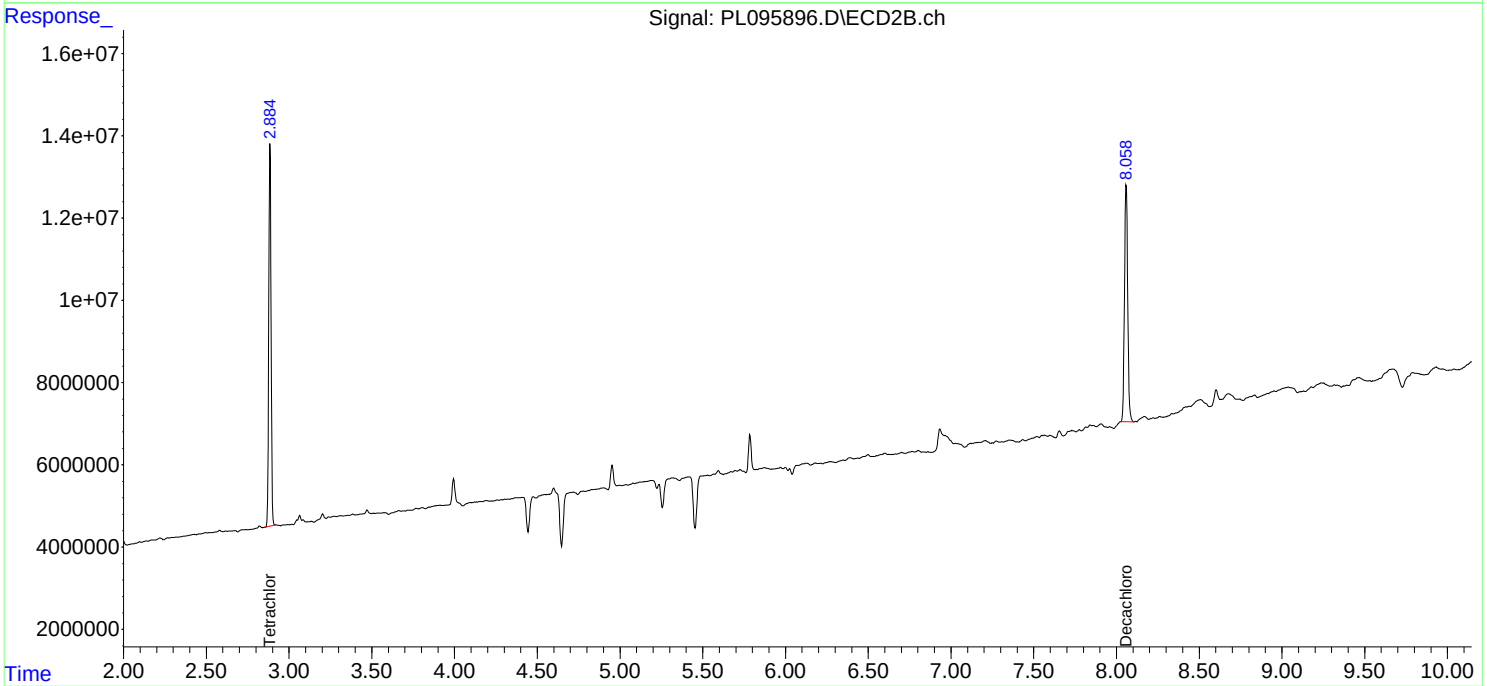
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

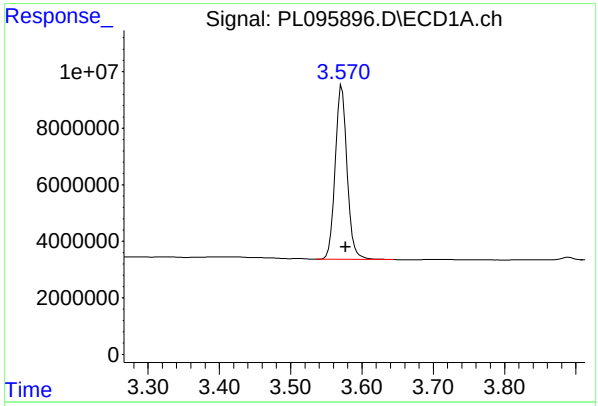
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:38:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



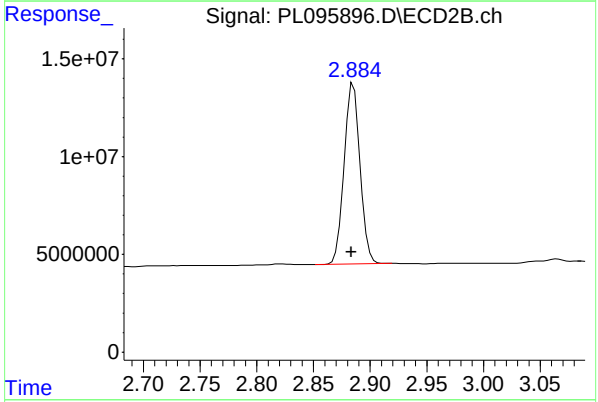




#1 Tetrachloro-m-xylene

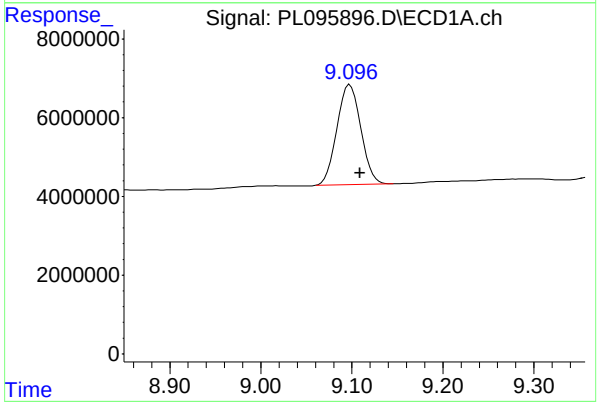
R.T.: 3.572 min
Delta R.T.: -0.005 mi
Response: 71292786
Conc: 22.59 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



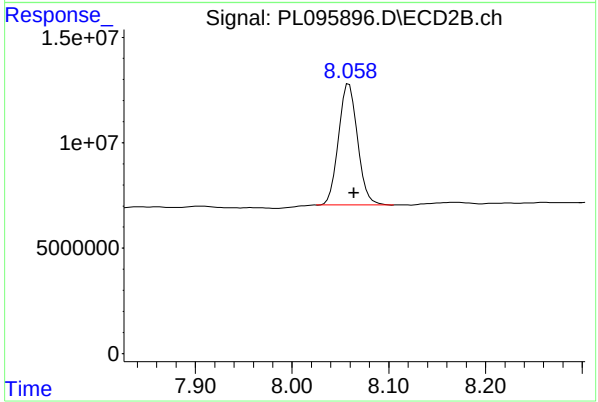
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 90140102
Conc: 23.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 46689778
Conc: 19.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 78387092
Conc: 17.92 ng/ml

Raw Data: **PL095882.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168253BS	SDG No.:	Q2176
Lab Sample ID:	PB168253BS	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
PL095882.D	1	06/03/25 09:30	06/03/25 13:03	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.0		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.4		0.18	1.70	ug/kg
319-86-8	delta-BHC	16.8		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.14	1.70	ug/kg
76-44-8	Heptachlor	16.6		0.12	1.70	ug/kg
309-00-2	Aldrin	17.0		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.9		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.8		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.0		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.6		0.14	1.70	ug/kg
72-20-8	Endrin	15.6		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.5		0.29	1.70	ug/kg
72-54-8	4,4-DDD	17.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.5		0.13	1.70	ug/kg
50-29-3	4,4-DDT	15.6		0.14	1.70	ug/kg
72-43-5	Methoxychlor	15.6		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.9		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.6		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.7		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.9		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		19 - 148	101%	SPK: 20

Raw Data: **PL095882.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168253BS	SDG No.:	Q2176
Lab Sample ID:	PB168253BS	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
PL095882.D	1	06/03/25 09:30	06/03/25 13:03	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095882.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:03
Operator : AR\AJ
Sample : PB168253BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168253BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.572	2.884	63766539	75258967	20.210	19.228
28) SA	Decachlor...	9.099	8.059	46966644	85473932	19.932	19.539
	Target Compounds						
2) A	alpha-BHC	4.024	3.394	244.9E6	298.2E6	50.509	50.912
3) MA	gamma-BHC...	4.355	3.727	225.3E6	283.7E6	50.391	50.645
4) MA	Heptachlor	4.953	4.080	186.0E6	278.9E6	49.146	49.728
5) MB	Aldrin	5.296	4.365	218.7E6	271.6E6	51.124	51.170
6) B	beta-BHC	4.543	4.023	97203413	121.9E6	49.308	49.193
7) B	delta-BHC	4.791	4.258	220.4E6	284.3E6	49.701	50.339
8) B	Heptachlo...	5.716	4.866	193.8E6	250.3E6	50.769	50.691
9) A	Endosulfan I	6.100	5.239	184.4E6	240.7E6	50.304	50.521
10) B	gamma-Chl...	5.970	5.119	197.0E6	266.6E6	50.625	50.757
11) B	alpha-Chl...	6.052	5.183	198.2E6	261.3E6	50.204	50.225
12) B	4,4'-DDE	6.222	5.369	182.9E6	262.6E6	49.856	48.969
13) MA	Dieldrin	6.373	5.503	196.6E6	263.7E6	50.935	49.759
14) MA	Endrin	6.600	5.778	150.9E6	228.6E6	46.771	46.885
15) B	Endosulfa...	6.813	6.069	162.5E6	235.4E6	47.148	49.533
16) A	4,4'-DDD	6.732	5.922	147.2E6	224.9E6	50.218	51.292
17) MA	4,4'-DDT	7.047	6.175	126.6E6	216.4E6	46.801	45.238
18) B	Endrin al...	6.942	6.247	120.5E6	172.1E6	49.862	49.832
19) B	Endosulfa...	7.176	6.470	146.7E6	222.1E6	49.114	49.414
20) A	Methoxychlor	7.520	6.745	59738247	113.3E6	46.842	43.306
21) B	Endrin ke...	7.657	6.975	160.1E6	262.6E6	50.542	50.747
22)	Mirex	8.138	7.169	114.6E6	199.1E6	49.513	49.033

