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Cover Page

Order ID : Q1982

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q1982-01	TP-1
Q1982-02	TP-2B
Q1982-03	TP-3
Q1982-04	TP-4
Q1982-05	TP-5
Q1982-06	TP-6
Q1982-07	TP-8
Q1982-08	TP-9

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: 5/21/2025

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 # Q1982
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 05/07/2025.

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_D. 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 Sample #TP-6 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

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

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

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 #: **Q1982**

	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: **PATEL VAISHALI** **Date:** **05/21/2025**

Alliance TECHNICAL GROUP

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LAB CHRONICLE

OrderID:	Q1982	**OrderDate:**	5/7/2025 3:20:42 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
Q1982-01	**TP-1**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
			Gasoline Range Organics	8015D			05/12/25	
Q1982-02	**TP-2B**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-03	**TP-3**	**SOIL**			**05/06/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/12/25	
Q1982-04	**TP-4**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-05	**TP-5**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-06	**TP-6**	**SOIL**			**05/07/25**			**05/07/25**

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LAB CHRONICLE

			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/12/25	
Q1982-07	**TP-8**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/14/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/12/25	05/13/25	
Q1982-08	**TP-9**	**SOIL**			**05/07/25**			**05/07/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/13/25	05/13/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1982 **Order ID:** Q1982

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-8								
Q1982-07	TP-8	SOIL	alpha-Chlordane	2.20	P	0.14	2.00	ug/kg
Q1982-07	TP-8	SOIL	gamma-Chlordane	2.30		0.18	2.00	ug/kg
			Total Concentration:	**4.500**				
Client ID : TP-9								
Q1982-08	TP-9	SOIL	Dieldrin	0.77	JP	0.17	2.10	ug/kg
Q1982-08	TP-9	SOIL	alpha-Chlordane	1.70	JP	0.15	2.10	ug/kg
Q1982-08	TP-9	SOIL	gamma-Chlordane	2.00	J	0.18	2.10	ug/kg
			Total Concentration:	**4.470**				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PD088121.D	PIBLK-PD088121.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	22.7	113		43	140
		Tetrachloro-m-xylene	2	20	20.9	104		77	126
I.BLK-PD088462.D	PIBLK-PD088462.D	Decachlorobiphenyl	1	20	19.4	97		43	140
		Tetrachloro-m-xylene	1	20	17.6	88		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	16.8	84		77	126
PB167950BL	PB167950BL	Decachlorobiphenyl	1	20	21.1	106		20	144
		Tetrachloro-m-xylene	1	20	18.5	93		19	148
		Decachlorobiphenyl	2	20	18.9	95		20	144
		Tetrachloro-m-xylene	2	20	18.3	91		19	148
PB167950BS	PB167950BS	Decachlorobiphenyl	1	20	21.6	108		20	144
		Tetrachloro-m-xylene	1	20	18.8	94		19	148
		Decachlorobiphenyl	2	20	19.3	96		20	144
		Tetrachloro-m-xylene	2	20	19.1	96		19	148
I.BLK-PD088474.D	PIBLK-PD088474.D	Decachlorobiphenyl	1	20	19.2	96		43	140
		Tetrachloro-m-xylene	1	20	17.6	88		77	126
		Decachlorobiphenyl	2	20	16.8	84		43	140
		Tetrachloro-m-xylene	2	20	16.8	84		77	126
I.BLK-PD088482.D	PIBLK-PD088482.D	Decachlorobiphenyl	1	20	19.5	97		43	140
		Tetrachloro-m-xylene	1	20	17.6	88		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	16.6	83		77	126
Q1982-01MS	TP-1MS	Decachlorobiphenyl	1	20	20.2	101		20	144
		Tetrachloro-m-xylene	1	20	19.3	97		19	148
		Decachlorobiphenyl	2	20	17.4	87		20	144
		Tetrachloro-m-xylene	2	20	18.9	95		19	148
Q1982-01MSD	TP-1MSD	Decachlorobiphenyl	1	20	20.0	100		20	144
		Tetrachloro-m-xylene	1	20	19.5	97		19	148
		Decachlorobiphenyl	2	20	17.4	87		20	144
		Tetrachloro-m-xylene	2	20	19.1	96		19	148
Q1982-03	TP-3	Decachlorobiphenyl	1	20	22.6	113		20	144
		Tetrachloro-m-xylene	1	20	22.2	111		19	148
		Decachlorobiphenyl	2	20	19.7	98		20	144
		Tetrachloro-m-xylene	2	20	21.1	106		19	148
Q1982-06	TP-6	Decachlorobiphenyl	1	20	17.6	88		20	144
		Tetrachloro-m-xylene	1	20	20.7	103		19	148
		Decachlorobiphenyl	2	20	13.1	66		20	144
		Tetrachloro-m-xylene	2	20	19.9	99		19	148
I.BLK-PD088494.D	PIBLK-PD088494.D	Decachlorobiphenyl	1	20	18.3	92		43	140

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Surrogate Summary

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PD088494.D	PIBLK-PD088494.D	Tetrachloro-m-xylene	1	20	18.0	90		77	126
		Decachlorobiphenyl	2	20	13.9	70		43	140
		Tetrachloro-m-xylene	2	20	17.3	87		77	126
I.BLK-PD088497.D	PIBLK-PD088497.D	Decachlorobiphenyl	1	20	19.7	99		43	140
		Tetrachloro-m-xylene	1	20	18.5	92		77	126
		Decachlorobiphenyl	2	20	17.4	87		43	140
		Tetrachloro-m-xylene	2	20	17.6	88		77	126
Q1982-01	TP-1	Decachlorobiphenyl	1	20	16.4	82		20	144
		Tetrachloro-m-xylene	1	20	18.4	92		19	148
		Decachlorobiphenyl	2	20	14.3	72		20	144
		Tetrachloro-m-xylene	2	20	17.5	88		19	148
Q1982-02	TP-2B	Decachlorobiphenyl	1	20	17.8	89		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	15.4	77		20	144
		Tetrachloro-m-xylene	2	20	18.8	94		19	148
Q1982-04	TP-4	Decachlorobiphenyl	1	20	11.7	58		20	144
		Tetrachloro-m-xylene	1	20	14.0	70		19	148
		Decachlorobiphenyl	2	20	9.23	46		20	144
		Tetrachloro-m-xylene	2	20	13.5	67		19	148
Q1982-05	TP-5	Decachlorobiphenyl	1	20	14.8	74		20	144
		Tetrachloro-m-xylene	1	20	22.8	114		19	148
		Decachlorobiphenyl	2	20	11.1	56		20	144
		Tetrachloro-m-xylene	2	20	19.1	95		19	148
Q1982-07	TP-8	Decachlorobiphenyl	1	20	17.4	87		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	13.1	66		20	144
		Tetrachloro-m-xylene	2	20	18.9	95		19	148
I.BLK-PD088514.D	PIBLK-PD088514.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	18.1	90		77	126
		Decachlorobiphenyl	2	20	15.7	79		43	140
		Tetrachloro-m-xylene	2	20	16.9	85		77	126
I.BLK-PD088523.D	PIBLK-PD088523.D	Decachlorobiphenyl	1	20	19.3	97		43	140
		Tetrachloro-m-xylene	1	20	18.3	92		77	126
		Decachlorobiphenyl	2	20	17.4	87		43	140
		Tetrachloro-m-xylene	2	20	17.5	87		77	126
PB167959BL	PB167959BL	Decachlorobiphenyl	1	20	20.1	100		20	144
		Tetrachloro-m-xylene	1	20	19.3	97		19	148
		Decachlorobiphenyl	2	20	18.1	90		20	144
		Tetrachloro-m-xylene	2	20	19.1	96		19	148
PB167959BS	PB167959BS	Decachlorobiphenyl	1	20	22.7	114		20	144
		Tetrachloro-m-xylene	1	20	21.6	108		19	148

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

Surrogate Summary

SDG No.: Q1982

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
PB167959BS	PB167959BS	Decachlorobiphenyl	2	20	20.6	103		20	144
		Tetrachloro-m-xylene	2	20	21.3	106		19	148
Q1982-08	TP-9	Decachlorobiphenyl	1	20	20.0	100		20	144
		Tetrachloro-m-xylene	1	20	20.2	101		19	148
		Decachlorobiphenyl	2	20	15.1	75		20	144
		Tetrachloro-m-xylene	2	20	18.9	95		19	148
I.BLK-PD088535.D	PIBLK-PD088535.D	Decachlorobiphenyl	1	20	18.0	90		43	140
		Tetrachloro-m-xylene	1	20	17.4	87		77	126
		Decachlorobiphenyl	2	20	14.8	74		43	140
		Tetrachloro-m-xylene	2	20	16.4	82		77	126
I.BLK-PD088551.D	PIBLK-PD088551.D	Decachlorobiphenyl	1	20	20.9	104		43	140
		Tetrachloro-m-xylene	1	20	20.3	101		77	126
		Decachlorobiphenyl	2	20	18.6	93		43	140
		Tetrachloro-m-xylene	2	20	19.1	95		77	126
Q1984-01MS	OU4-PCS-TC-33-050725MS	Decachlorobiphenyl	1	20	21.1	106		20	144
		Tetrachloro-m-xylene	1	20	21.0	105		19	148
		Decachlorobiphenyl	2	20	18.4	92		20	144
		Tetrachloro-m-xylene	2	20	20.5	103		19	148
Q1984-01MSD	OU4-PCS-TC-33-050725MSD	Decachlorobiphenyl	1	20	21.2	106		20	144
		Tetrachloro-m-xylene	1	20	21.4	107		19	148
		Decachlorobiphenyl	2	20	18.9	94		20	144
		Tetrachloro-m-xylene	2	20	20.9	105		19	148
I.BLK-PD088565.D	PIBLK-PD088565.D	Decachlorobiphenyl	1	20	15.2	76		43	140
		Tetrachloro-m-xylene	1	20	19.6	98		77	126
		Decachlorobiphenyl	2	20	15.5	77		43	140
		Tetrachloro-m-xylene	2	20	18.4	92		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088486.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-1MS**											
Q1982-01MS (Column 1)	alpha-BHC	20.58	0	21.2	ug/kg	103				60	144	
	beta-BHC	20.58	0	20.6	ug/kg	100				54	143	
	delta-BHC	20.58	0	22.8	ug/kg	111				29	151	
	gamma-BHC (Lindane)	20.58	0	21.2	ug/kg	103				61	140	
	Heptachlor	20.58	0	22.0	ug/kg	107				63	135	
	Aldrin	20.58	0	21.8	ug/kg	106				49	139	
	Heptachlor epoxide	20.58	0	21.8	ug/kg	106				41	156	
	Endosulfan I	20.58	0	21.8	ug/kg	106				56	142	
	Dieldrin	20.58	0	22.0	ug/kg	107				47	161	
	4,4'-DDE	20.58	0	21.3	ug/kg	103				55	136	
	Endrin	20.58	0	21.8	ug/kg	106				57	139	
	Endosulfan II	20.58	0	21.1	ug/kg	103				40	163	
	4,4'-DDD	20.58	0	22.1	ug/kg	107				47	163	
	Endosulfan sulfate	20.58	0	21.5	ug/kg	104				62	139	
	4,4'-DDT	20.58	0	22.4	ug/kg	109				51	146	
	Methoxychlor	20.58	0	21.4	ug/kg	104				54	136	
	Endrin ketone	20.58	0	21.6	ug/kg	105				60	129	
	Endrin aldehyde	20.58	0	21.3	ug/kg	103				59	132	
	alpha-Chlordane	20.58	0	21.6	ug/kg	105				39	166	
	gamma-Chlordane	20.58	0	21.3	ug/kg	103				44	175	
Client Sample ID:	**TP-1MS**											
Q1982-01MS (Column 2)	alpha-BHC	20.58	0	19.2	ug/kg	93				60	144	
	beta-BHC	20.58	0	18.8	ug/kg	91				54	143	
	delta-BHC	20.58	0	18.9	ug/kg	92				29	151	
	gamma-BHC (Lindane)	20.58	0	18.7	ug/kg	91				61	140	
	Heptachlor	20.58	0	18.7	ug/kg	91				63	135	
	Aldrin	20.58	0	19.3	ug/kg	94				49	139	
	Heptachlor epoxide	20.58	0	18.2	ug/kg	88				41	156	
	Endosulfan I	20.58	0	18.5	ug/kg	90				56	142	
	Dieldrin	20.58	0	18.4	ug/kg	89				47	161	
	4,4'-DDE	20.58	0	18.4	ug/kg	89				55	136	
	Endrin	20.58	0	18.7	ug/kg	91				57	139	
	Endosulfan II	20.58	0	18.7	ug/kg	91				40	163	
	4,4'-DDD	20.58	0	17.8	ug/kg	86				47	163	
	Endosulfan sulfate	20.58	0	18.6	ug/kg	90				62	139	
	4,4'-DDT	20.58	0	19.0	ug/kg	92				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088486.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q1982-01MS (Column 2)	Methoxychlor	20.58	0	18.3	ug/kg	89				54	136	
	Endrin ketone	20.58	0	18.7	ug/kg	91				60	129	
	Endrin aldehyde	20.58	0	18.3	ug/kg	89				59	132	
	alpha-Chlordane	20.58	0	18.6	ug/kg	90				39	166	
	gamma-Chlordane	20.58	0	18.8	ug/kg	91				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088487.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-1MSD**											
Q1982-01MSD (Column 1)	alpha-BHC	20.57	0	21.4	ug/kg	104		1		60	144	20
	beta-BHC	20.57	0	20.8	ug/kg	101		1		54	143	20
	delta-BHC	20.57	0	22.8	ug/kg	111		0		29	151	20
	gamma-BHC (Lindane)	20.57	0	21.4	ug/kg	104		1		61	140	20
	Heptachlor	20.57	0	22.2	ug/kg	108		1		63	135	20
	Aldrin	20.57	0	22.0	ug/kg	107		1		49	139	20
	Heptachlor epoxide	20.57	0	21.9	ug/kg	106		0		41	156	20
	Endosulfan I	20.57	0	22.0	ug/kg	107		1		56	142	20
	Dieldrin	20.57	0	22.2	ug/kg	108		1		47	161	20
	4,4'-DDE	20.57	0	21.4	ug/kg	104		1		55	136	20
	Endrin	20.57	0	22.0	ug/kg	107		1		57	139	20
	Endosulfan II	20.57	0	21.2	ug/kg	103		0		40	163	20
	4,4'-DDD	20.57	0	22.1	ug/kg	107		0		47	163	20
	Endosulfan sulfate	20.57	0	21.5	ug/kg	105		1		62	139	20
	4,4'-DDT	20.57	0	22.4	ug/kg	109		0		51	146	20
	Methoxychlor	20.57	0	21.5	ug/kg	105		1		54	136	20
	Endrin ketone	20.57	0	21.7	ug/kg	105		0		60	129	20
	Endrin aldehyde	20.57	0	21.3	ug/kg	104		1		59	132	20
	alpha-Chlordane	20.57	0	21.8	ug/kg	106		1		39	166	20
	gamma-Chlordane	20.57	0	21.5	ug/kg	105		2		44	175	20
Client Sample ID:	**TP-1MSD**											
Q1982-01MSD (Column 2)	alpha-BHC	20.57	0	19.3	ug/kg	94		1		60	144	20
	beta-BHC	20.57	0	18.9	ug/kg	92		1		54	143	20
	delta-BHC	20.57	0	19.0	ug/kg	92		0		29	151	20
	gamma-BHC (Lindane)	20.57	0	18.8	ug/kg	91		0		61	140	20
	Heptachlor	20.57	0	18.9	ug/kg	92		1		63	135	20
	Aldrin	20.57	0	19.5	ug/kg	95		1		49	139	20
	Heptachlor epoxide	20.57	0	18.5	ug/kg	90		2		41	156	20
	Endosulfan I	20.57	0	18.7	ug/kg	91		1		56	142	20
	Dieldrin	20.57	0	18.5	ug/kg	90		1		47	161	20
	4,4'-DDE	20.57	0	18.6	ug/kg	90		1		55	136	20
	Endrin	20.57	0	18.8	ug/kg	91		0		57	139	20
	Endosulfan II	20.57	0	18.8	ug/kg	91		0		40	163	20
	4,4'-DDD	20.57	0	17.9	ug/kg	87		1		47	163	20
	Endosulfan sulfate	20.57	0	18.6	ug/kg	90		0		62	139	20
	4,4'-DDT	20.57	0	18.9	ug/kg	92		0		51	146	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088487.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q1982-01MSD (Column 2)	Methoxychlor	20.57	0	18.3	ug/kg	89		0		54	136	20
	Endrin ketone	20.57	0	18.7	ug/kg	91		0		60	129	20
	Endrin aldehyde	20.57	0	18.3	ug/kg	89		0		59	132	20
	alpha-Chlordane	20.57	0	18.8	ug/kg	91		1		39	166	20
	gamma-Chlordane	20.57	0	19.0	ug/kg	92		1		44	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088559.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OU4-PCS-TC-33-050725MS**											
Q1984-01MS (Column 1)	alpha-BHC	17.51	0	19.7	ug/kg	113				60	144	
	beta-BHC	17.51	0	19.4	ug/kg	111				54	143	
	delta-BHC	17.51	0	19.9	ug/kg	114				29	151	
	gamma-BHC (Lindane)	17.51	0	20.1	ug/kg	115				61	140	
	Heptachlor	17.51	0	20.4	ug/kg	117				63	135	
	Aldrin	17.51	0	20.0	ug/kg	114				49	139	
	Heptachlor epoxide	17.51	0	19.8	ug/kg	113				41	156	
	Endosulfan I	17.51	0	19.8	ug/kg	113				56	142	
	Dieldrin	17.51	0	20.0	ug/kg	114				47	161	
	4,4'-DDE	17.51	0	19.2	ug/kg	110				55	136	
	Endrin	17.51	0	19.6	ug/kg	112				57	139	
	Endosulfan II	17.51	0	19.0	ug/kg	109				40	163	
	4,4'-DDD	17.51	0	20.1	ug/kg	115				47	163	
	Endosulfan sulfate	17.51	0	19.2	ug/kg	110				62	139	
	4,4'-DDT	17.51	0	19.3	ug/kg	110				51	146	
	Methoxychlor	17.51	0	18.6	ug/kg	106				54	136	
	Endrin ketone	17.51	0	19.6	ug/kg	112				60	129	
	Endrin aldehyde	17.51	0	19.5	ug/kg	111				59	132	
	alpha-Chlordane	17.51	0	19.8	ug/kg	113				39	166	
	gamma-Chlordane	17.51	0	19.7	ug/kg	113				44	175	
Client Sample ID:	**OU4-PCS-TC-33-050725MS**											
Q1984-01MS (Column 2)	alpha-BHC	17.51	0	17.5	ug/kg	0				60	144	
	beta-BHC	17.51	0	17.4	ug/kg	0				54	143	
	delta-BHC	17.51	0	17.4	ug/kg	0				29	151	
	gamma-BHC (Lindane)	17.51	0	17.0	ug/kg	0				61	140	
	Heptachlor	17.51	0	17.6	ug/kg	0				63	135	
	Aldrin	17.51	0	17.2	ug/kg	0				49	139	
	Heptachlor epoxide	17.51	0	17.1	ug/kg	0				41	156	
	Endosulfan I	17.51	0	17.1	ug/kg	0				56	142	
	Dieldrin	17.51	0	17.1	ug/kg	0				47	161	
	4,4'-DDE	17.51	0	17.0	ug/kg	0				55	136	
	Endrin	17.51	0	17.2	ug/kg	0				57	139	
	Endosulfan II	17.51	0	16.9	ug/kg	0				40	163	
	4,4'-DDD	17.51	0	16.4	ug/kg	0				47	163	
	Endosulfan sulfate	17.51	0	16.4	ug/kg	0				62	139	
	4,4'-DDT	17.51	0	17.2	ug/kg	0				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088559.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Q1984-01MS (Column 2)	Methoxychlor	17.51	0	16.7	ug/kg	0				54	136	
	Endrin ketone	17.51	0	16.9	ug/kg	0				60	129	
	Endrin aldehyde	17.51	0	17.0	ug/kg	0				59	132	
	alpha-Chlordane	17.51	0	17.1	ug/kg	0				39	166	
	gamma-Chlordane	17.51	0	17.2	ug/kg	0				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088560.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OU4-PCS-TC-33-050725MSD**											
Q1984-01MSD (Column 1)	alpha-BHC	17.5	0	19.9	ug/kg	114		1		60	144	20
	beta-BHC	17.5	0	19.5	ug/kg	111		0		54	143	20
	delta-BHC	17.5	0	20.0	ug/kg	114		0		29	151	20
	gamma-BHC (Lindane)	17.5	0	20.3	ug/kg	116		1		61	140	20
	Heptachlor	17.5	0	20.7	ug/kg	118		1		63	135	20
	Aldrin	17.5	0	20.4	ug/kg	117		3		49	139	20
	Heptachlor epoxide	17.5	0	19.8	ug/kg	113		0		41	156	20
	Endosulfan I	17.5	0	20.0	ug/kg	114		1		56	142	20
	Dieldrin	17.5	0	20.2	ug/kg	115		1		47	161	20
	4,4'-DDE	17.5	0	19.4	ug/kg	111		1		55	136	20
	Endrin	17.5	0	19.8	ug/kg	113		1		57	139	20
	Endosulfan II	17.5	0	19.2	ug/kg	110		1		40	163	20
	4,4'-DDD	17.5	0	20.3	ug/kg	116		1		47	163	20
	Endosulfan sulfate	17.5	0	19.4	ug/kg	111		1		62	139	20
	4,4'-DDT	17.5	0	19.4	ug/kg	111		1		51	146	20
	Methoxychlor	17.5	0	18.8	ug/kg	107		1		54	136	20
	Endrin ketone	17.5	0	19.7	ug/kg	113		1		60	129	20
	Endrin aldehyde	17.5	0	19.6	ug/kg	112		1		59	132	20
	alpha-Chlordane	17.5	0	19.9	ug/kg	114		1		39	166	20
	gamma-Chlordane	17.5	0	19.8	ug/kg	113		0		44	175	20
Client Sample ID:	**OU4-PCS-TC-33-050725MSD**											
Q1984-01MSD (Column 2)	alpha-BHC	17.5	0	17.8	ug/kg	0		2		60	144	20
	beta-BHC	17.5	0	17.8	ug/kg	0		3		54	143	20
	delta-BHC	17.5	0	17.6	ug/kg	0		2		29	151	20
	gamma-BHC (Lindane)	17.5	0	17.2	ug/kg	0		1		61	140	20
	Heptachlor	17.5	0	17.8	ug/kg	0		1		63	135	20
	Aldrin	17.5	0	17.5	ug/kg	0		2		49	139	20
	Heptachlor epoxide	17.5	0	17.3	ug/kg	0		1		41	156	20
	Endosulfan I	17.5	0	17.4	ug/kg	0		1		56	142	20
	Dieldrin	17.5	0	17.4	ug/kg	0		1		47	161	20
	4,4'-DDE	17.5	0	17.3	ug/kg	0		2		55	136	20
	Endrin	17.5	0	17.4	ug/kg	0		1		57	139	20
	Endosulfan II	17.5	0	16.8	ug/kg	0		1		40	163	20
	4,4'-DDD	17.5	0	16.7	ug/kg	0		1		47	163	20
	Endosulfan sulfate	17.5	0	16.9	ug/kg	0		3		62	139	20
	4,4'-DDT	17.5	0	17.1	ug/kg	0		0		51	146	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD088560.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Q1984-01MSD (Column 2)	Methoxychlor	17.5	0	16.8	ug/kg	0		1		54	136	20
	Endrin ketone	17.5	0	17.2	ug/kg	0		1		60	129	20
	Endrin aldehyde	17.5	0	17.0	ug/kg	0		0		59	132	20
	alpha-Chlordane	17.5	0	17.3	ug/kg	0		1		39	166	20
	gamma-Chlordane	17.5	0	17.3	ug/kg	0		1		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PD088466.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167950BS (Column 1)	alpha-BHC	16.65	16.3	ug/kg	98				84	123	
	beta-BHC	16.65	16.1	ug/kg	97				82	123	
	delta-BHC	16.65	16.8	ug/kg	101				83	126	
	gamma-BHC (Lindane)	16.65	16.2	ug/kg	97				83	125	
	Heptachlor	16.65	17.0	ug/kg	102				83	122	
	Aldrin	16.65	16.8	ug/kg	101				82	124	
	Heptachlor epoxide	16.65	16.8	ug/kg	101				83	120	
	Endosulfan I	16.65	17.1	ug/kg	103				81	124	
	Dieldrin	16.65	17.3	ug/kg	104				85	121	
	4,4'-DDE	16.65	16.8	ug/kg	101				81	123	
	Endrin	16.65	17.1	ug/kg	103				76	130	
	Endosulfan II	16.65	16.8	ug/kg	101				80	125	
	4,4'-DDD	16.65	17.1	ug/kg	103				80	131	
	Endosulfan sulfate	16.65	17.2	ug/kg	103				81	122	
	4,4'-DDT	16.65	17.4	ug/kg	105				70	129	
	Methoxychlor	16.65	17.0	ug/kg	102				60	119	
	Endrin ketone	16.65	17.3	ug/kg	104				77	132	
	Endrin aldehyde	16.65	16.9	ug/kg	102				79	124	
	alpha-Chlordane	16.65	16.9	ug/kg	102				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
PB167950BS (Column 2)	alpha-BHC	16.65	15.1	ug/kg	91				84	123	
	beta-BHC	16.65	15.4	ug/kg	92				82	123	
	delta-BHC	16.65	15.3	ug/kg	92				83	126	
	gamma-BHC (Lindane)	16.65	15.0	ug/kg	90				83	125	
	Heptachlor	16.65	14.9	ug/kg	89				83	122	
	Aldrin	16.65	15.3	ug/kg	92				82	124	
	Heptachlor epoxide	16.65	15.2	ug/kg	91				83	120	
	Endosulfan I	16.65	15.3	ug/kg	92				81	124	
	Dieldrin	16.65	15.2	ug/kg	91				85	121	
	4,4'-DDE	16.65	15.2	ug/kg	91				81	123	
	Endrin	16.65	14.8	ug/kg	89				76	130	
	Endosulfan II	16.65	15.1	ug/kg	91				80	125	
	4,4'-DDD	16.65	15.2	ug/kg	91				80	131	
	Endosulfan sulfate	16.65	15.0	ug/kg	90				81	122	
	4,4'-DDT	16.65	15.3	ug/kg	92				70	129	
	Methoxychlor	16.65	14.3	ug/kg	86				60	119	
	Endrin ketone	16.65	15.1	ug/kg	91				77	132	
	Endrin aldehyde	16.65	14.9	ug/kg	89				79	124	
	alpha-Chlordane	16.65	15.2	ug/kg	91				84	120	
	gamma-Chlordane	16.65	15.2	ug/kg	91				83	122	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1982 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PD088526.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167959BS (Column 1)	alpha-BHC	16.65	17.7	ug/kg	106				84	123	
	beta-BHC	16.65	17.3	ug/kg	104				82	123	
	delta-BHC	16.65	18.0	ug/kg	108				83	126	
	gamma-BHC (Lindane)	16.65	17.5	ug/kg	105				83	125	
	Heptachlor	16.65	18.0	ug/kg	108				83	122	
	Aldrin	16.65	18.1	ug/kg	109				82	124	
	Heptachlor epoxide	16.65	18.1	ug/kg	109				83	120	
	Endosulfan I	16.65	18.2	ug/kg	109				81	124	
	Dieldrin	16.65	18.3	ug/kg	110				85	121	
	4,4'-DDE	16.65	17.7	ug/kg	106				81	123	
	Endrin	16.65	17.4	ug/kg	105				76	130	
	Endosulfan II	16.65	17.6	ug/kg	106				80	125	
	4,4'-DDD	16.65	18.5	ug/kg	111				80	131	
	Endosulfan sulfate	16.65	17.9	ug/kg	108				81	122	
	4,4'-DDT	16.65	17.3	ug/kg	104				70	129	
	Methoxychlor	16.65	16.6	ug/kg	100				60	119	
	Endrin ketone	16.65	18.0	ug/kg	108				77	132	
	Endrin aldehyde	16.65	17.8	ug/kg	107				79	124	
	alpha-Chlordane	16.65	18.1	ug/kg	109				84	120	
	gamma-Chlordane	16.65	18.1	ug/kg	109				83	122	
PB167959BS (Column 2)	alpha-BHC	16.65	16.1	ug/kg	97				84	123	
	beta-BHC	16.65	16.0	ug/kg	96				82	123	
	delta-BHC	16.65	16.2	ug/kg	97				83	126	
	gamma-BHC (Lindane)	16.65	15.9	ug/kg	95				83	125	
	Heptachlor	16.65	15.8	ug/kg	95				83	122	
	Aldrin	16.65	16.2	ug/kg	97				82	124	
	Heptachlor epoxide	16.65	16.0	ug/kg	96				83	120	
	Endosulfan I	16.65	15.9	ug/kg	95				81	124	
	Dieldrin	16.65	16.0	ug/kg	96				85	121	
	4,4'-DDE	16.65	16.1	ug/kg	97				81	123	
	Endrin	16.65	15.4	ug/kg	92				76	130	
	Endosulfan II	16.65	15.8	ug/kg	95				80	125	
	4,4'-DDD	16.65	16.4	ug/kg	98				80	131	
	Endosulfan sulfate	16.65	15.7	ug/kg	94				81	122	
	4,4'-DDT	16.65	15.3	ug/kg	92				70	129	
	Methoxychlor	16.65	15.0	ug/kg	90				60	119	
	Endrin ketone	16.65	15.8	ug/kg	95				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	15.9	ug/kg	95				84	120	
	gamma-Chlordane	16.65	16.0	ug/kg	96				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167950BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab Sample ID: PB167950BL Lab File ID: PD088465.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/12/2025

Date Analyzed (1): 05/12/2025 Date Analyzed (2): 05/12/2025

Time Analyzed (1): 15:16 Time Analyzed (2): 15:16

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167950BS	PB167950BS	PD088466.D	05/12/2025	05/12/2025
TP-1MS	Q1982-01MS	PD088486.D	05/12/2025	05/12/2025
TP-1MSD	Q1982-01MSD	PD088487.D	05/12/2025	05/12/2025
TP-3	Q1982-03	PD088489.D	05/12/2025	05/12/2025
TP-6	Q1982-06	PD088492.D	05/12/2025	05/12/2025
TP-1	Q1982-01	PD088501.D	05/13/2025	05/13/2025
TP-2B	Q1982-02	PD088502.D	05/13/2025	05/13/2025
TP-4	Q1982-04	PD088503.D	05/13/2025	05/13/2025
TP-5	Q1982-05	PD088504.D	05/13/2025	05/13/2025
TP-8	Q1982-07	PD088505.D	05/13/2025	05/13/2025

COMMENTS:

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167959BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG NO.: Q1982

Lab Sample ID: PB167959BL Lab File ID: PD088525.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/13/2025

Date Analyzed (1): 05/13/2025 Date Analyzed (2): 05/13/2025

Time Analyzed (1): 17:02 Time Analyzed (2): 17:02

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167959BS	PB167959BS	PD088526.D	05/13/2025	05/13/2025
TP-9	Q1982-08	PD088527.D	05/13/2025	05/13/2025
OU4-PCS-TC-33-050725MS	Q1984-01MS	PD088559.D	05/15/2025	05/15/2025
OU4-PCS-TC-33-050725MSD	Q1984-01MSD	PD088560.D	05/15/2025	05/15/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PD088501.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088501.D	1	05/12/25 09:05	05/13/25 10:22	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.46	U	0.46	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.46	U	0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Raw Data: **PD088501.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1	SDG No.:	Q1982
Lab Sample ID:	Q1982-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088501.D	1	05/12/25 09:05	05/13/25 10:22	PB167950

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: **PD088501.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:22
Operator : AR\AJ
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	36816909	256.4E6	18.432	17.535
28)	SA Decachlor...	9.073	8.075	54227500	265.2E6	16.392	14.352
	Target Compounds						

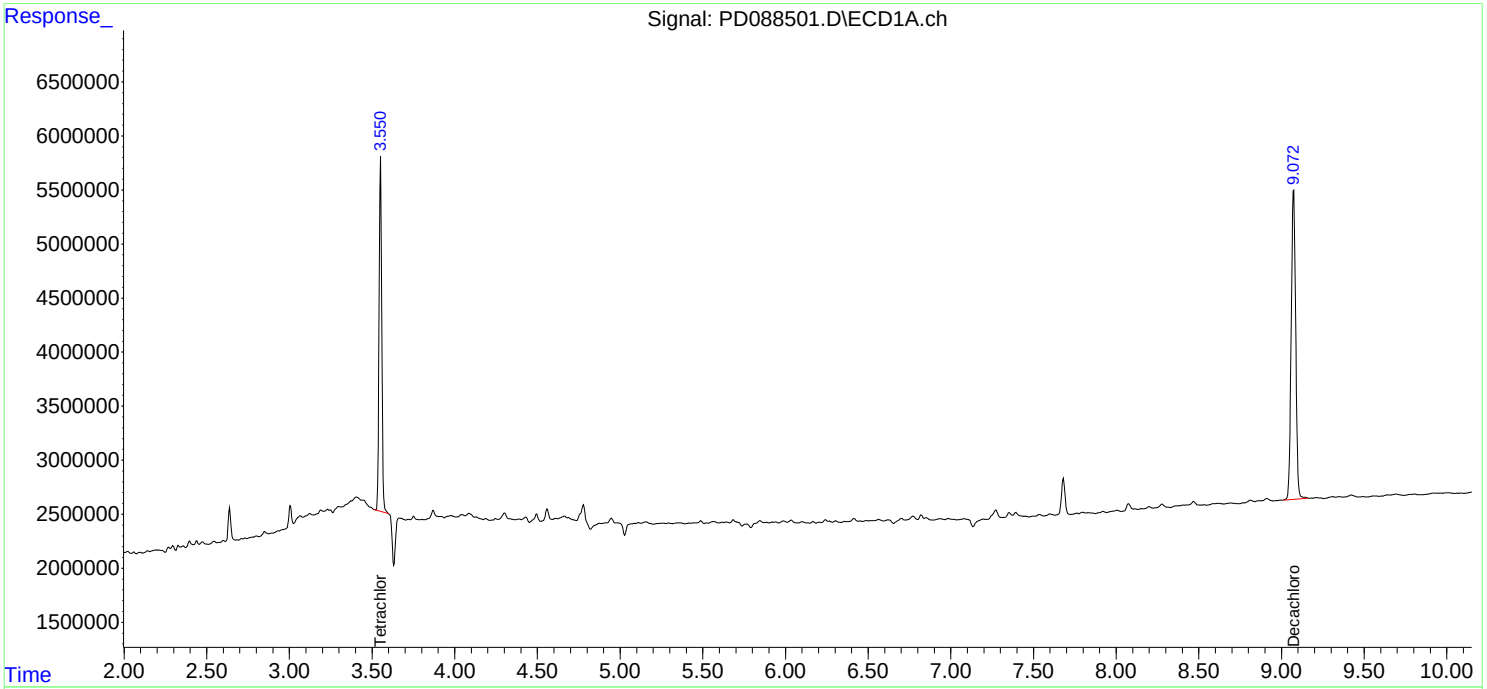
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

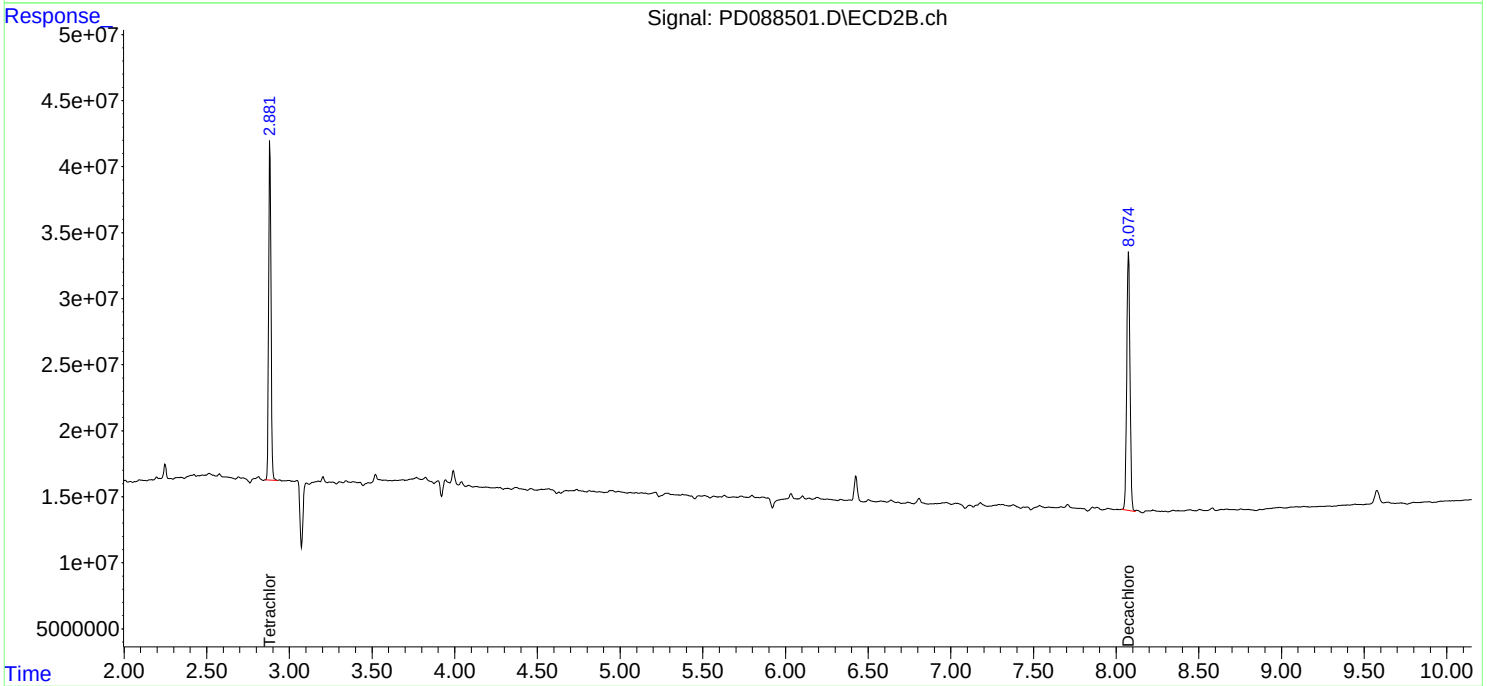
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:22
Operator : AR\AJ
Sample : Q1982-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

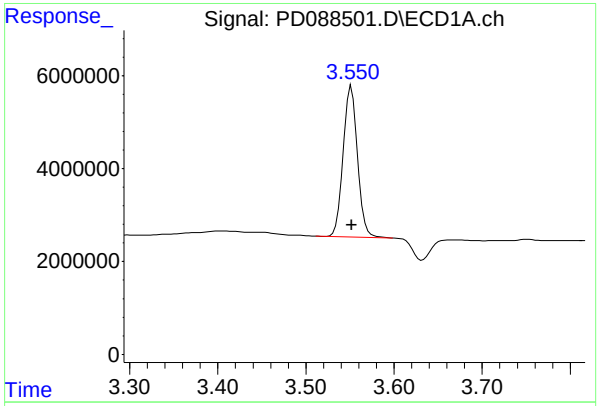
Instrument :
ECD_D
ClientSampleId :
TP-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



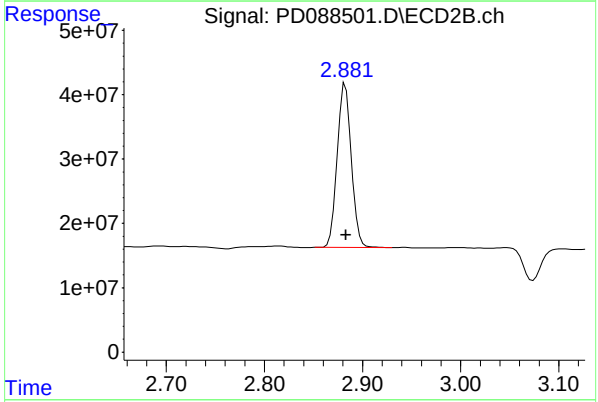




#1 Tetrachloro-m-xylene

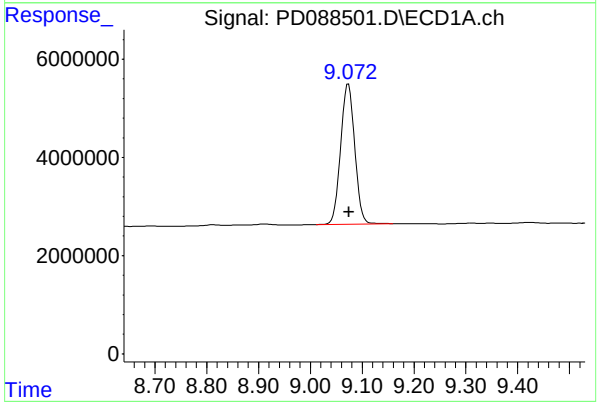
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 36816909
Conc: 18.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-1