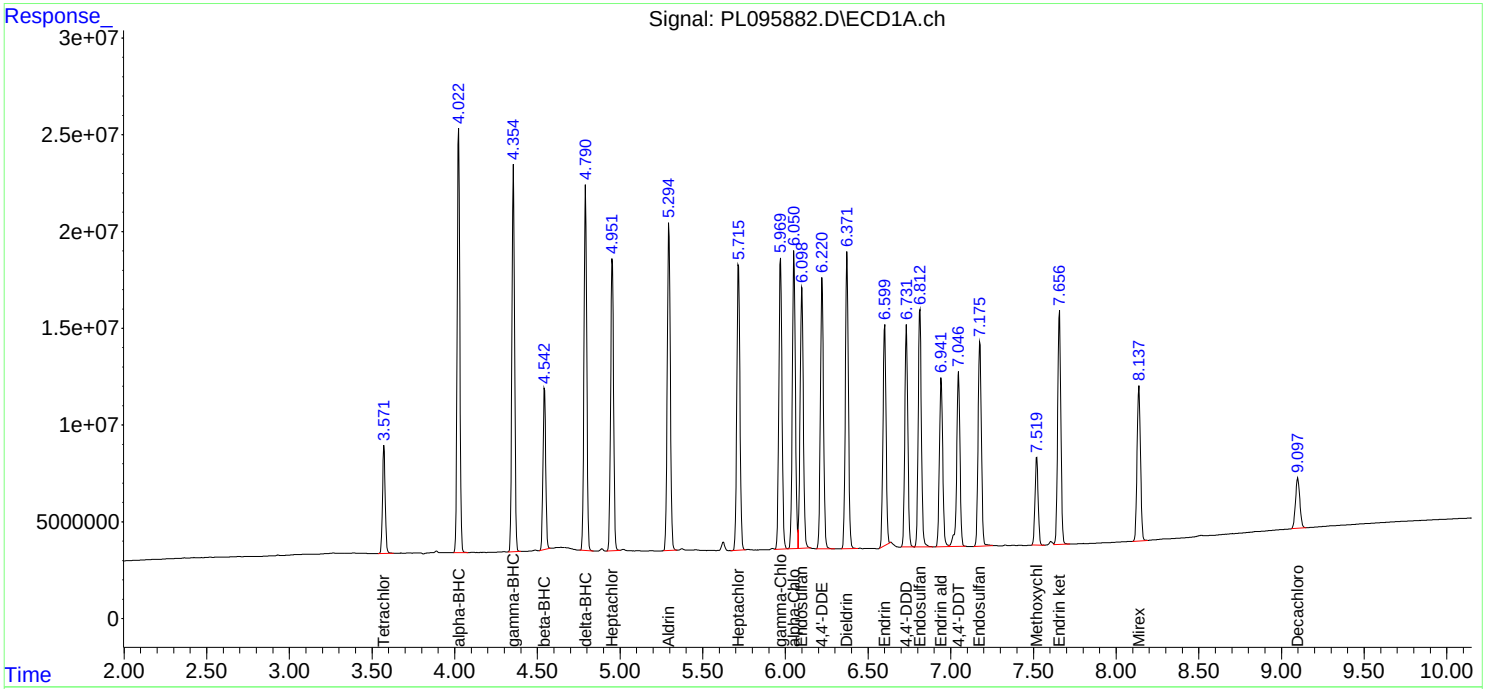
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

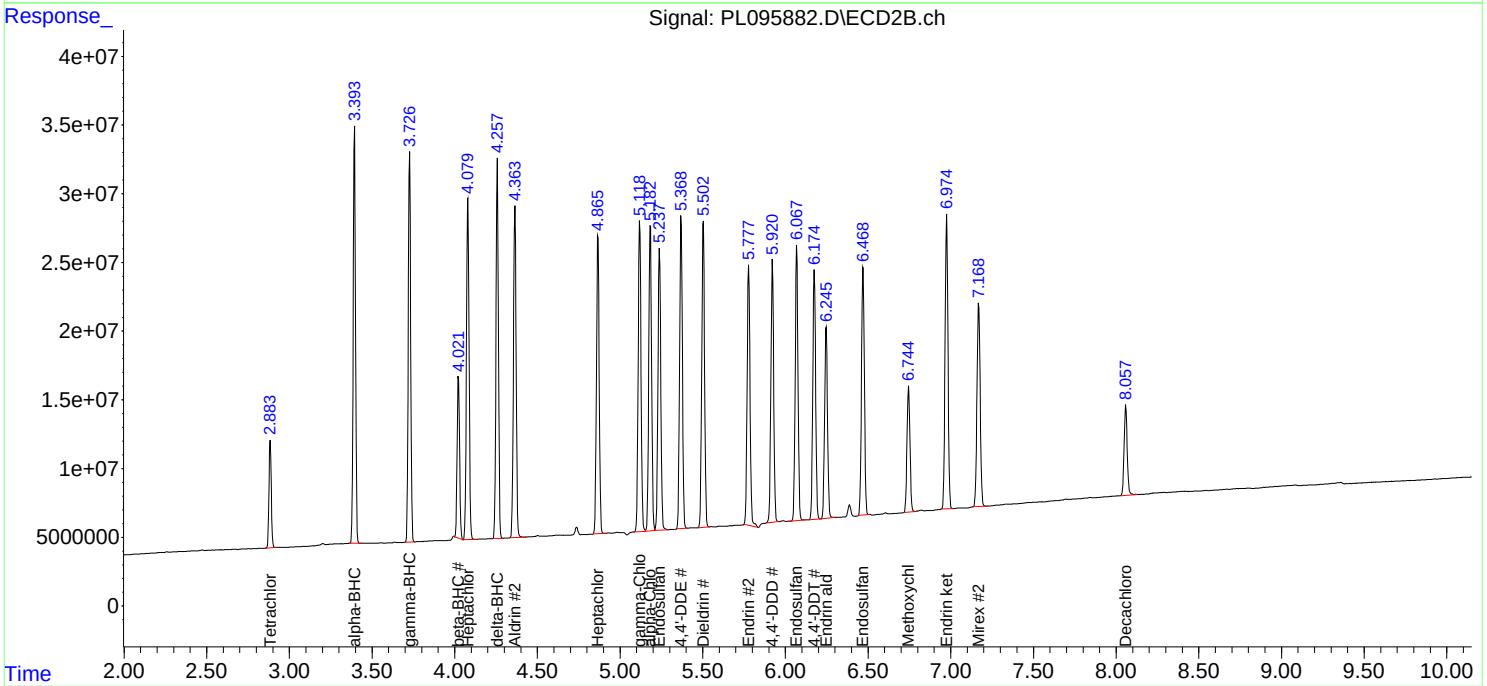
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:03
Operator : AR\AJ
Sample : PB168253BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168253BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL095888.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MS	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095888.D	1	06/03/25 09:30	06/03/25 14:55	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.2		0.15	2.00	ug/kg
319-85-7	beta-BHC	17.5		0.21	2.00	ug/kg
319-86-8	delta-BHC	17.8		0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	18.0		0.16	2.00	ug/kg
76-44-8	Heptachlor	17.5		0.14	2.00	ug/kg
309-00-2	Aldrin	17.9		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.8		0.22	2.00	ug/kg
959-98-8	Endosulfan I	17.5		0.16	2.00	ug/kg
60-57-1	Dieldrin	17.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	17.3		0.16	2.00	ug/kg
72-20-8	Endrin	16.8		0.16	2.00	ug/kg
33213-65-9	Endosulfan II	17.0		0.34	2.00	ug/kg
72-54-8	4,4-DDD	17.8		0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.3		0.16	2.00	ug/kg
72-43-5	Methoxychlor	16.5		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	17.7		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.0		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.5		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.6		0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.5		20 - 144	58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.8		19 - 148	79%	SPK: 20

Raw Data: **PL095888.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MS	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095888.D	1	06/03/25 09:30	06/03/25 14:55	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095888.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:55
Operator : AR\AJ
Sample : Q2176-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-25MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 04:15:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.571	2.886	49712611	59132920	15.755m	15.108
28)	SA	Decachlor...	9.098	8.060	27112585	49913230	11.506	11.410
		Target Compounds						
2)	A	alpha-BHC	4.024	3.396	221.9E6	274.1E6	45.770	46.795
3)	MA	gamma-BHC...	4.355	3.729	203.7E6	259.2E6	45.553	46.279
4)	MA	Heptachlor	4.953	4.082	168.3E6	251.9E6	44.476	44.914
5)	MB	Aldrin	5.296	4.366	195.2E6	245.0E6	45.624	46.160
6)	B	beta-BHC	4.543	4.024	86155875	111.3E6	43.704	44.922
7)	B	delta-BHC	4.791	4.260	200.0E6	259.1E6	45.114	45.877
8)	B	Heptachlo...	5.717	4.868	174.6E6	225.5E6	45.732	45.677
9)	A	Endosulfan I	6.100	5.240	164.6E6	211.9E6	44.914	44.474
10)	B	gamma-Chl...	5.971	5.121	176.7E6	238.0E6	45.405	45.319
11)	B	alpha-Chl...	6.052	5.185	175.3E6	234.6E6	44.412	45.085
12)	B	4,4'-DDE	6.223	5.371	157.1E6	238.9E6	42.836	44.561
13)	MA	Dieldrin	6.373	5.505	175.4E6	236.7E6	45.454	44.656
14)	MA	Endrin	6.600	5.780	139.3E6	211.0E6	43.183	43.268
15)	B	Endosulfa...	6.814	6.071	146.2E6	208.4E6	42.427	43.862
16)	A	4,4'-DDD	6.733	5.924	134.0E6	193.1E6	45.726	44.036
17)	MA	4,4'-DDT	7.048	6.177	113.7E6	200.1E6	42.037	41.831
18)	B	Endrin al...	6.942	6.248	103.7E6	150.8E6	42.897	43.655
19)	B	Endosulfa...	7.176	6.472	127.5E6	194.1E6	42.700	43.190
20)	A	Methoxychlor	7.520	6.747	54017272	106.4E6	42.356	40.661
21)	B	Endrin ke...	7.656	6.977	144.3E6	224.7E6	45.551m	43.439
22)		Mirex	8.139	7.171	104.3E6	174.4E6	45.082	42.962

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:55
Operator : AR\AJ
Sample : Q2176-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

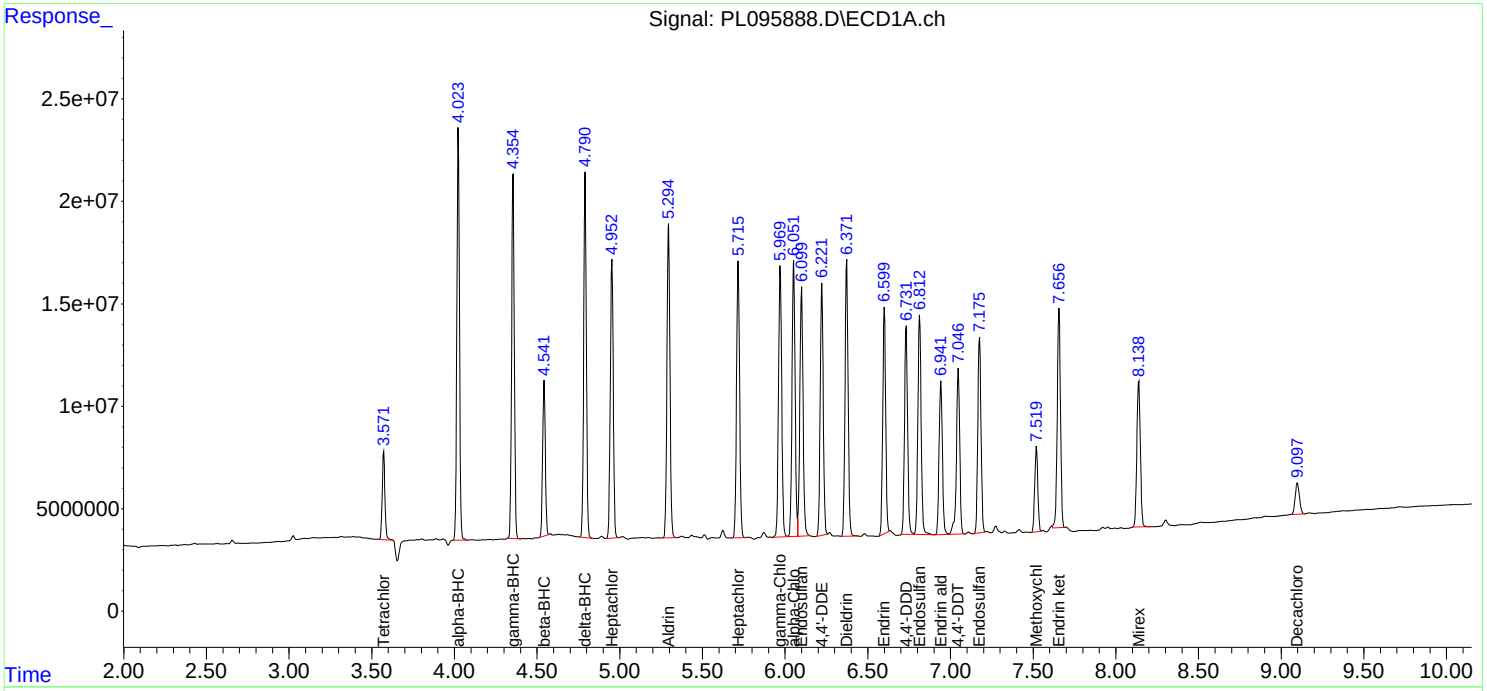
Instrument :
ECD_L
ClientSampleId :
TP-25MS

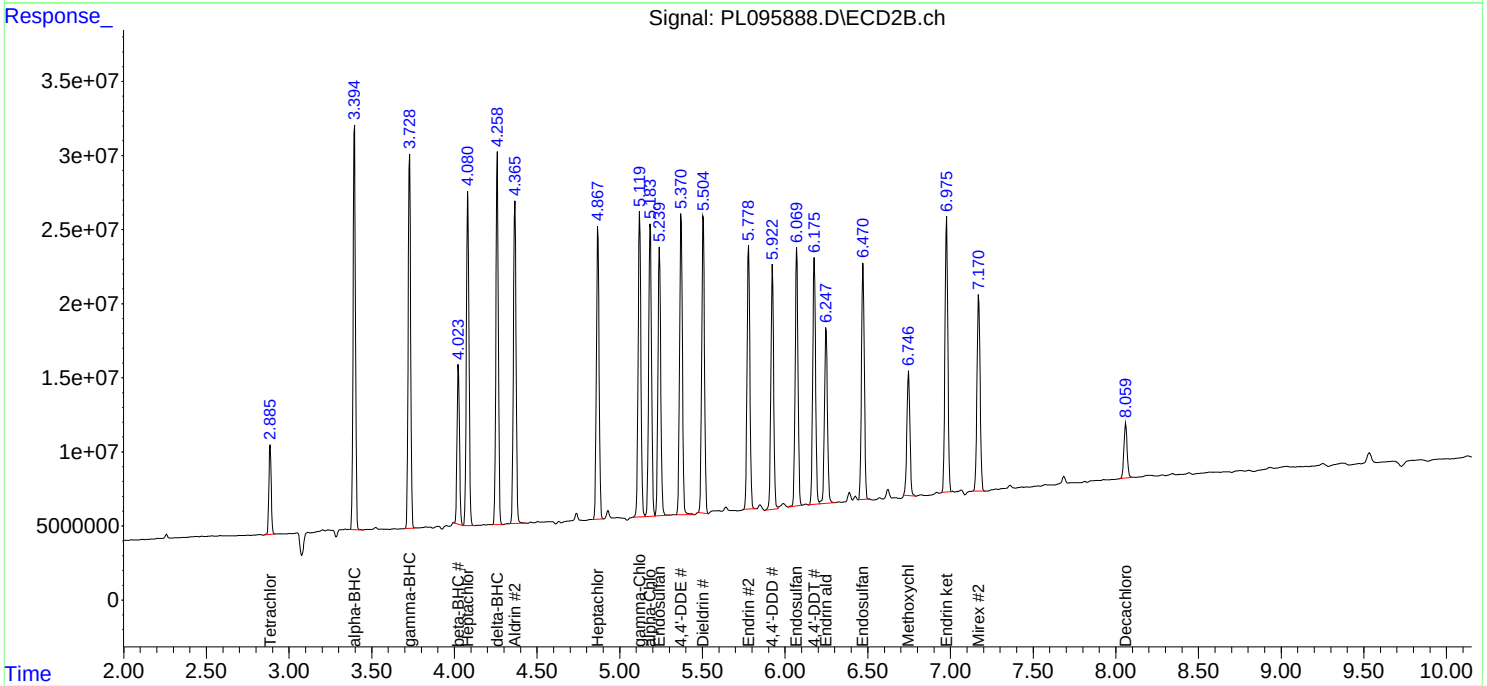
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 04:15:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL095889.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MSD	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 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
PL095889.D	1	06/03/25 09:30	06/03/25 15:09	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.0		0.15	2.00	ug/kg
319-85-7	beta-BHC	17.3		0.21	2.00	ug/kg
319-86-8	delta-BHC	17.6		0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	17.8		0.16	2.00	ug/kg
76-44-8	Heptachlor	17.1		0.14	2.00	ug/kg
309-00-2	Aldrin	17.8		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.7		0.22	2.00	ug/kg
959-98-8	Endosulfan I	17.3		0.16	2.00	ug/kg
60-57-1	Dieldrin	17.6		0.16	2.00	ug/kg
72-55-9	4,4-DDE	17.0		0.16	2.00	ug/kg
72-20-8	Endrin	16.7		0.16	2.00	ug/kg
33213-65-9	Endosulfan II	17.0		0.34	2.00	ug/kg
72-54-8	4,4-DDD	17.7		0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.3		0.16	2.00	ug/kg
72-43-5	Methoxychlor	16.2		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	17.4		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.0		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.6		0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.5		20 - 144	57%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.4		19 - 148	77%	SPK: 20

Raw Data: **PL095889.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MSD	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 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
PL095889.D	1	06/03/25 09:30	06/03/25 15:09	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095889.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:09
Operator : AR\AJ
Sample : Q2176-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-25MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.572	2.886	48534351	57897501	15.382m	14.793
28)	SA	Decachlor...	9.098	8.060	27002635	49888927	11.460	11.405
		Target Compounds						
2)	A	alpha-BHC	4.024	3.395	219.5E6	271.7E6	45.275	46.384
3)	MA	gamma-BHC...	4.356	3.729	201.2E6	256.3E6	44.992	45.761
4)	MA	Heptachlor	4.953	4.082	166.0E6	248.0E6	43.864	44.215
5)	MB	Aldrin	5.296	4.366	194.1E6	243.3E6	45.378	45.848
6)	B	beta-BHC	4.543	4.025	85340884	110.6E6	43.290	44.623
7)	B	delta-BHC	4.791	4.260	198.5E6	256.6E6	44.763	45.446
8)	B	Heptachlo...	5.717	4.868	173.7E6	225.1E6	45.502	45.600
9)	A	Endosulfan I	6.100	5.240	163.9E6	210.9E6	44.721	44.251
10)	B	gamma-Chl...	5.971	5.121	176.8E6	237.2E6	45.428	45.167
11)	B	alpha-Chl...	6.052	5.185	174.9E6	233.2E6	44.302	44.819
12)	B	4,4'-DDE	6.223	5.372	160.0E6	235.2E6	43.616	43.859
13)	MA	Dieldrin	6.373	5.505	175.0E6	235.8E6	45.351	44.485
14)	MA	Endrin	6.600	5.780	139.3E6	207.9E6	43.174	42.635
15)	B	Endosulfa...	6.813	6.071	146.5E6	208.4E6	42.510	43.866
16)	A	4,4'-DDD	6.732	5.923	133.7E6	192.2E6	45.611	43.836
17)	MA	4,4'-DDT	7.047	6.177	113.4E6	198.2E6	41.927	41.452
18)	B	Endrin al...	6.942	6.249	103.3E6	151.6E6	42.738	43.899
19)	B	Endosulfa...	7.176	6.472	129.2E6	194.0E6	43.253	43.158
20)	A	Methoxychlor	7.520	6.747	53117302	105.9E6	41.650	40.467
21)	B	Endrin ke...	7.656	6.977	141.8E6	226.1E6	44.761m	43.701
22)		Mirex	8.138	7.171	103.5E6	174.4E6	44.714	42.941

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:09
Operator : AR\AJ
Sample : Q2176-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

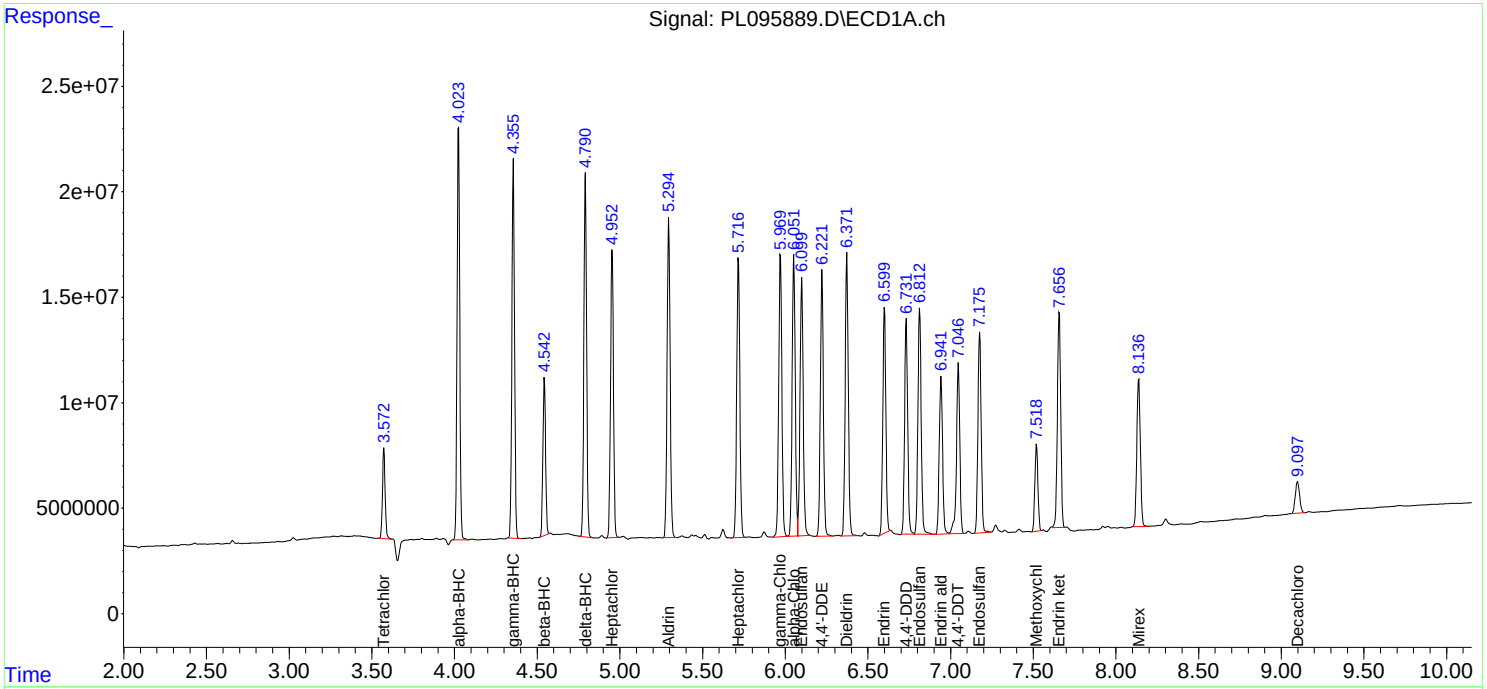
Instrument :
ECD_L
ClientSampleId :
TP-25MSD