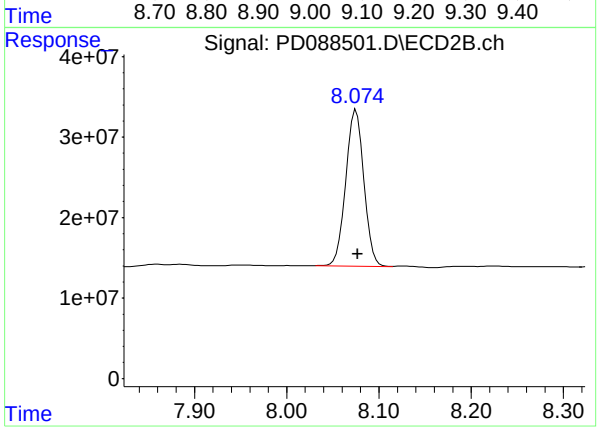
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 256386756
Conc: 17.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 54227500
Conc: 16.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 265222103
Conc: 14.35 ng/ml

Raw Data: **PD088502.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088502.D	1	05/12/25 09:05	05/13/25 10:35	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	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	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	SPK: 20

Raw Data: **PD088502.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088502.D	1	05/12/25 09:05	05/13/25 10:35	PB167950

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: **PD088502.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:35
Operator : AR\AJ
Sample : Q1982-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-2B

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	39958325	275.4E6	20.005	18.832
28)	SA Decachlor...	9.073	8.073	58928727	283.8E6	17.813	15.355m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:35
Operator : AR\AJ
Sample : Q1982-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

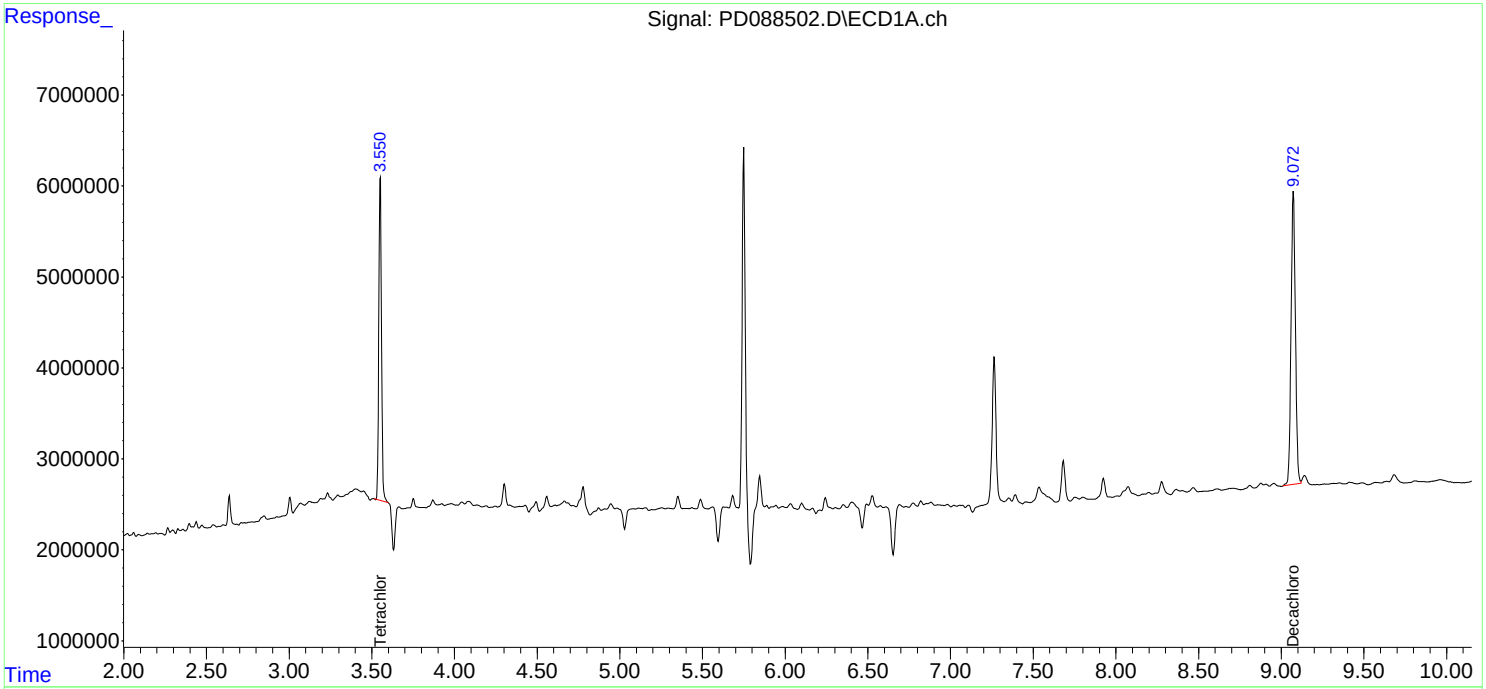
Instrument :
ECD_D
ClientSampleId :
TP-2B

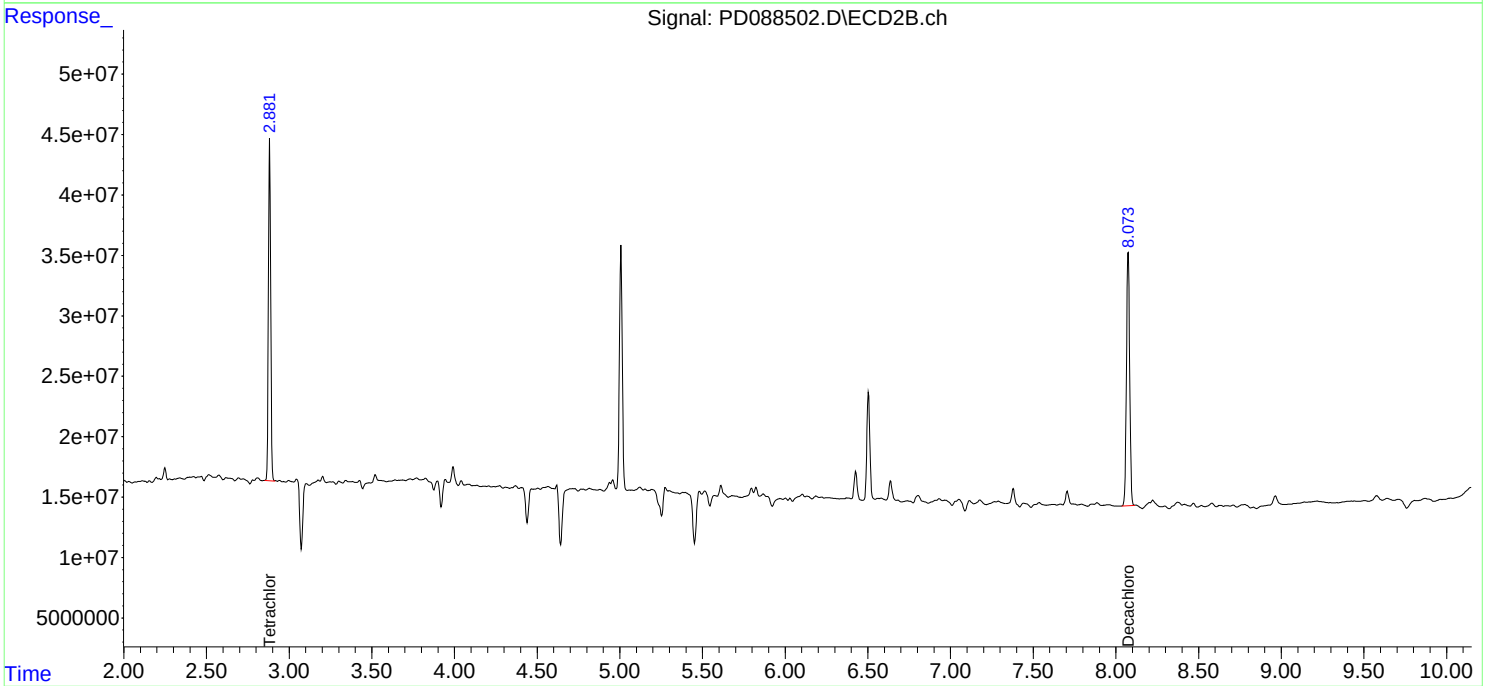
Manual Integrations APPROVED

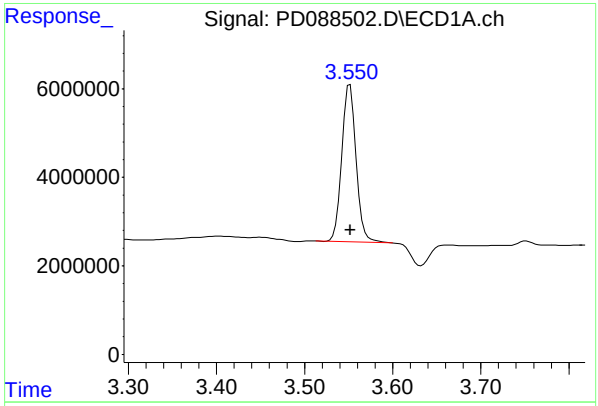
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







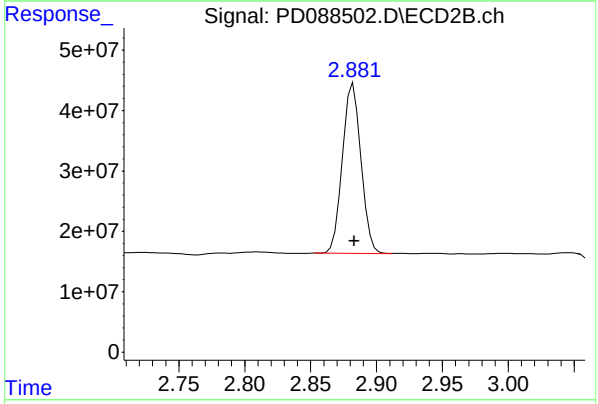
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 39958325
Conc: 20.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2B

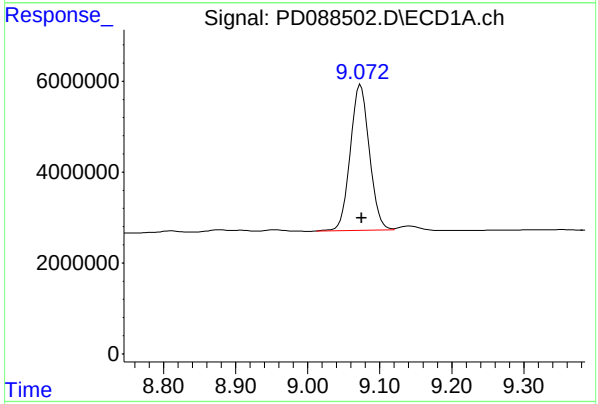
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



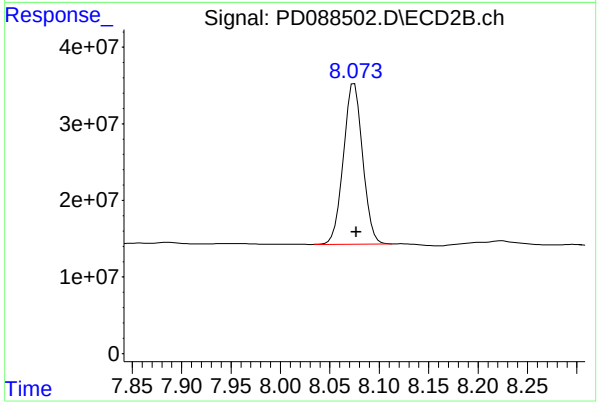
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 275360860
Conc: 18.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.001 min
Response: 58928727
Conc: 17.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 283759445
Conc: 15.36 ng/ml m

Raw Data: **PD088489.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.7 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
PD088489.D	1	05/12/25 09:05	05/12/25 20:44	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.6		20 - 144	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		19 - 148	111%	SPK: 20

Raw Data: **PD088489.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-3	SDG No.:	Q1982
Lab Sample ID:	Q1982-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.7 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
PD088489.D	1	05/12/25 09:05	05/12/25 20:44	PB167950

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: **PD088489.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:44
Operator : AR\AJ
Sample : Q1982-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:30:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.883	44277339	309.2E6	22.168	21.146
28)	SA Decachlor...	9.074	8.075	74870189	363.3E6	22.632	19.657
	Target Compounds						

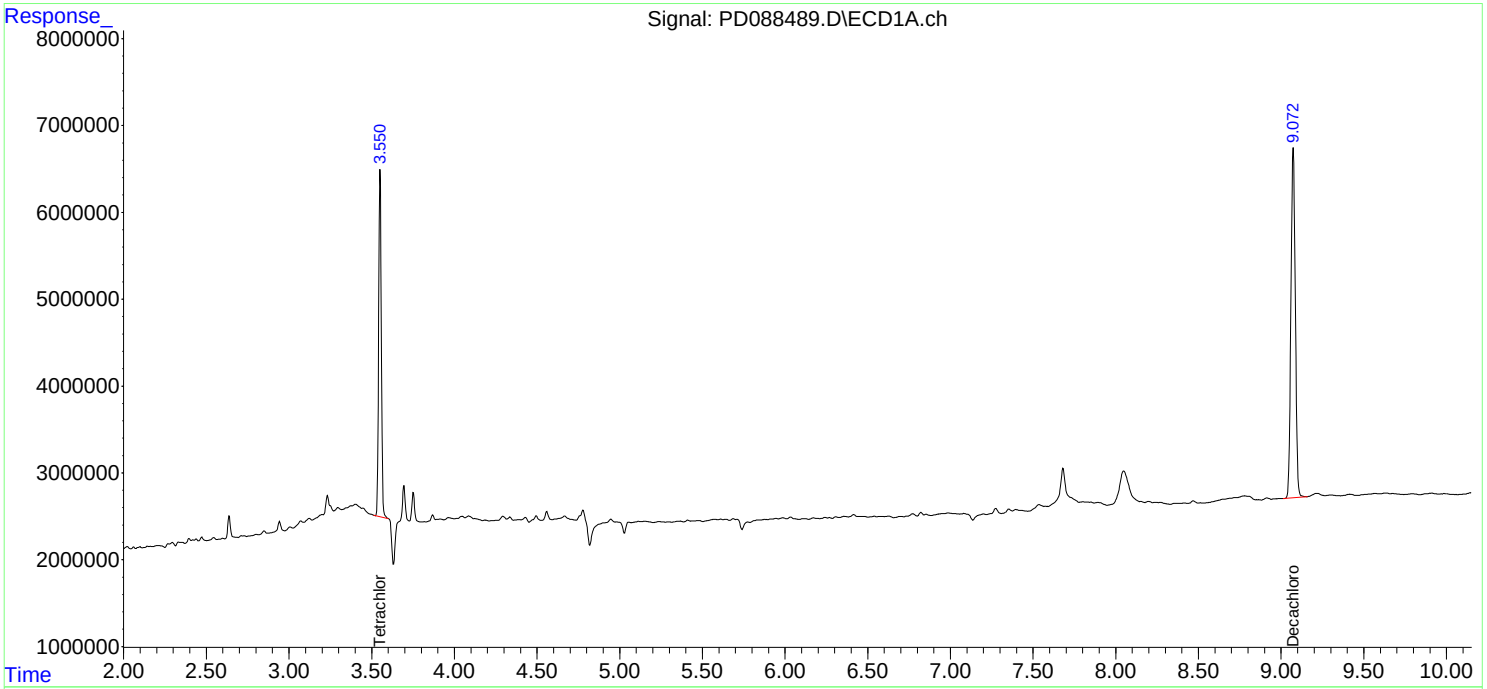
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

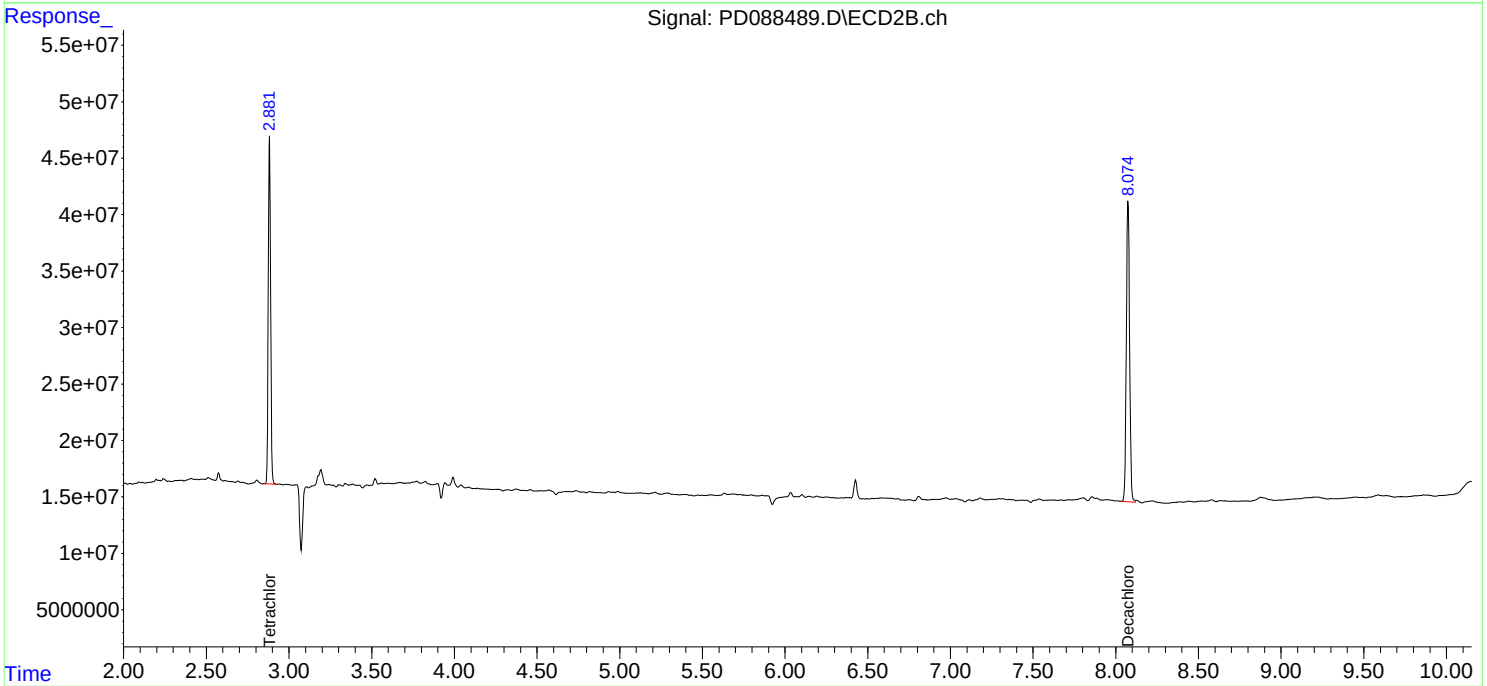
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:44
Operator : AR\AJ
Sample : Q1982-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

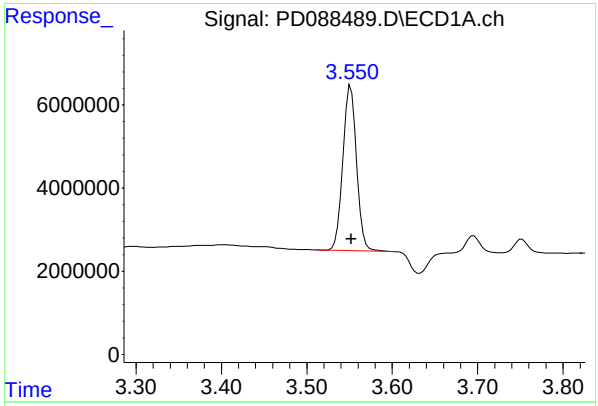
Instrument :
ECD_D
ClientSampleId :
TP-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:30:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



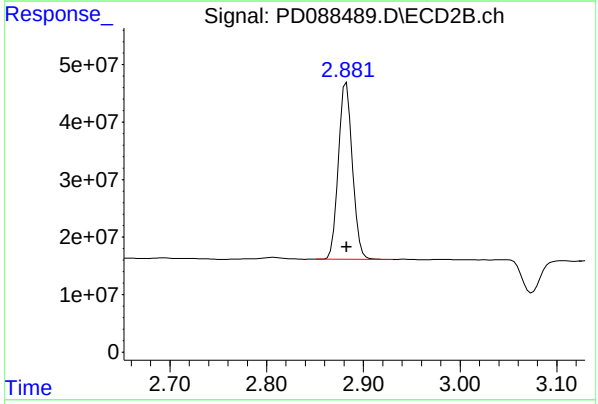




#1 Tetrachloro-m-xylene

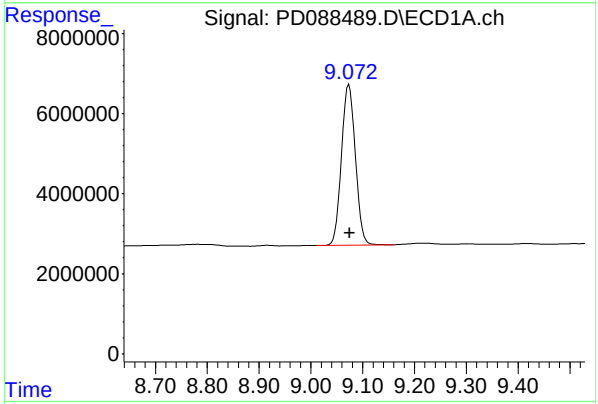
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 44277339
Conc: 22.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-3



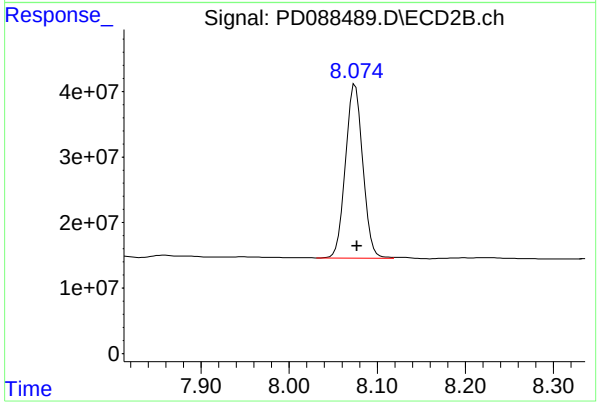
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 309191833
Conc: 21.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 74870189
Conc: 22.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 363250538
Conc: 19.66 ng/ml

Raw Data: **PD088503.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088503.D	1	05/12/25 09:05	05/13/25 10:49	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.7		20 - 144	58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.0		19 - 148	70%	SPK: 20

Raw Data: **PD088503.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-4	SDG No.:	Q1982
Lab Sample ID:	Q1982-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088503.D	1	05/12/25 09:05	05/13/25 10:49	PB167950

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: **PD088503.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:49
Operator : AR\AJ
Sample : Q1982-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-4

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.550	2.881	27959457	196.9E6	13.998m	13.466m
28)	SA Decachlor...	9.073	8.074	38700460	170.5E6	11.699	9.227
	Target Compounds						

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

Sample Results: **PD088503.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 10:49
Operator : AR\AJ
Sample : Q1982-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

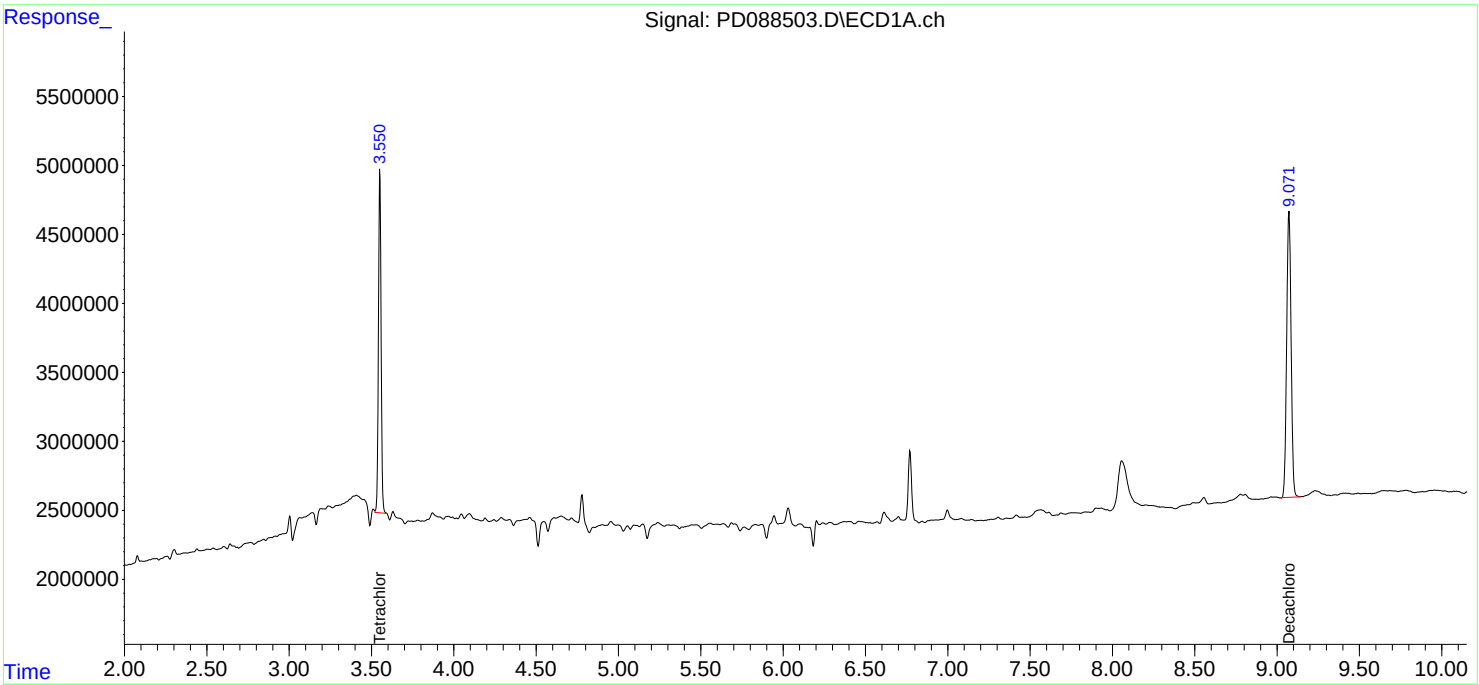
Instrument :
ECD_D
ClientSampleId :
TP-4

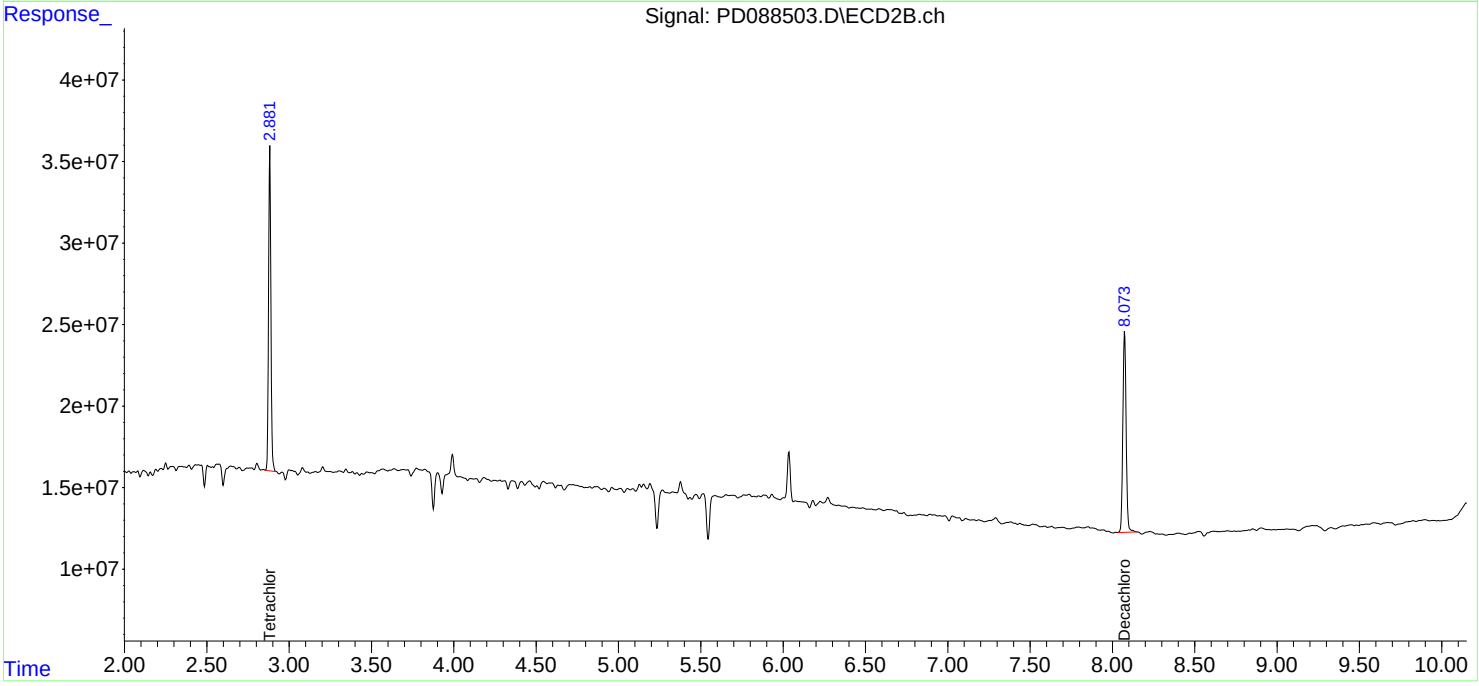
Manual Integrations APPROVED

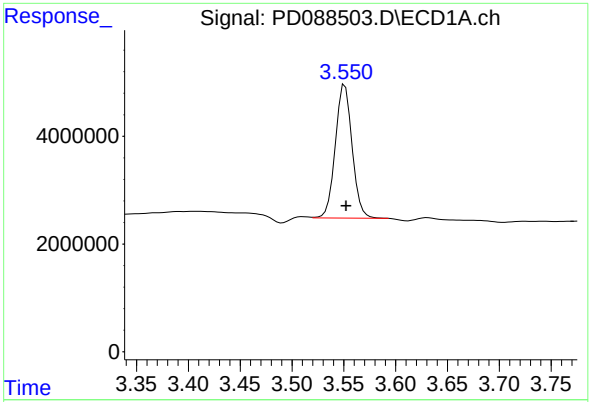
Reviewed By :Abdul Mirza 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:08:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







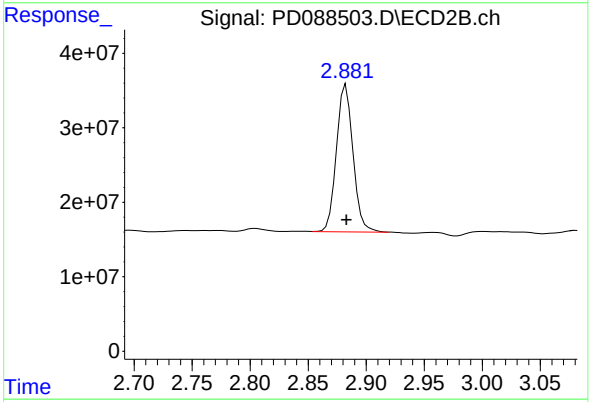
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 27959457
Conc: 14.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4

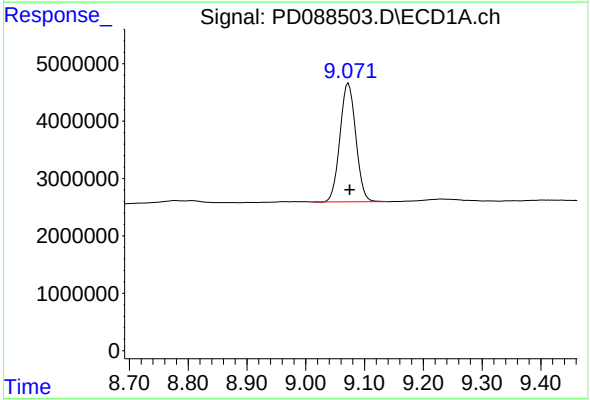
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/19/2025
Supervised By :mohammad ahmed 05/20/2025



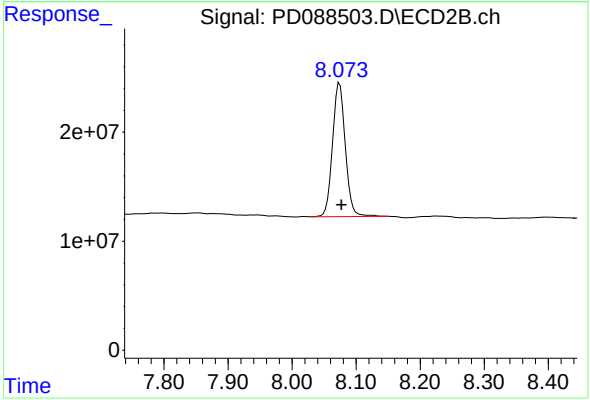
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 196899379
Conc: 13.47 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 38700460
Conc: 11.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 170509928
Conc: 9.23 ng/ml

Raw Data: **PD088504.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.9 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
PD088504.D	1	05/12/25 09:05	05/13/25 11:02	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.8		20 - 144	74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		19 - 148	114%	SPK: 20

Raw Data: **PD088504.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-5	SDG No.:	Q1982
Lab Sample ID:	Q1982-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.9 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
PD088504.D	1	05/12/25 09:05	05/13/25 11:02	PB167950

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: **PD088504.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:02
Operator : AR\AJ
Sample : Q1982-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:09:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.552	2.883	45562070	278.6E6	22.811	19.055
28) SA	Decachlor...	9.073	8.074	49000670	205.4E6	14.812	11.116
	Target Compounds						

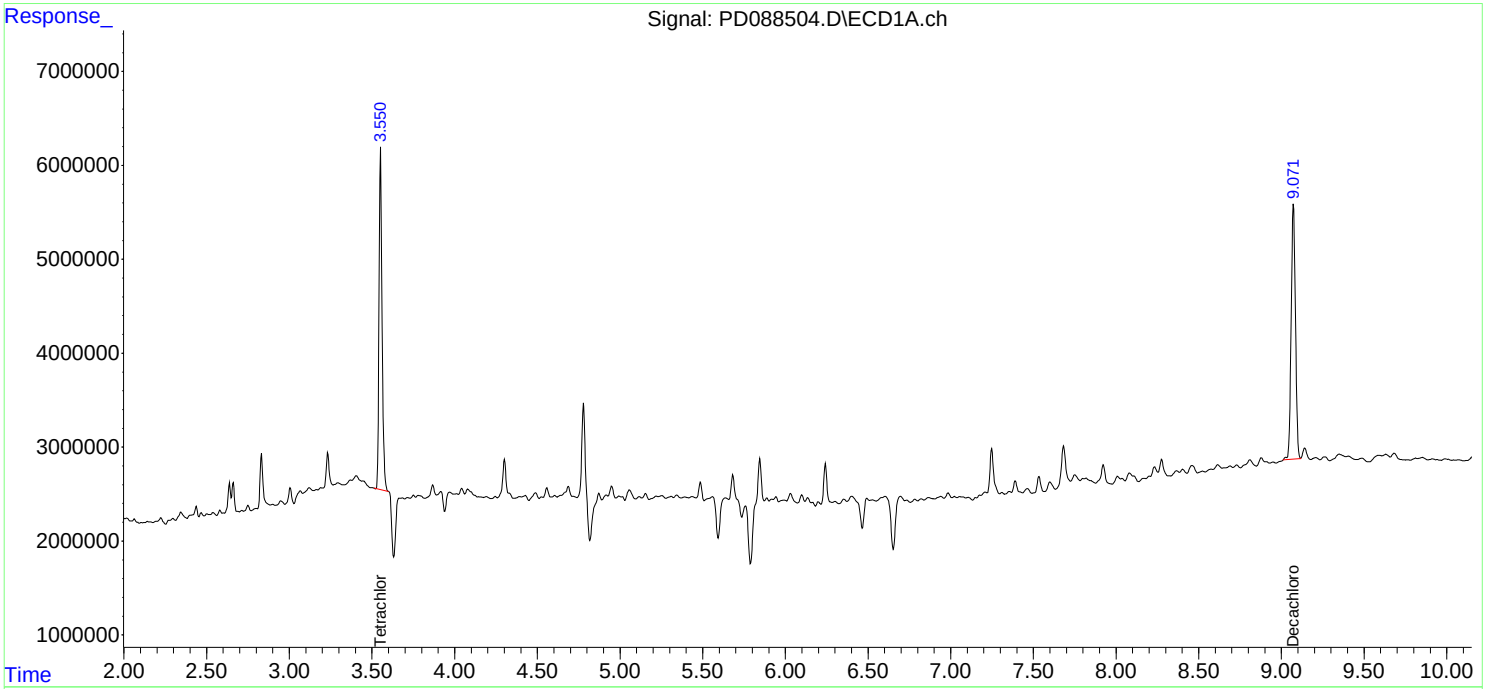
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

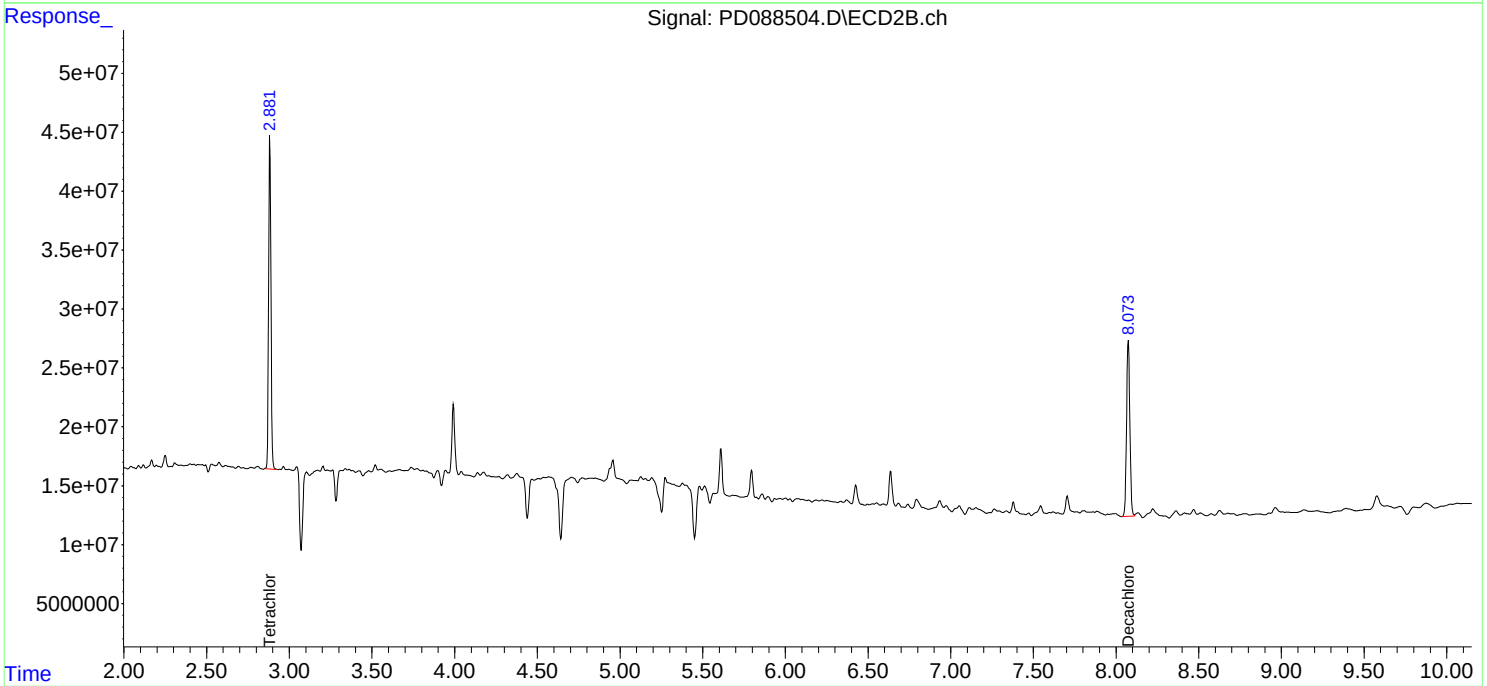
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:02
Operator : AR\AJ
Sample : Q1982-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