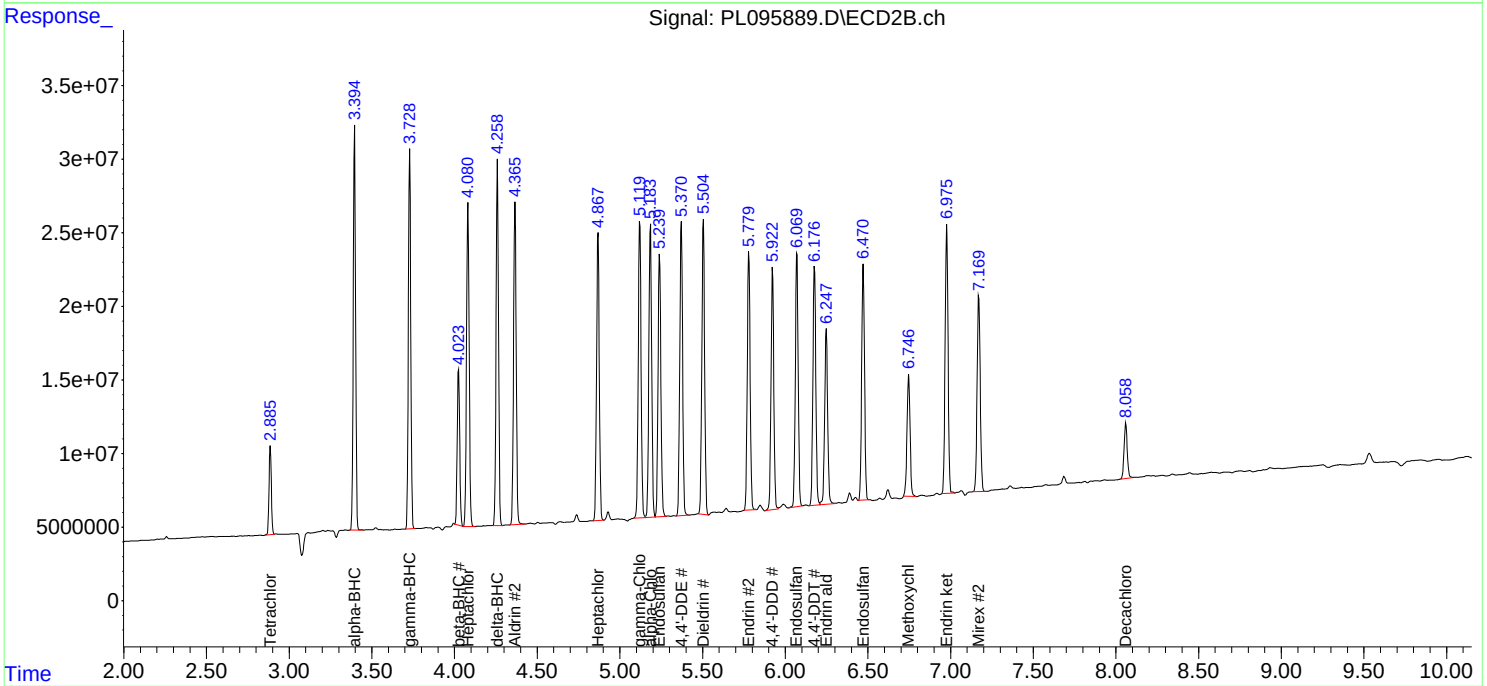
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Manual Integration Report

Sequence:	PL052125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095733.D	4,4"-DDD	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	4,4"-DDD #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	beta-BHC #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endosulfan I #2	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endrin ketone	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC025	PL095738.D	Endrin ketone	Abdul	5/22/2025 8:03:56 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	beta-BHC #2	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endosulfan II	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endrin ketone	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL052125	Instrument	ECD_I

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

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

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095879.D	4,4"-DDD	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endosulfan II #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endrin #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-01	PL095885.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:05 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-02	PL095886.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:09 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03	PL095887.D	Dieldrin	Abdul	6/4/2025 9:56:13 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03	PL095887.D	Dieldrin #2	Abdul	6/4/2025 9:56:13 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03	PL095887.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:13 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03MS	PL095888.D	Endrin ketone	Abdul	6/4/2025 9:56:17 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03MS	PL095888.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:17 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2176-03MSD	PL095889.D	Endrin ketone	Abdul	6/4/2025 9:57:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03MSD	PL095889.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:57:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	4,4"-DDE	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	4,4"-DDE #2	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	alpha-Chlordane #2	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	gamma-Chlordane	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	gamma-Chlordane #2	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-05	PL095891.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:57:11 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-07	PL095893.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:57:37 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	4,4"-DDD #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Aldrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Endrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Mirex #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095906.D	4,4"-DDD	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin aldehyde	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Aldrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Endrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	gamma-Chlordane	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	Aldrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	Endrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	gamma-Chlordane	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I

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

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095731.D	21 May 2025 10:33	AR\AJ	Ok
2	I.BLK	PL095732.D	21 May 2025 10:47	AR\AJ	Ok
3	PEM	PL095733.D	21 May 2025 11:01	AR\AJ	Ok,M
4	RESCHK	PL095734.D	21 May 2025 11:14	AR\AJ	Ok,M
5	PSTDICC100	PL095735.D	21 May 2025 11:35	AR\AJ	Ok
6	PSTDICC075	PL095736.D	21 May 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PL095737.D	21 May 2025 12:02	AR\AJ	Ok
8	PSTDICC025	PL095738.D	21 May 2025 12:15	AR\AJ	Ok,M
9	PSTDICC005	PL095739.D	21 May 2025 12:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL095740.D	21 May 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PL095741.D	21 May 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PL095742.D	21 May 2025 13:10	AR\AJ	Ok
13	PCHLORICC250	PL095743.D	21 May 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PL095744.D	21 May 2025 13:37	AR\AJ	Ok,M
15	PTOXICC1000	PL095745.D	21 May 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PL095746.D	21 May 2025 14:04	AR\AJ	Ok
17	PTOXICC500	PL095747.D	21 May 2025 14:18	AR\AJ	Ok
18	PTOXICC250	PL095748.D	21 May 2025 14:31	AR\AJ	Ok
19	PTOXICC100	PL095749.D	21 May 2025 14:45	AR\AJ	Ok,M
20	PSTDICV050	PL095750.D	21 May 2025 14:58	AR\AJ	Ok
21	PCHLORICV500	PL095751.D	21 May 2025 15:12	AR\AJ	Ok

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095752.D	21 May 2025 15:26	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	PL095877.D	03 Jun 2025 09:15	AR\AJ	Ok
2	I.BLK	PL095878.D	03 Jun 2025 09:28	AR\AJ	Ok
3	PEM	PL095879.D	03 Jun 2025 09:42	AR\AJ	Ok,M
4	PSTDCCC050	PL095880.D	03 Jun 2025 09:56	AR\AJ	Ok,M
5	PB168253BL	PL095881.D	03 Jun 2025 12:49	AR\AJ	Ok
6	PB168253BS	PL095882.D	03 Jun 2025 13:03	AR\AJ	Ok
7	Q2185-01	PL095883.D	03 Jun 2025 13:47	AR\AJ	Ok,M
8	Q2185-05	PL095884.D	03 Jun 2025 14:01	AR\AJ	Ok,M
9	Q2176-01	PL095885.D	03 Jun 2025 14:14	AR\AJ	Ok,M
10	Q2176-02	PL095886.D	03 Jun 2025 14:28	AR\AJ	Ok,M
11	Q2176-03	PL095887.D	03 Jun 2025 14:42	AR\AJ	Ok,M
12	Q2176-03MS	PL095888.D	03 Jun 2025 14:55	AR\AJ	Ok,M
13	Q2176-03MSD	PL095889.D	03 Jun 2025 15:09	AR\AJ	Ok,M
14	Q2176-04	PL095890.D	03 Jun 2025 15:22	AR\AJ	Ok,M
15	Q2176-05	PL095891.D	03 Jun 2025 15:36	AR\AJ	Ok,M
16	Q2176-06	PL095892.D	03 Jun 2025 15:50	AR\AJ	Ok
17	Q2176-07	PL095893.D	03 Jun 2025 16:03	AR\AJ	Ok,M
18	Q2176-08	PL095894.D	03 Jun 2025 16:17	AR\AJ	Ok
19	Q2173-06	PL095895.D	03 Jun 2025 16:34	AR\AJ	Ok,M
20	I.BLK	PL095896.D	03 Jun 2025 16:48	AR\AJ	Ok
21	PSTDCCC050	PL095897.D	03 Jun 2025 17:01	AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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	Q2173-06MS	PL095898.D	03 Jun 2025 17:15	AR\AJ	Ok,M
23	Q2173-06MSD	PL095899.D	03 Jun 2025 17:29	AR\AJ	Ok,M
24	Q2173-12	PL095900.D	03 Jun 2025 17:42	AR\AJ	Ok
25	Q2173-18	PL095901.D	03 Jun 2025 17:57	AR\AJ	Ok,M
26	PB168264BL	PL095902.D	03 Jun 2025 18:10	AR\AJ	Ok
27	PB168264BS	PL095903.D	03 Jun 2025 18:24	AR\AJ	Not Ok
28	PB168224TB	PL095904.D	03 Jun 2025 18:38	AR\AJ	Ok
29	I.BLK	PL095905.D	03 Jun 2025 18:51	AR\AJ	Ok
30	PEM	PL095906.D	03 Jun 2025 19:05	AR\AJ	Ok,M
31	PSTDCCC050	PL095907.D	03 Jun 2025 19:18	AR\AJ	Ok,M
32	Q2177-03	PL095908.D	03 Jun 2025 19:32	AR\AJ	Ok
33	Q2177-05	PL095909.D	03 Jun 2025 19:46	AR\AJ	Ok
34	Q2177-07	PL095910.D	03 Jun 2025 19:59	AR\AJ	Ok,M
35	I.BLK	PL095911.D	03 Jun 2025 20:13	AR\AJ	Ok
36	PSTDCCC050	PL095912.D	03 Jun 2025 20:27	AR\AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095731.D	21 May 2025 10:33		AR\AJ	Ok
2	I.BLK	I.BLK	PL095732.D	21 May 2025 10:47		AR\AJ	Ok
3	PEM	PEM	PL095733.D	21 May 2025 11:01		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095734.D	21 May 2025 11:14		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095735.D	21 May 2025 11:35		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095736.D	21 May 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095737.D	21 May 2025 12:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095738.D	21 May 2025 12:15		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095739.D	21 May 2025 12:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095740.D	21 May 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095741.D	21 May 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095742.D	21 May 2025 13:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095743.D	21 May 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095744.D	21 May 2025 13:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095745.D	21 May 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095746.D	21 May 2025 14:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095747.D	21 May 2025 14:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095748.D	21 May 2025 14:31		AR\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM		
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM		
SubDirectory	PL052125	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL095749.D	21 May 2025 14:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL052125	PL095750.D	21 May 2025 14:58		AR\AJ	Ok
21	PCHLORICV500	ICVPL052125CHLOR	PL095751.D	21 May 2025 15:12		AR\AJ	Ok
22	PTOXICV500	ICVPL052125TOX	PL095752.D	21 May 2025 15:26		AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095877.D	03 Jun 2025 09:15		AR\AJ	Ok
2	I.BLK	I.BLK	PL095878.D	03 Jun 2025 09:28		AR\AJ	Ok
3	PEM	PEM	PL095879.D	03 Jun 2025 09:42		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095880.D	03 Jun 2025 09:56		AR\AJ	Ok,M
5	PB168253BL	PB168253BL	PL095881.D	03 Jun 2025 12:49		AR\AJ	Ok
6	PB168253BS	PB168253BS	PL095882.D	03 Jun 2025 13:03		AR\AJ	Ok
7	Q2185-01	TP02-MHB-WC	PL095883.D	03 Jun 2025 13:47		AR\AJ	Ok,M
8	Q2185-05	TP01-MHB-WC	PL095884.D	03 Jun 2025 14:01		AR\AJ	Ok,M
9	Q2176-01	TP-46	PL095885.D	03 Jun 2025 14:14		AR\AJ	Ok,M
10	Q2176-02	TP-56	PL095886.D	03 Jun 2025 14:28		AR\AJ	Ok,M
11	Q2176-03	TP-25	PL095887.D	03 Jun 2025 14:42		AR\AJ	Ok,M
12	Q2176-03MS	TP-25MS	PL095888.D	03 Jun 2025 14:55		AR\AJ	Ok,M
13	Q2176-03MSD	TP-25MSD	PL095889.D	03 Jun 2025 15:09		AR\AJ	Ok,M
14	Q2176-04	TP-26	PL095890.D	03 Jun 2025 15:22		AR\AJ	Ok,M
15	Q2176-05	TP-28	PL095891.D	03 Jun 2025 15:36		AR\AJ	Ok,M
16	Q2176-06	TP-27	PL095892.D	03 Jun 2025 15:50		AR\AJ	Ok
17	Q2176-07	TP-31	PL095893.D	03 Jun 2025 16:03		AR\AJ	Ok,M
18	Q2176-08	TP-65	PL095894.D	03 Jun 2025 16:17		AR\AJ	Ok

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM		
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM		
SubDirectory	PL060325	HP Acquire Method		HP Processing Method	pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2173-06	OR-400-CF-402B-COM	PL095895.D	03 Jun 2025 16:34		AR\AJ	Ok,M
20	I.BLK	I.BLK	PL095896.D	03 Jun 2025 16:48		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PL095897.D	03 Jun 2025 17:01		AR\AJ	Ok,M
22	Q2173-06MS	OR-400-CF-402B-COM	PL095898.D	03 Jun 2025 17:15		AR\AJ	Ok,M
23	Q2173-06MSD	OR-400-CF-402B-COM	PL095899.D	03 Jun 2025 17:29		AR\AJ	Ok,M
24	Q2173-12	OR-400-CF-402B-COM	PL095900.D	03 Jun 2025 17:42		AR\AJ	Ok
25	Q2173-18	OR-400-CF-402B-COM	PL095901.D	03 Jun 2025 17:57	DCB high in 2nd column	AR\AJ	Ok,M
26	PB168264BL	PB168264BL	PL095902.D	03 Jun 2025 18:10		AR\AJ	Ok
27	PB168264BS	PB168264BS	PL095903.D	03 Jun 2025 18:24	Looks like hexan	AR\AJ	Not Ok
28	PB168224TB	PB168224TB	PL095904.D	03 Jun 2025 18:38		AR\AJ	Ok
29	I.BLK	I.BLK	PL095905.D	03 Jun 2025 18:51		AR\AJ	Ok
30	PEM	PEM	PL095906.D	03 Jun 2025 19:05		AR\AJ	Ok,M
31	PSTDCCC050	PSTDCCC050	PL095907.D	03 Jun 2025 19:18		AR\AJ	Ok,M
32	Q2177-03	B-187-SB01	PL095908.D	03 Jun 2025 19:32		AR\AJ	Ok
33	Q2177-05	B-187-SB02	PL095909.D	03 Jun 2025 19:46		AR\AJ	Ok
34	Q2177-07	B-202-SB01	PL095910.D	03 Jun 2025 19:59		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL095911.D	03 Jun 2025 20:13		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL095912.D	03 Jun 2025 20:27		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135973

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
Q2125-07	GSB3	25	1.14	10.44	11.58	10.36	88.3	
Q2167-01	52225	1	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2168-01	SAN-A1-A3	2	1.15	10.00	11.15	11.1	99.5	
Q2168-03	A3	3	1.19	10.12	11.31	11.27	99.6	
Q2168-05	SAN-B1-B3	4	1.19	10.16	11.35	11.31	99.6	
Q2168-07	B3	5	1.16	10.33	11.49	11.44	99.5	
Q2168-09	SAN-C1-C2	6	1.13	10.24	11.37	11.3	99.3	
Q2168-11	C2	7	1.17	10.38	11.55	11.31	97.7	
Q2171-01	5-28-25-A	8	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-02	5-28-25-B	9	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-03	51925	10	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2175-01	32525	11	1.00	1.00	2.00	2.00	100.0	debris
Q2175-02	52725	12	1.00	1.00	2.00	2.00	100.0	oil sample
Q2176-01	TP-46	13	1.19	10.63	11.82	10.09	83.7	
Q2176-02	TP-56	14	1.15	10.59	11.74	10.28	86.2	
Q2176-03	TP-25	15	1.16	10.29	11.45	9.98	85.7	
Q2176-04	TP-26	16	1.12	10.84	11.96	10.36	85.2	
Q2176-05	TP-28	17	1.18	10.51	11.69	10.69	90.5	
Q2176-06	TP-27	18	1.18	10.12	11.3	9.59	83.1	
Q2176-07	TP-31	19	1.18	10.64	11.82	10.42	86.8	
Q2176-08	TP-65	20	1.19	10.27	11.46	10.16	87.3	
Q2177-01	B-187-SB00	21	1.17	10.43	11.6	10.47	89.2	
Q2177-02	B-187-SB01	22	1.16	10.50	11.66	10.00	84.2	
Q2177-04	B-187-SB02	23	1.17	10.55	11.72	7.8	62.8	
Q2177-06	B-202-SB01	24	1.19	10.41	11.6	10.08	85.4	
Q2178-01	RT2929	26	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2179-01	D3	27	1.15	9.96	11.11	10.47	93.6	
Q2179-02	D4	28	1.19	10.03	11.22	10.38	91.6	

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135973

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
Q2179-03	D5	29	1.18	10.26	11.44	10.8	93.8	
Q2179-04	D6	30	1.16	10.80	11.96	11.54	96.1	
Q2183-01	BC205321-3-1	31	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-02	BC205321-3-2	32	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-03	BC205321-4-1	33	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-04	BC205321-4-2	34	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-05	BC205321-5-1	35	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-06	BC205321-5-2	36	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-07	BC205321-6-1	37	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-08	BC205321-6-2	38	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-01	245F54-1-1	39	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-02	245F54-1-2	40	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-03	BC226595-1-1	41	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-04	BC226595-1-2	42	1.00	1.00	2.00	2.00	100.0	pilc
Q2185-01	TP02-MHB-WC	43	1.15	10.68	11.83	10.28	85.5	
Q2185-02	TP02-MHB-VOC	44	1.13	10.62	11.75	10.58	89.0	
Q2185-03	TP02-MHB-EPH	45	1.15	10.26	11.41	10.00	86.3	
Q2185-05	TP01-MHB-WC	46	1.18	10.69	11.87	10.57	87.8	
Q2185-06	TP01-MHB-VOC	47	1.19	10.76	11.95	10.84	89.7	
Q2185-07	TP01-MHB-EPH	48	1.19	10.25	11.44	10.28	88.7	

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

WORKLIST(Hardcopy Internal Chain)

VB35973

WorkList Name : %1-060225 **WorkList ID :** 189853 **Department :** Wet-Chemistry **Date :** 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2125-07	GSB3	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	05/23/2025	Chemtech -SO
Q2167-01	52225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-01	SAN-A1-A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-03	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-05	SAN-B1-B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-07	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-09	SAN-C1-C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-11	C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-01	5-28-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-02	5-28-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-03	51925	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-01	32525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-02	52725	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-01	TP-46	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-02	TP-56	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2176-03	TP-25	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-04	TP-26	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-05	TP-28	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-06	TP-27	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-07	TP-31	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-08	TP-65	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/30/2025	Chemtech -SO

Date/Time 06/02/25 15:15

Raw Sample Received by: WC

Raw Sample Relinquished by: SM

Date/Time 06/02/25 17:25

Raw Sample Received by: SM

Raw Sample Relinquished by: WC

WORKLIST(Hardcopy Internal Chain)

VB 135973

WorkList Name : %1-060225 **WorkList ID :** 189853 **Department :** Wet-Chemistry **Date :** 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-01	B-187-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-02	B-187-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-04	B-187-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-06	B-202-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2178-01	RT2929	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2179-01	D3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	06/02/2025	Chemtech -SO
Q2179-02	D4	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-03	D5	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-04	D6	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2183-01	BC205321-3-1	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2183-02	BC205321-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-03	BC205321-4-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-04	BC205321-4-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-05	BC205321-5-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-06	BC205321-5-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-07	BC205321-6-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-08	BC205321-6-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-01	245F54-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-02	245F54-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-03	BC226595-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-04	BC226595-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO

Date/Time 06/02/25 1515

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 06/02/25 1715

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

NB 135973

WorkList Name : %1-060225 **WorkList ID :** 189853 **Department :** Wet-Chemistry **Date :** 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2185-01	TP02-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-02	TP02-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-03	TP02-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-05	TP01-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-06	TP01-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-07	TP01-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] SM

Date/Time 06/02/25 17:25

Raw Sample Received by: [signature] SM

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168253

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	06/03/2025
Matrix :	Solid			**Extraction Start Time :**	09:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/03/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	2.0ML	1000 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24597
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2620
Sand	N/A	E2865
Hexane	N/A	E3938
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/3/25	RS (Ext lab)	Y PREP LAB,
12:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168253

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/03/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168253BL	PBLK253	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U1-1
PB168253BS	PLCS253	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2176-01	TP-46	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2176-02	TP-56	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q2176-03	TP-25	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q2176-03MS	TP-25MS	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q2176-03MSD	TP-25MSD	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q2176-04	TP-26	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q2176-05	TP-28	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2176-06	TP-27	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q2176-07	TP-31	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q2176-08	TP-65	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		6
Q2185-01	TP02-MHB-WC	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		U3-1
Q2185-05	TP01-MHB-WC	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		2