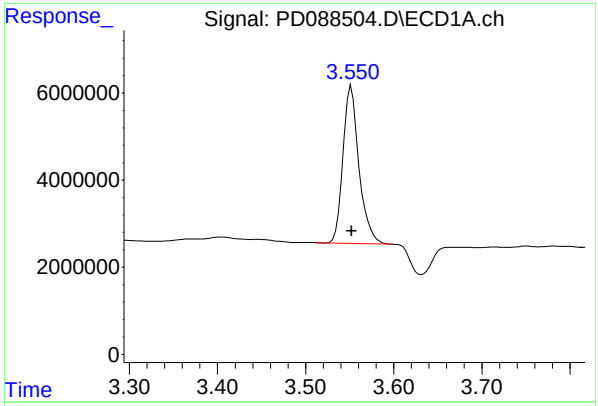
Instrument :
ECD_D
ClientSampleId :
TP-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:09:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



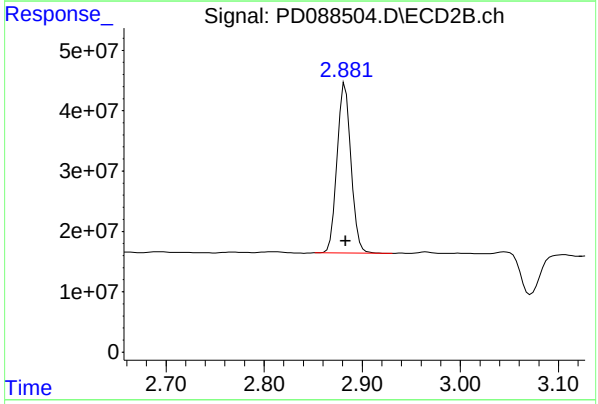




#1 Tetrachloro-m-xylene

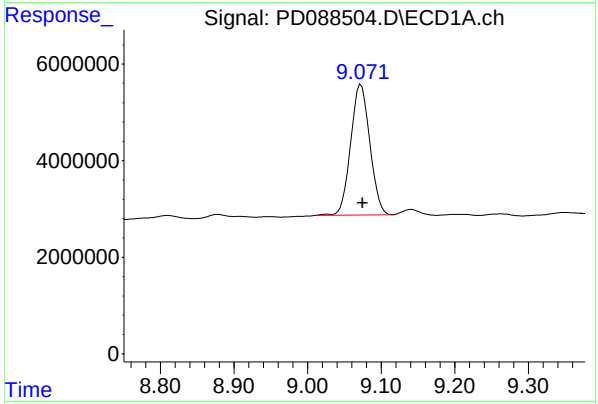
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 45562070
Conc: 22.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5



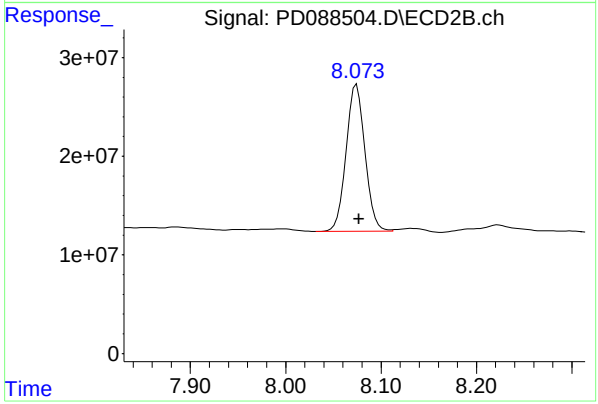
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 278608559
Conc: 19.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 49000670
Conc: 14.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 205419017
Conc: 11.12 ng/ml

Raw Data: **PD088492.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 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
PD088492.D	1	05/12/25 09:05	05/12/25 21:25	PB167950

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	17.6		20 - 144	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		19 - 148	103%	SPK: 20

Raw Data: **PD088492.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2 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
PD088492.D	1	05/12/25 09:05	05/12/25 21:25	PB167950

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: **PD088492.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 21:25
Operator : AR\AJ
Sample : Q1982-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-6

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:30:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.550	2.883	41308726	290.7E6	20.681m	19.884
28) SA	Decachlor...	9.074	8.074	58363641	242.1E6	17.643	13.099 #
	Target Compounds						
6) B	beta-BHC	4.518	4.040	724859	4567239	0.447	0.494m

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

Sample Results: **PD088492.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 21:25
Operator : AR\AJ
Sample : Q1982-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

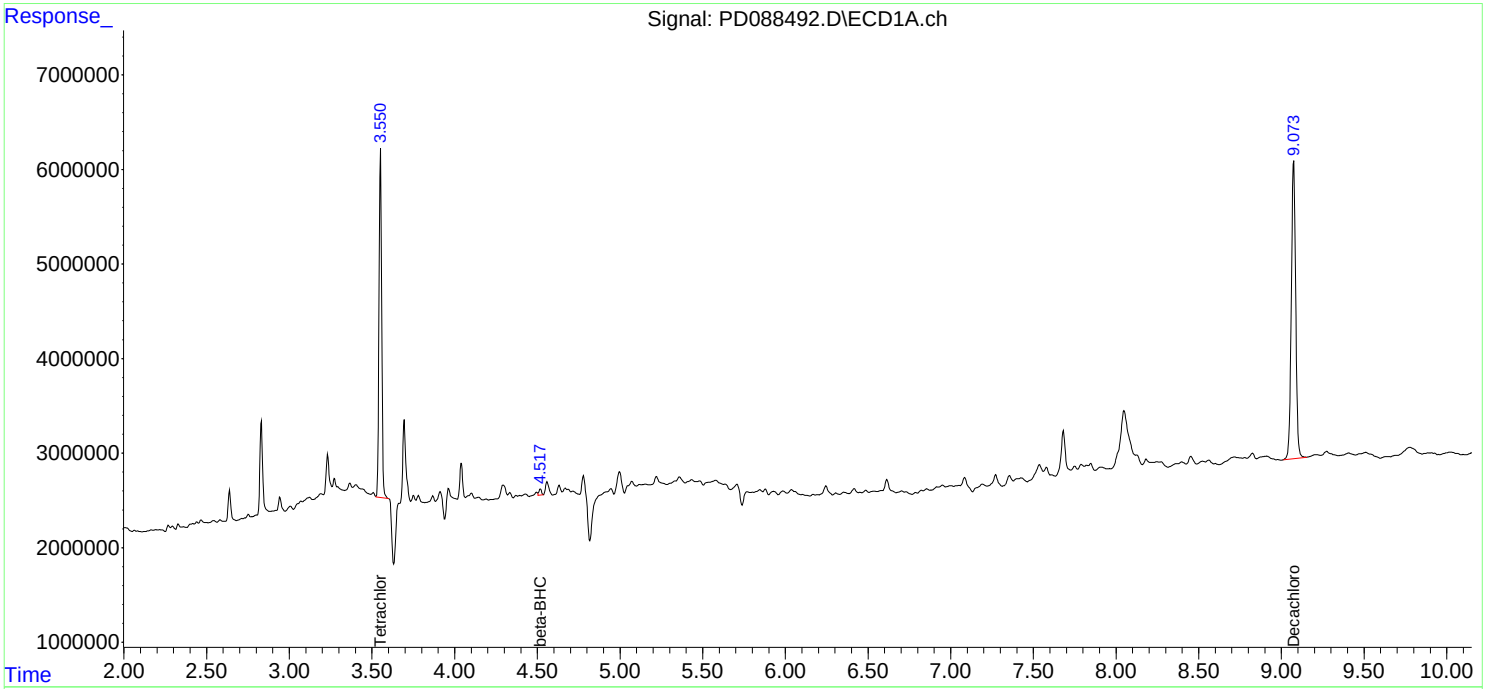
Instrument :
ECD_D
ClientSampleId :
TP-6

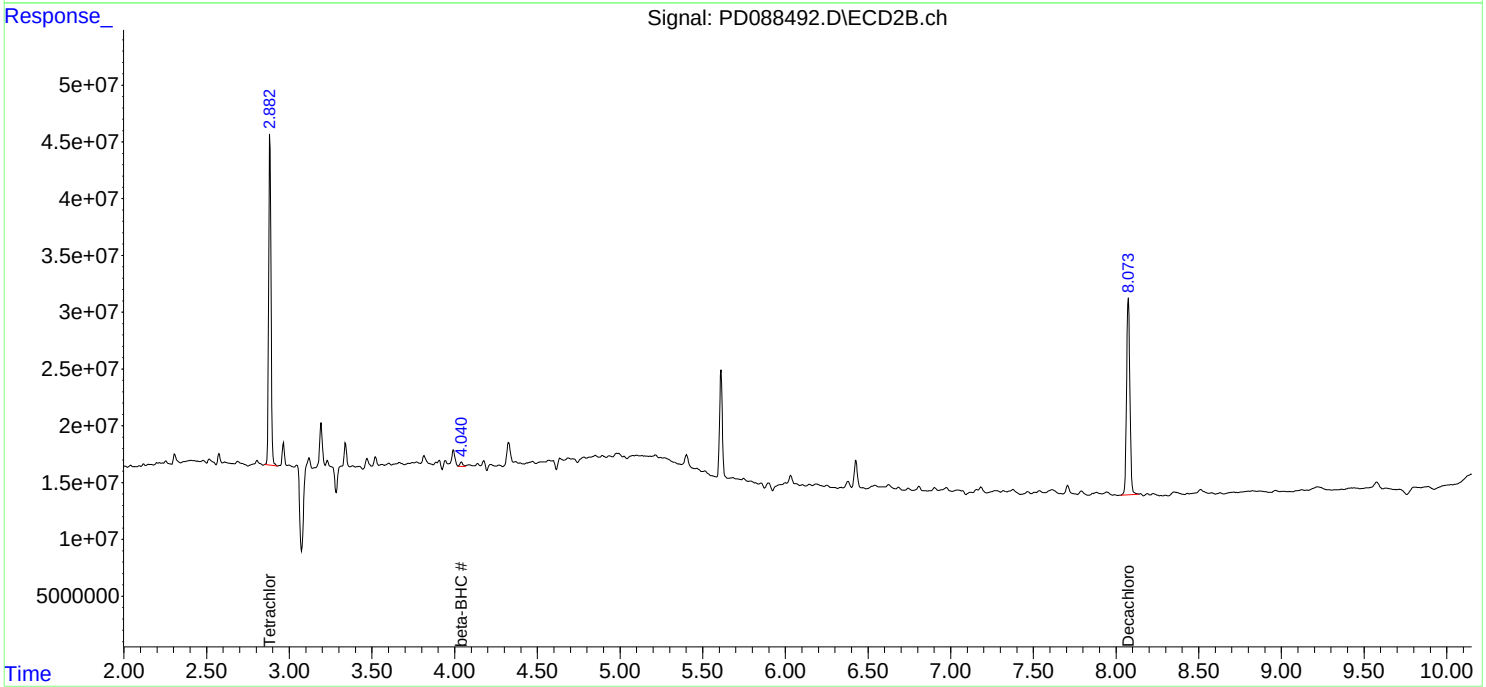
Manual Integrations APPROVED

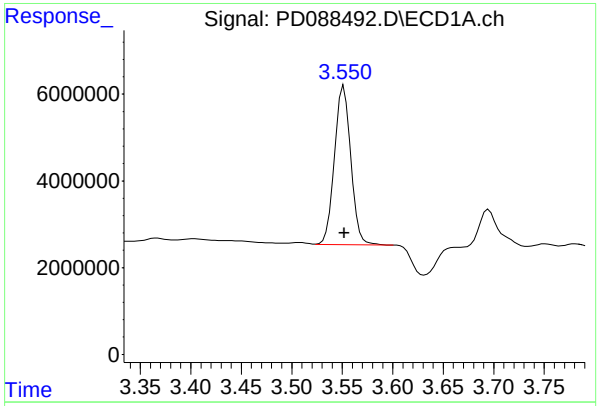
Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:30:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







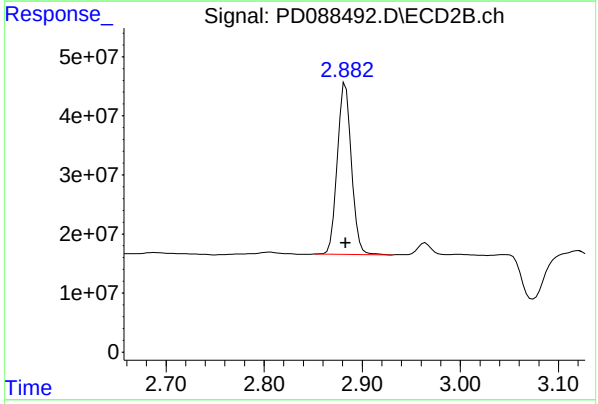
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 mi
Response: 41308726
Conc: 20.68 ng/m

Instrument :
ECD_D
ClientSampleId :
TP-6

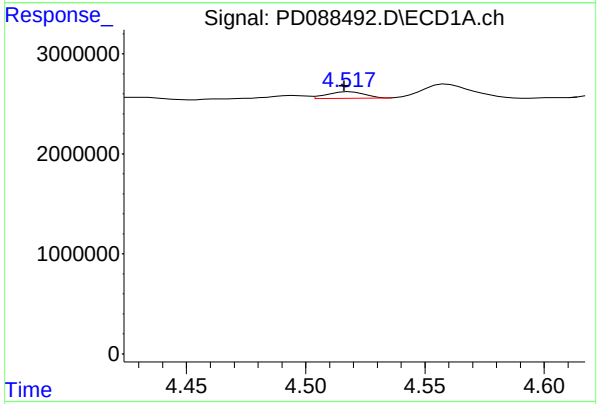
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



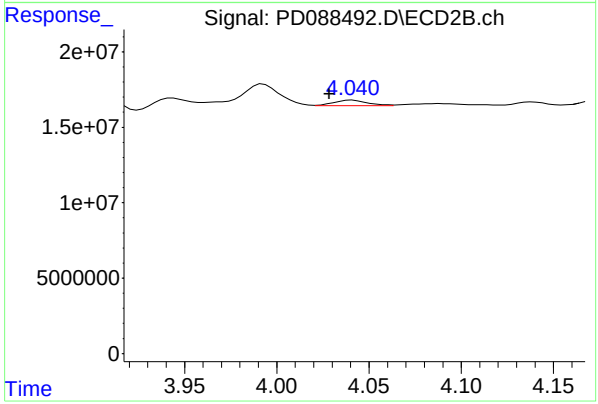
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 290738685
Conc: 19.88 ng/ml



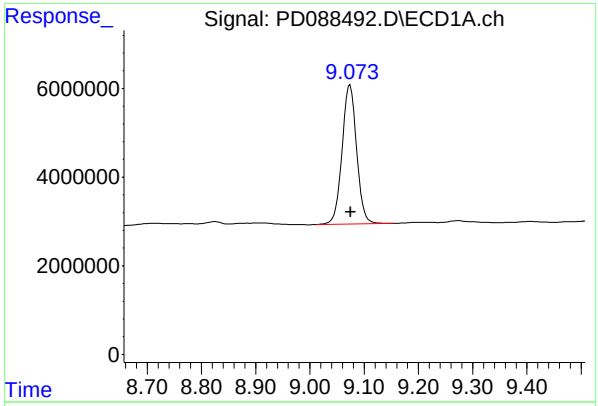
#6 beta-BHC

R.T.: 4.518 min
Delta R.T.: 0.002 min
Response: 724859
Conc: 0.45 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: 0.011 min
Response: 4567239
Conc: 0.49 ng/ml m



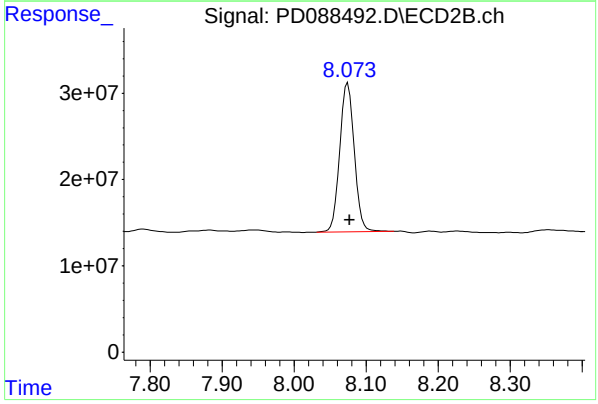
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 mi
Response: 58363641
Conc: 17.64 ng/m

Instrument :
ECD_D
ClientSampleId :
TP-6

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 242068133
Conc: 13.10 ng/ml

Raw Data: **PD088505.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PD088505.D	1	05/12/25 09:05	05/13/25 11:16	PB167950

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	0.46	U	0.46	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	2.20	P	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	2.30		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.4		20 - 144	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	SPK: 20

Raw Data: **PD088505.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-8	SDG No.:	Q1982
Lab Sample ID:	Q1982-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 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
PD088505.D	1	05/12/25 09:05	05/13/25 11:16	PB167950

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: **PD088505.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:16
Operator : AR\AJ
Sample : Q1982-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-8

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:09:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	40006546	277.1E6	20.029	18.950
28)	SA Decachlor...	9.073	8.074	57439512	242.3E6	17.363m	13.114
	Target Compounds						
10)	B gamma-Chl...	5.947	5.126	21194366	107.7E6	5.851	5.305m
11)	B alpha-Chl...	6.032	5.191	19981896	73550009	5.536	3.752m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 11:16
Operator : AR\AJ
Sample : Q1982-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

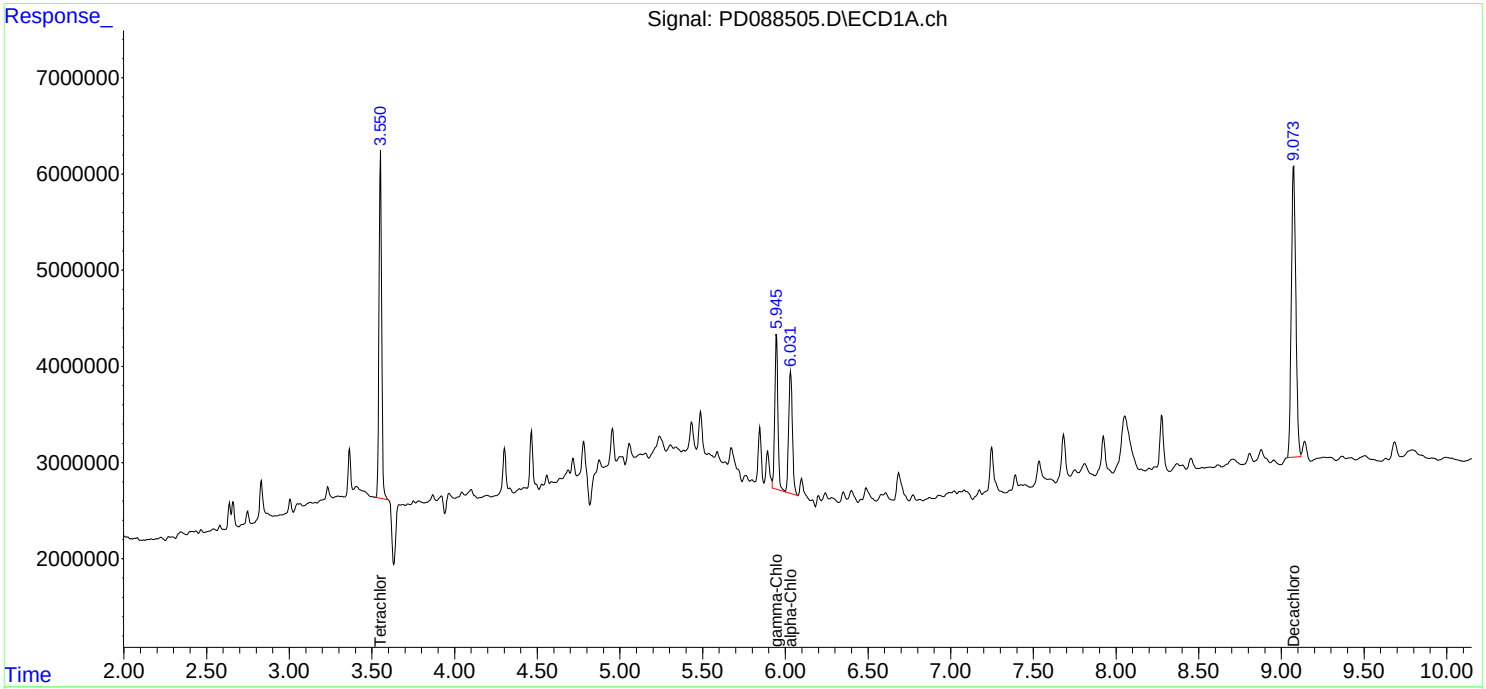
Instrument :
ECD_D
ClientSampleId :
TP-8

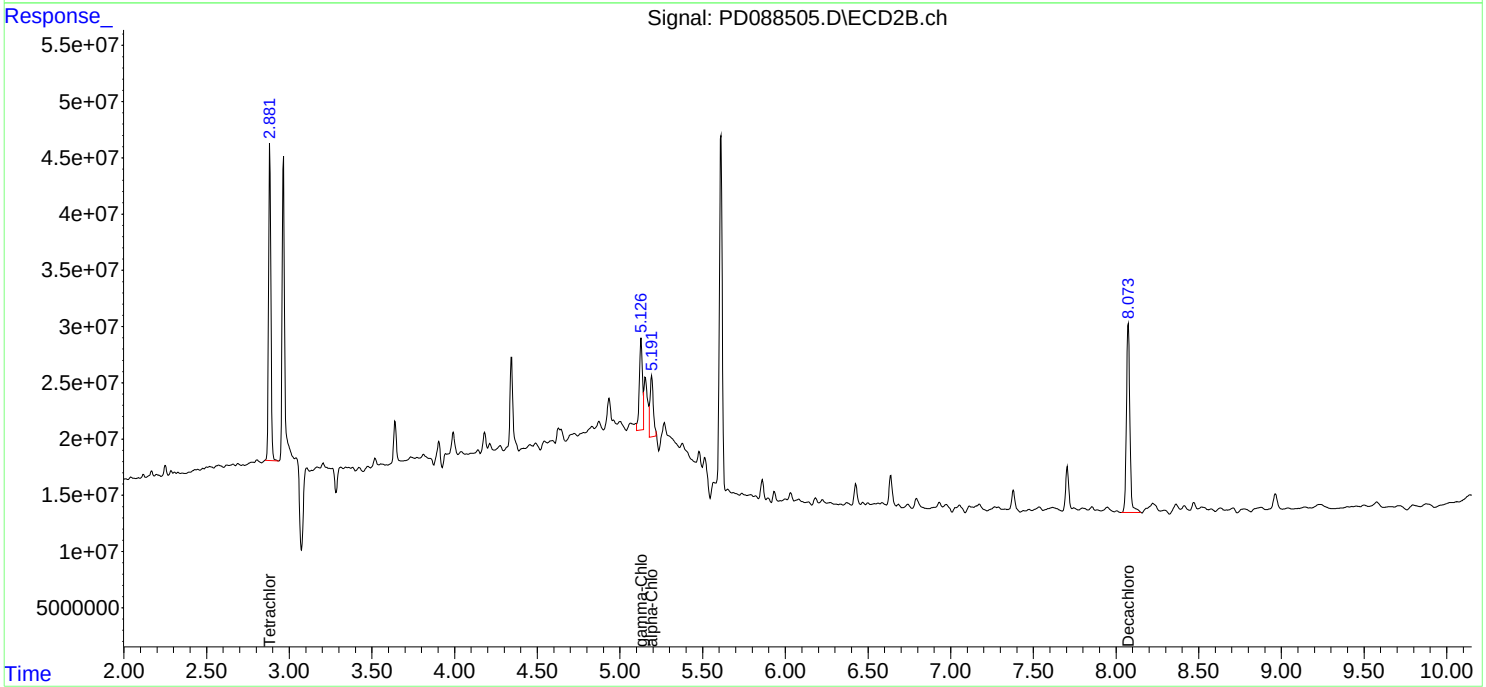
Manual Integrations APPROVED

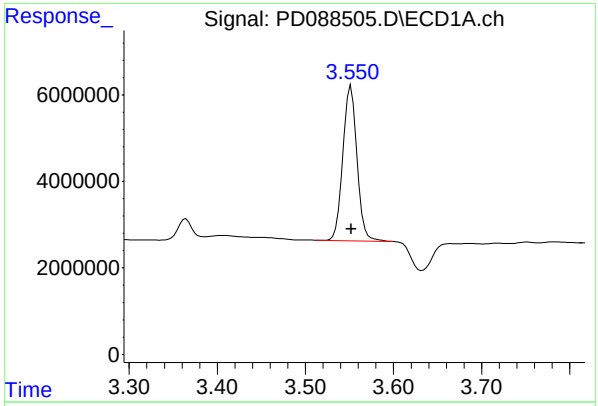
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:09:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 40006546
Conc: 20.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-8

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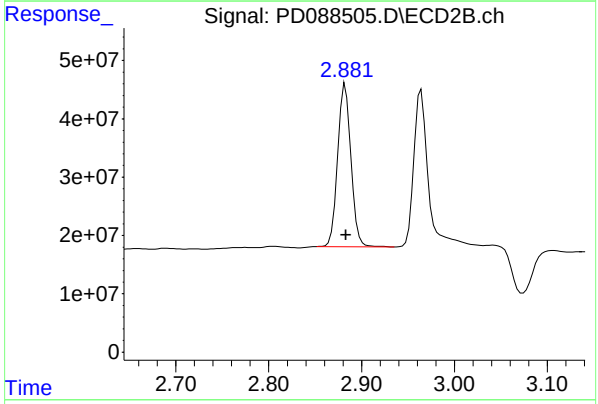
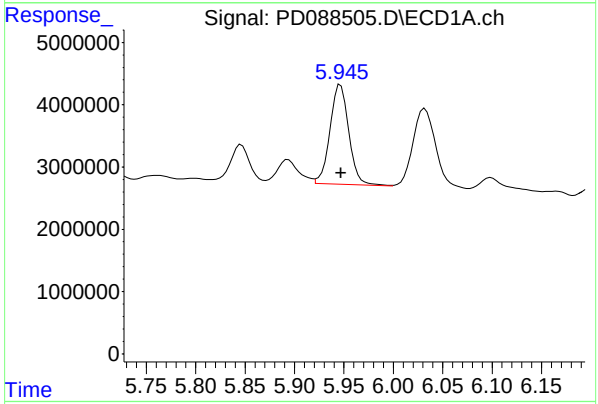


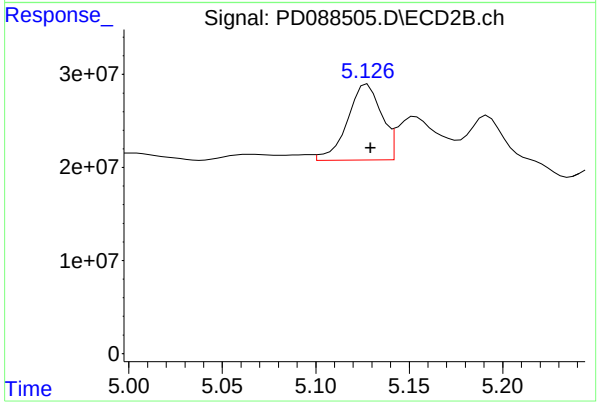
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 277072818
Conc: 18.95 ng/ml



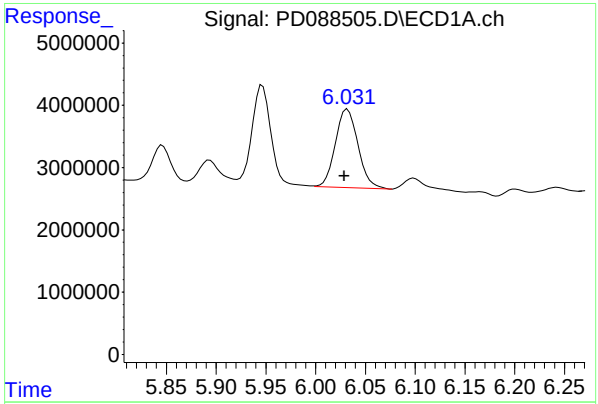
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 21194366
Conc: 5.85 ng/ml



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: -0.003 min
Response: 107676326
Conc: 5.31 ng/ml m



#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.003 mi
Response: 19981896
Conc: 5.54 ng/m

Instrument :
ECD_D
ClientSampleId :
TP-8

Manual Integrations
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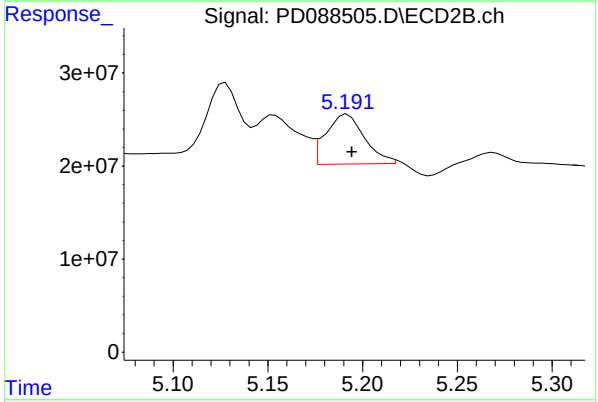
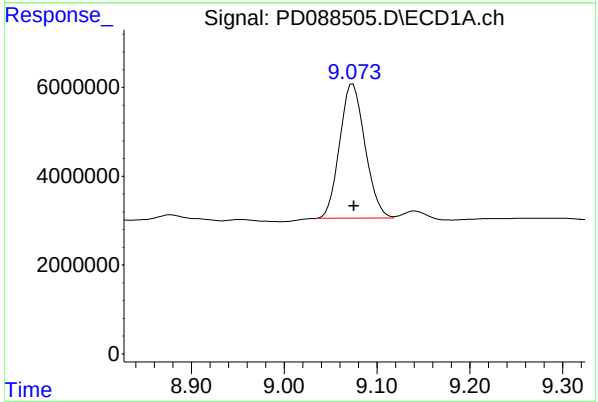
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



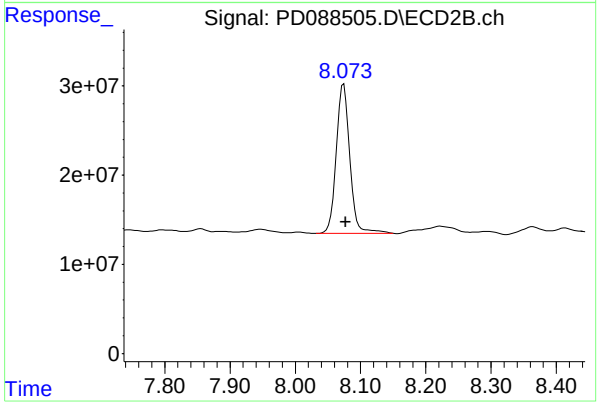
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: -0.004 min
Response: 73550009
Conc: 3.75 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 57439512
Conc: 17.36 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 242342792
Conc: 13.11 ng/ml

Raw Data: **PD088527.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088527.D	1	05/13/25 08:30	05/13/25 17:29	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.77	JP	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.45	U	0.45	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.45	U	0.45	2.10	ug/kg
5103-71-9	alpha-Chlordane	1.70	JP	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	2.00	J	0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.60	U	6.60	40.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.0		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		19 - 148	101%	SPK: 20

Raw Data: **PD088527.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088527.D	1	05/13/25 08:30	05/13/25 17:29	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088527.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:29
Operator : AR\AJ
Sample : Q1982-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-9

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:45:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	40396811	277.0E6	20.225	18.946
28)	SA Decachlor...	9.073	8.072	66255526	278.5E6	20.028m	15.070m
	Target Compounds						
10)	B gamma-Chl...	5.945	5.126	17989199	90384046	4.967m	4.453m
11)	B alpha-Chl...	6.032	5.191	15300888	43388580	4.239	2.213m#
13)	MA Dieldrin	6.350	5.512	2651994	37587095	0.743m	1.886m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088527.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:29
Operator : AR\AJ
Sample : Q1982-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-9

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Integration File signal 1: autoint1.e
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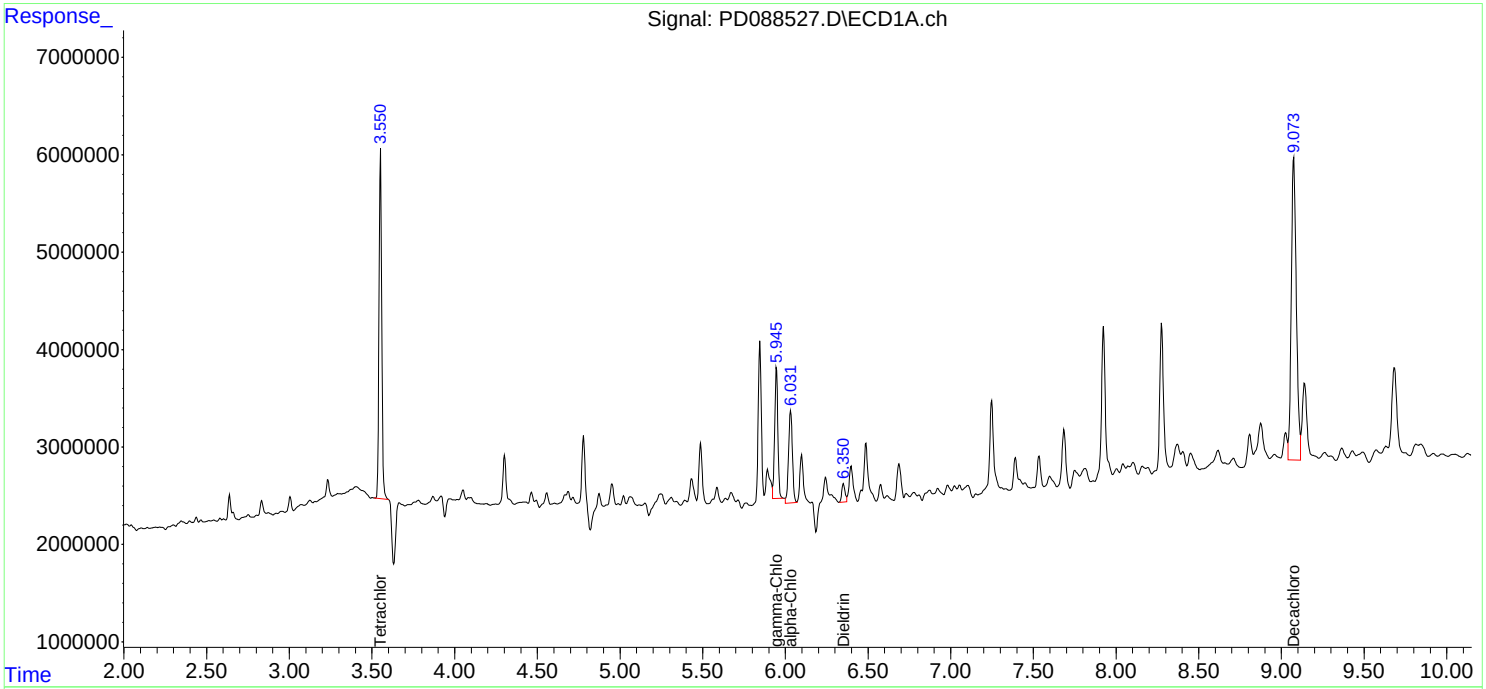
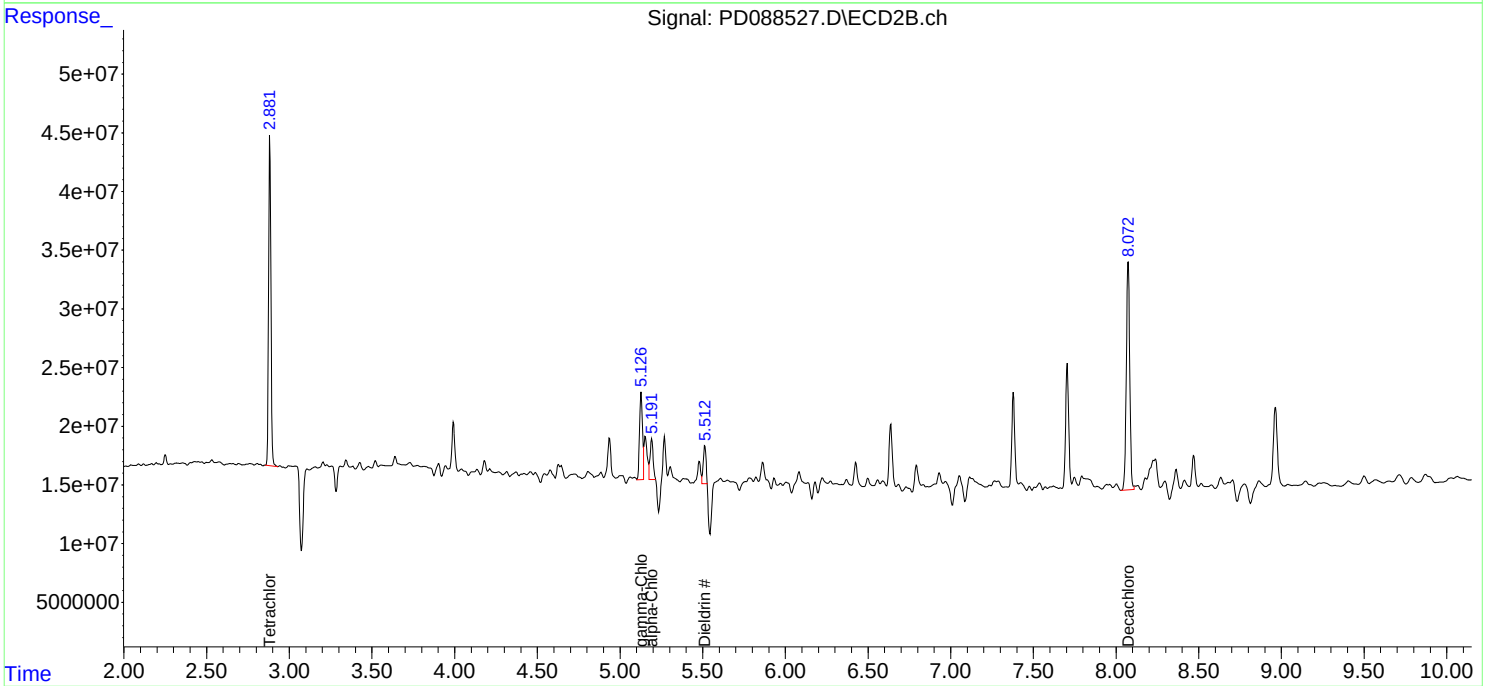
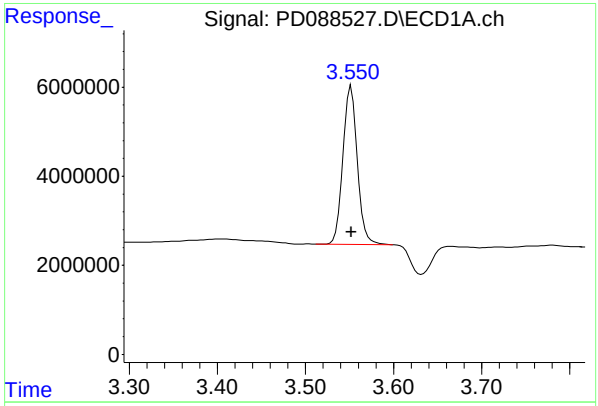
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 mi
Response: 40396811
Conc: 20.22 ng/m

Instrument :
ECD_D
ClientSampleId :
TP-9

Manual Integrations
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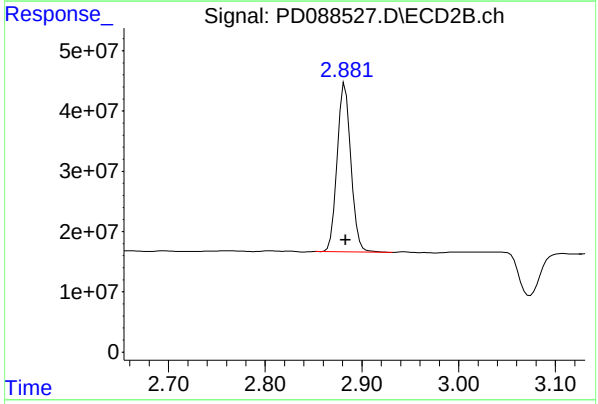
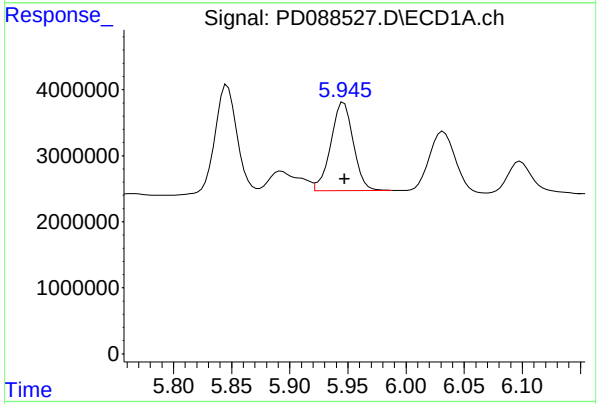