RS
6/3/25

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

,8253
9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2176 **WorkList ID :** 189891 **Department :** Extraction **Date :** 06-03-2025 09:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2176-01	TP-46	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/28/2025	8081B
Q2176-02	TP-56	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-03	TP-25	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-04	TP-26	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-05	TP-28	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-06	TP-27	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-07	TP-31	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-08	TP-65	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/30/2025	8081B
Q2185-01	TP02-MHB-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	06/02/2025	8081B
Q2185-05	TP01-MHB-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	06/02/2025	8081B

Date/Time 06/03/25 9:25
Raw Sample Received by: RJ (EH-lab)
Raw Sample Relinquished by: SM

Date/Time 06/03/25 9:45
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EH-lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2176

Test : Pesticide-TCL

Prepbatch ID : PB168253,

Sequence ID/Qc Batch ID: pl060325,

Standard ID :

EP2613,EP2620,PP24095,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,PP24597,

Chemical ID :

E2865,E3551,E3847,E3876,E3877,E3914,E3927,E3932,E3933,E3938,P12603,P 12611,P13037,P13040,P13195,P13245,P13356,P13357,P13405,P13785,P13861,P9052,W3177,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2613	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000ml of E3932 + 4000.00000ml of E3933 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2620	05/30/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/30/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani 12/30/2024

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP24285	03/12/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 95.00000ml of E3876 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel 04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24597	05/20/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 1.00000ml of P13357 + 999.00000ml of E3932 = Final Quantity: 1000.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml	Z0830QB1	04/18/2026	05/30/2025 / RUPESH	03/13/2025 / RUPESH	E3927

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	/	05/14/2025 / RUPESH	E3938

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

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

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	11/20/2025	05/20/2025 / Abdul	04/22/2024 / Abdul	P13357

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

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

Recd. by RB on 7/24/23 E3551

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

avantor™ | J.T.Baker®

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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd. by RP on 12/13/24

E3847

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Certificate of Analysis

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

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

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

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

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

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Certificate of Analysis

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

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

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

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

N/A

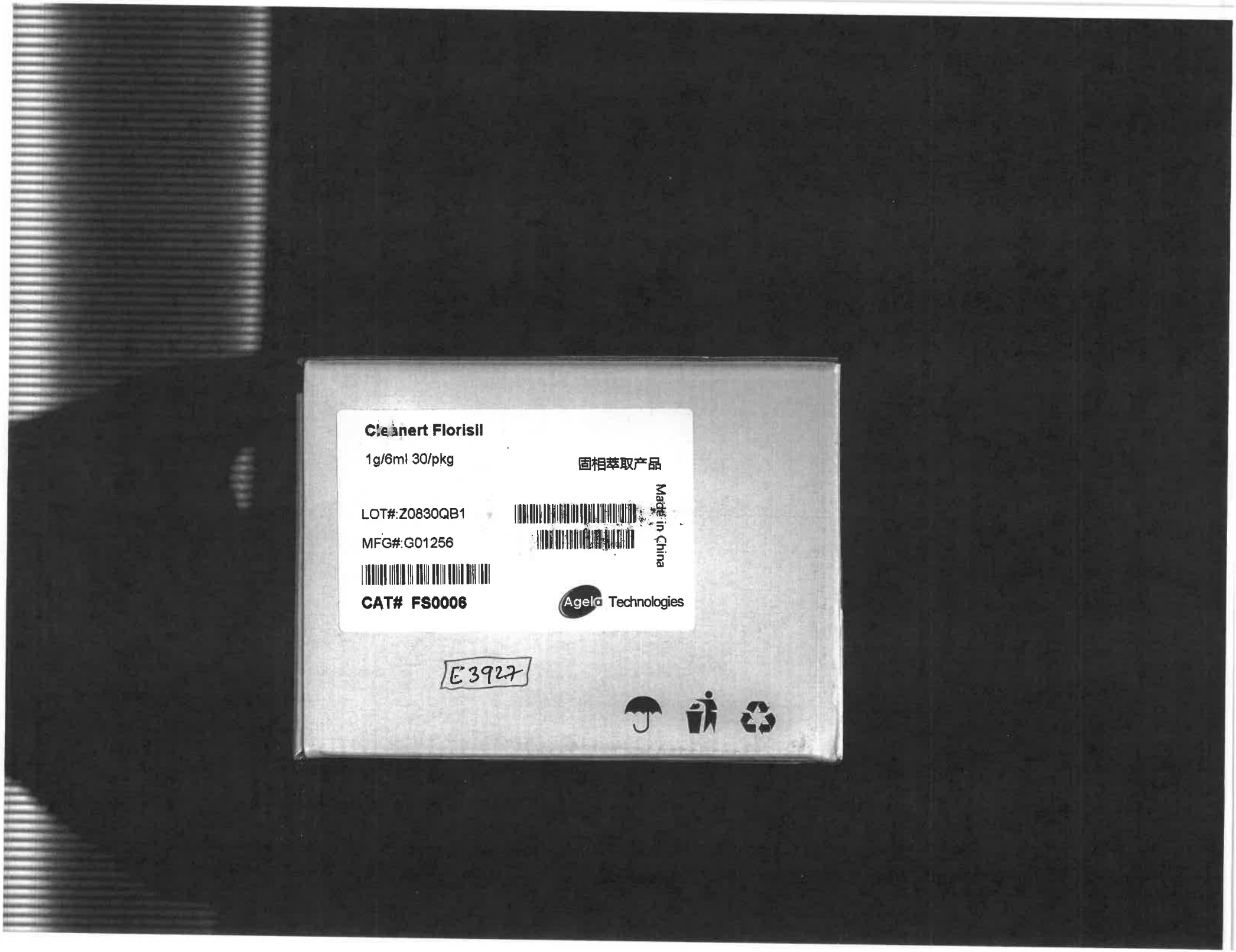
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND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

Recd by RS on 3/14/25

E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.


Cleanert Florisil
1g/6ml 30/pkg
固相萃取产品
LOT#:Z0830QB1
MFG#:G01256
Made in China
CAT# FS0006
Agela Technologies
E3927

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

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

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

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

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

avantor™ | J.T.Baker

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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

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

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

E3933

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

avantor | J.T.Baker

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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

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

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

E3938

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P12614 V P12615 Five

7/3/2023

Catalog No. : 32021 **Lot No.:** A0193299

Description : Chlordane Standard

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

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

Expiration Date : April 30, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,010.0 µg/mL	+/- 56.0475

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

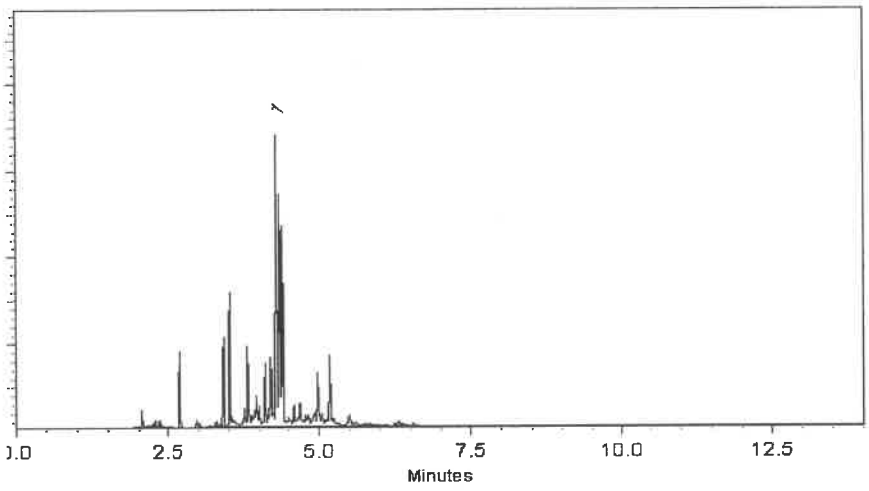
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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

Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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

P12691 ↓ P12695

7/3/2023

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Certificate #3222.02

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P130397 } 5
↓
P130431

12.26.2023

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

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

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

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

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

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

P13039 5
↓
P13043 1
12/26/23

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

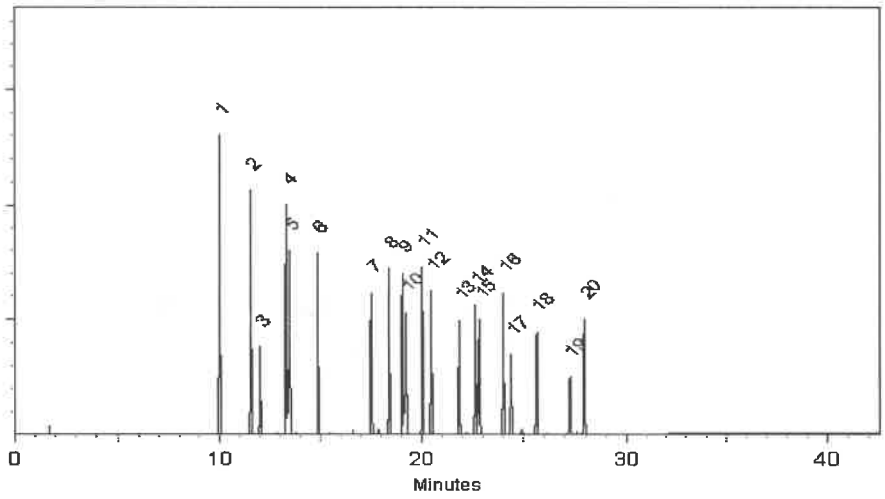
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

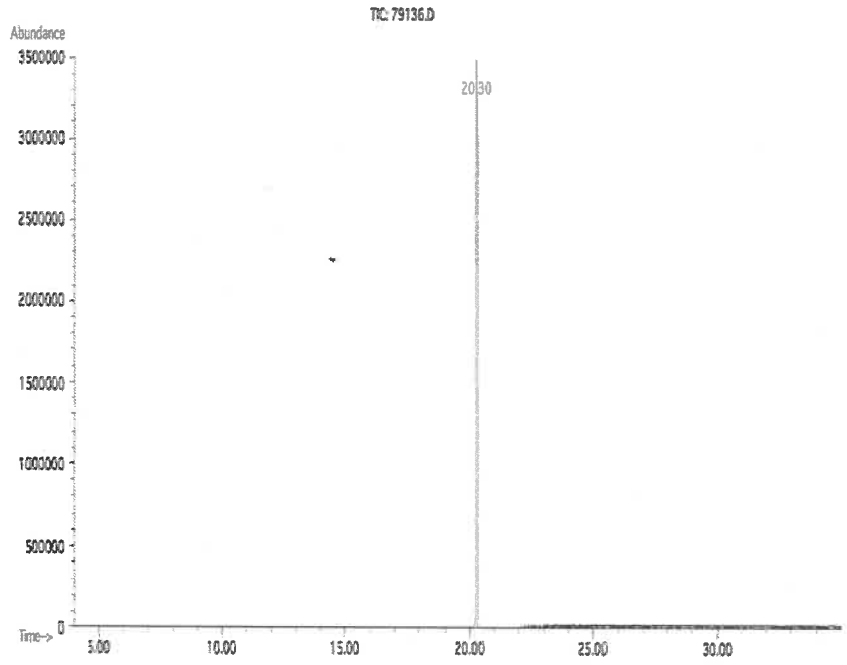
Solvent(s): Acetone **Lot#** 81025

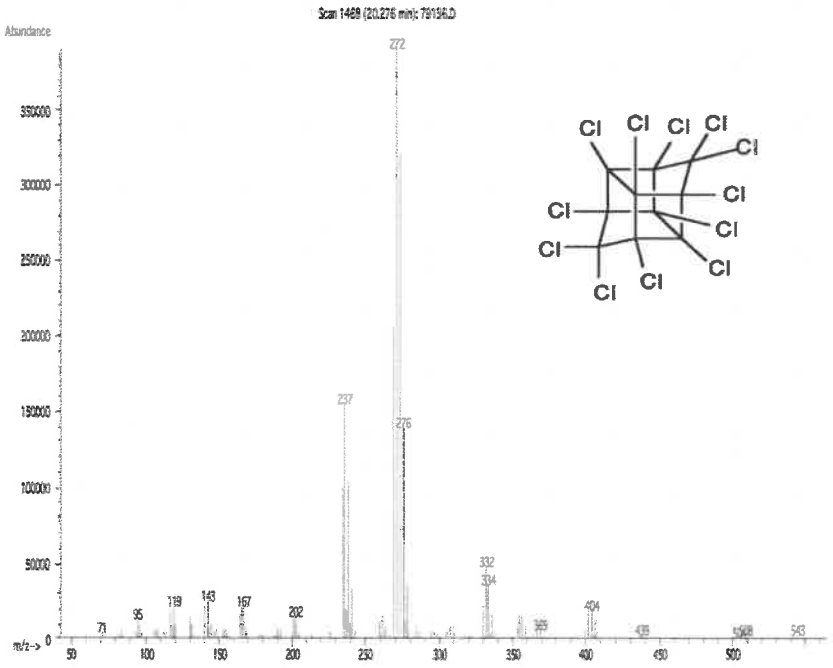
Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Prashant Chauhan	042022	
Formulated By:	Prashant Chauhan	DATE
Pedro L. Rentas	042022	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	orl-rat 306mg/kg

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





P13195
↓
P13199
↓
(5)
|

01/17/2024

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

P13195
→
P13199

01/17/2024

5

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P12603 (3)
↓
P12605

7/3/2023

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard

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

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

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

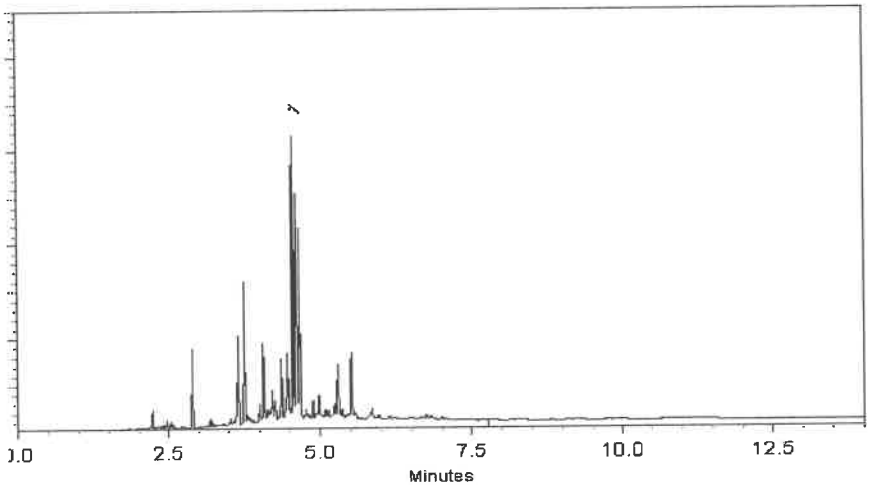
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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

P12603 & P12605 (3)

7/3/2023

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P 13034 } 5
↓
P 13038

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

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

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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

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

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

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

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

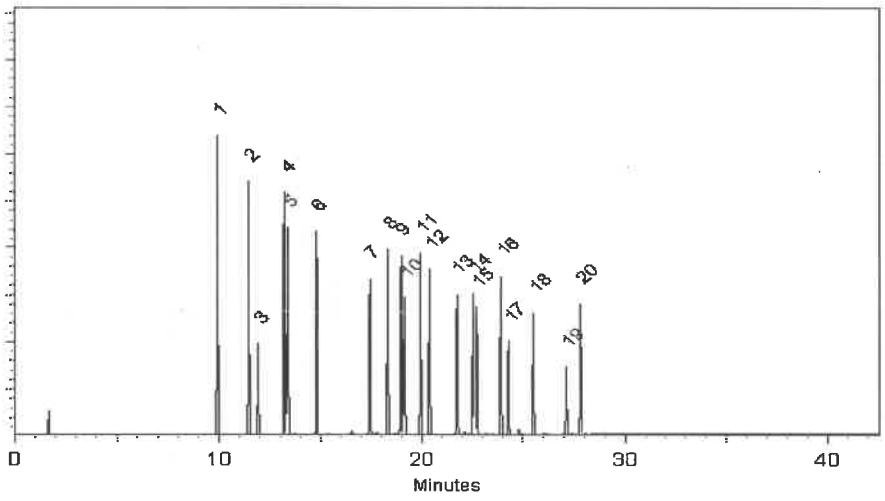
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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

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CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

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

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0 ± 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	orl-rat 500mg/kg
2.	Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	orl-rat 18mg/kg
3.	4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	orl-rat 880mg/kg
4.	Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	orl-rat 38300ug/kg
5.	Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	orl-rat 18mg/kg
6.	Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7.	4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 } (5)
thru
P13247

02/9/2024

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

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P13348 → P13357 (10)

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

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

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

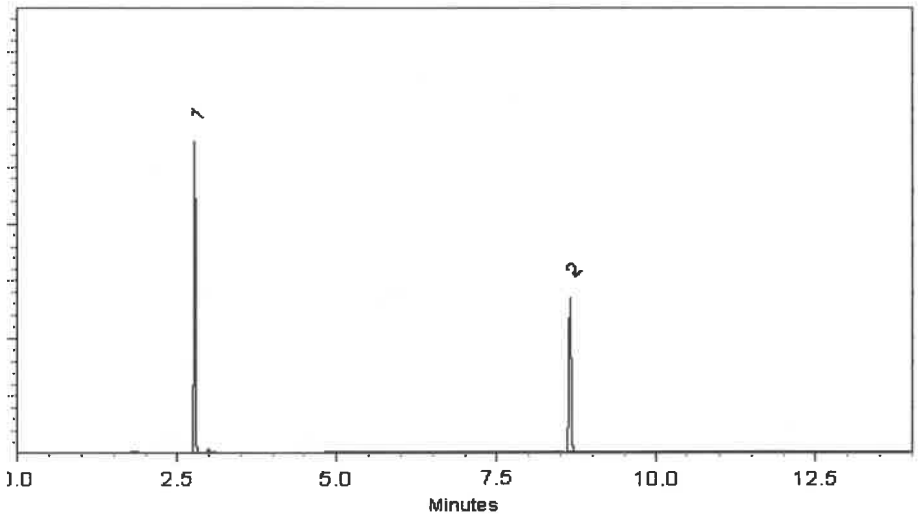
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

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P13357

04/25/2025

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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P13348 → P13357 (10)

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

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

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

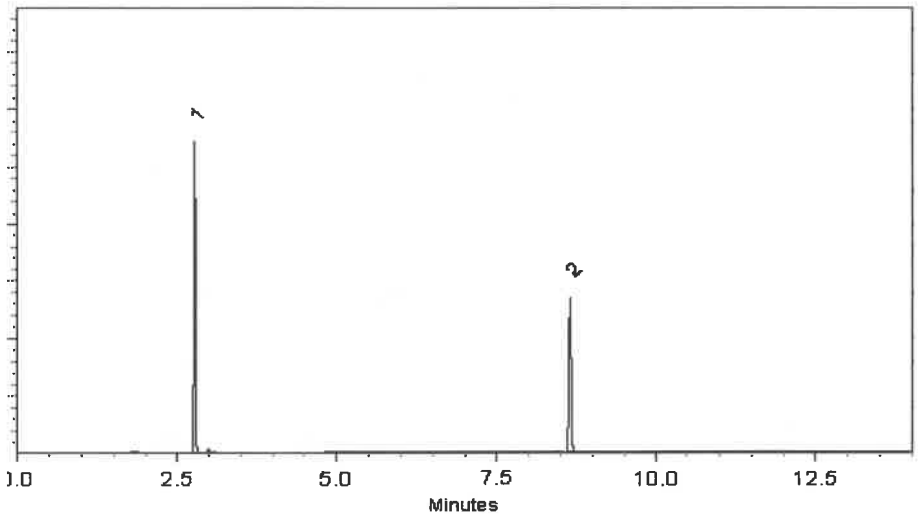
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348 (10)

↓

P13357

04/25/2025

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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P13402 & P13406 (5)

5/22/2024

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

Description : Toxaphene Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

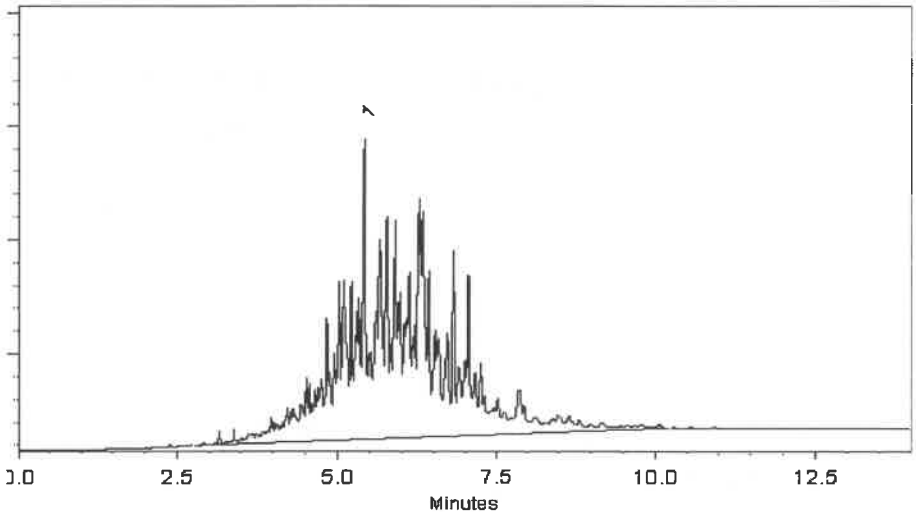
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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

Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13402
↓
P13406
5

5/22/2024

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

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

P19785 ↓ P19789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

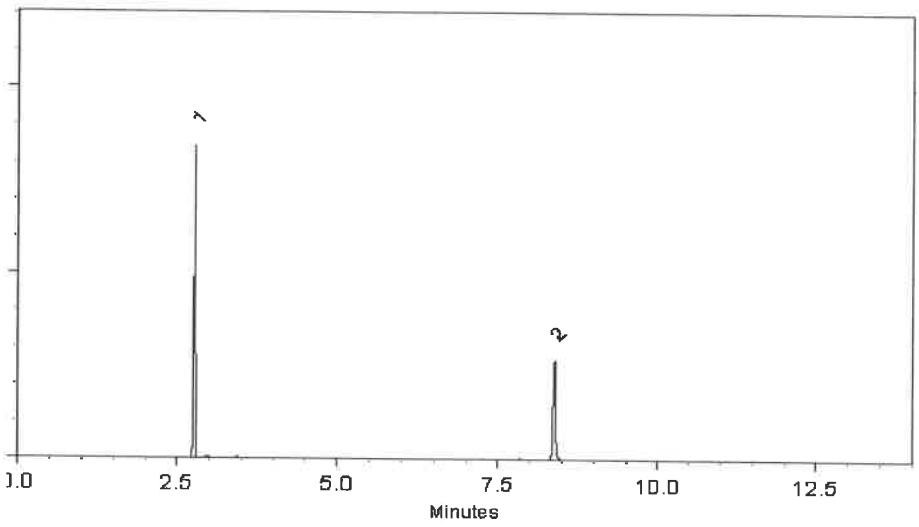
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Toxaphene Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