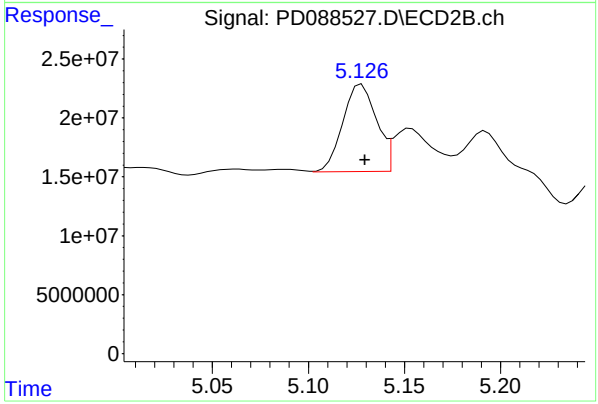
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 277026865
Conc: 18.95 ng/ml



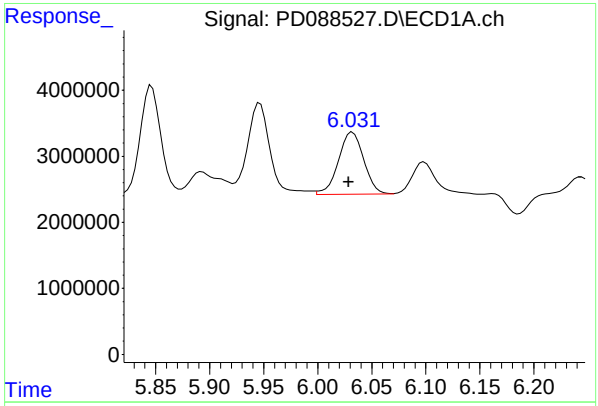
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.002 min
Response: 17989199
Conc: 4.97 ng/ml m



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: -0.003 min
Response: 90384046
Conc: 4.45 ng/ml m



#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.004 mi
Response: 15300888
Conc: 4.24 ng/m

Instrument :
ECD_D
ClientSampleId :
TP-9

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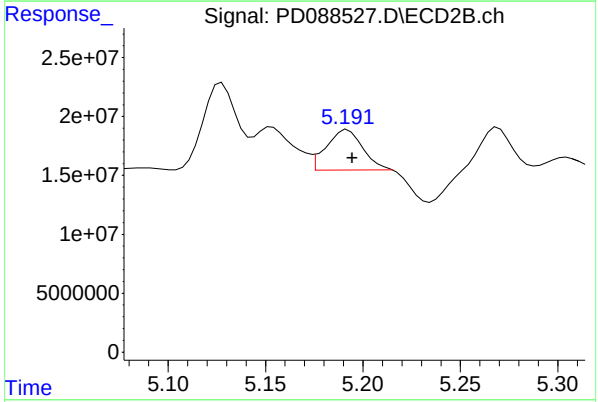
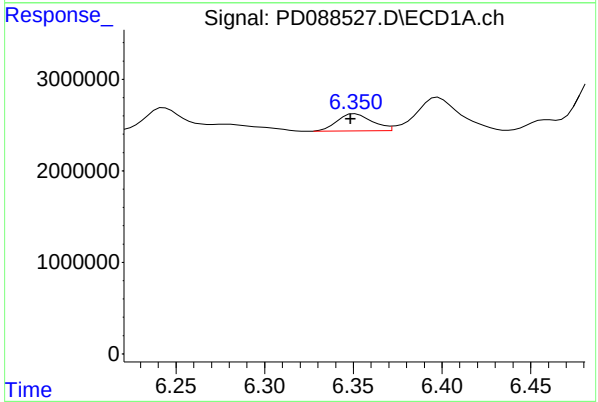


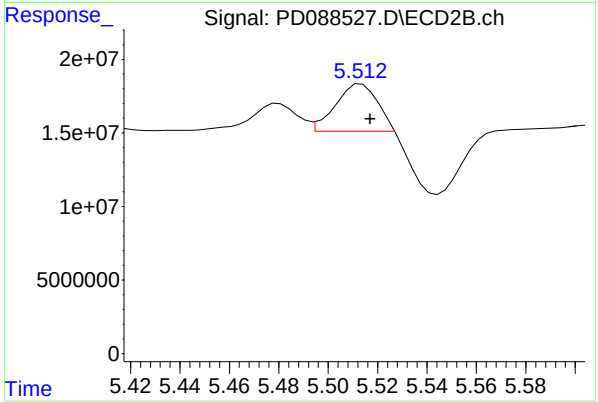
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: -0.004 min
Response: 43388580
Conc: 2.21 ng/ml m



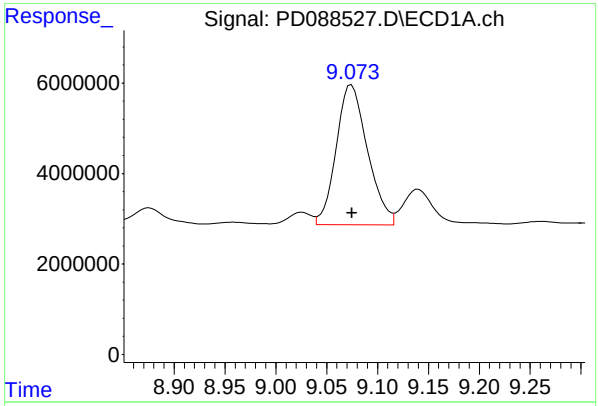
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.001 min
Response: 2651994
Conc: 0.74 ng/ml m



#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.005 min
Response: 37587095
Conc: 1.89 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 mi
Response: 66255526
Conc: 20.03 ng/m

Instrument :
ECD_D
ClientSampleId :
TP-9

Manual Integrations
APPROVED

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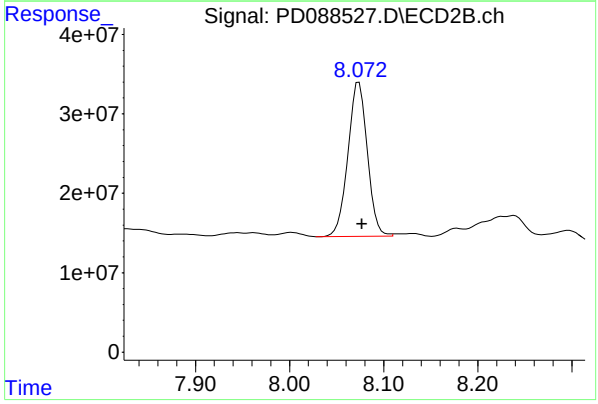


#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 278493463
Conc: 15.07 ng/ml m

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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Decachlorobiphenyl	9.08	9.07	9.08	9.08	9.08	9.07	8.97	9.17
delta-BHC	4.77	4.77	4.77	4.77	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.50	7.50	7.50	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

Raw Data

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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.95	5.93	5.93	5.93	5.93	5.94	5.84	6.04
4,4'-DDE	5.40	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.20	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aldrin	4.39	4.37	4.37	4.37	4.37	4.38	4.28	4.48
alpha-BHC	3.41	3.40	3.40	3.40	3.40	3.40	3.30	3.50
alpha-Chlordane	5.21	5.20	5.19	5.19	5.19	5.20	5.10	5.30
beta-BHC	4.05	4.03	4.03	4.03	4.03	4.03	3.93	4.13
Decachlorobiphenyl	8.09	8.08	8.08	8.08	8.08	8.08	7.98	8.18
delta-BHC	4.28	4.27	4.27	4.27	4.27	4.27	4.17	4.37
Dieldrin	5.53	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Endosulfan I	5.27	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Endosulfan II	6.10	6.08	6.08	6.09	6.08	6.09	5.99	6.19
Endosulfan sulfate	6.50	6.49	6.49	6.49	6.49	6.49	6.39	6.59
Endrin	5.81	5.79	5.79	5.79	5.79	5.80	5.70	5.90
Endrin aldehyde	6.28	6.26	6.26	6.26	6.26	6.27	6.17	6.37
Endrin ketone	7.01	7.00	7.00	7.00	7.00	7.00	6.90	7.10
gamma-BHC (Lindane)	3.75	3.73	3.73	3.73	3.73	3.74	3.64	3.84
gamma-Chlordane	5.15	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Heptachlor	4.10	4.09	4.09	4.09	4.09	4.09	3.99	4.19
Heptachlor epoxide	4.89	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Methoxychlor	6.77	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Tetrachloro-m-xylene	2.90	2.88	2.88	2.88	2.88	2.89	2.79	2.99

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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: **CF 100 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2657600000	2587000000	2495010000	2376000000	2459180000	2514960000	4
4,4'-DDE	3466910000	3527170000	3240150000	3071100000	3185920000	3298250000	6
4,4'-DDT	2923480000	2868140000	2755010000	2629860000	2711210000	2777540000	4
Aldrin	4191470000	4069870000	3911790000	3719150000	3855640000	3949580000	5
alpha-BHC	4782950000	4593760000	4340800000	3973660000	3868810000	4312000000	9
alpha-Chlordane	3710340000	3625070000	3529520000	3426410000	3756540000	3609580000	4
beta-BHC	1604490000	1589200000	1578990000	1584140000	1760080000	1623380000	5
Decachlorobiphenyl	3080820000	3141130000	3178140000	3290360000	3850090000	3308110000	9
delta-BHC	4445160000	4282700000	4075760000	3850890000	3970360000	4124970000	6
Dieldrin	3750160000	3656120000	3530390000	3371440000	3534380000	3568500000	4
Endosulfan I	3450340000	3397670000	3304040000	3218140000	3515550000	3377150000	3
Endosulfan II	3104130000	3060790000	3007520000	2974690000	3483940000	3126210000	7
Endosulfan sulfate	2896970000	2846150000	2807570000	2774020000	3054470000	2875840000	4
Endrin	3128180000	3077300000	2935450000	2806460000	2965440000	2982570000	4
Endrin aldehyde	2295010000	2267800000	2246870000	2234480000	2495770000	2307990000	5
Endrin ketone	3128590000	3073520000	3037500000	2978380000	3214900000	3086580000	3
gamma-BHC (Lindane)	4507210000	4365130000	4155030000	3887470000	4022700000	4187510000	6
gamma-Chlordane	3757550000	3698080000	3536270000	3403020000	3715340000	3622050000	4
Heptachlor	4264490000	4159110000	3978190000	3781390000	4011590000	4038950000	5
Heptachlor epoxide	3670910000	3598060000	3486330000	3389810000	3724620000	3573950000	4
Methoxychlor	1461300000	1466360000	1467850000	1483290000	1618930000	1499540000	4
Tetrachloro-m-xylene	1982340000	2006790000	1938680000	1923660000	2135510000	1997400000	4

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: **CF 100 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	15154700000	15403900000	15792200000	16361000000	19219200000	16386200000	10
4,4'-DDE	18345500000	18580000000	18872600000	19581800000	23090100000	19694000000	10
4,4'-DDT	16431600000	16496500000	16745700000	17063800000	18344900000	17016500000	5
Aldrin	19439700000	19604700000	20000000000	20715500000	24254000000	20802800000	10
alpha-BHC	21913500000	21830800000	22090400000	22519000000	25954000000	22861500000	8
alpha-Chlordane	18192600000	18348900000	18755200000	19456000000	23261200000	19602800000	11
beta-BHC	8473900000	8575290000	8847480000	9292470000	11081500000	9254120000	12
Decachlorobiphenyl	16767000000	17098200000	17470300000	18387600000	22674800000	18479600000	13
delta-BHC	20178700000	20191000000	20473400000	21031900000	24432800000	21261600000	9
Dieldrin	18536800000	18713100000	19146400000	19886400000	23381600000	19932900000	10
Endosulfan I	16448300000	16734000000	17246700000	18063400000	21569900000	18012500000	12
Endosulfan II	16009800000	16237000000	16737800000	17531800000	21092000000	17521700000	12
Endosulfan sulfate	15629000000	15901000000	16419300000	17200300000	20516600000	17133200000	12
Endrin	16756200000	17001500000	17464500000	18215500000	21574100000	18202300000	11
Endrin aldehyde	12064300000	12278200000	12707200000	13348200000	16106900000	13301000000	12
Endrin ketone	16996600000	17264900000	17905300000	18780200000	22573200000	18704000000	12
gamma-BHC (Lindane)	20140800000	20226900000	20558100000	21137200000	25630400000	21538700000	11
gamma-Chlordane	18960000000	19062800000	19437200000	20086800000	23933100000	20296000000	10
Heptachlor	19826900000	20021500000	20522700000	21298800000	25320700000	21398100000	11
Heptachlor epoxide	17359900000	17576100000	18079700000	18879200000	22576700000	18894300000	11
Methoxychlor	8272330000	8467510000	8839240000	9290490000	10735700000	9121060000	11
Tetrachloro-m-xylene	13615300000	13685800000	14010800000	14551200000	17245000000	14621600000	10

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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D **Date(s) Analyzed:** 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	23597900
		2	6.44	6.34	6.54	34064600
		3	7.15	7.05	7.25	65326300
		4	7.57	7.47	7.67	82045400
		5	7.93	7.83	8.03	47715200

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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Instrument ID: ECD_D **Date(s) Analyzed:** 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.48	5.38	5.58	130682000
		2	5.65	5.55	5.75	89513500
		3	6.76	6.66	6.86	417352000
		4	7.20	7.10	7.30	302911000
		5	7.33	7.23	7.43	207761000

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:56
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 04:25:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 04:25:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.551	2.900	198.2E6	1361.5E6	101.114	98.568
28)	SA	Decachlor...	9.075	8.093	308.1E6	1676.7E6	98.445	97.946
		Target Compounds						
2)	A	alpha-BHC	4.001	3.413	478.3E6	2191.3E6	104.846	99.598
3)	MA	gamma-BHC...	4.332	3.749	450.7E6	2014.1E6	104.066	98.975
4)	MA	Heptachlor	4.931	4.103	426.4E6	1982.7E6	103.473	98.276
5)	MB	Aldrin	5.273	4.389	419.1E6	1944.0E6	103.451	98.579
6)	B	beta-BHC	4.516	4.045	160.4E6	847.4E6	100.801	97.843
7)	B	delta-BHC	4.765	4.282	444.5E6	2017.9E6	104.335	99.275
8)	B	Heptachlo...	5.693	4.892	367.1E6	1736.0E6	102.579	98.354m
9)	A	Endosulfan I	6.076	5.268	345.0E6	1644.8E6	102.166	97.631
10)	B	gamma-Chl...	5.947	5.146	375.8E6	1896.0E6	103.034	98.757
11)	B	alpha-Chl...	6.029	5.211	371.0E6	1819.3E6	102.498	98.477
12)	B	4,4'-DDE	6.197	5.396	346.7E6	1834.5E6	103.381	98.584
13)	MA	Dieldrin	6.349	5.533	375.0E6	1853.7E6	103.019	98.382
14)	MA	Endrin	6.576	5.810	312.8E6	1675.6E6	103.179	97.930
15)	B	Endosulfa...	6.787	6.101	310.4E6	1601.0E6	101.581	97.777
16)	A	4,4'-DDD	6.706	5.950	265.8E6	1515.5E6	103.156	97.940
17)	MA	4,4'-DDT	7.023	6.204	292.3E6	1643.2E6	102.967	99.053
18)	B	Endrin al...	6.917	6.279	229.5E6	1206.4E6	101.060	97.405
19)	B	Endosulfa...	7.151	6.502	289.7E6	1562.9E6	101.567	97.534
20)	A	Methoxychlor	7.494	6.774	146.1E6	827.2E6	99.776	96.687
21)	B	Endrin ke...	7.631	7.011	312.9E6	1699.7E6	101.477	97.396
22)		Mirex	8.115	7.205	219.9E6	1333.1E6	98.857	97.475

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:56
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

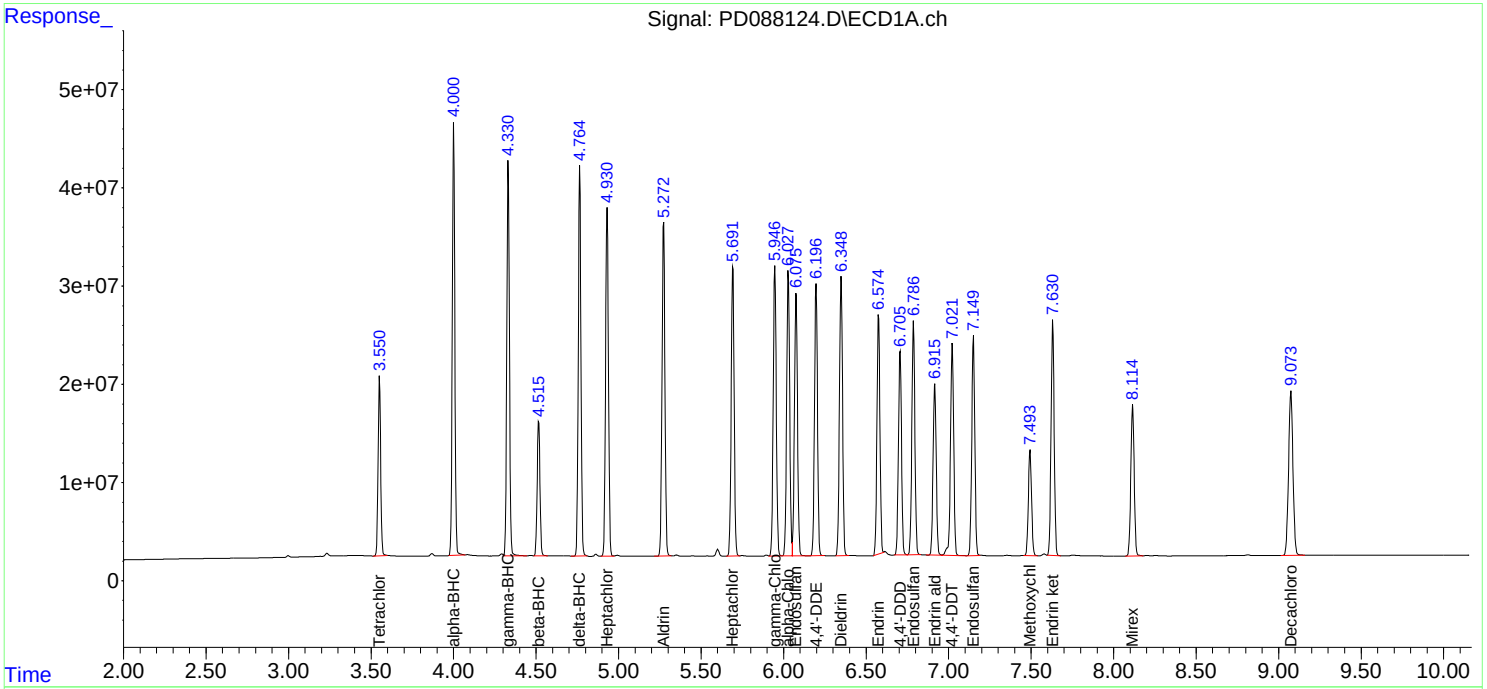
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

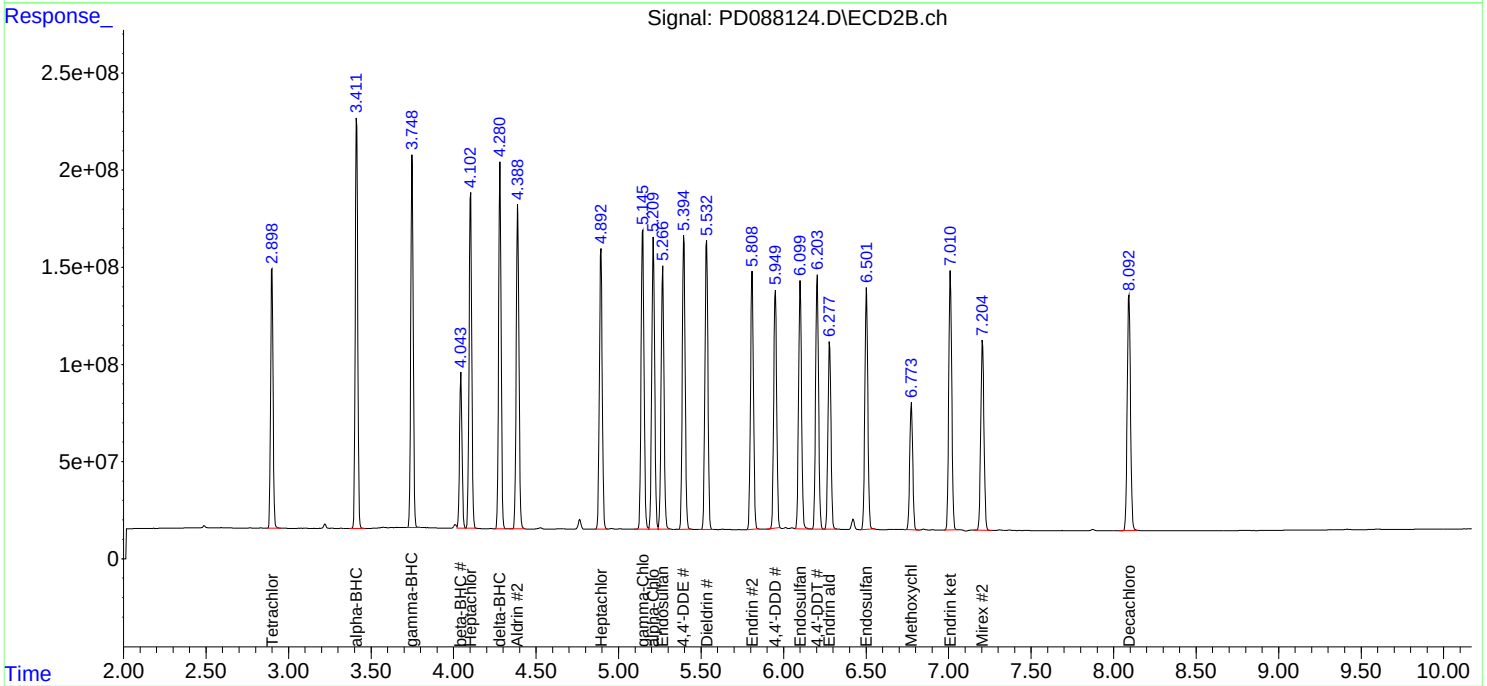
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 04:25:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 04:25:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 04:38:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	150.5E6	1026.4E6	76.770	74.309
28)	SA Decachlor...	9.074	8.076	235.6E6	1282.4E6	75.279	74.910
	Target Compounds						
2)	A alpha-BHC	4.001	3.396	344.5E6	1637.3E6	75.524	74.417
3)	MA gamma-BHC...	4.332	3.732	327.4E6	1517.0E6	75.589	74.548
4)	MA Heptachlor	4.931	4.086	311.9E6	1501.6E6	75.687	74.430
5)	MB Aldrin	5.273	4.372	305.2E6	1470.4E6	75.338	74.562
6)	B beta-BHC	4.516	4.028	119.2E6	643.1E6	74.880	74.260
7)	B delta-BHC	4.765	4.265	321.2E6	1514.3E6	75.391	74.502
8)	B Heptachlo...	5.693	4.876	269.9E6	1318.2E6	75.407	74.392
9)	A Endosulfan I	6.076	5.251	254.8E6	1255.1E6	75.455	74.495
10)	B gamma-Chl...	5.948	5.130	277.4E6	1429.7E6	76.052	74.470
11)	B alpha-Chl...	6.029	5.195	271.9E6	1376.2E6	75.106	74.493
12)	B 4,4'-DDE	6.197	5.379	264.5E6	1393.5E6	78.883	74.883
13)	MA Dieldrin	6.349	5.517	274.2E6	1403.5E6	75.327	74.488
14)	MA Endrin	6.576	5.793	230.8E6	1275.1E6	76.125	74.523
15)	B Endosulfa...	6.788	6.084	229.6E6	1217.8E6	75.122	74.374
16)	A 4,4'-DDD	6.706	5.934	194.0E6	1155.3E6	75.311	74.663
17)	MA 4,4'-DDT	7.022	6.188	215.1E6	1237.2E6	75.763	74.584
18)	B Endrin al...	6.916	6.263	170.1E6	920.9E6	74.896	74.348
19)	B Endosulfa...	7.151	6.486	213.5E6	1192.6E6	74.839	74.424
20)	A Methoxychlor	7.494	6.759	110.0E6	635.1E6	75.092	74.226
21)	B Endrin ke...	7.631	6.995	230.5E6	1294.9E6	74.768	74.201
22)	Mirex	8.115	7.189	164.0E6	1014.9E6	73.732	74.208

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

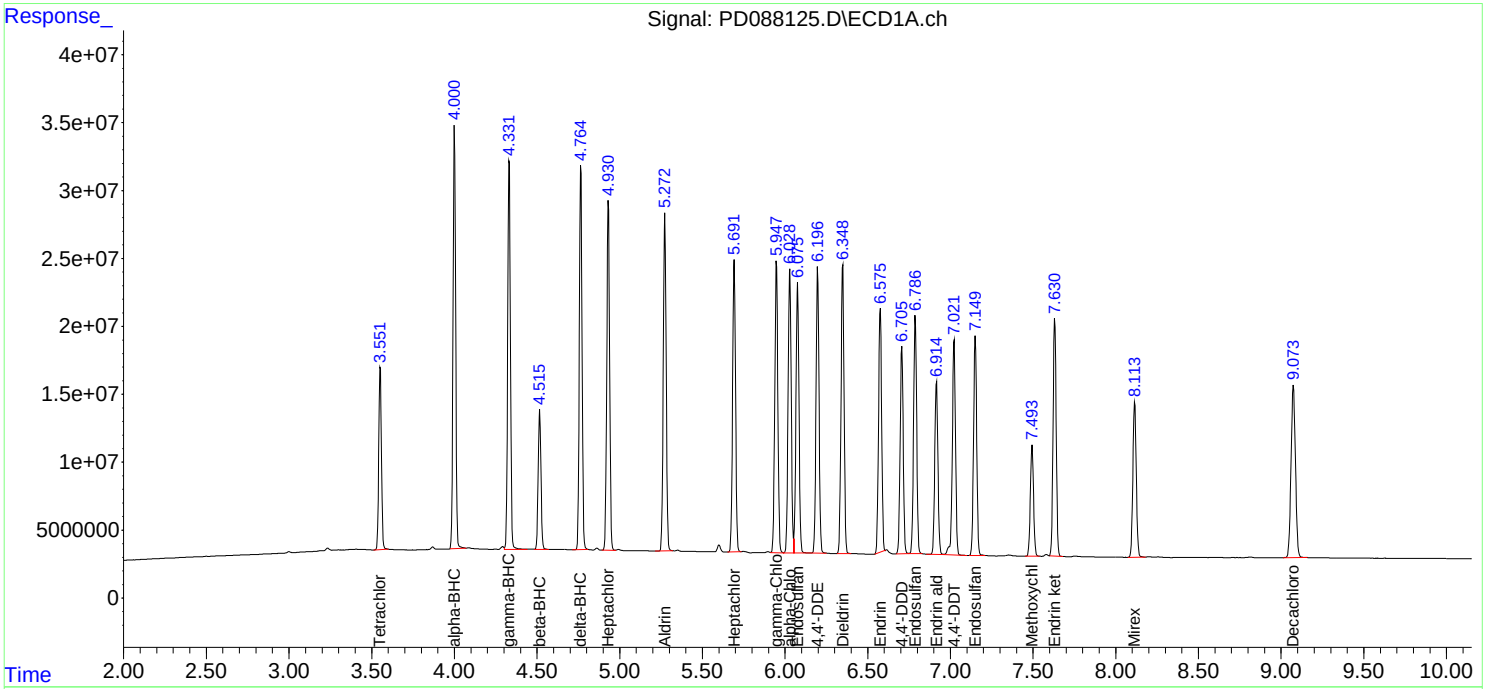
ICAL Form

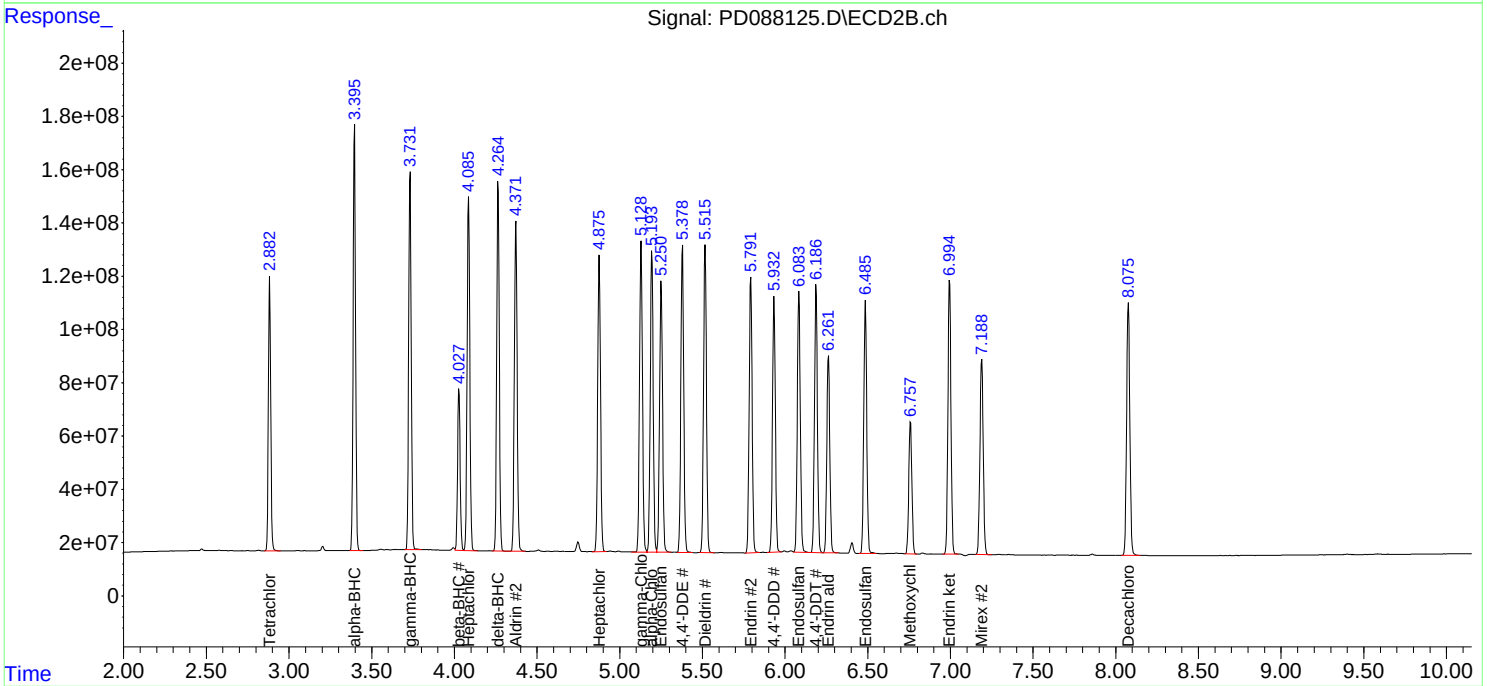
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 04:38:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:52:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.552	2.883	96933779	700.5E6	50.000	50.000
28) SA	Decachlor...	9.075	8.077	158.9E6	873.5E6	50.000	50.000
	Target Compounds						
2) A	alpha-BHC	4.001	3.396	217.0E6	1104.5E6	50.000	50.000
3) MA	gamma-BHC...	4.332	3.733	207.8E6	1027.9E6	50.000	50.000
4) MA	Heptachlor	4.931	4.086	198.9E6	1026.1E6	50.000	50.000
5) MB	Aldrin	5.273	4.373	195.6E6	1000.0E6	50.000	50.000
6) B	beta-BHC	4.516	4.028	78949582	442.4E6	50.000	50.000
7) B	delta-BHC	4.765	4.265	203.8E6	1023.7E6	50.000	50.000
8) B	Heptachlo...	5.692	4.877	174.3E6	904.0E6	50.000	50.000
9) A	Endosulfan I	6.076	5.251	165.2E6	862.3E6	50.000	50.000
10) B	gamma-Chl...	5.947	5.130	176.8E6	971.9E6	50.000	50.000
11) B	alpha-Chl...	6.029	5.194	176.5E6	937.8E6	50.000	50.000
12) B	4,4'-DDE	6.197	5.380	162.0E6	943.6E6	50.000	50.000
13) MA	Dieldrin	6.349	5.517	176.5E6	957.3E6	50.000	50.000
14) MA	Endrin	6.576	5.793	146.8E6	873.2E6	50.000	50.000
15) B	Endosulfa...	6.787	6.084	150.4E6	836.9E6	50.000	50.000
16) A	4,4'-DDD	6.706	5.934	124.8E6	789.6E6	50.000	50.000
17) MA	4,4'-DDT	7.022	6.188	137.8E6	837.3E6	50.000	50.000
18) B	Endrin al...	6.916	6.263	112.3E6	635.4E6	50.000	50.000
19) B	Endosulfa...	7.150	6.486	140.4E6	821.0E6	50.000	50.000
20) A	Methoxychlor	7.495	6.759	73392410	442.0E6	50.000	50.000
21) B	Endrin ke...	7.631	6.995	151.9E6	895.3E6	50.000	50.000
22)	Mirex	8.115	7.190	112.5E6	701.1E6	50.000	50.000

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

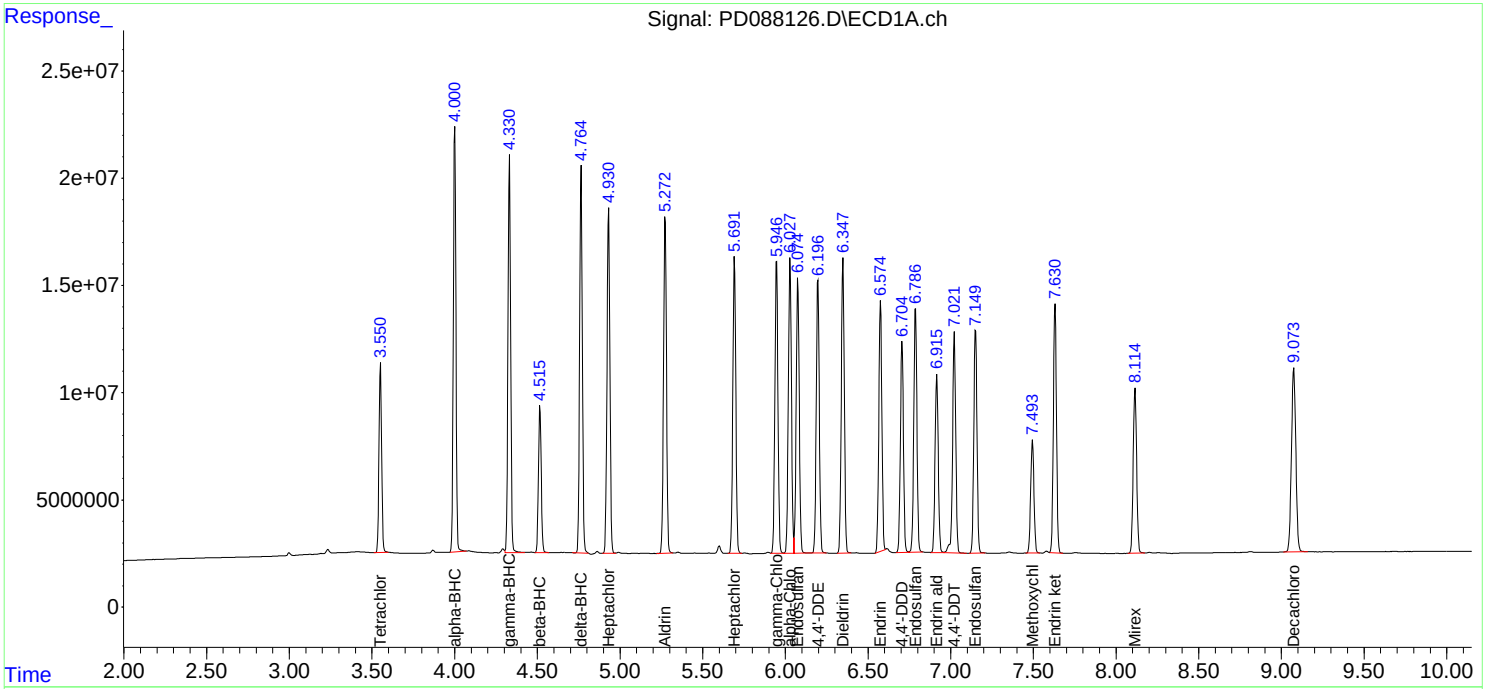
ICAL Form

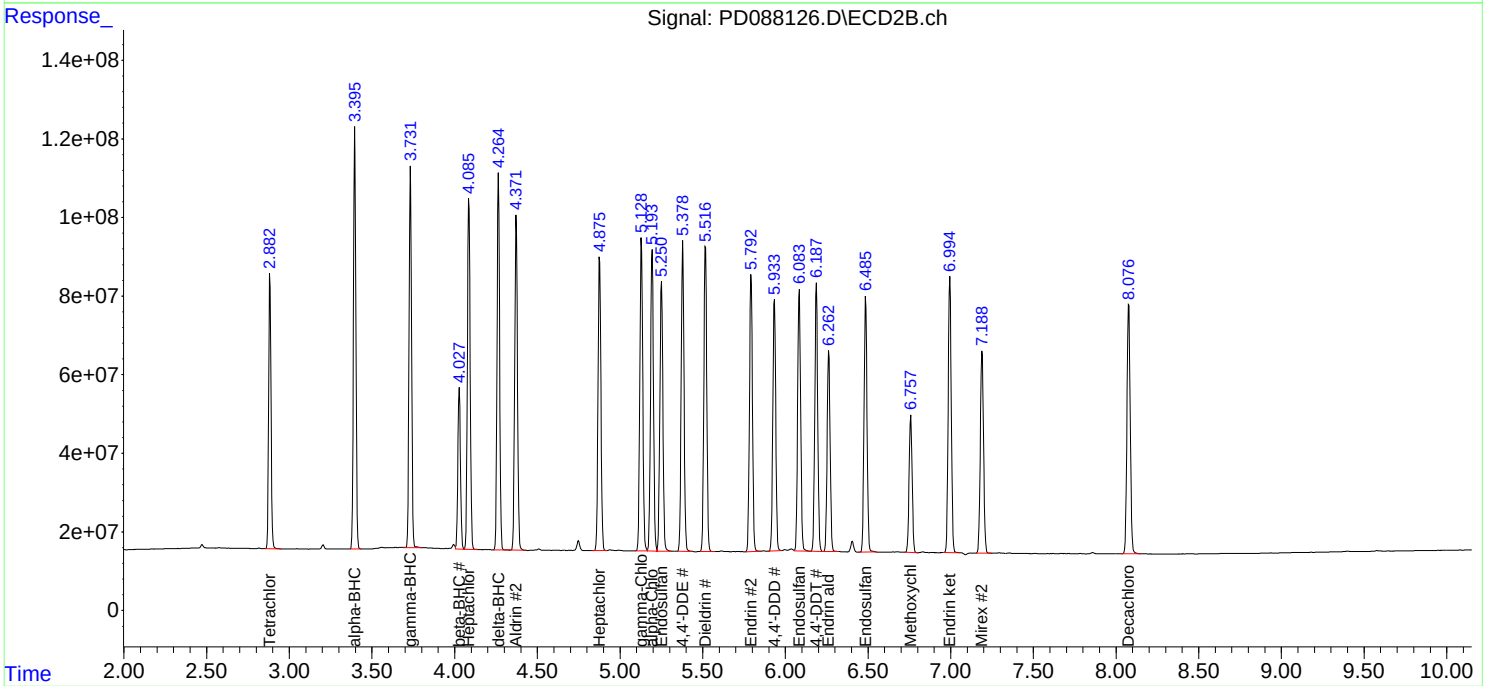
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:52:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:37
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.551	2.883	48091567	363.8E6	24.806	25.964
28)	SA	Decachlor...	9.075	8.076	82258935	459.7E6	25.883	26.313
		Target Compounds						
2)	A	alpha-BHC	4.001	3.396	99341615	563.0E6	22.886	25.485
3)	MA	gamma-BHC...	4.332	3.733	97186739	528.4E6	23.390	25.704
4)	MA	Heptachlor	4.932	4.087	94534629	532.5E6	23.763	25.945
5)	MB	Aldrin	5.273	4.373	92978704	517.9E6	23.769	25.894
6)	B	beta-BHC	4.516	4.028	39603540	232.3E6	25.082	26.257
7)	B	delta-BHC	4.765	4.265	96272367	525.8E6	23.621	25.682
8)	B	Heptachlo...	5.693	4.877	84745348	472.0E6	24.308	26.106
9)	A	Endosulfan I	6.076	5.251	80453509	451.6E6	24.350	26.184
10)	B	gamma-Chl...	5.948	5.130	85075416	502.2E6	24.058	25.835
11)	B	alpha-Chl...	6.029	5.194	85660342	486.4E6	24.270	25.934
12)	B	4,4'-DDE	6.198	5.380	76777577	489.5E6	23.696	25.940
13)	MA	Dieldrin	6.349	5.517	84286018	497.2E6	23.874	25.966
14)	MA	Endrin	6.576	5.793	70161483	455.4E6	23.901	26.075
15)	B	Endosulfa...	6.788	6.085	74367338	438.3E6	24.727	26.186
16)	A	4,4'-DDD	6.707	5.934	59400090	409.0E6	23.808	25.900
17)	MA	4,4'-DDT	7.023	6.188	65746503	426.6E6	23.864	25.475
18)	B	Endrin al...	6.917	6.263	55861887	333.7E6	24.862	26.261
19)	B	Endosulfa...	7.151	6.487	69350501	430.0E6	24.701	26.189
20)	A	Methoxychlor	7.495	6.759	37082247	232.3E6	25.263	26.276
21)	B	Endrin ke...	7.632	6.995	74459471	469.5E6	24.513	26.222
22)		Mirex	8.116	7.190	58667661	372.6E6	26.079	26.570