P13861
P13862 (2)

12/9/2024

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

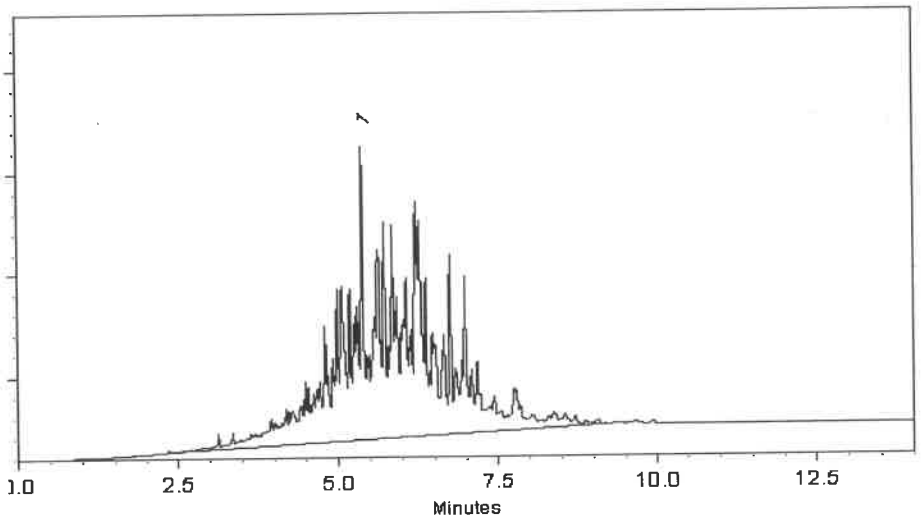
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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

Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024 **Balance Serial #** B442140311

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

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

P13861 } (2)
P13862 }

12/9/2024

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

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

Received by SG on 11/1/19
P9044 - P9053

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

Solvent(s):	Lot#
Methylene chloride	102669

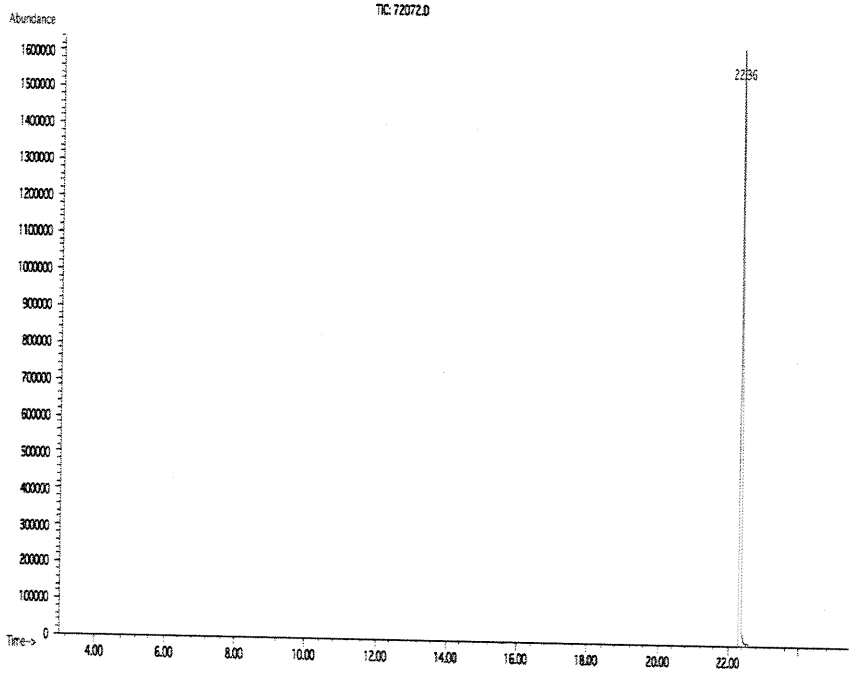
5E-05 Balance Uncertainty

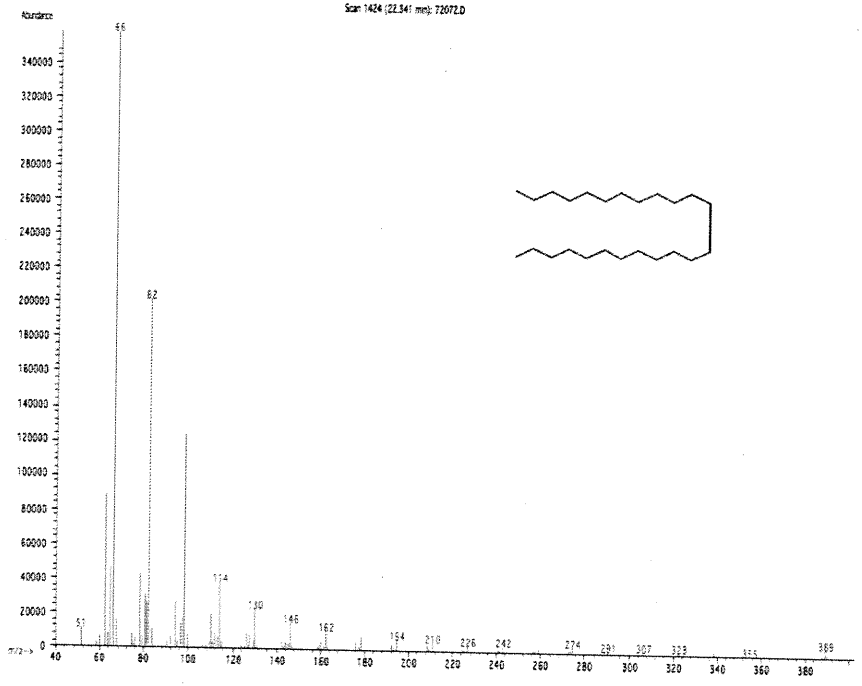
Weight(s) shown below were combined and diluted to (mL): 200.0 0.058 Flask Uncertainty

Formulated By:	Prashant Chauhan	112018 DATE
Reviewed By:	Pedro Rentas	112018 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





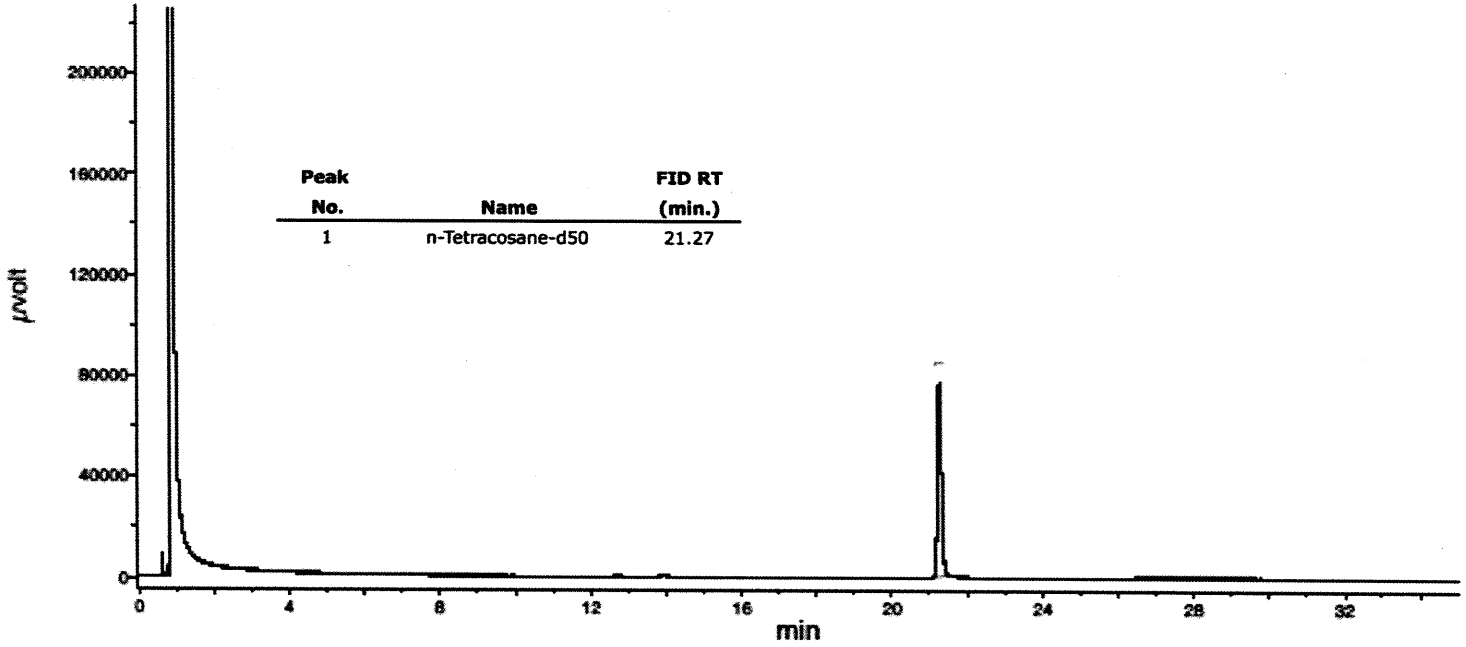
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value,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

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

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Nov 22, 2018 at 7:23:18 AM.
Sampled: Sequence "112018-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 3



Peak No.	Name	FID RT (min.)
1	n-Tetracosane-d50	21.27

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

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2176
COC Number 2047109

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: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 7325904679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: TCL VOC
2: TCL SVOC
3: METALS
4: PCB
5: PESTICIDE
6: HERBICIDE
7: DRO/GRO
8:
9:

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

	ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.		TP-46	SOIL		X	5/28/25	1515	6	X	X	X	X	X	X	X			E
2.		TP-56	SOIL		X	5/29/25	0835	6	X	X	X	X	X	X	X			E
3.		TP-25	SOIL		X	5/29/25	0925	6	X	X	X	X	X	X	X			E
4.		TP-26	SOIL		X	5/29/25	1040	6	X	X	X	X	X	X	X			E
5.		TP-28	SOIL		X	5/29/25	1120	6	X	X	X	X	X	X	X			E
6.		TP-27	SOIL		X	5/29/25	1200	6	X	X	X	X	X	X	X			E
7.		TP-31	SOIL		X	5/29/25	1340	6	X	X	X	X	X	X	X			E
8.		TP-65	SOIL		X	5/30/25	1405	6	X	X	X	X	X	X	X			E
9.																		
10.																		

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/30/25 1600	1. 1600 5.30.25
2.		2.
3.	5.30.25 1653	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: _____

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

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

QA Control Code: A2070148