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

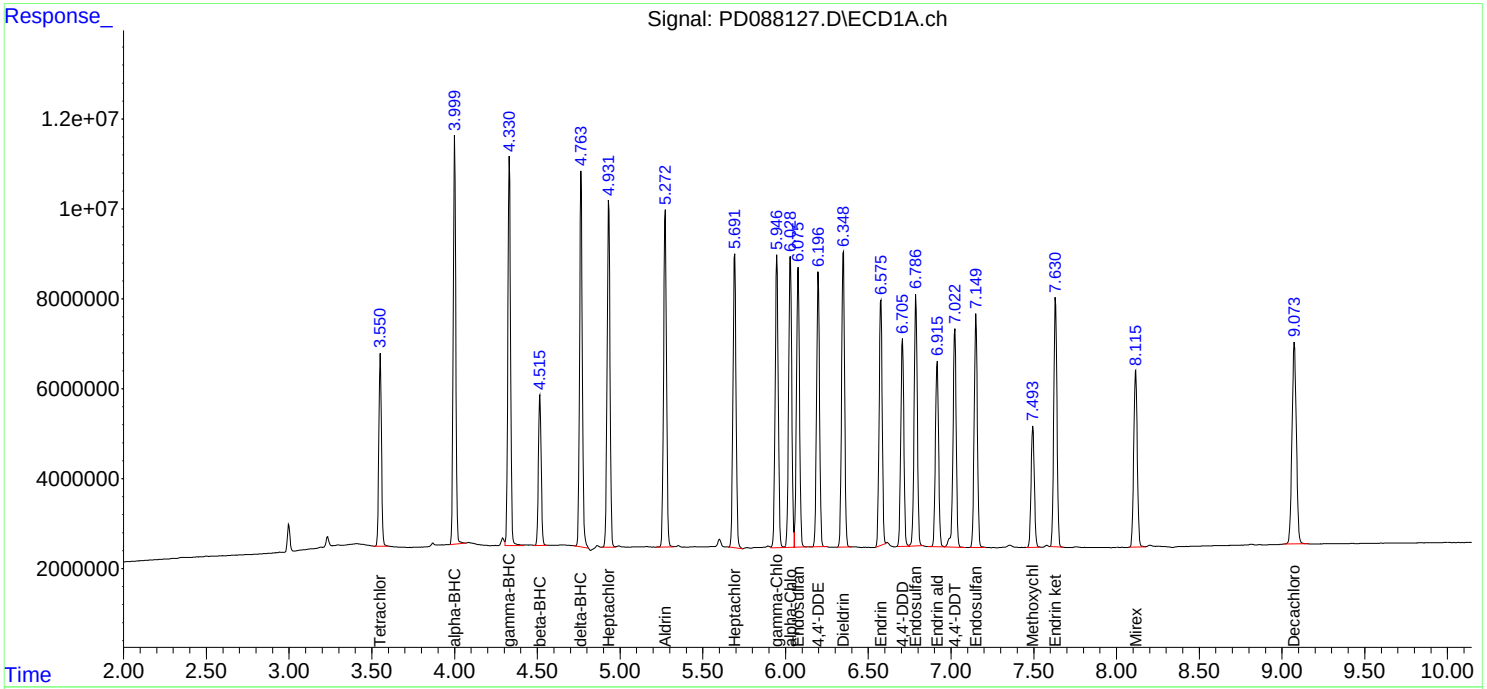
ICAL Form

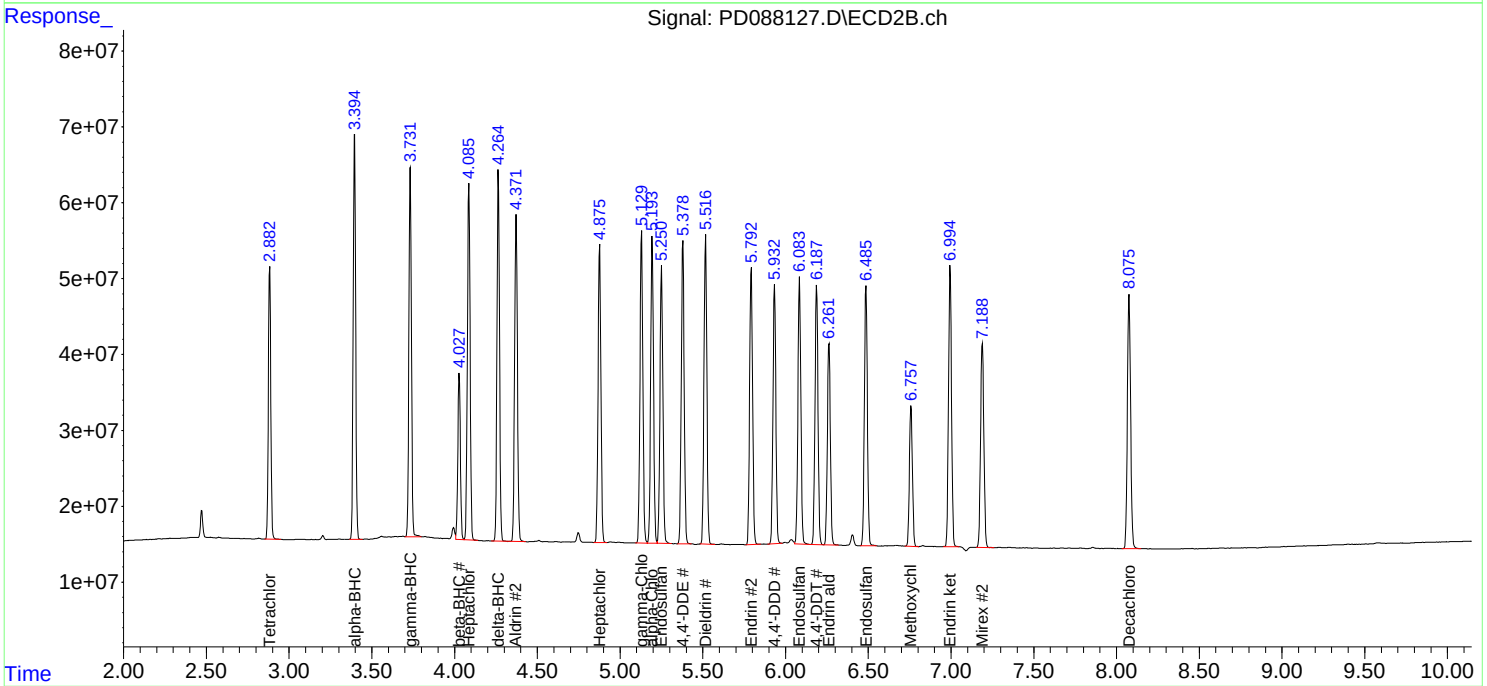
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:37
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	10677571	86225193	5.508	6.154
28)	SA Decachlor...	9.075	8.076	19250443	113.4E6	6.057	6.490
	Target Compounds						
2)	A alpha-BHC	4.001	3.396	19344032	129.8E6	4.456	5.874 #
3)	MA gamma-BHC...	4.332	3.733	20113508	128.2E6	4.841	6.234 #
4)	MA Heptachlor	4.931	4.086	20057945	126.6E6	5.042	6.169
5)	MB Aldrin	5.273	4.372	19278191	121.3E6	4.928	6.063
6)	B beta-BHC	4.516	4.028	8800396	55407278	5.573	6.262
7)	B delta-BHC	4.764	4.265	19851779	122.2E6	4.871m	5.967
8)	B Heptachlo...	5.693	4.876	18623118	112.9E6	5.342	6.244
9)	A Endosulfan I	6.076	5.251	17577772	107.8E6	5.320	6.253
10)	B gamma-Chl...	5.948	5.130	18576714	119.7E6	5.253	6.157
11)	B alpha-Chl...	6.029	5.194	18782686	116.3E6	5.322	6.201
12)	B 4,4'-DDE	6.197	5.379	15929607	115.5E6	4.916	6.117
13)	MA Dieldrin	6.349	5.517	17671896	116.9E6	5.006	6.106
14)	MA Endrin	6.576	5.793	14827210	107.9E6	5.051	6.177
15)	B Endosulfa...	6.787	6.084	17419714	105.5E6	5.792	6.301
16)	A 4,4'-DDD	6.706	5.933	12295875	96096151	4.928	6.085
17)	MA 4,4'-DDT	7.022	6.188	13556042	91724476	4.921	5.478
18)	B Endrin al...	6.916	6.262	12478868	80534454	5.554	6.338
19)	B Endosulfa...	7.151	6.486	15272374	102.6E6	5.440	6.248
20)	A Methoxychlor	7.495	6.758	8094629	53678604	5.515	6.073
21)	B Endrin ke...	7.631	6.995	16074498	112.9E6	5.292	6.304
22)	Mirex	8.116	7.189	13799458	91589011	6.134	6.532

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

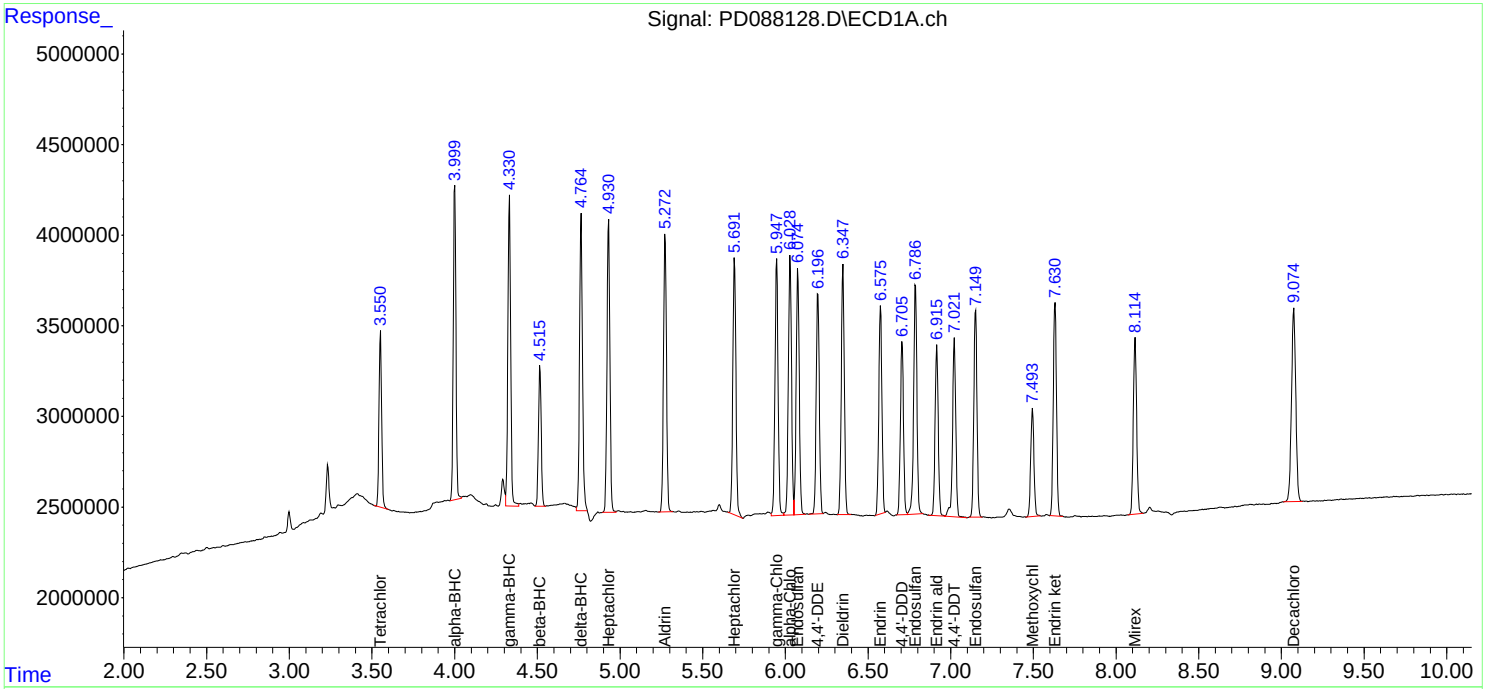
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

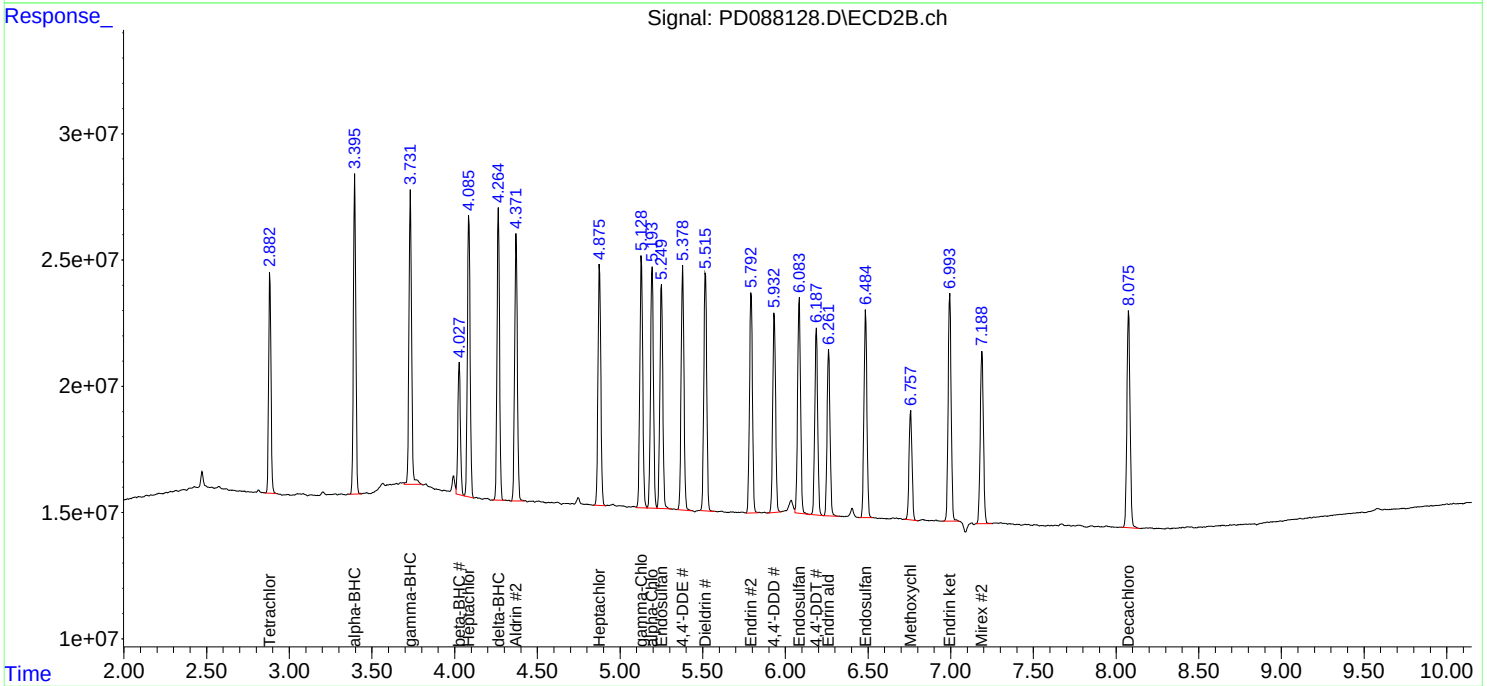
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 15:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 05:48:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 05:47:09 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 x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	96235160	865.8E6	50.000	50.000
28)	SA Decachlor...	9.074	8.077	154.6E6	878.3E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.717	3.909	80997430	383.8E6	500.000	500.000
24)	Chlordane-2	5.243	4.491	80390039	391.5E6	500.000	500.000
25)	Chlordane-3	5.948	5.130	333.1E6	1198.4E6	500.000	500.000
26)	Chlordane-4	6.034	5.194	398.6E6	1015.9E6	500.000	500.000
27)	Chlordane-5	6.873	6.094	66525644	465.8E6	500.000	500.000

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

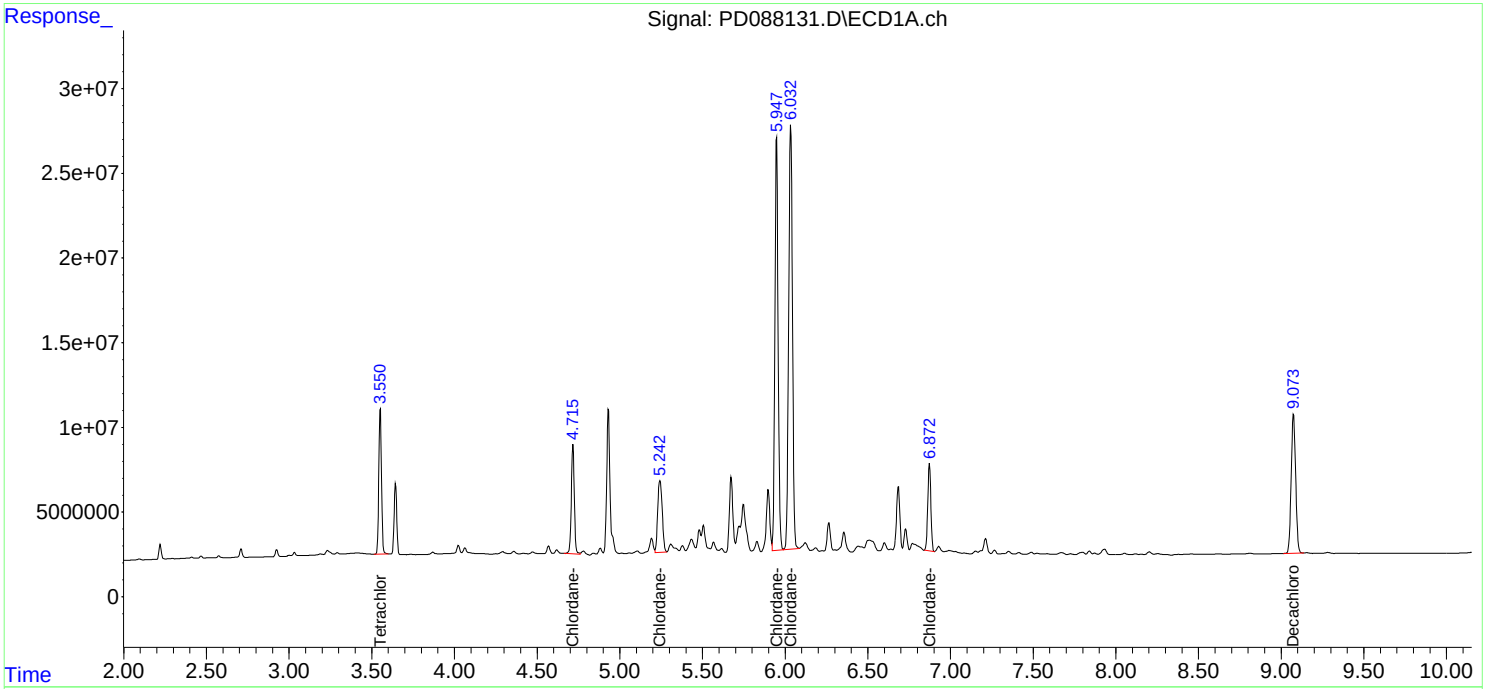
ICAL Form

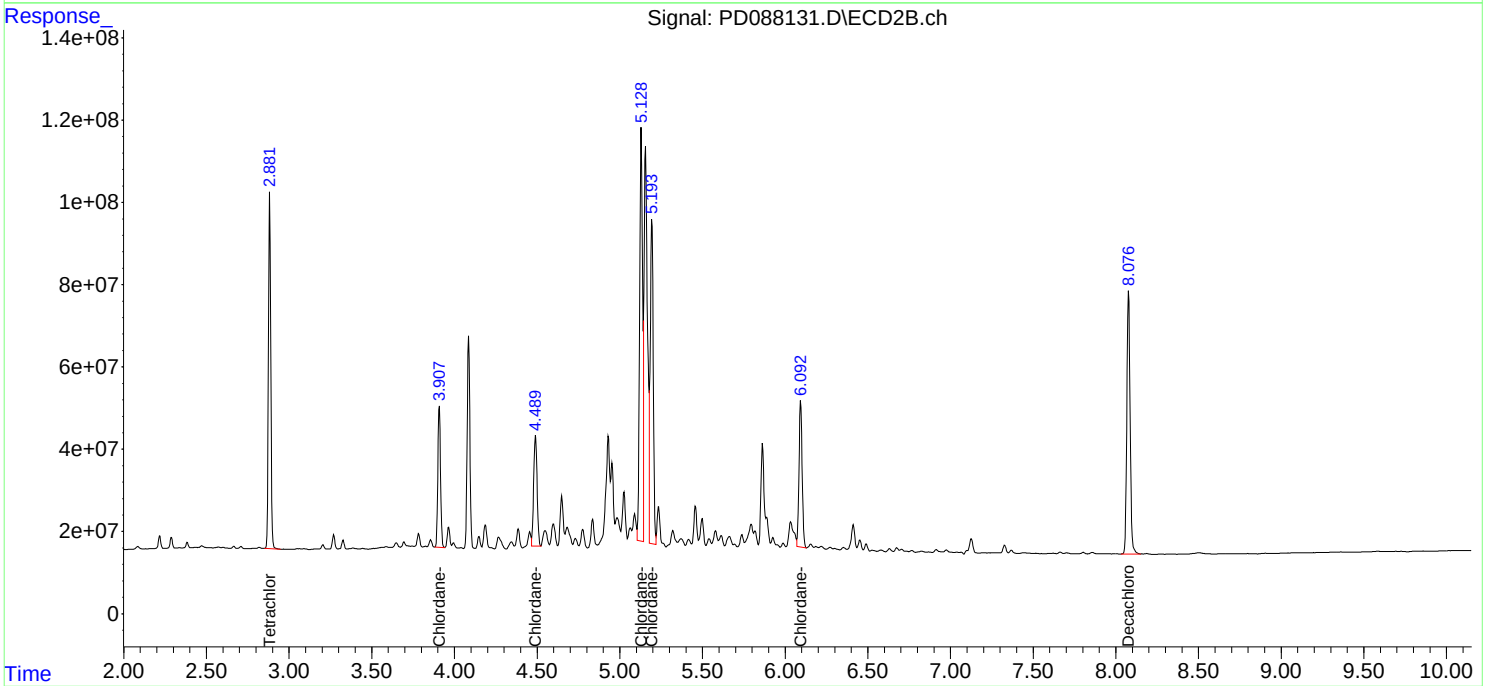
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 15:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 05:48:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 05:47:09 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 x 0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 16:40
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:17:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:16:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.552	2.883	101.0E6	721.8E6	50.000	50.000
7) SA	Decachlor...	9.074	8.077	164.9E6	890.5E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.243	5.479	11798963	65341019	500.000	500.000
3)	Toxaphene-2	6.443	5.650	17032300	44756730	500.000	500.000
4)	Toxaphene-3	7.149	6.760	32663151	208.7E6	500.000	500.000
5)	Toxaphene-4	7.565	7.202	41022693	151.5E6	500.000	500.000
6)	Toxaphene-5	7.931	7.333	23857581	103.9E6	500.000	500.000

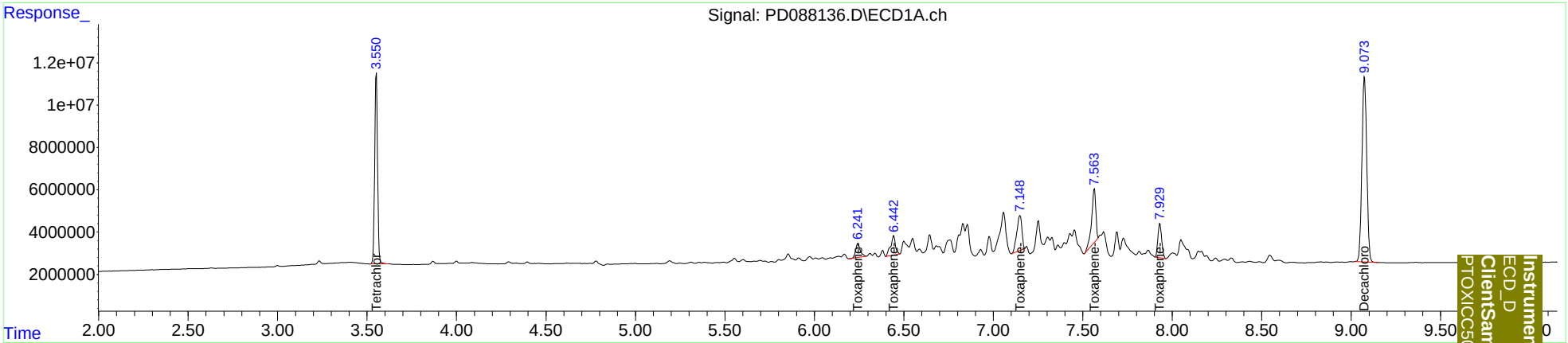
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 16:40
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:17:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:16:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD041825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.552	2.883	98011498	705.8E6	50.556	50.375
28) SA	Decachlor...	9.074	8.076	156.5E6	873.1E6	49.237	49.975
	Target Compounds						
2) A	alpha-BHC	4.001	3.396	221.4E6	1115.2E6	51.003	50.483
3) MA	gamma-BHC...	4.332	3.732	211.2E6	1037.4E6	50.823	50.460
4) MA	Heptachlor	4.931	4.086	202.0E6	1034.4E6	50.784	50.400
5) MB	Aldrin	5.273	4.372	199.5E6	1010.7E6	50.990	50.536
6) B	beta-BHC	4.516	4.028	80388581	446.0E6	50.911	50.415
7) B	delta-BHC	4.765	4.265	207.4E6	1030.8E6	50.892	50.347
8) B	Heptachlo...	5.693	4.876	177.5E6	911.0E6	50.911	50.388
9) A	Endosulfan I	6.076	5.250	167.8E6	870.5E6	50.788	50.475
10) B	gamma-Chl...	5.947	5.129	179.7E6	979.0E6	50.819	50.365
11) B	alpha-Chl...	6.028	5.194	179.5E6	945.1E6	50.851	50.389
12) B	4,4'-DDE	6.197	5.379	162.4E6	948.3E6	50.132	50.246
13) MA	Dieldrin	6.349	5.516	179.4E6	966.1E6	50.821	50.456
14) MA	Endrin	6.576	5.792	148.1E6	879.3E6	50.462	50.348
15) B	Endosulfa...	6.787	6.084	151.1E6	841.2E6	50.228	50.256
16) A	4,4'-DDD	6.706	5.933	124.5E6	794.4E6	49.895	50.303
17) MA	4,4'-DDT	7.022	6.187	137.1E6	844.1E6	49.781	50.406
18) B	Endrin al...	6.916	6.262	112.7E6	640.6E6	50.151	50.415
19) B	Endosulfa...	7.150	6.486	140.8E6	824.1E6	50.153	50.192
20) A	Methoxychlor	7.494	6.758	73171542	444.8E6	49.850	50.322
21) B	Endrin ke...	7.631	6.994	151.9E6	901.7E6	50.003	50.358
22)	Mirex	8.115	7.189	112.8E6	707.4E6	50.149	50.451

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

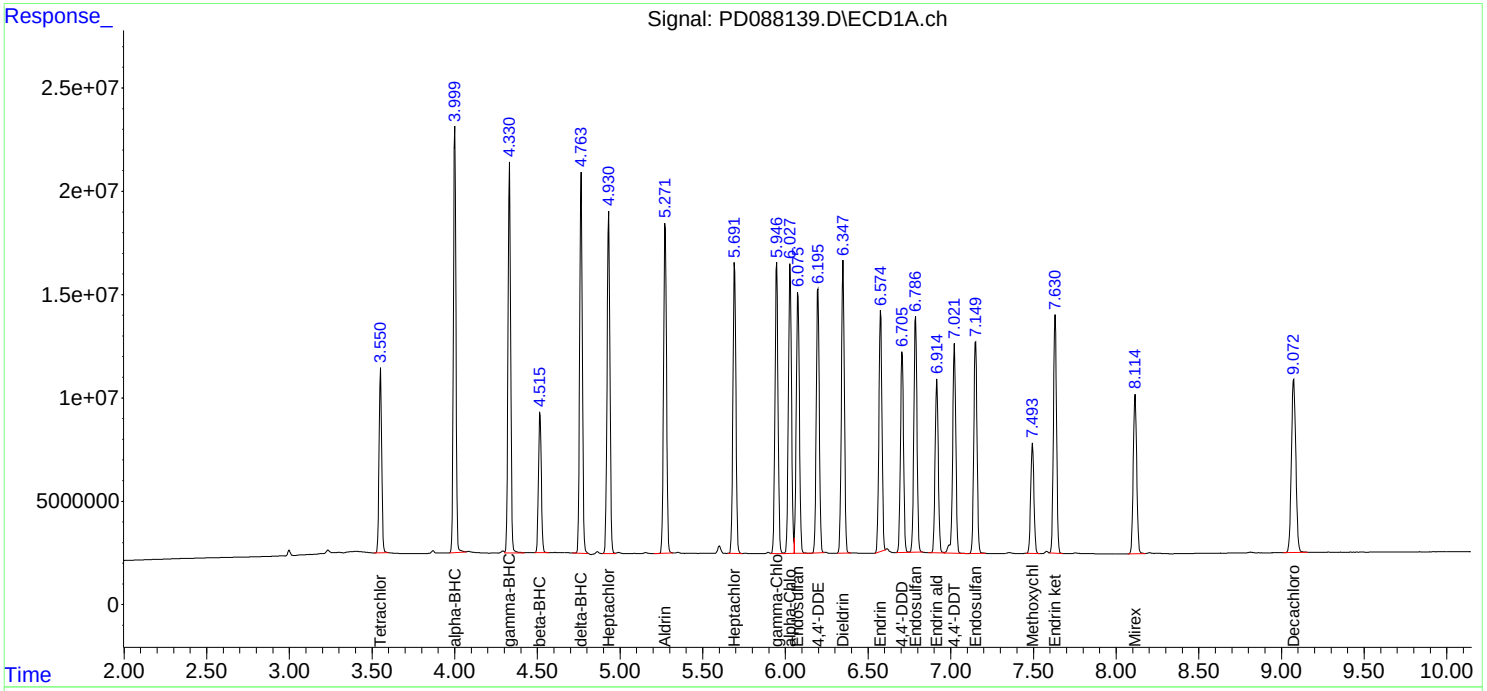
ICAL Form

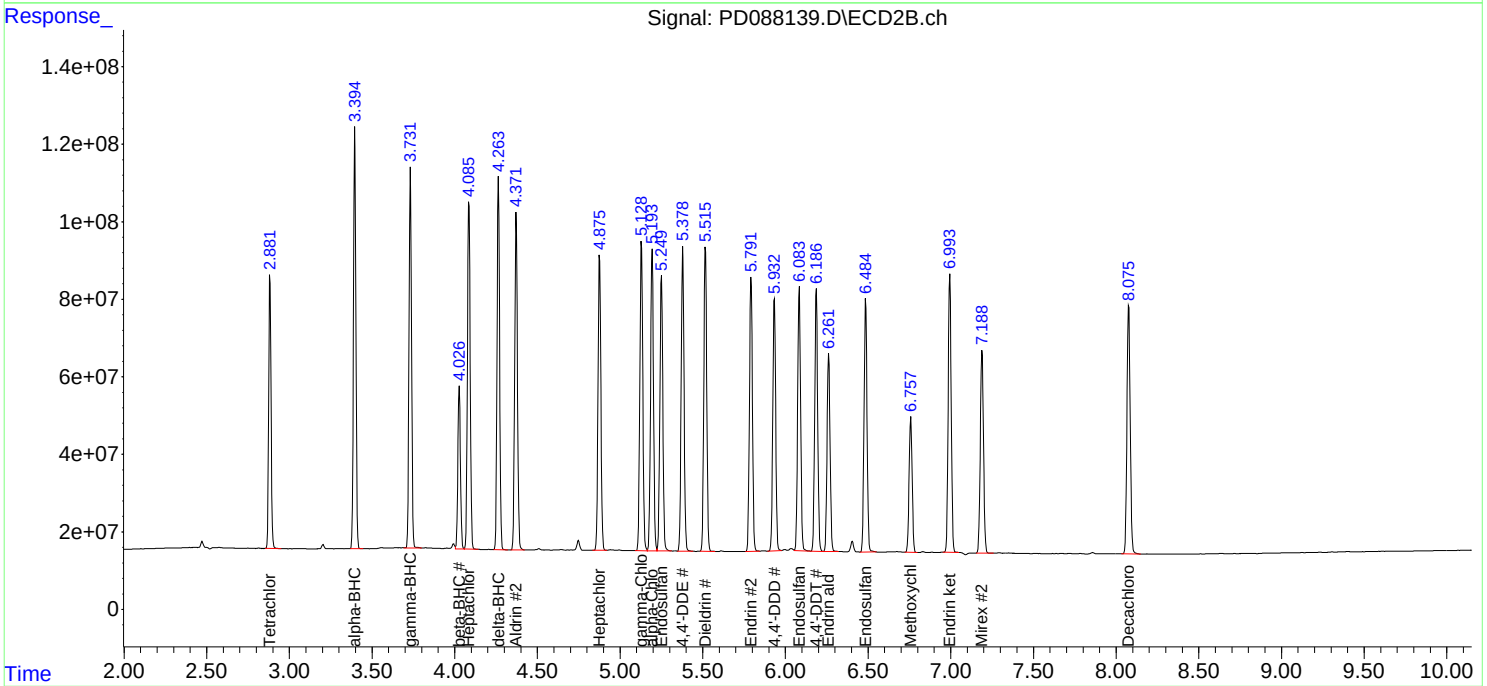
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD041825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:35
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD041825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 05:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 05:47:09 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 x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	98326390	875.4E6	51.087	50.557
28)	SA Decachlor...	9.073	8.076	155.6E6	883.8E6	50.337	50.312
	Target Compounds						
23)	Chlordane-1	4.716	3.908	83912348	391.8E6	517.994	510.427
24)	Chlordane-2	5.243	4.490	83436128	397.6E6	518.946	507.710
25)	Chlordane-3	5.948	5.129	344.9E6	1215.6E6	517.682	507.183
26)	Chlordane-4	6.034	5.193	413.5E6	1029.1E6	518.799	506.534
27)	Chlordane-5	6.872	6.093	67686335	471.4E6	508.724	506.043

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

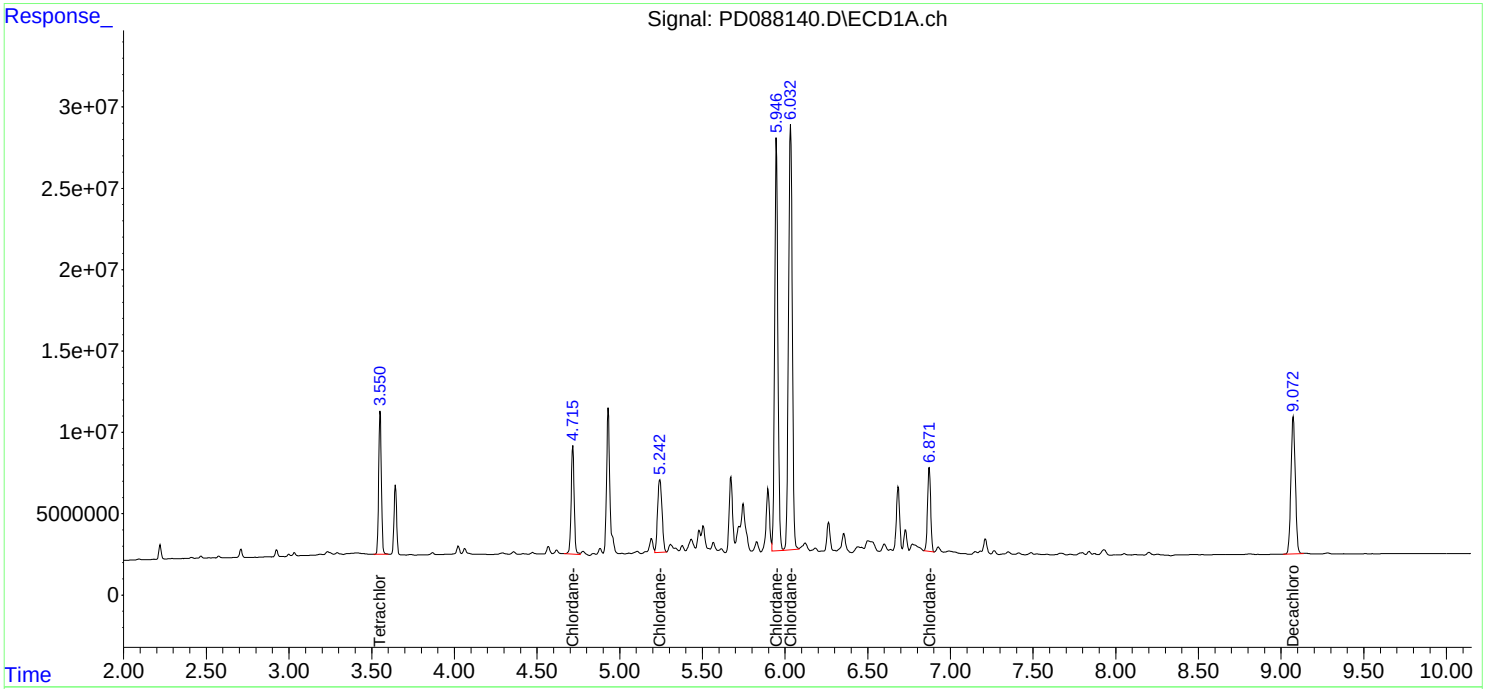
ICAL Form

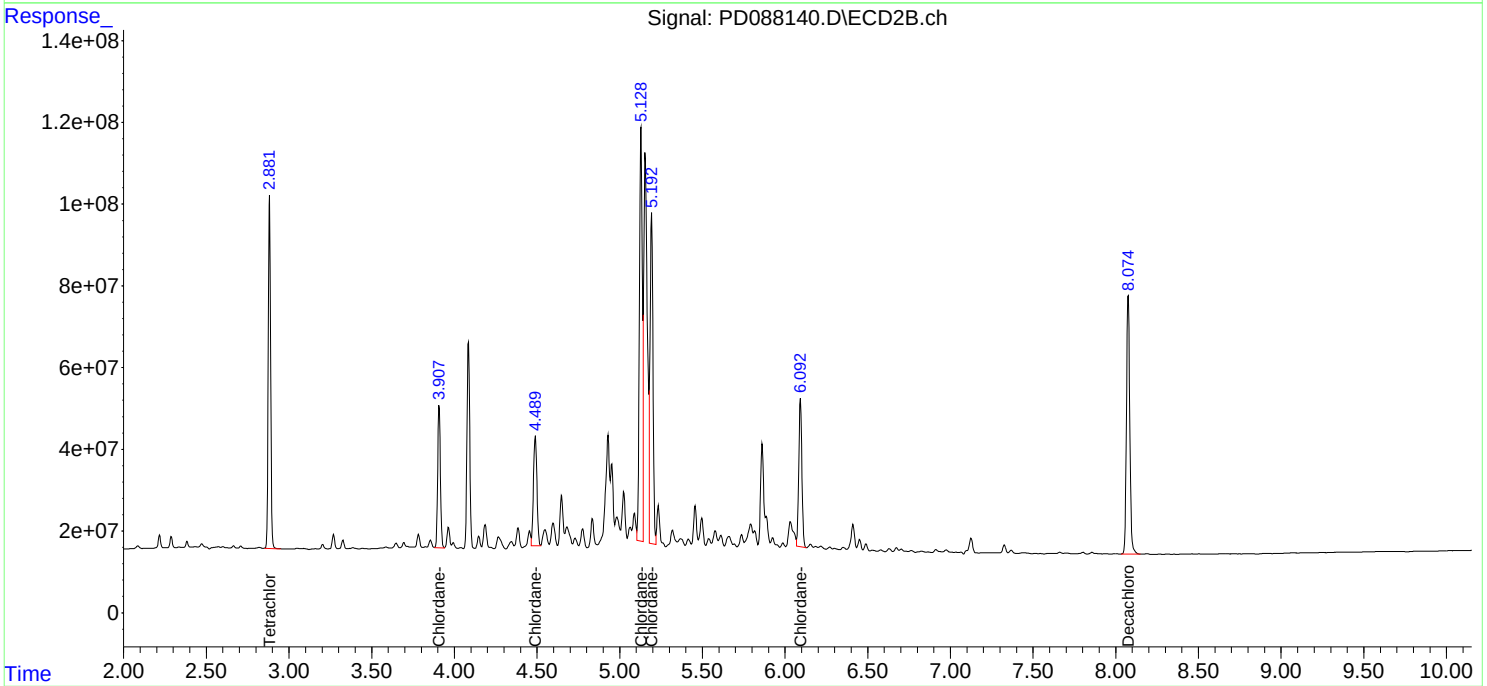
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:35
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD041825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 05:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 05:47:09 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 x 0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:49
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD041825TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:18:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:16:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.551	2.883	102.5E6	730.7E6	50.719	50.617
7) SA	Decachlor...	9.075	8.076	162.9E6	900.9E6	49.398	50.583
	Target Compounds						
2)	Toxaphene-1	6.242	5.479	11935495	66985324	505.786	512.582
3)	Toxaphene-2	6.442	5.650	17155801	45180209	503.625	504.731
4)	Toxaphene-3	7.149	6.760	32633182	210.1E6	499.541	503.358
5)	Toxaphene-4	7.564	7.201	41575512	152.0E6	506.738	501.932
6)	Toxaphene-5	7.930	7.332	23954033	105.1E6	502.021	505.684

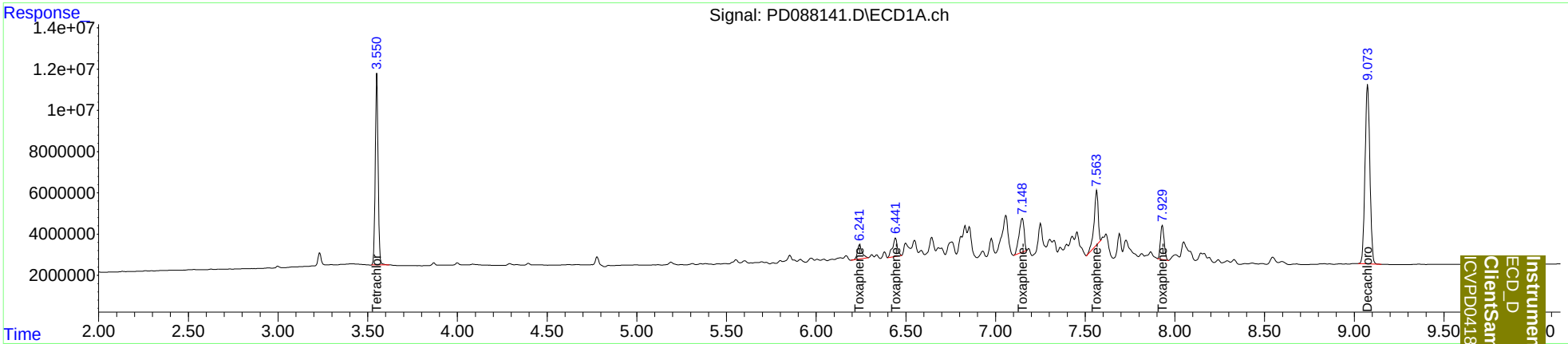
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:49
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:18:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:16:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Raw Data: **PD088464.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 13:42 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.36	6.35	6.25	6.45	-0.01
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.04	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088464.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 13:42 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088464.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088464.D **Time Analyzed:** 13:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.713	6.606	6.806	51.220	50.000	2.4
4,4'-DDE	6.204	6.097	6.297	50.250	50.000	0.5
4,4'-DDT	7.029	6.922	7.122	51.370	50.000	2.7
Aldrin	5.280	5.173	5.373	50.870	50.000	1.7
alpha-BHC	4.007	3.901	4.101	50.980	50.000	2.0
alpha-Chlordane	6.035	5.929	6.129	51.070	50.000	2.1
beta-BHC	4.523	4.416	4.616	49.630	50.000	-0.7
Decachlorobiphenyl	9.082	8.975	9.175	48.460	50.000	-3.1
delta-BHC	4.772	4.665	4.865	50.220	50.000	0.4
Dieldrin	6.355	6.249	6.449	51.520	50.000	3.0
Endosulfan I	6.083	5.976	6.176	51.000	50.000	2.0
Endosulfan II	6.794	6.687	6.887	49.630	50.000	-0.7
Endosulfan sulfate	7.157	7.050	7.250	50.840	50.000	1.7
Endrin	6.582	6.476	6.676	50.670	50.000	1.3
Endrin aldehyde	6.922	6.816	7.016	49.550	50.000	-0.9
Endrin ketone	7.637	7.531	7.731	50.860	50.000	1.7
gamma-BHC (Lindane)	4.338	4.232	4.432	49.850	50.000	-0.3
gamma-Chlordane	5.954	5.847	6.047	51.220	50.000	2.4
Heptachlor	4.938	4.831	5.031	51.810	50.000	3.6
Heptachlor epoxide	5.699	5.592	5.792	50.870	50.000	1.7
Methoxychlor	7.501	7.395	7.595	50.660	50.000	1.3
Tetrachloro-m-xylene	3.558	3.452	3.652	48.550	50.000	-2.9

Raw Data: **PD088464.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088464.D **Time Analyzed:** 13:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	43.530	50.000	-12.9
4,4'-DDE	5.377	5.280	5.480	44.480	50.000	-11.0
4,4'-DDT	6.186	6.088	6.288	44.750	50.000	-10.5
Aldrin	4.370	4.273	4.473	44.510	50.000	-11.0
alpha-BHC	3.394	3.296	3.496	44.150	50.000	-11.7
alpha-Chlordane	5.192	5.094	5.294	44.190	50.000	-11.6
beta-BHC	4.026	3.928	4.128	44.270	50.000	-11.5
Decachlorobiphenyl	8.075	7.977	8.177	42.270	50.000	-15.5
delta-BHC	4.263	4.165	4.365	44.220	50.000	-11.6
Dieldrin	5.515	5.417	5.617	43.880	50.000	-12.2
Endosulfan I	5.249	5.151	5.351	43.800	50.000	-12.4
Endosulfan II	6.083	5.984	6.184	43.930	50.000	-12.1
Endosulfan sulfate	6.484	6.386	6.586	43.640	50.000	-12.7
Endrin	5.791	5.693	5.893	42.740	50.000	-14.5
Endrin aldehyde	6.261	6.163	6.363	42.610	50.000	-14.8
Endrin ketone	6.994	6.895	7.095	43.520	50.000	-13.0
gamma-BHC (Lindane)	3.730	3.633	3.833	43.630	50.000	-12.7
gamma-Chlordane	5.128	5.030	5.230	44.250	50.000	-11.5
Heptachlor	4.084	3.986	4.186	42.940	50.000	-14.1
Heptachlor epoxide	4.874	4.777	4.977	44.120	50.000	-11.8
Methoxychlor	6.757	6.659	6.859	40.810	50.000	-18.4
Tetrachloro-m-xylene	2.881	2.783	2.983	43.390	50.000	-13.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:28:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.558	2.881	96982454	634.4E6	48.554	43.388
28) SA	Decachlor...	9.082	8.075	160.3E6	781.2E6	48.459	42.271
	Target Compounds						
2) A	alpha-BHC	4.007	3.394	219.8E6	1009.3E6	50.981	44.146
3) MA	gamma-BHC...	4.338	3.730	208.8E6	939.7E6	49.852	43.626
4) MA	Heptachlor	4.938	4.084	209.3E6	918.9E6	51.813	42.942
5) MB	Aldrin	5.280	4.370	200.9E6	925.9E6	50.867	44.506
6) B	beta-BHC	4.523	4.026	80575357	409.7E6	49.634	44.270
7) B	delta-BHC	4.772	4.263	207.2E6	940.2E6	50.222	44.222
8) B	Heptachlo...	5.699	4.874	181.8E6	833.7E6	50.866	44.124
9) A	Endosulfan I	6.083	5.249	172.2E6	788.9E6	50.999	43.800
10) B	gamma-Chl...	5.954	5.128	185.5E6	898.2E6	51.219	44.253
11) B	alpha-Chl...	6.035	5.192	184.3E6	866.2E6	51.069	44.186
12) B	4,4'-DDE	6.204	5.377	165.7E6	875.9E6	50.251	44.478
13) MA	Dieldrin	6.355	5.515	183.8E6	874.7E6	51.519	43.884
14) MA	Endrin	6.582	5.791	151.1E6	777.9E6	50.671	42.735
15) B	Endosulfa...	6.794	6.083	155.2E6	769.7E6	49.634	43.929
16) A	4,4'-DDD	6.713	5.932	128.8E6	713.3E6	51.217	43.530
17) MA	4,4'-DDT	7.029	6.186	142.7E6	761.5E6	51.366	44.752
18) B	Endrin al...	6.922	6.261	114.4E6	566.7E6	49.550	42.610
19) B	Endosulfa...	7.157	6.484	146.2E6	747.7E6	50.837	43.642
20) A	Methoxychlor	7.501	6.757	75974367	372.3E6	50.665	40.814
21) B	Endrin ke...	7.637	6.994	157.0E6	814.0E6	50.863	43.520
22)	Mirex	8.121	7.188	118.2E6	645.9E6	50.350	43.581

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

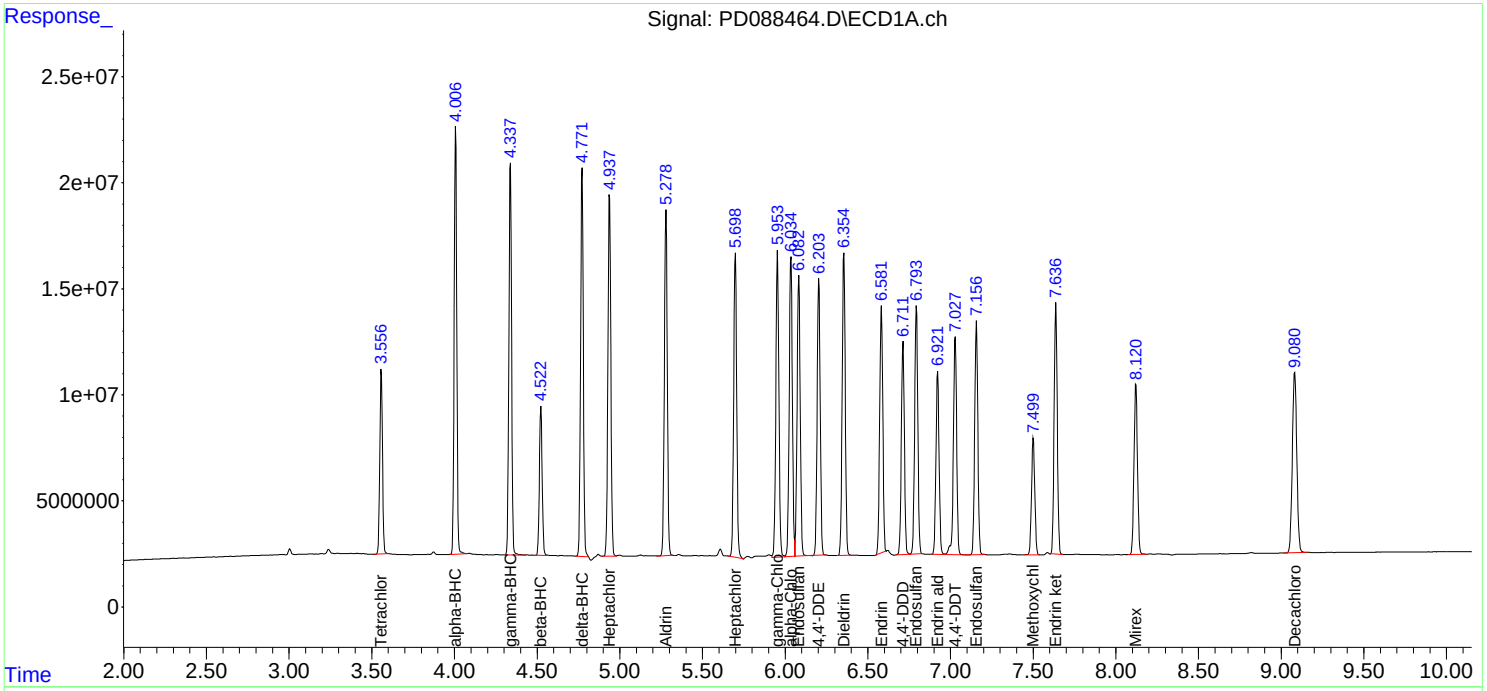
Sample Results: **PD088464.D**

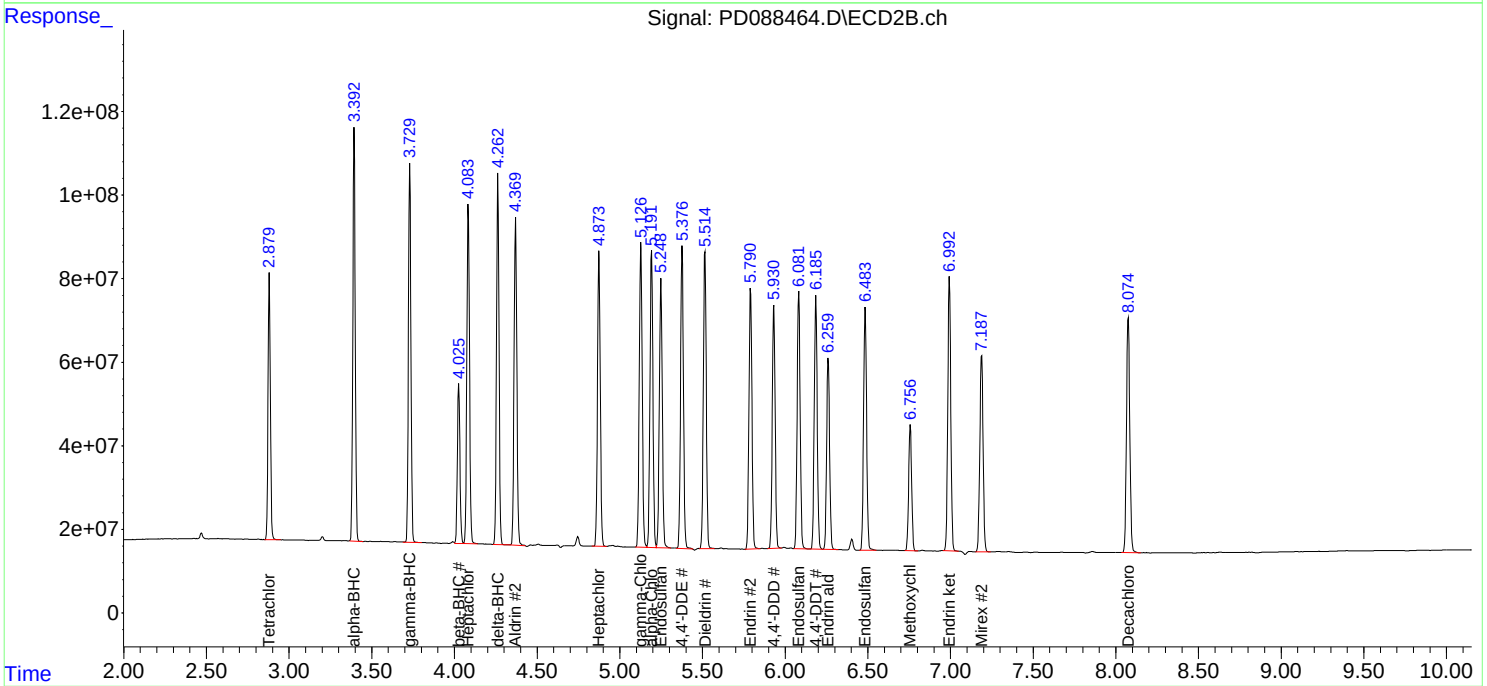
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:28:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088475.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:32 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088475.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:32 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088475.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088475.D **Time Analyzed:** 17:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.606	6.806	51.540	50.000	3.1
4,4'-DDE	6.196	6.097	6.297	50.920	50.000	1.8
4,4'-DDT	7.021	6.922	7.122	51.670	50.000	3.3
Aldrin	5.272	5.173	5.373	52.260	50.000	4.5
alpha-BHC	4.000	3.901	4.101	51.650	50.000	3.3
alpha-Chlordane	6.028	5.929	6.129	52.350	50.000	4.7
beta-BHC	4.516	4.416	4.616	51.010	50.000	2.0
Decachlorobiphenyl	9.073	8.975	9.175	48.050	50.000	-3.9
delta-BHC	4.764	4.665	4.865	51.550	50.000	3.1
Dieldrin	6.347	6.249	6.449	52.270	50.000	4.5
Endosulfan I	6.075	5.976	6.176	52.110	50.000	4.2
Endosulfan II	6.786	6.687	6.887	50.230	50.000	0.5
Endosulfan sulfate	7.150	7.050	7.250	51.110	50.000	2.2
Endrin	6.575	6.476	6.676	50.990	50.000	2.0
Endrin aldehyde	6.915	6.816	7.016	49.870	50.000	-0.3
Endrin ketone	7.630	7.531	7.731	51.250	50.000	2.5
gamma-BHC (Lindane)	4.331	4.232	4.432	51.150	50.000	2.3
gamma-Chlordane	5.946	5.847	6.047	52.840	50.000	5.7
Heptachlor	4.930	4.831	5.031	52.960	50.000	5.9
Heptachlor epoxide	5.692	5.592	5.792	51.650	50.000	3.3
Methoxychlor	7.494	7.395	7.595	50.650	50.000	1.3
Tetrachloro-m-xylene	3.551	3.452	3.652	49.440	50.000	-1.1

Raw Data: **PD088475.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088475.D **Time Analyzed:** 17:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	44.970	50.000	-10.1
4,4'-DDE	5.377	5.280	5.480	45.840	50.000	-8.3
4,4'-DDT	6.186	6.088	6.288	45.760	50.000	-8.5
Aldrin	4.371	4.273	4.473	46.200	50.000	-7.6
alpha-BHC	3.395	3.296	3.496	45.490	50.000	-9.0
alpha-Chlordane	5.193	5.094	5.294	45.100	50.000	-9.8
beta-BHC	4.027	3.928	4.128	45.860	50.000	-8.3
Decachlorobiphenyl	8.075	7.977	8.177	41.060	50.000	-17.9
delta-BHC	4.264	4.165	4.365	45.690	50.000	-8.6
Dieldrin	5.515	5.417	5.617	45.230	50.000	-9.5
Endosulfan I	5.249	5.151	5.351	44.100	50.000	-11.8
Endosulfan II	6.083	5.984	6.184	44.610	50.000	-10.8
Endosulfan sulfate	6.484	6.386	6.586	43.910	50.000	-12.2
Endrin	5.791	5.693	5.893	44.180	50.000	-11.6
Endrin aldehyde	6.260	6.163	6.363	43.450	50.000	-13.1
Endrin ketone	6.994	6.895	7.095	43.780	50.000	-12.4
gamma-BHC (Lindane)	3.732	3.633	3.833	45.060	50.000	-9.9
gamma-Chlordane	5.128	5.030	5.230	45.140	50.000	-9.7
Heptachlor	4.085	3.986	4.186	45.340	50.000	-9.3
Heptachlor epoxide	4.875	4.777	4.977	45.290	50.000	-9.4
Methoxychlor	6.757	6.659	6.859	43.610	50.000	-12.8
Tetrachloro-m-xylene	2.882	2.783	2.983	44.840	50.000	-10.3

Quantitation Report (QT Reviewed)

Sample Results: **PD088475.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 17:32
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	98746069	655.7E6	49.437	44.844
28)	SA Decachlor...	9.073	8.075	159.0E6	758.8E6	48.053	41.063
	Target Compounds						
2)	A alpha-BHC	4.000	3.395	222.7E6	1040.0E6	51.651	45.490
3)	MA gamma-BHC...	4.331	3.732	214.2E6	970.5E6	51.146	45.058
4)	MA Heptachlor	4.930	4.085	213.9E6	970.2E6	52.959	45.339
5)	MB Aldrin	5.272	4.371	206.4E6	961.0E6	52.260	46.198
6)	B beta-BHC	4.516	4.027	82809525	424.4E6	51.011	45.856
7)	B delta-BHC	4.764	4.264	212.7E6	971.4E6	51.553	45.689
8)	B Heptachlo...	5.692	4.875	184.6E6	855.8E6	51.653	45.293
9)	A Endosulfan I	6.075	5.249	176.0E6	794.3E6	52.111	44.097
10)	B gamma-Chl...	5.946	5.128	191.4E6	916.2E6	52.837	45.142
11)	B alpha-Chl...	6.028	5.193	189.0E6	884.1E6	52.353	45.099
12)	B 4,4'-DDE	6.196	5.377	168.0E6	902.8E6	50.922	45.840
13)	MA Dieldrin	6.347	5.515	186.5E6	901.5E6	52.271	45.226
14)	MA Endrin	6.575	5.791	152.1E6	804.1E6	50.987	44.177
15)	B Endosulfa...	6.786	6.083	157.0E6	781.7E6	50.227	44.614
16)	A 4,4'-DDD	6.705	5.932	129.6E6	737.0E6	51.545	44.975
17)	MA 4,4'-DDT	7.021	6.186	143.5E6	778.6E6	51.668	45.756
18)	B Endrin al...	6.915	6.260	115.1E6	577.9E6	49.873	43.450
19)	B Endosulfa...	7.150	6.484	147.0E6	752.3E6	51.105	43.907
20)	A Methoxychlor	7.494	6.757	75948393	397.8E6	50.648	43.612
21)	B Endrin ke...	7.630	6.994	158.2E6	818.8E6	51.249	43.776
22)	Mirex	8.114	7.188	117.7E6	636.7E6	50.115	42.962

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

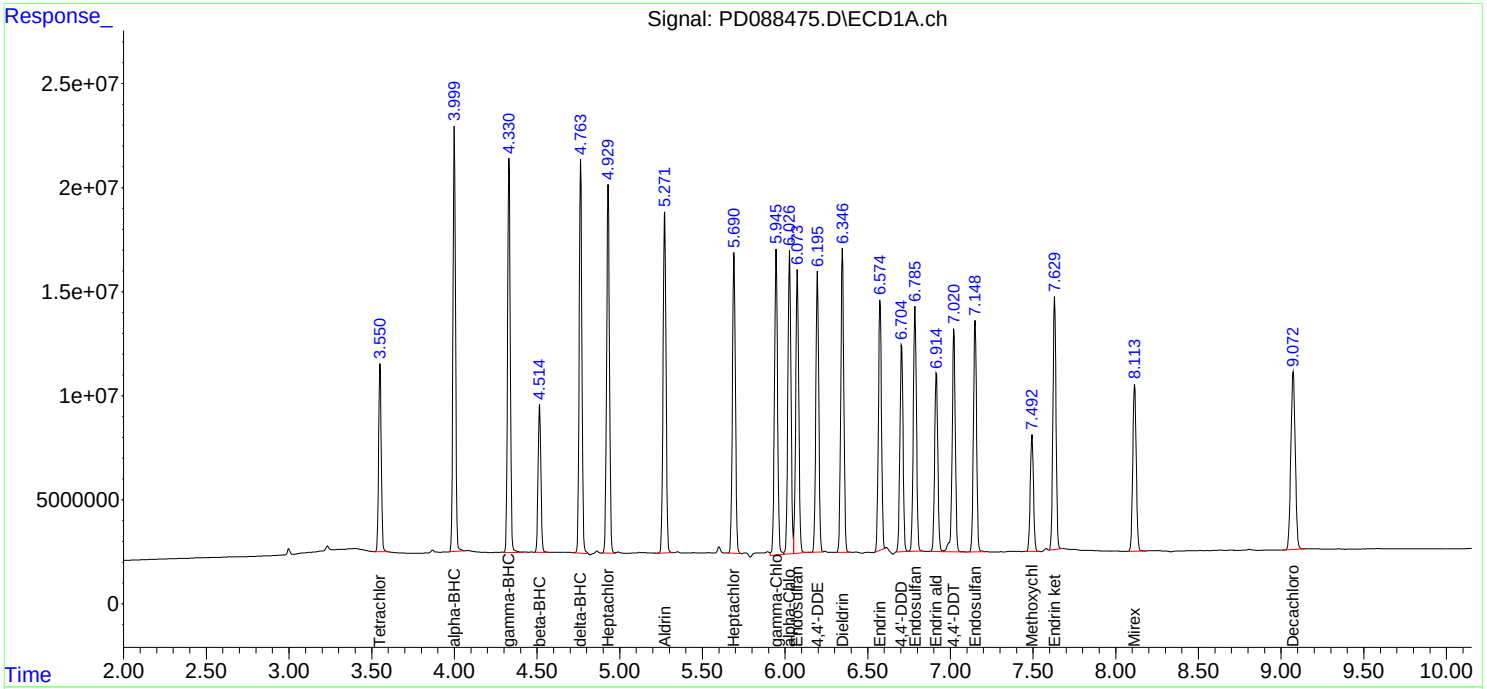
Sample Results: **PD088475.D**

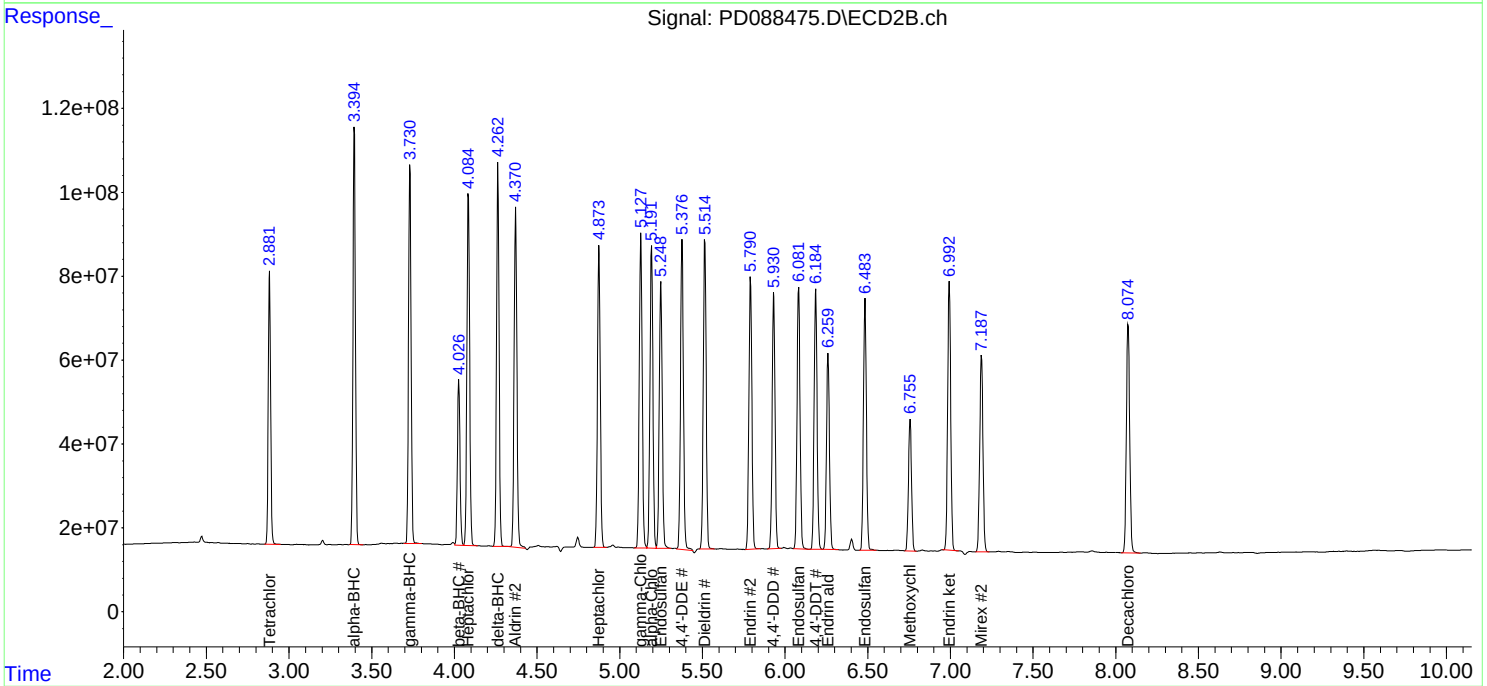
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 17:32
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088484.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 19:35 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088484.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 19:35 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.01
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088484.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088484.D **Time Analyzed:** 19:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.606	6.806	52.060	50.000	4.1
4,4'-DDE	6.196	6.097	6.297	50.920	50.000	1.8
4,4'-DDT	7.021	6.922	7.122	51.630	50.000	3.3
Aldrin	5.272	5.173	5.373	52.200	50.000	4.4
alpha-BHC	4.000	3.901	4.101	51.480	50.000	3.0
alpha-Chlordane	6.028	5.929	6.129	52.580	50.000	5.2
beta-BHC	4.516	4.416	4.616	50.890	50.000	1.8
Decachlorobiphenyl	9.073	8.975	9.175	48.550	50.000	-2.9
delta-BHC	4.764	4.665	4.865	51.480	50.000	3.0
Dieldrin	6.348	6.249	6.449	52.570	50.000	5.1
Endosulfan I	6.075	5.976	6.176	52.310	50.000	4.6
Endosulfan II	6.786	6.687	6.887	50.510	50.000	1.0
Endosulfan sulfate	7.149	7.050	7.250	51.510	50.000	3.0
Endrin	6.575	6.476	6.676	50.660	50.000	1.3
Endrin aldehyde	6.915	6.816	7.016	50.390	50.000	0.8
Endrin ketone	7.630	7.531	7.731	51.460	50.000	2.9
gamma-BHC (Lindane)	4.331	4.232	4.432	51.000	50.000	2.0
gamma-Chlordane	5.946	5.847	6.047	53.040	50.000	6.1
Heptachlor	4.931	4.831	5.031	52.610	50.000	5.2
Heptachlor epoxide	5.692	5.592	5.792	51.820	50.000	3.6
Methoxychlor	7.493	7.395	7.595	50.480	50.000	1.0
Tetrachloro-m-xylene	3.551	3.452	3.652	49.460	50.000	-1.1

Raw Data: **PD088484.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088484.D **Time Analyzed:** 19:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.931	5.834	6.034	45.140	50.000	-9.7
4,4'-DDE	5.377	5.280	5.480	45.770	50.000	-8.5
4,4'-DDT	6.185	6.088	6.288	45.360	50.000	-9.3
Aldrin	4.371	4.273	4.473	45.780	50.000	-8.4
alpha-BHC	3.395	3.296	3.496	45.270	50.000	-9.5
alpha-Chlordane	5.192	5.094	5.294	44.840	50.000	-10.3
beta-BHC	4.027	3.928	4.128	45.380	50.000	-9.2
Decachlorobiphenyl	8.074	7.977	8.177	41.590	50.000	-16.8
delta-BHC	4.264	4.165	4.365	45.350	50.000	-9.3
Dieldrin	5.515	5.417	5.617	45.110	50.000	-9.8
Endosulfan I	5.249	5.151	5.351	43.900	50.000	-12.2
Endosulfan II	6.082	5.984	6.184	44.400	50.000	-11.2
Endosulfan sulfate	6.483	6.386	6.586	44.010	50.000	-12.0
Endrin	5.791	5.693	5.893	44.040	50.000	-11.9
Endrin aldehyde	6.260	6.163	6.363	43.430	50.000	-13.1
Endrin ketone	6.993	6.895	7.095	44.410	50.000	-11.2
gamma-BHC (Lindane)	3.732	3.633	3.833	44.790	50.000	-10.4
gamma-Chlordane	5.127	5.030	5.230	45.010	50.000	-10.0
Heptachlor	4.085	3.986	4.186	45.020	50.000	-10.0
Heptachlor epoxide	4.875	4.777	4.977	45.110	50.000	-9.8
Methoxychlor	6.756	6.659	6.859	43.950	50.000	-12.1
Tetrachloro-m-xylene	2.883	2.783	2.983	44.650	50.000	-10.7

Quantitation Report (QT Reviewed)

Sample Results: **PD088484.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 19:35
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.551	2.883	98799964	652.8E6	49.464	44.646
28) SA	Decachlor...	9.073	8.074	160.6E6	768.5E6	48.547	41.589
	Target Compounds						
2) A	alpha-BHC	4.000	3.395	222.0E6	1035.0E6	51.485	45.274
3) MA	gamma-BHC...	4.331	3.732	213.5E6	964.7E6	50.996	44.789
4) MA	Heptachlor	4.931	4.085	212.5E6	963.3E6	52.613	45.019
5) MB	Aldrin	5.272	4.371	206.2E6	952.4E6	52.205	45.782
6) B	beta-BHC	4.516	4.027	82615547	419.9E6	50.891	45.377
7) B	delta-BHC	4.764	4.264	212.4E6	964.2E6	51.483	45.347
8) B	Heptachlo...	5.692	4.875	185.2E6	852.4E6	51.821	45.114
9) A	Endosulfan I	6.075	5.249	176.6E6	790.7E6	52.307	43.898
10) B	gamma-Chl...	5.946	5.127	192.1E6	913.5E6	53.040	45.008
11) B	alpha-Chl...	6.028	5.192	189.8E6	879.0E6	52.576	44.838
12) B	4,4'-DDE	6.196	5.377	168.0E6	901.5E6	50.921	45.775
13) MA	Dieldrin	6.348	5.515	187.6E6	899.2E6	52.567	45.110
14) MA	Endrin	6.575	5.791	151.1E6	801.7E6	50.664	44.044
15) B	Endosulfa...	6.786	6.082	157.9E6	778.0E6	50.507	44.401
16) A	4,4'-DDD	6.705	5.931	130.9E6	739.7E6	52.059	45.141
17) MA	4,4'-DDT	7.021	6.185	143.4E6	771.9E6	51.625	45.364
18) B	Endrin al...	6.915	6.260	116.3E6	577.7E6	50.389	43.434
19) B	Endosulfa...	7.149	6.483	148.1E6	754.0E6	51.513	44.008
20) A	Methoxychlor	7.493	6.756	75695695	400.9E6	50.479	43.950
21) B	Endrin ke...	7.630	6.993	158.8E6	830.6E6	51.460	44.406
22)	Mirex	8.114	7.187	118.9E6	642.0E6	50.644	43.319

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

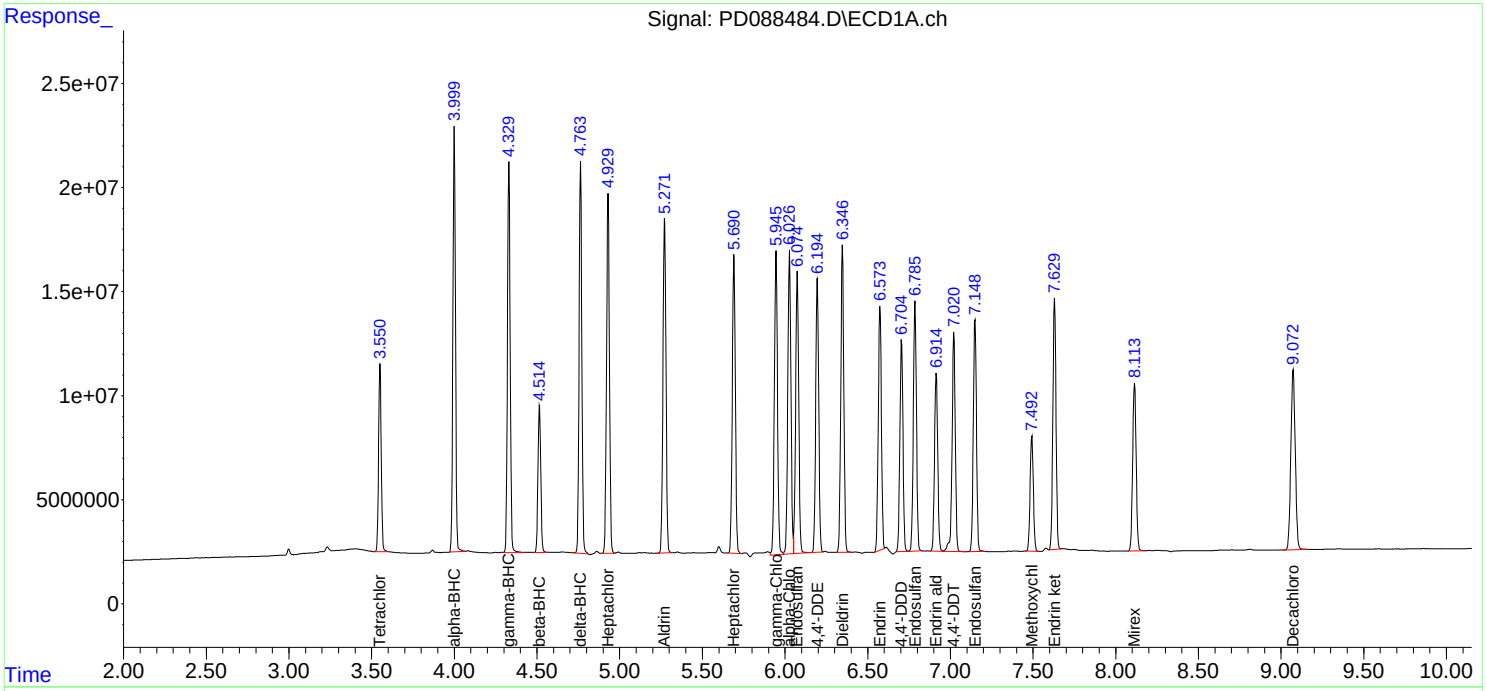
Sample Results: **PD088484.D**

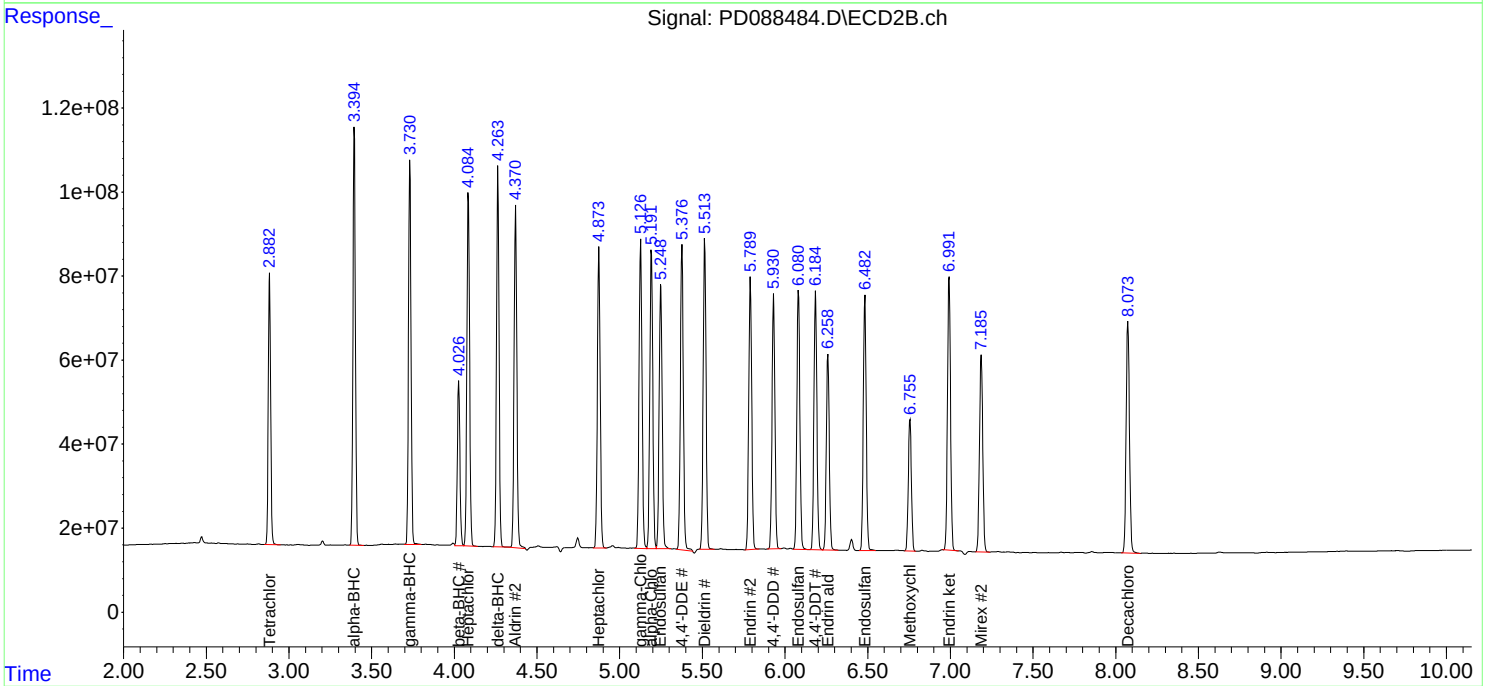
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 19:35
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088495.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 02:17 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088495.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 02:17 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088495.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088495.D **Time Analyzed:** 02:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	53.680	50.000	7.4
4,4'-DDE	6.197	6.097	6.297	51.500	50.000	3.0
4,4'-DDT	7.022	6.922	7.122	52.040	50.000	4.1
Aldrin	5.273	5.173	5.373	54.330	50.000	8.7
alpha-BHC	4.001	3.901	4.101	53.850	50.000	7.7
alpha-Chlordane	6.029	5.929	6.129	54.070	50.000	8.1
beta-BHC	4.517	4.416	4.616	52.920	50.000	5.8
Decachlorobiphenyl	9.074	8.975	9.175	47.810	50.000	-4.4
delta-BHC	4.765	4.665	4.865	53.340	50.000	6.7
Dieldrin	6.349	6.249	6.449	53.650	50.000	7.3
Endosulfan I	6.076	5.976	6.176	53.640	50.000	7.3
Endosulfan II	6.787	6.687	6.887	51.580	50.000	3.2
Endosulfan sulfate	7.151	7.050	7.250	51.810	50.000	3.6
Endrin	6.576	6.476	6.676	52.100	50.000	4.2
Endrin aldehyde	6.916	6.816	7.016	49.710	50.000	-0.6
Endrin ketone	7.632	7.531	7.731	51.460	50.000	2.9
gamma-BHC (Lindane)	4.332	4.232	4.432	53.200	50.000	6.4
gamma-Chlordane	5.948	5.847	6.047	54.370	50.000	8.7
Heptachlor	4.932	4.831	5.031	54.940	50.000	9.9
Heptachlor epoxide	5.692	5.592	5.792	54.170	50.000	8.3
Methoxychlor	7.494	7.395	7.595	50.720	50.000	1.4
Tetrachloro-m-xylene	3.552	3.452	3.652	51.360	50.000	2.7

Raw Data: **PD088495.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088495.D **Time Analyzed:** 02:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	46.760	50.000	-6.5
4,4'-DDE	5.376	5.280	5.480	47.000	50.000	-6.0
4,4'-DDT	6.186	6.088	6.288	46.120	50.000	-7.8
Aldrin	4.370	4.273	4.473	47.650	50.000	-4.7
alpha-BHC	3.395	3.296	3.496	47.610	50.000	-4.8
alpha-Chlordane	5.193	5.094	5.294	46.780	50.000	-6.4
beta-BHC	4.027	3.928	4.128	47.270	50.000	-5.5
Decachlorobiphenyl	8.075	7.977	8.177	41.040	50.000	-17.9
delta-BHC	4.264	4.165	4.365	47.760	50.000	-4.5
Dieldrin	5.515	5.417	5.617	46.920	50.000	-6.2
Endosulfan I	5.249	5.151	5.351	42.220	50.000	-15.6
Endosulfan II	6.083	5.984	6.184	46.210	50.000	-7.6
Endosulfan sulfate	6.484	6.386	6.586	45.230	50.000	-9.5
Endrin	5.791	5.693	5.893	46.260	50.000	-7.5
Endrin aldehyde	6.261	6.163	6.363	43.860	50.000	-12.3
Endrin ketone	6.994	6.895	7.095	44.320	50.000	-11.4
gamma-BHC (Lindane)	3.732	3.633	3.833	46.970	50.000	-6.1
gamma-Chlordane	5.128	5.030	5.230	46.970	50.000	-6.1
Heptachlor	4.085	3.986	4.186	47.270	50.000	-5.5
Heptachlor epoxide	4.875	4.777	4.977	47.200	50.000	-5.6
Methoxychlor	6.757	6.659	6.859	44.620	50.000	-10.8
Tetrachloro-m-xylene	2.883	2.783	2.983	46.920	50.000	-6.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 02:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:31:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.552	2.883	102.6E6	686.1E6	51.358	46.925
28)	SA	Decachlor...	9.074	8.075	158.2E6	758.4E6	47.814	41.037
		Target Compounds						
2)	A	alpha-BHC	4.001	3.395	232.2E6	1088.4E6	53.849	47.609
3)	MA	gamma-BHC...	4.332	3.732	222.8E6	1011.6E6	53.205	46.967
4)	MA	Heptachlor	4.932	4.085	221.9E6	1011.4E6	54.939	47.265
5)	MB	Aldrin	5.273	4.370	214.6E6	991.2E6	54.334	47.650m
6)	B	beta-BHC	4.517	4.027	85906275	437.4E6	52.918	47.267
7)	B	delta-BHC	4.765	4.264	220.0E6	1015.4E6	53.339	47.757
8)	B	Heptachlo...	5.692	4.875	193.6E6	891.9E6	54.168	47.202
9)	A	Endosulfan I	6.076	5.249	181.1E6	760.6E6	53.636	42.224
10)	B	gamma-Chl...	5.948	5.128	196.9E6	953.3E6	54.367	46.971
11)	B	alpha-Chl...	6.029	5.193	195.2E6	917.0E6	54.070	46.781
12)	B	4,4'-DDE	6.197	5.376	169.9E6	925.7E6	51.501	47.005m
13)	MA	Dieldrin	6.349	5.515	191.5E6	935.2E6	53.654	46.918
14)	MA	Endrin	6.576	5.791	155.4E6	842.1E6	52.100	46.262
15)	B	Endosulfa...	6.787	6.083	161.3E6	809.6E6	51.582	46.207
16)	A	4,4'-DDD	6.706	5.932	135.0E6	766.2E6	53.678	46.759
17)	MA	4,4'-DDT	7.022	6.186	144.5E6	784.9E6	52.040	46.124
18)	B	Endrin al...	6.916	6.261	114.7E6	583.4E6	49.710	43.864
19)	B	Endosulfa...	7.151	6.484	149.0E6	775.0E6	51.811	45.234
20)	A	Methoxychlor	7.494	6.757	76052981	407.0E6	50.717	44.618
21)	B	Endrin ke...	7.632	6.994	158.8E6	829.0E6	51.456	44.323
22)		Mirex	8.115	7.188	118.1E6	643.5E6	50.312	43.417

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

Sample Results: **PD088495.D**

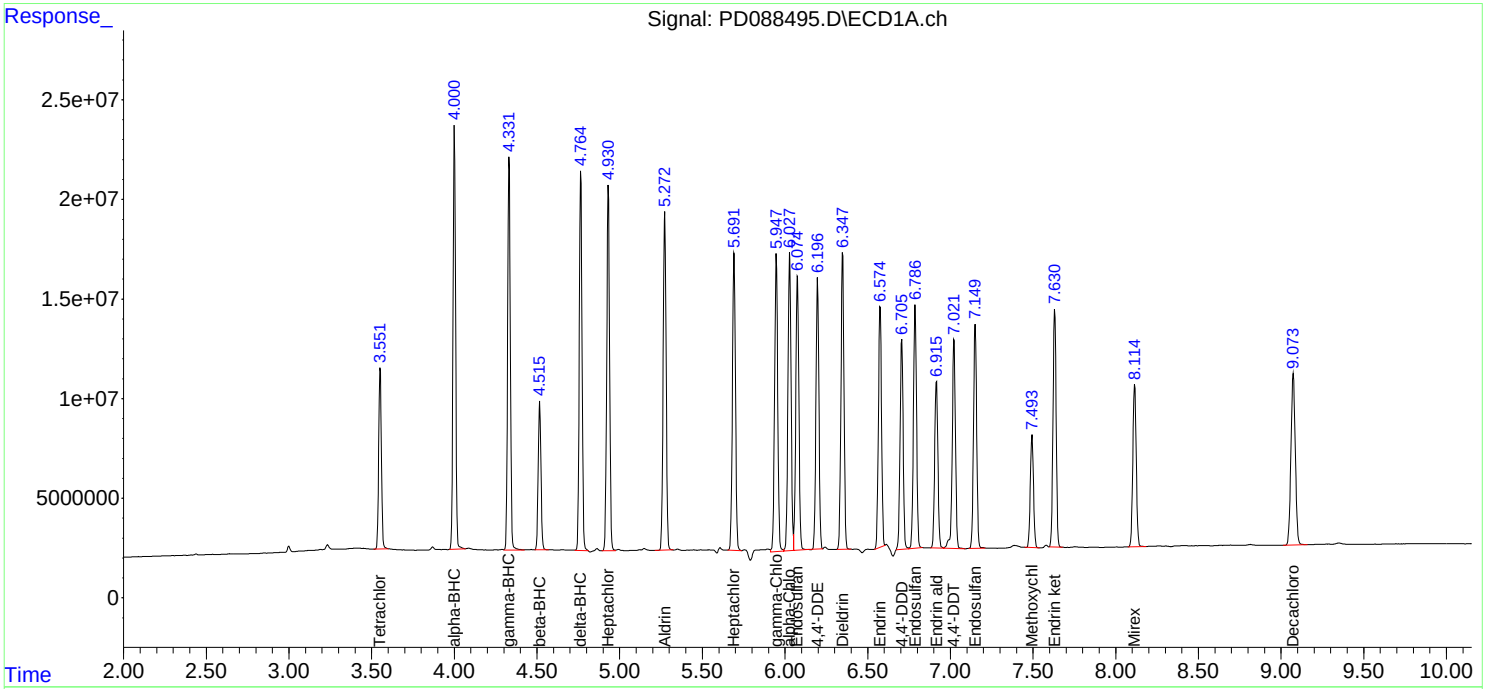
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 02:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

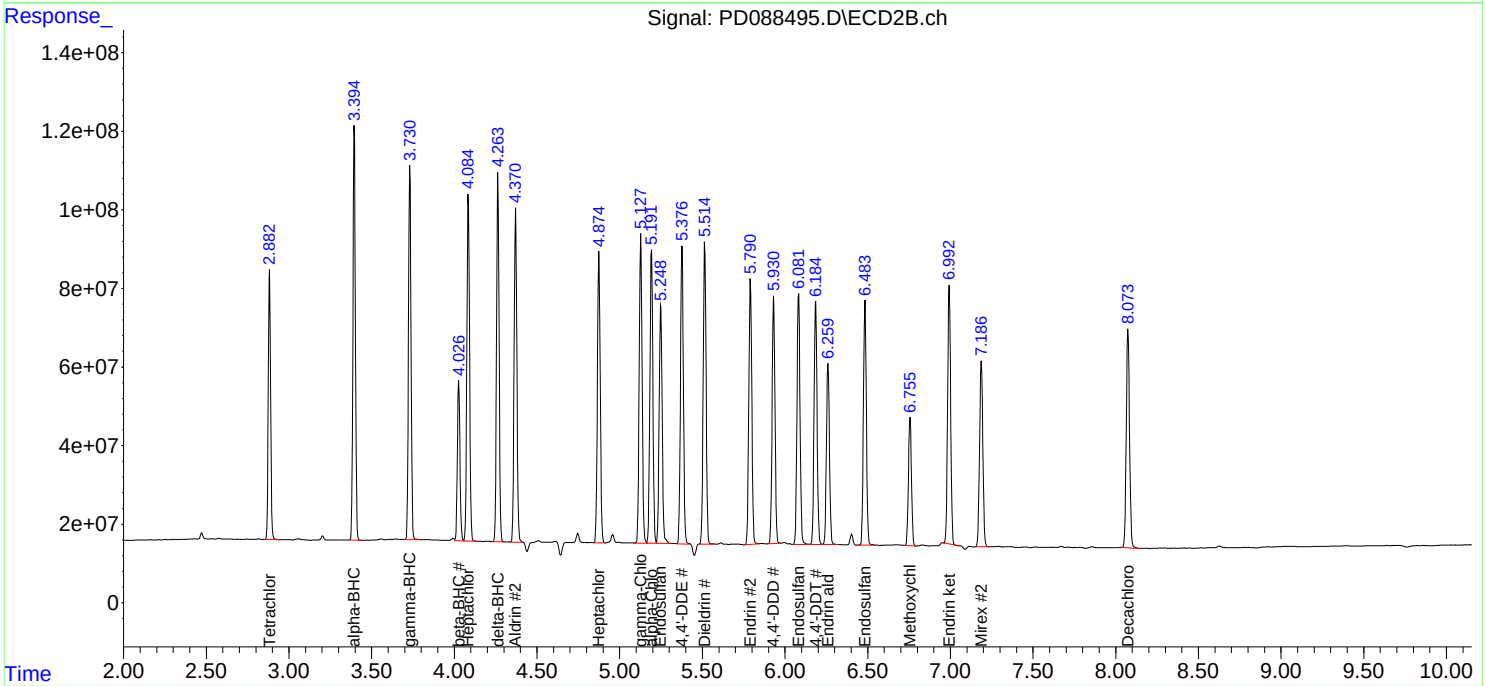
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:31:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088499.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088499.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088499.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088499.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	55.230	50.000	10.5
4,4'-DDE	6.197	6.097	6.297	52.340	50.000	4.7
4,4'-DDT	7.023	6.922	7.122	53.040	50.000	6.1
Aldrin	5.273	5.173	5.373	54.770	50.000	9.5
alpha-BHC	4.001	3.901	4.101	54.670	50.000	9.3
alpha-Chlordane	6.028	5.929	6.129	54.970	50.000	9.9
beta-BHC	4.516	4.416	4.616	53.370	50.000	6.7
Decachlorobiphenyl	9.074	8.975	9.175	48.950	50.000	-2.1
delta-BHC	4.765	4.665	4.865	54.030	50.000	8.1
Dieldrin	6.349	6.249	6.449	54.680	50.000	9.4
Endosulfan I	6.075	5.976	6.176	54.560	50.000	9.1
Endosulfan II	6.787	6.687	6.887	52.760	50.000	5.5
Endosulfan sulfate	7.151	7.050	7.250	52.790	50.000	5.6
Endrin	6.576	6.476	6.676	53.150	50.000	6.3
Endrin aldehyde	6.917	6.816	7.016	50.890	50.000	1.8
Endrin ketone	7.632	7.531	7.731	52.520	50.000	5.0
gamma-BHC (Lindane)	4.332	4.232	4.432	53.830	50.000	7.7
gamma-Chlordane	5.948	5.847	6.047	55.410	50.000	10.8
Heptachlor	4.931	4.831	5.031	55.670	50.000	11.3
Heptachlor epoxide	5.692	5.592	5.792	54.860	50.000	9.7
Methoxychlor	7.494	7.395	7.595	51.790	50.000	3.6
Tetrachloro-m-xylene	3.552	3.452	3.652	51.960	50.000	3.9

Raw Data: **PD088499.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088499.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	47.100	50.000	-5.8
4,4'-DDE	5.376	5.280	5.480	47.200	50.000	-5.6
4,4'-DDT	6.186	6.088	6.288	46.910	50.000	-6.2
Aldrin	4.369	4.273	4.473	47.620	50.000	-4.8
alpha-BHC	3.395	3.296	3.496	47.880	50.000	-4.2
alpha-Chlordane	5.192	5.094	5.294	47.010	50.000	-6.0
beta-BHC	4.027	3.928	4.128	47.190	50.000	-5.6
Decachlorobiphenyl	8.075	7.977	8.177	42.160	50.000	-15.7
delta-BHC	4.263	4.165	4.365	47.870	50.000	-4.3
Dieldrin	5.515	5.417	5.617	47.160	50.000	-5.7
Endosulfan I	5.248	5.151	5.351	41.720	50.000	-16.6
Endosulfan II	6.083	5.984	6.184	46.750	50.000	-6.5
Endosulfan sulfate	6.485	6.386	6.586	45.680	50.000	-8.6
Endrin	5.791	5.693	5.893	46.530	50.000	-6.9
Endrin aldehyde	6.261	6.163	6.363	44.600	50.000	-10.8
Endrin ketone	6.994	6.895	7.095	45.040	50.000	-9.9
gamma-BHC (Lindane)	3.731	3.633	3.833	47.220	50.000	-5.6
gamma-Chlordane	5.128	5.030	5.230	47.240	50.000	-5.5
Heptachlor	4.085	3.986	4.186	47.280	50.000	-5.4
Heptachlor epoxide	4.875	4.777	4.977	47.370	50.000	-5.3
Methoxychlor	6.757	6.659	6.859	45.070	50.000	-9.9
Tetrachloro-m-xylene	2.882	2.783	2.983	47.090	50.000	-5.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:55
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:07:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.552	2.882	103.8E6	688.6E6	51.956	47.092
28)	SA	Decachlor...	9.074	8.075	161.9E6	779.1E6	48.950	42.157
		Target Compounds						
2)	A	alpha-BHC	4.001	3.395	235.7E6	1094.6E6	54.670	47.878
3)	MA	gamma-BHC...	4.332	3.731	225.4E6	1017.0E6	53.833	47.217
4)	MA	Heptachlor	4.931	4.085	224.8E6	1011.7E6	55.666	47.278
5)	MB	Aldrin	5.273	4.369	216.3E6	990.6E6	54.767	47.619m
6)	B	beta-BHC	4.516	4.027	86646772	436.7E6	53.374	47.195
7)	B	delta-BHC	4.765	4.263	222.9E6	1017.8E6	54.032	47.868
8)	B	Heptachlo...	5.692	4.875	196.1E6	895.0E6	54.857	47.367
9)	A	Endosulfan I	6.075	5.248	184.3E6	751.4E6	54.565	41.715
10)	B	gamma-Chl...	5.948	5.128	200.7E6	958.7E6	55.406	47.238
11)	B	alpha-Chl...	6.028	5.192	198.4E6	921.6E6	54.970	47.013
12)	B	4,4'-DDE	6.197	5.376	172.6E6	929.5E6	52.343	47.198m
13)	MA	Dieldrin	6.349	5.515	195.1E6	940.0E6	54.683	47.158
14)	MA	Endrin	6.576	5.791	158.5E6	847.0E6	53.147	46.533
15)	B	Endosulfa...	6.787	6.083	164.9E6	819.2E6	52.760	46.752
16)	A	4,4'-DDD	6.706	5.932	138.9E6	771.8E6	55.229	47.099
17)	MA	4,4'-DDT	7.023	6.186	147.3E6	798.3E6	53.044	46.910
18)	B	Endrin al...	6.917	6.261	117.5E6	593.2E6	50.893	44.601
19)	B	Endosulfa...	7.151	6.485	151.8E6	782.6E6	52.791	45.679
20)	A	Methoxychlor	7.494	6.757	77657457	411.1E6	51.787	45.073
21)	B	Endrin ke...	7.632	6.994	162.1E6	842.5E6	52.519	45.044
22)		Mirex	8.115	7.188	120.6E6	657.5E6	51.345	44.364

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

Sample Results: **PD088499.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:55
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

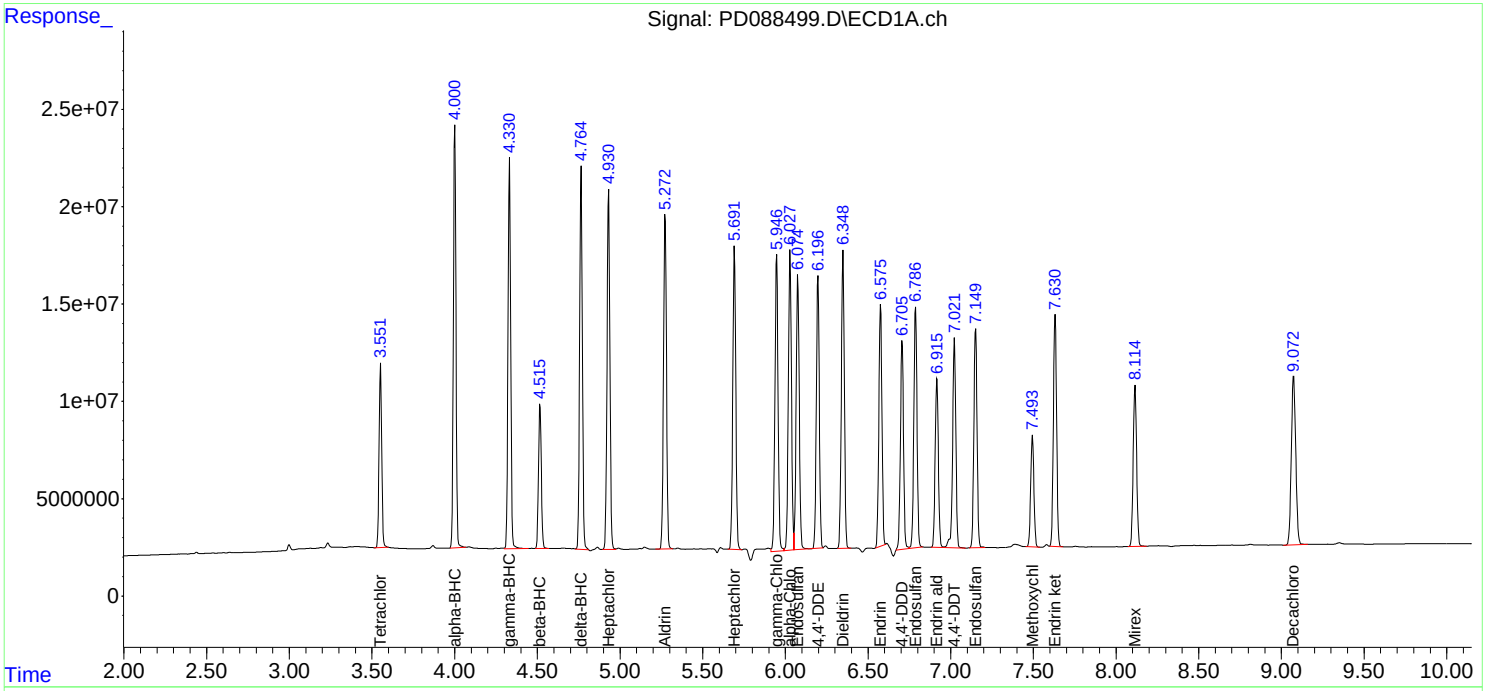
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

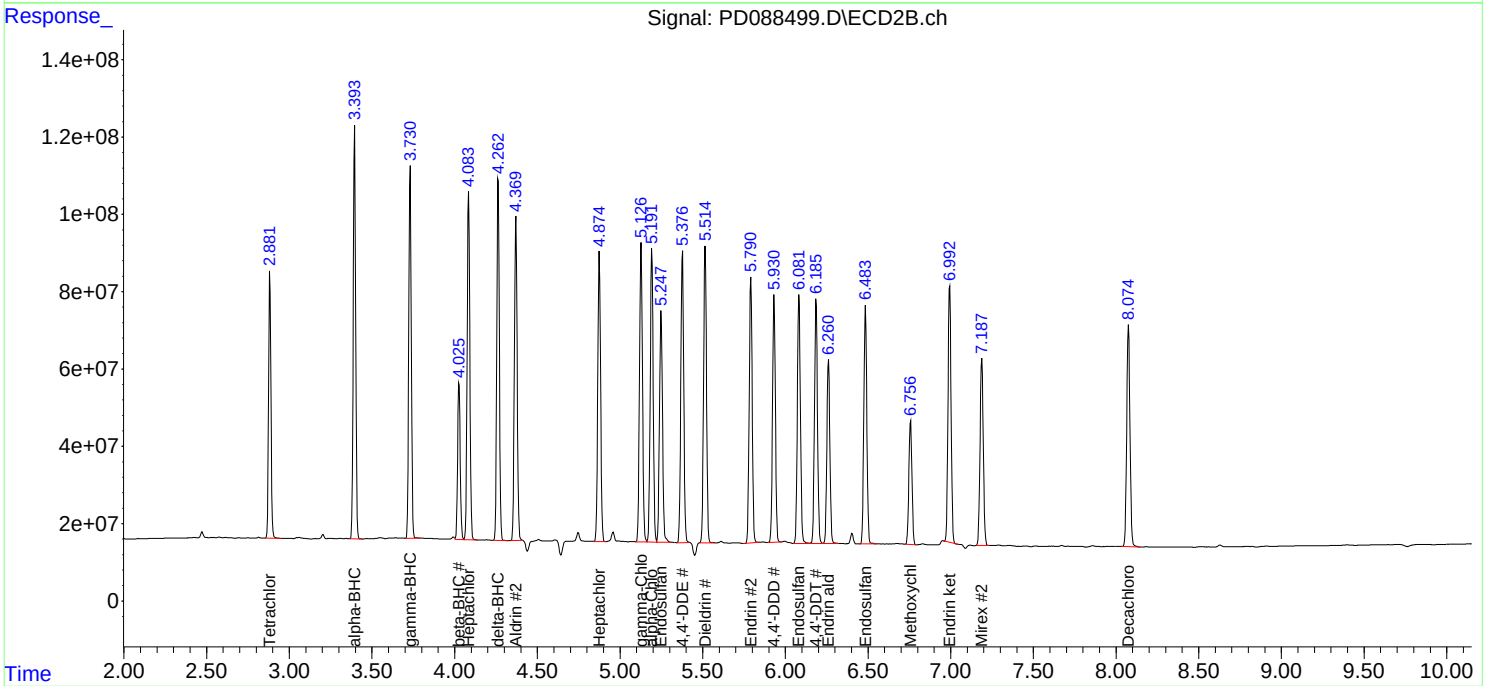
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:07:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088515.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 14:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.04	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088515.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 14:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.27	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	7.00	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088515.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088515.D **Time Analyzed:** 14:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.606	6.806	57.230	50.000	14.5
4,4'-DDE	6.203	6.097	6.297	52.410	50.000	4.8
4,4'-DDT	7.028	6.922	7.122	52.550	50.000	5.1
Aldrin	5.279	5.173	5.373	55.590	50.000	11.2
alpha-BHC	4.007	3.901	4.101	55.650	50.000	11.3
alpha-Chlordane	6.035	5.929	6.129	56.450	50.000	12.9
beta-BHC	4.523	4.416	4.616	54.330	50.000	8.7
Decachlorobiphenyl	9.080	8.975	9.175	48.470	50.000	-3.1
delta-BHC	4.771	4.665	4.865	56.620	50.000	13.2
Dieldrin	6.354	6.249	6.449	54.840	50.000	9.7
Endosulfan I	6.082	5.976	6.176	55.440	50.000	10.9
Endosulfan II	6.793	6.687	6.887	53.040	50.000	6.1
Endosulfan sulfate	7.156	7.050	7.250	53.000	50.000	6.0
Endrin	6.582	6.476	6.676	53.290	50.000	6.6
Endrin aldehyde	6.922	6.816	7.016	51.380	50.000	2.8
Endrin ketone	7.637	7.531	7.731	52.450	50.000	4.9
gamma-BHC (Lindane)	4.338	4.232	4.432	55.030	50.000	10.1
gamma-Chlordane	5.952	5.847	6.047	54.280	50.000	8.6
Heptachlor	4.937	4.831	5.031	55.970	50.000	11.9
Heptachlor epoxide	5.698	5.592	5.792	54.730	50.000	9.5
Methoxychlor	7.500	7.395	7.595	51.030	50.000	2.1
Tetrachloro-m-xylene	3.558	3.452	3.652	52.540	50.000	5.1

Raw Data: **PD088515.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088515.D **Time Analyzed:** 14:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.933	5.834	6.034	47.380	50.000	-5.2
4,4'-DDE	5.377	5.280	5.480	47.480	50.000	-5.0
4,4'-DDT	6.188	6.088	6.288	46.650	50.000	-6.7
Aldrin	4.370	4.273	4.473	48.250	50.000	-3.5
alpha-BHC	3.395	3.296	3.496	48.460	50.000	-3.1
alpha-Chlordane	5.194	5.094	5.294	47.400	50.000	-5.2
beta-BHC	4.028	3.928	4.128	48.190	50.000	-3.6
Decachlorobiphenyl	8.076	7.977	8.177	41.330	50.000	-17.3
delta-BHC	4.265	4.165	4.365	48.660	50.000	-2.7
Dieldrin	5.516	5.417	5.617	47.580	50.000	-4.8
Endosulfan I	5.249	5.151	5.351	41.650	50.000	-16.7
Endosulfan II	6.084	5.984	6.184	46.980	50.000	-6.0
Endosulfan sulfate	6.486	6.386	6.586	45.710	50.000	-8.6
Endrin	5.792	5.693	5.893	47.220	50.000	-5.6
Endrin aldehyde	6.262	6.163	6.363	44.930	50.000	-10.1
Endrin ketone	6.995	6.895	7.095	45.010	50.000	-10.0
gamma-BHC (Lindane)	3.732	3.633	3.833	47.870	50.000	-4.3
gamma-Chlordane	5.129	5.030	5.230	47.660	50.000	-4.7
Heptachlor	4.086	3.986	4.186	47.490	50.000	-5.0
Heptachlor epoxide	4.876	4.777	4.977	47.790	50.000	-4.4
Methoxychlor	6.758	6.659	6.859	45.030	50.000	-9.9
Tetrachloro-m-xylene	2.882	2.783	2.983	47.460	50.000	-5.1

Quantitation Report (QT Reviewed)

Sample Results: **PD088515.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:22
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:41:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.558	2.882	104.9E6	693.9E6	52.538	47.459
28)	SA	Decachlor...	9.080	8.076	160.3E6	763.7E6	48.470	41.326
		Target Compounds						
2)	A	alpha-BHC	4.007	3.395	240.0E6	1107.8E6	55.655	48.459
3)	MA	gamma-BHC...	4.338	3.732	230.5E6	1031.1E6	55.035	47.870
4)	MA	Heptachlor	4.937	4.086	226.1E6	1016.2E6	55.968	47.489
5)	MB	Aldrin	5.279	4.370	219.6E6	1003.7E6	55.594	48.248m
6)	B	beta-BHC	4.523	4.028	88197919	446.0E6	54.330	48.192
7)	B	delta-BHC	4.771	4.265	233.6E6	1034.6E6	56.622	48.661
8)	B	Heptachlo...	5.698	4.876	195.6E6	903.0E6	54.730	47.793
9)	A	Endosulfan I	6.082	5.249	187.2E6	750.2E6	55.444	41.646
10)	B	gamma-Chl...	5.952	5.129	196.6E6	967.4E6	54.275m	47.663
11)	B	alpha-Chl...	6.035	5.194	203.7E6	929.1E6	56.447	47.399
12)	B	4,4'-DDE	6.203	5.377	172.9E6	935.0E6	52.408	47.477m
13)	MA	Dieldrin	6.354	5.516	195.7E6	948.4E6	54.837	47.580
14)	MA	Endrin	6.582	5.792	158.9E6	859.6E6	53.292	47.223
15)	B	Endosulfa...	6.793	6.084	165.8E6	823.2E6	53.036	46.981
16)	A	4,4'-DDD	6.712	5.933	143.9E6	776.3E6	57.225	47.376
17)	MA	4,4'-DDT	7.028	6.188	146.0E6	793.8E6	52.550	46.649
18)	B	Endrin al...	6.922	6.262	118.6E6	597.6E6	51.376	44.930
19)	B	Endosulfa...	7.156	6.486	152.4E6	783.1E6	53.003	45.708
20)	A	Methoxychlor	7.500	6.758	76520112	410.7E6	51.029	45.032
21)	B	Endrin ke...	7.637	6.995	161.9E6	841.9E6	52.446	45.009
22)		Mirex	8.120	7.189	119.6E6	647.8E6	50.918	43.707

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 14:22
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

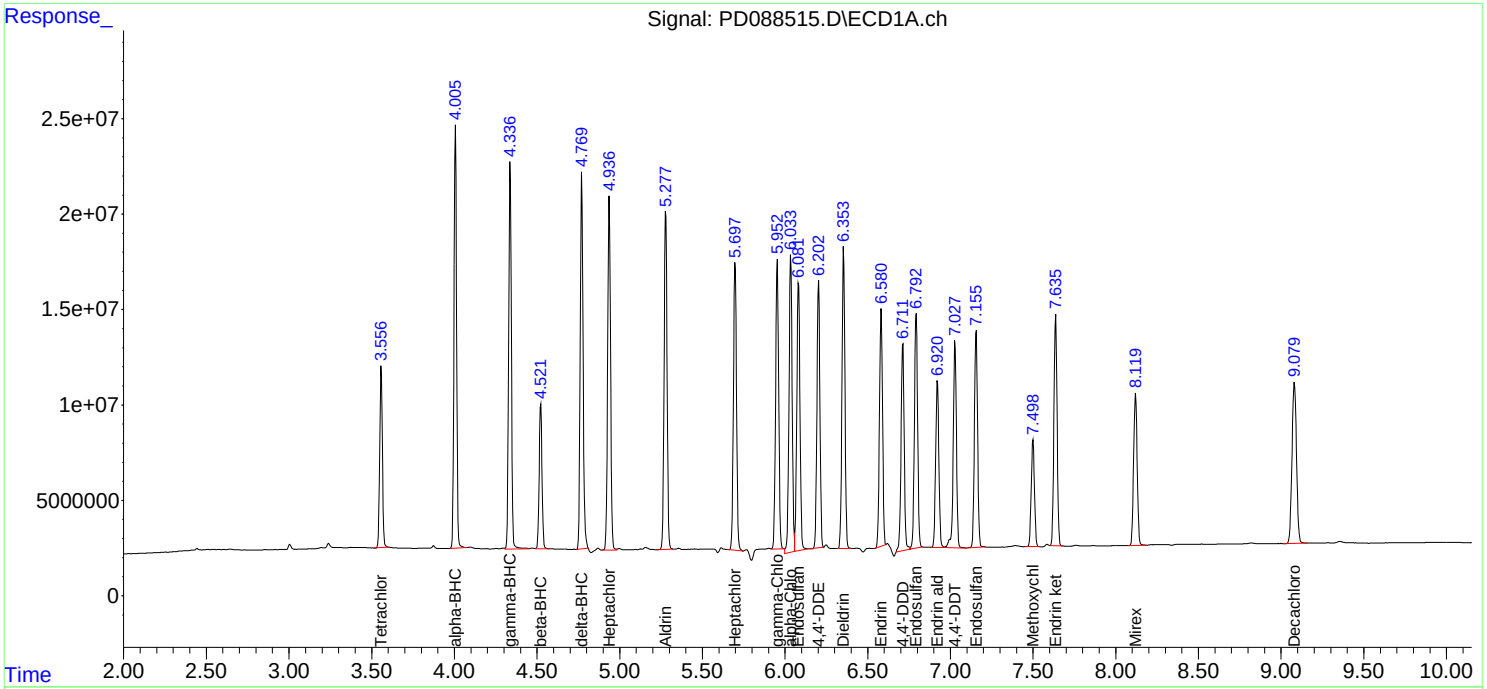
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

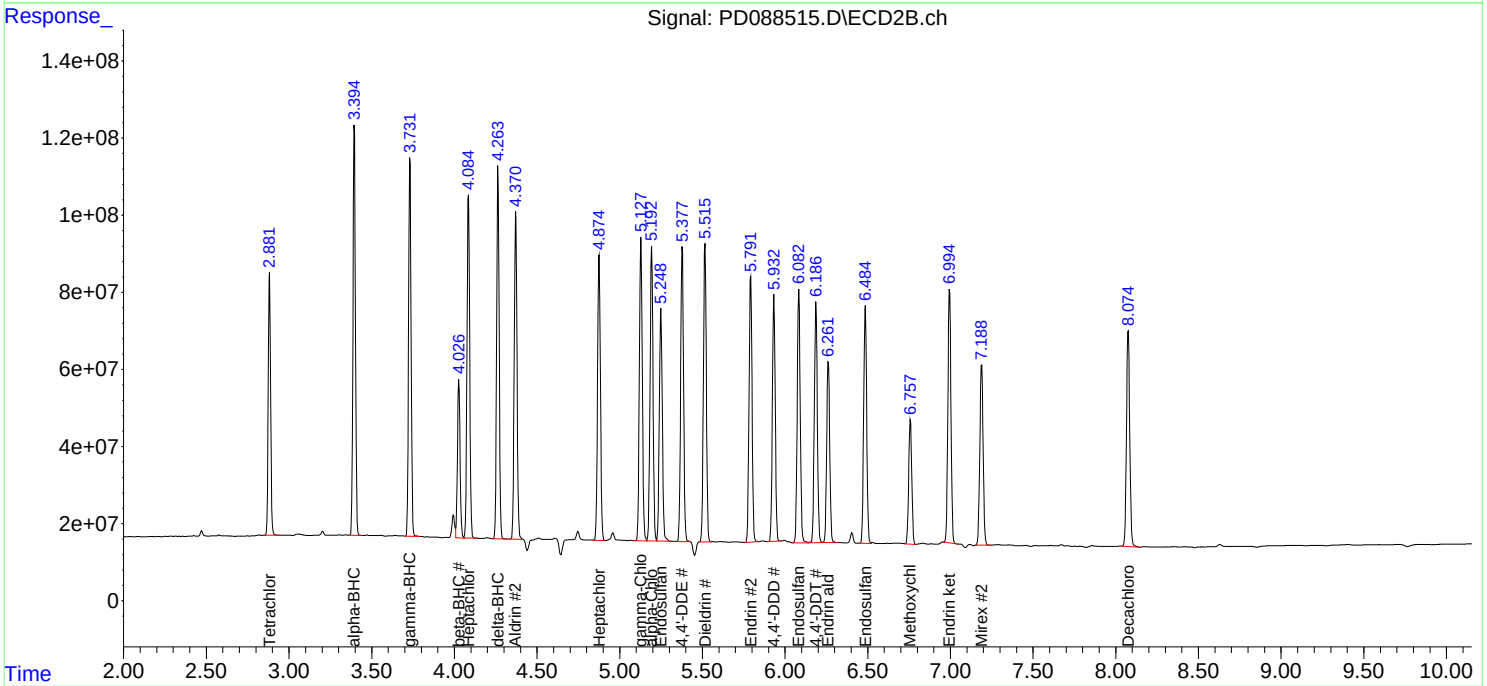
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:41:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088524.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 16:48 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088524.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 16:48 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088524.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088524.D **Time Analyzed:** 16:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	56.820	50.000	13.6
4,4'-DDE	6.197	6.097	6.297	53.840	50.000	7.7
4,4'-DDT	7.022	6.922	7.122	53.660	50.000	7.3
Aldrin	5.273	5.173	5.373	56.720	50.000	13.4
alpha-BHC	4.001	3.901	4.101	56.520	50.000	13.0
alpha-Chlordane	6.028	5.929	6.129	57.810	50.000	15.6
beta-BHC	4.517	4.416	4.616	55.090	50.000	10.2
Decachlorobiphenyl	9.074	8.975	9.175	49.430	50.000	-1.1
delta-BHC	4.765	4.665	4.865	55.970	50.000	11.9
Dieldrin	6.348	6.249	6.449	56.300	50.000	12.6
Endosulfan I	6.076	5.976	6.176	56.860	50.000	13.7
Endosulfan II	6.787	6.687	6.887	54.150	50.000	8.3
Endosulfan sulfate	7.150	7.050	7.250	54.210	50.000	8.4
Endrin	6.576	6.476	6.676	54.730	50.000	9.5
Endrin aldehyde	6.916	6.816	7.016	52.890	50.000	5.8
Endrin ketone	7.631	7.531	7.731	54.050	50.000	8.1
gamma-BHC (Lindane)	4.332	4.232	4.432	55.700	50.000	11.4
gamma-Chlordane	5.946	5.847	6.047	55.640	50.000	11.3
Heptachlor	4.931	4.831	5.031	56.770	50.000	13.5
Heptachlor epoxide	5.692	5.592	5.792	56.460	50.000	12.9
Methoxychlor	7.494	7.395	7.595	52.400	50.000	4.8
Tetrachloro-m-xylene	3.552	3.452	3.652	53.640	50.000	7.3

Raw Data: **PD088524.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088524.D **Time Analyzed:** 16:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	49.430	50.000	-1.1
4,4'-DDE	5.376	5.280	5.480	48.950	50.000	-2.1
4,4'-DDT	6.186	6.088	6.288	48.560	50.000	-2.9
Aldrin	4.369	4.273	4.473	49.770	50.000	-0.5
alpha-BHC	3.395	3.296	3.496	49.860	50.000	-0.3
alpha-Chlordane	5.192	5.094	5.294	48.800	50.000	-2.4
beta-BHC	4.027	3.928	4.128	49.070	50.000	-1.9
Decachlorobiphenyl	8.074	7.977	8.177	43.990	50.000	-12.0
delta-BHC	4.264	4.165	4.365	50.030	50.000	0.1
Dieldrin	5.515	5.417	5.617	49.090	50.000	-1.8
Endosulfan I	5.248	5.151	5.351	42.440	50.000	-15.1
Endosulfan II	6.082	5.984	6.184	48.880	50.000	-2.2
Endosulfan sulfate	6.484	6.386	6.586	47.580	50.000	-4.8
Endrin	5.792	5.693	5.893	48.940	50.000	-2.1
Endrin aldehyde	6.261	6.163	6.363	46.940	50.000	-6.1
Endrin ketone	6.993	6.895	7.095	47.120	50.000	-5.8
gamma-BHC (Lindane)	3.731	3.633	3.833	49.140	50.000	-1.7
gamma-Chlordane	5.128	5.030	5.230	49.070	50.000	-1.9
Heptachlor	4.085	3.986	4.186	49.080	50.000	-1.8
Heptachlor epoxide	4.874	4.777	4.977	49.180	50.000	-1.6
Methoxychlor	6.757	6.659	6.859	47.040	50.000	-5.9
Tetrachloro-m-xylene	2.882	2.783	2.983	48.860	50.000	-2.3

Quantitation Report (QT Reviewed)

Sample Results: **PD088524.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 16:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.552	2.882	107.1E6	714.4E6	53.638	48.859
28)	SA	Decachlor...	9.074	8.074	163.5E6	813.0E6	49.429	43.995
		Target Compounds						
2)	A	alpha-BHC	4.001	3.395	243.7E6	1140.0E6	56.519	49.864
3)	MA	gamma-BHC...	4.332	3.731	233.3E6	1058.4E6	55.702	49.140
4)	MA	Heptachlor	4.931	4.085	229.3E6	1050.2E6	56.765	49.079
5)	MB	Aldrin	5.273	4.369	224.0E6	1035.4E6	56.719	49.771m
6)	B	beta-BHC	4.517	4.027	89438678	454.1E6	55.094	49.071
7)	B	delta-BHC	4.765	4.264	230.9E6	1063.8E6	55.967	50.033
8)	B	Heptachlo...	5.692	4.874	201.8E6	929.2E6	56.458	49.181
9)	A	Endosulfan I	6.076	5.248	192.0E6	764.4E6	56.860	42.440 #
10)	B	gamma-Chl...	5.946	5.128	201.5E6	996.0E6	55.636m	49.074
11)	B	alpha-Chl...	6.028	5.192	208.7E6	956.7E6	57.811	48.803
12)	B	4,4'-DDE	6.197	5.376	177.6E6	964.0E6	53.838	48.951m
13)	MA	Dieldrin	6.348	5.515	200.9E6	978.5E6	56.304	49.088
14)	MA	Endrin	6.576	5.792	163.2E6	890.9E6	54.734	48.942
15)	B	Endosulfa...	6.787	6.082	169.3E6	856.5E6	54.148	48.880
16)	A	4,4'-DDD	6.706	5.932	142.9E6	810.0E6	56.824	49.430
17)	MA	4,4'-DDT	7.022	6.186	149.0E6	826.4E6	53.657	48.562
18)	B	Endrin al...	6.916	6.261	122.1E6	624.3E6	52.893	46.939
19)	B	Endosulfa...	7.150	6.484	155.9E6	815.2E6	54.215	47.583
20)	A	Methoxychlor	7.494	6.757	78569308	429.0E6	52.395	47.037
21)	B	Endrin ke...	7.631	6.993	166.8E6	881.3E6	54.053	47.119
22)		Mirex	8.115	7.188	123.0E6	683.4E6	52.377	46.114

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

Sample Results: **PD088524.D**

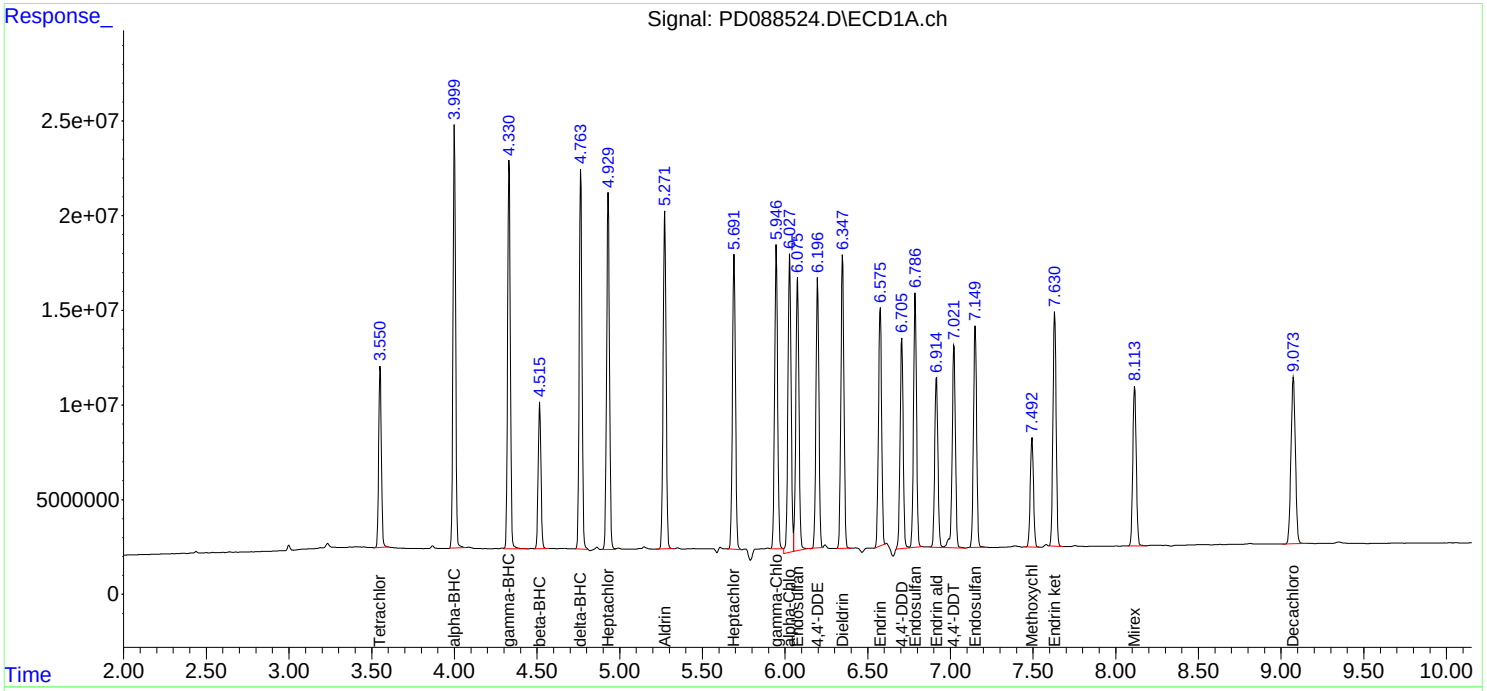
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 16:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

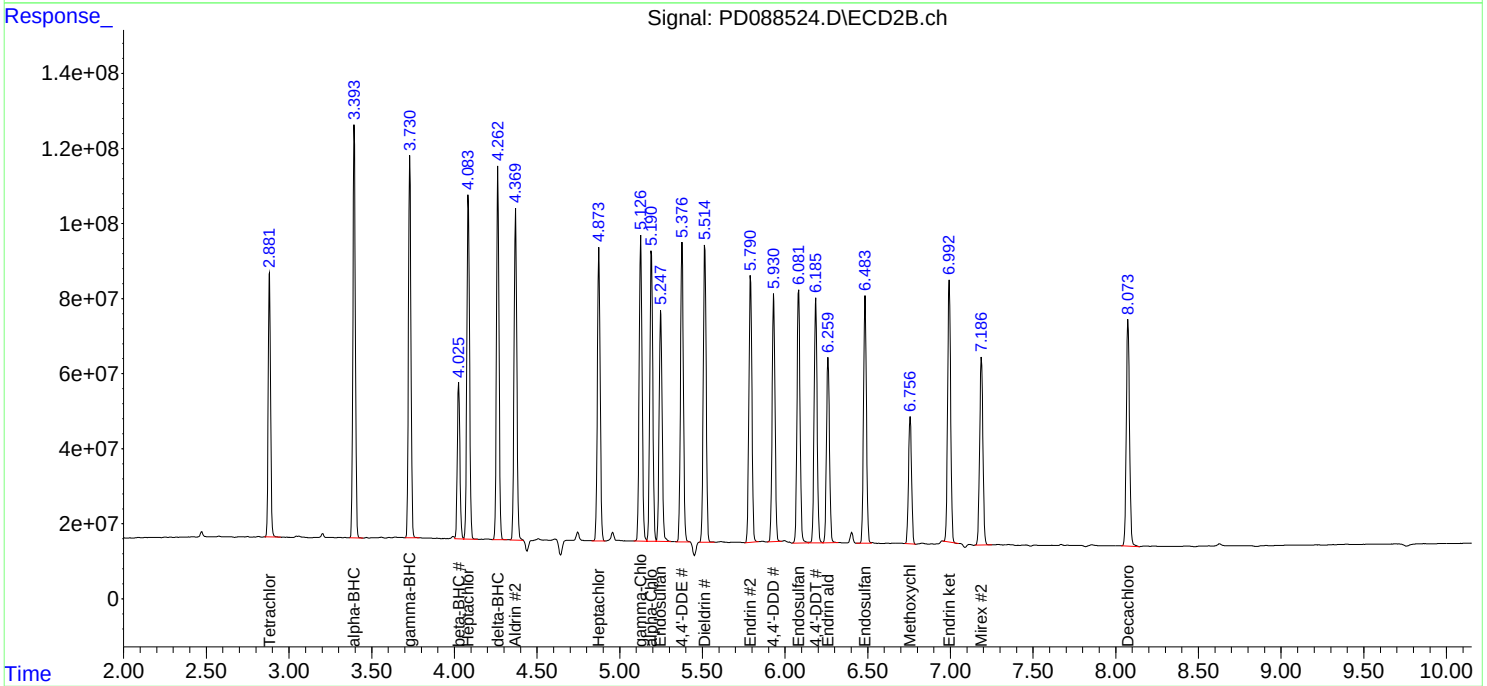
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088537.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 19:46 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088537.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 19:46 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088537.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088537.D **Time Analyzed:** 19:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.606	6.806	55.770	50.000	11.5
4,4'-DDE	6.196	6.097	6.297	52.660	50.000	5.3
4,4'-DDT	7.021	6.922	7.122	52.310	50.000	4.6
Aldrin	5.273	5.173	5.373	56.150	50.000	12.3
alpha-BHC	4.001	3.901	4.101	56.370	50.000	12.7
alpha-Chlordane	6.028	5.929	6.129	57.060	50.000	14.1
beta-BHC	4.516	4.416	4.616	54.700	50.000	9.4
Decachlorobiphenyl	9.072	8.975	9.175	48.530	50.000	-2.9
delta-BHC	4.765	4.665	4.865	55.790	50.000	11.6
Dieldrin	6.348	6.249	6.449	55.340	50.000	10.7
Endosulfan I	6.075	5.976	6.176	56.160	50.000	12.3
Endosulfan II	6.786	6.687	6.887	53.180	50.000	6.4
Endosulfan sulfate	7.150	7.050	7.250	53.210	50.000	6.4
Endrin	6.575	6.476	6.676	53.640	50.000	7.3
Endrin aldehyde	6.915	6.816	7.016	52.180	50.000	4.4
Endrin ketone	7.630	7.531	7.731	52.880	50.000	5.8
gamma-BHC (Lindane)	4.331	4.232	4.432	55.450	50.000	10.9
gamma-Chlordane	5.945	5.847	6.047	54.760	50.000	9.5
Heptachlor	4.931	4.831	5.031	56.180	50.000	12.4
Heptachlor epoxide	5.691	5.592	5.792	55.000	50.000	10.0
Methoxychlor	7.493	7.395	7.595	50.660	50.000	1.3
Tetrachloro-m-xylene	3.551	3.452	3.652	53.660	50.000	7.3

Raw Data: **PD088537.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088537.D **Time Analyzed:** 19:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	47.580	50.000	-4.8
4,4'-DDE	5.375	5.280	5.480	47.480	50.000	-5.0
4,4'-DDT	6.186	6.088	6.288	46.850	50.000	-6.3
Aldrin	4.369	4.273	4.473	48.520	50.000	-3.0
alpha-BHC	3.395	3.296	3.496	48.820	50.000	-2.4
alpha-Chlordane	5.192	5.094	5.294	47.350	50.000	-5.3
beta-BHC	4.027	3.928	4.128	47.720	50.000	-4.6
Decachlorobiphenyl	8.074	7.977	8.177	40.950	50.000	-18.1
delta-BHC	4.263	4.165	4.365	48.730	50.000	-2.5
Dieldrin	5.515	5.417	5.617	47.510	50.000	-5.0
Endosulfan I	5.248	5.151	5.351	40.920	50.000	-18.2
Endosulfan II	6.082	5.984	6.184	47.150	50.000	-5.7
Endosulfan sulfate	6.484	6.386	6.586	45.830	50.000	-8.3
Endrin	5.791	5.693	5.893	47.710	50.000	-4.6
Endrin aldehyde	6.260	6.163	6.363	45.360	50.000	-9.3
Endrin ketone	6.993	6.895	7.095	45.410	50.000	-9.2
gamma-BHC (Lindane)	3.731	3.633	3.833	48.050	50.000	-3.9
gamma-Chlordane	5.128	5.030	5.230	47.690	50.000	-4.6
Heptachlor	4.085	3.986	4.186	48.050	50.000	-3.9
Heptachlor epoxide	4.874	4.777	4.977	47.860	50.000	-4.3
Methoxychlor	6.756	6.659	6.859	45.410	50.000	-9.2
Tetrachloro-m-xylene	2.882	2.783	2.983	48.160	50.000	-3.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088537.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 19:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:47:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.551	2.882	107.2E6	704.1E6	53.660	48.157
28)	SA	Decachlor...	9.072	8.074	160.5E6	756.8E6	48.527	40.952
		Target Compounds						
2)	A	alpha-BHC	4.001	3.395	243.1E6	1116.0E6	56.370	48.817
3)	MA	gamma-BHC...	4.331	3.731	232.2E6	1035.0E6	55.454	48.053
4)	MA	Heptachlor	4.931	4.085	226.9E6	1028.2E6	56.184	48.053
5)	MB	Aldrin	5.273	4.369	221.8E6	1009.4E6	56.152	48.522m
6)	B	beta-BHC	4.516	4.027	88803675	441.6E6	54.703	47.720
7)	B	delta-BHC	4.765	4.263	230.1E6	1036.1E6	55.794	48.731
8)	B	Heptachlo...	5.691	4.874	196.6E6	904.3E6	55.003	47.861
9)	A	Endosulfan I	6.075	5.248	189.7E6	737.0E6	56.164	40.915 #
10)	B	gamma-Chl...	5.945	5.128	198.3E6	968.0E6	54.755m	47.695
11)	B	alpha-Chl...	6.028	5.192	206.0E6	928.2E6	57.061	47.350
12)	B	4,4'-DDE	6.196	5.375	173.7E6	935.1E6	52.660	47.481m
13)	MA	Dieldrin	6.348	5.515	197.5E6	947.1E6	55.339	47.513
14)	MA	Endrin	6.575	5.791	160.0E6	868.4E6	53.636	47.711
15)	B	Endosulfa...	6.786	6.082	166.2E6	826.1E6	53.178	47.148
16)	A	4,4'-DDD	6.705	5.932	140.3E6	779.6E6	55.768	47.578
17)	MA	4,4'-DDT	7.021	6.186	145.3E6	797.3E6	52.314	46.854
18)	B	Endrin al...	6.915	6.260	120.4E6	603.3E6	52.184	45.361
19)	B	Endosulfa...	7.150	6.484	153.0E6	785.2E6	53.208	45.829
20)	A	Methoxychlor	7.493	6.756	75967499	414.2E6	50.660	45.407
21)	B	Endrin ke...	7.630	6.993	163.2E6	849.4E6	52.883	45.415
22)		Mirex	8.114	7.187	121.0E6	644.5E6	51.516	43.486

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

Sample Results: **PD088537.D**

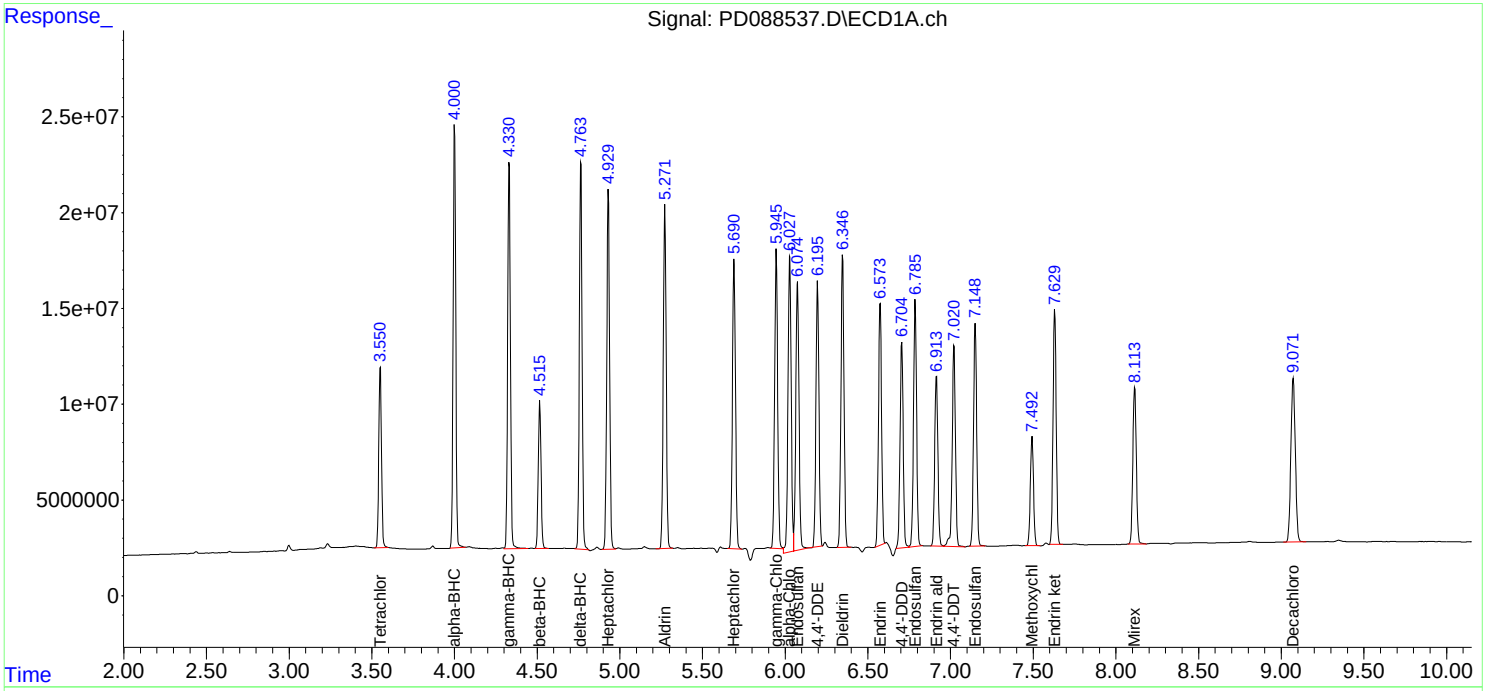
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088537.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 19:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

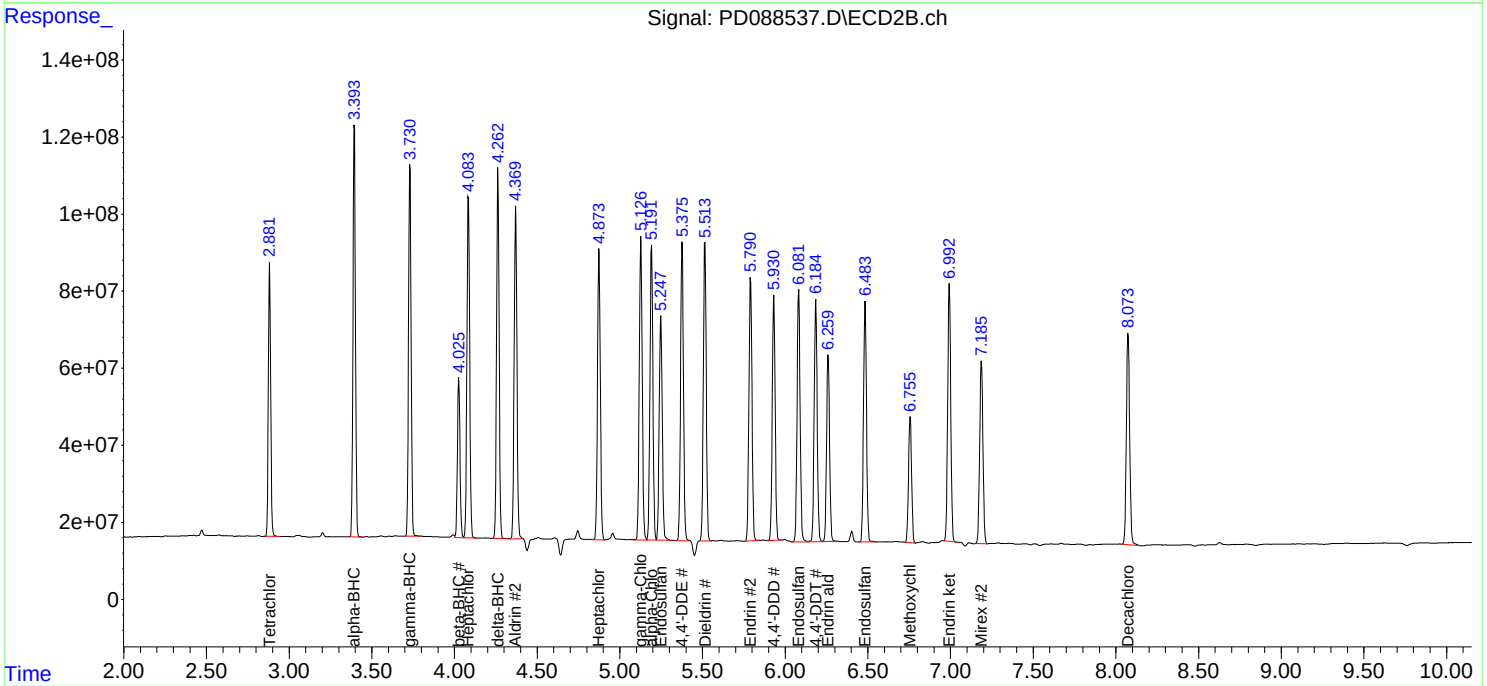
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:47:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088553.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:32 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088553.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:32 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088553.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL09 **Date Analyzed:** 05/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088553.D **Time Analyzed:** 09:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.708	6.606	6.806	56.100	50.000	12.2
4,4'-DDE	6.198	6.097	6.297	53.970	50.000	7.9
4,4'-DDT	7.023	6.922	7.122	53.870	50.000	7.7
Aldrin	5.274	5.173	5.373	56.550	50.000	13.1
alpha-BHC	4.001	3.901	4.101	56.800	50.000	13.6
alpha-Chlordane	6.030	5.929	6.129	56.180	50.000	12.4
beta-BHC	4.517	4.416	4.616	55.040	50.000	10.1
Decachlorobiphenyl	9.077	8.975	9.175	49.760	50.000	-0.5
delta-BHC	4.766	4.665	4.865	55.930	50.000	11.9
Dieldrin	6.350	6.249	6.449	56.050	50.000	12.1
Endosulfan I	6.077	5.976	6.176	55.920	50.000	11.8
Endosulfan II	6.788	6.687	6.887	54.320	50.000	8.6
Endosulfan sulfate	7.152	7.050	7.250	54.310	50.000	8.6
Endrin	6.577	6.476	6.676	53.380	50.000	6.8
Endrin aldehyde	6.917	6.816	7.016	53.450	50.000	6.9
Endrin ketone	7.633	7.531	7.731	54.580	50.000	9.2
gamma-BHC (Lindane)	4.332	4.232	4.432	55.710	50.000	11.4
gamma-Chlordane	5.949	5.847	6.047	56.700	50.000	13.4
Heptachlor	4.932	4.831	5.031	56.990	50.000	14.0
Heptachlor epoxide	5.693	5.592	5.792	55.460	50.000	10.9
Methoxychlor	7.495	7.395	7.595	51.810	50.000	3.6
Tetrachloro-m-xylene	3.552	3.452	3.652	54.060	50.000	8.1

Raw Data: **PD088553.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL09 **Date Analyzed:** 05/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088553.D **Time Analyzed:** 09:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	48.680	50.000	-2.6
4,4'-DDE	5.378	5.280	5.480	48.920	50.000	-2.2
4,4'-DDT	6.186	6.088	6.288	47.730	50.000	-4.5
Aldrin	4.371	4.273	4.473	49.570	50.000	-0.9
alpha-BHC	3.395	3.296	3.496	49.270	50.000	-1.5
alpha-Chlordane	5.193	5.094	5.294	48.190	50.000	-3.6
beta-BHC	4.027	3.928	4.128	48.880	50.000	-2.2
Decachlorobiphenyl	8.075	7.977	8.177	43.850	50.000	-12.3
delta-BHC	4.264	4.165	4.365	49.000	50.000	-2.0
Dieldrin	5.515	5.417	5.617	48.480	50.000	-3.0
Endosulfan I	5.249	5.151	5.351	47.220	50.000	-5.6
Endosulfan II	6.083	5.984	6.184	47.670	50.000	-4.7
Endosulfan sulfate	6.485	6.386	6.586	47.060	50.000	-5.9
Endrin	5.792	5.693	5.893	46.640	50.000	-6.7
Endrin aldehyde	6.261	6.163	6.363	46.820	50.000	-6.4
Endrin ketone	6.994	6.895	7.095	47.950	50.000	-4.1
gamma-BHC (Lindane)	3.731	3.633	3.833	48.430	50.000	-3.1
gamma-Chlordane	5.128	5.030	5.230	48.350	50.000	-3.3
Heptachlor	4.085	3.986	4.186	48.250	50.000	-3.5
Heptachlor epoxide	4.875	4.777	4.977	48.440	50.000	-3.1
Methoxychlor	6.757	6.659	6.859	45.800	50.000	-8.4
Tetrachloro-m-xylene	2.882	2.783	2.983	48.870	50.000	-2.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 09:32
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:16:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.552	2.882	108.0E6	714.6E6	54.056	48.873
28)	SA	Decachlor...	9.077	8.075	164.6E6	810.3E6	49.760	43.847
		Target Compounds						
2)	A	alpha-BHC	4.001	3.395	244.9E6	1126.4E6	56.804	49.269
3)	MA	gamma-BHC...	4.332	3.731	233.3E6	1043.2E6	55.707	48.433
4)	MA	Heptachlor	4.932	4.085	230.2E6	1032.4E6	56.989	48.246
5)	MB	Aldrin	5.274	4.371	223.3E6	1031.1E6	56.547	49.567
6)	B	beta-BHC	4.517	4.027	89350716	452.4E6	55.040	48.884
7)	B	delta-BHC	4.766	4.264	230.7E6	1041.9E6	55.934	49.004
8)	B	Heptachlo...	5.693	4.875	198.2E6	915.2E6	55.456	48.438
9)	A	Endosulfan I	6.077	5.249	188.8E6	850.5E6	55.918	47.217
10)	B	gamma-Chl...	5.949	5.128	205.4E6	981.3E6	56.698	48.348
11)	B	alpha-Chl...	6.030	5.193	202.8E6	944.6E6	56.185	48.186
12)	B	4,4'-DDE	6.198	5.378	178.0E6	963.5E6	53.965	48.923
13)	MA	Dieldrin	6.350	5.515	200.0E6	966.3E6	56.052	48.476
14)	MA	Endrin	6.577	5.792	159.2E6	849.0E6	53.375	46.640
15)	B	Endosulfa...	6.788	6.083	169.8E6	835.3E6	54.325	47.674
16)	A	4,4'-DDD	6.708	5.932	141.1E6	797.7E6	56.105	48.683
17)	MA	4,4'-DDT	7.023	6.186	149.6E6	812.2E6	53.866	47.730
18)	B	Endrin al...	6.917	6.261	123.4E6	622.7E6	53.449	46.820
19)	B	Endosulfa...	7.152	6.485	156.2E6	806.3E6	54.310	47.062
20)	A	Methoxychlor	7.495	6.757	77695098	417.7E6	51.812	45.800
21)	B	Endrin ke...	7.633	6.994	168.5E6	896.9E6	54.580	47.951
22)		Mirex	8.117	7.188	123.4E6	682.3E6	52.558	46.038

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

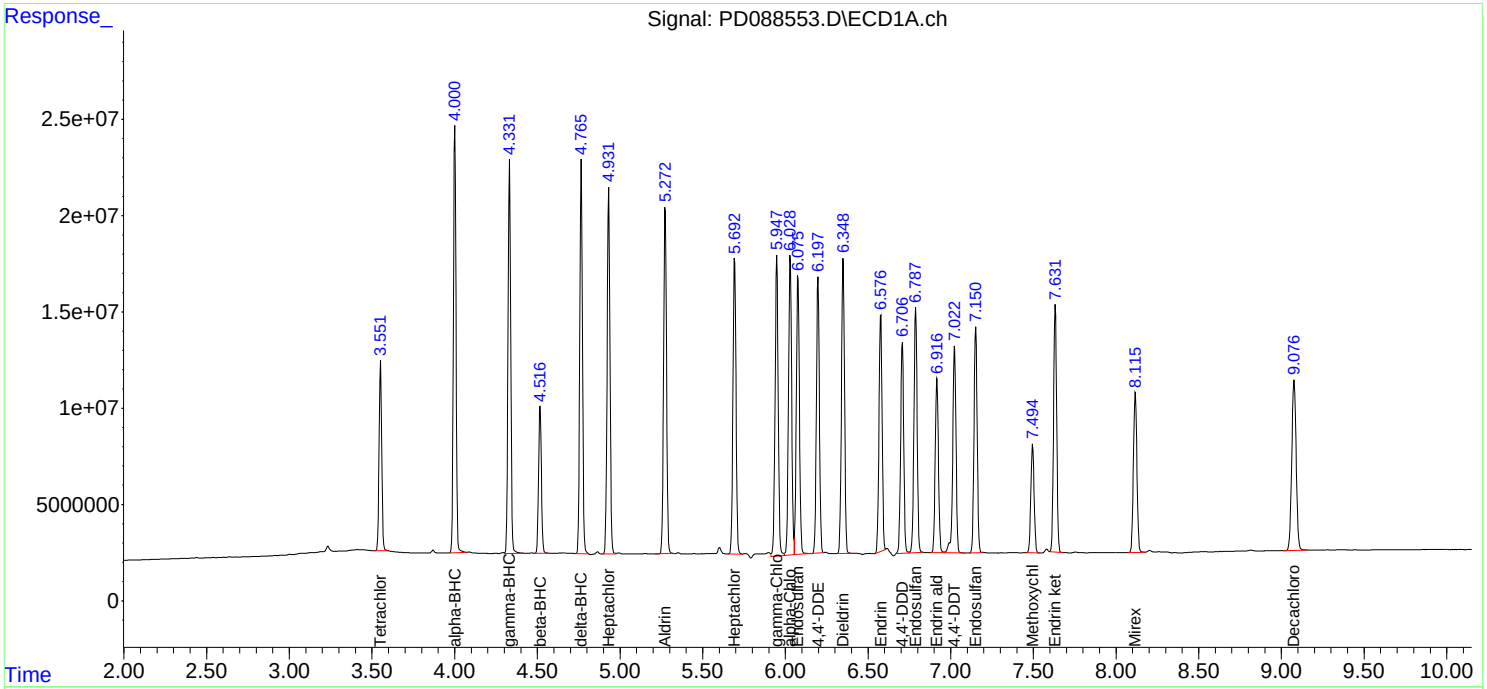
Sample Results: **PD088553.D**

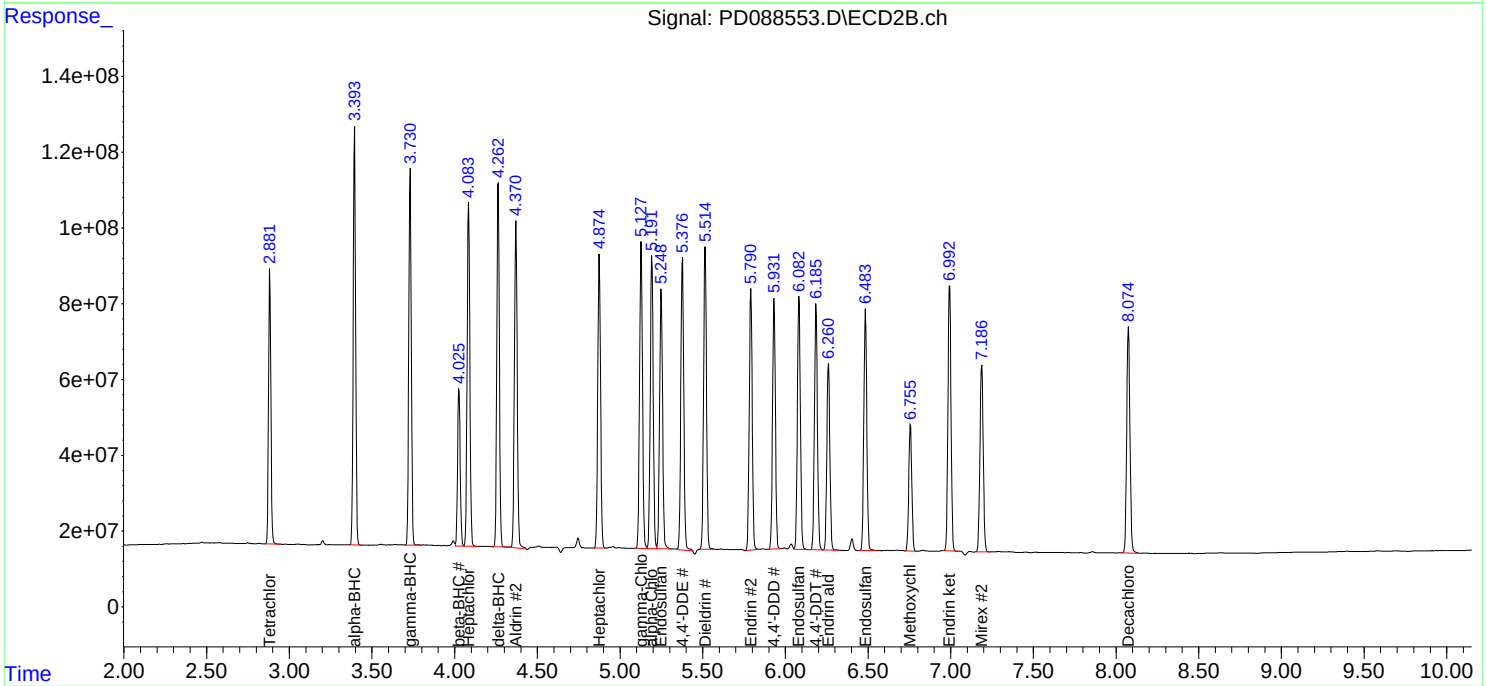
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 09:32
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:16:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088566.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 15:11 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.36	6.35	6.25	6.45	-0.01
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.04	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088566.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Continuing Calib Date: 05/15/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 15:11 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	7.00	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088566.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL10 **Date Analyzed:** 05/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088566.D **Time Analyzed:** 15:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.606	6.806	58.470	50.000	16.9
4,4'-DDE	6.204	6.097	6.297	54.860	50.000	9.7
4,4'-DDT	7.030	6.922	7.122	46.570	50.000	-6.9
Aldrin	5.280	5.173	5.373	58.220	50.000	16.4
alpha-BHC	4.007	3.901	4.101	59.520	50.000	19.0
alpha-Chlordane	6.035	5.929	6.129	57.590	50.000	15.2
beta-BHC	4.523	4.416	4.616	57.060	50.000	14.1
Decachlorobiphenyl	9.083	8.975	9.175	50.530	50.000	1.1
delta-BHC	4.772	4.665	4.865	57.580	50.000	15.2
Dieldrin	6.356	6.249	6.449	56.970	50.000	13.9
Endosulfan I	6.082	5.976	6.176	56.890	50.000	13.8
Endosulfan II	6.795	6.687	6.887	55.090	50.000	10.2
Endosulfan sulfate	7.158	7.050	7.250	53.960	50.000	7.9
Endrin	6.583	6.476	6.676	54.300	50.000	8.6
Endrin aldehyde	6.923	6.816	7.016	51.380	50.000	2.8
Endrin ketone	7.639	7.531	7.731	52.960	50.000	5.9
gamma-BHC (Lindane)	4.338	4.232	4.432	57.900	50.000	15.8
gamma-Chlordane	5.953	5.847	6.047	56.190	50.000	12.4
Heptachlor	4.938	4.831	5.031	56.190	50.000	12.4
Heptachlor epoxide	5.699	5.592	5.792	56.300	50.000	12.6
Methoxychlor	7.502	7.395	7.595	46.630	50.000	-6.7
Tetrachloro-m-xylene	3.558	3.452	3.652	56.160	50.000	12.3

Raw Data: **PD088566.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.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL10 **Date Analyzed:** 05/15/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088566.D **Time Analyzed:** 15:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.933	5.834	6.034	50.970	50.000	1.9
4,4'-DDE	5.377	5.280	5.480	49.140	50.000	-1.7
4,4'-DDT	6.187	6.088	6.288	43.150	50.000	-13.7
Aldrin	4.371	4.273	4.473	51.590	50.000	3.2
alpha-BHC	3.394	3.296	3.496	51.060	50.000	2.1
alpha-Chlordane	5.194	5.094	5.294	49.390	50.000	-1.2
beta-BHC	4.027	3.928	4.128	50.400	50.000	0.8
Decachlorobiphenyl	8.077	7.977	8.177	42.250	50.000	-15.5
delta-BHC	4.264	4.165	4.365	50.740	50.000	1.5
Dieldrin	5.516	5.417	5.617	49.380	50.000	-1.2
Endosulfan I	5.250	5.151	5.351	46.890	50.000	-6.2
Endosulfan II	6.084	5.984	6.184	48.000	50.000	-4.0
Endosulfan sulfate	6.486	6.386	6.586	47.050	50.000	-5.9
Endrin	5.793	5.693	5.893	48.660	50.000	-2.7
Endrin aldehyde	6.262	6.163	6.363	45.350	50.000	-9.3
Endrin ketone	6.995	6.895	7.095	46.110	50.000	-7.8
gamma-BHC (Lindane)	3.731	3.633	3.833	49.840	50.000	-0.3
gamma-Chlordane	5.129	5.030	5.230	49.820	50.000	-0.4
Heptachlor	4.085	3.986	4.186	48.240	50.000	-3.5
Heptachlor epoxide	4.875	4.777	4.977	49.790	50.000	-0.4
Methoxychlor	6.758	6.659	6.859	42.380	50.000	-15.2
Tetrachloro-m-xylene	2.882	2.783	2.983	50.330	50.000	0.7

Quantitation Report (QT Reviewed)

Sample Results: **PD088566.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 15:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:19:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.558	2.882	112.2E6	735.9E6	56.164	50.330
28)	SA	Decachlor...	9.083	8.077	167.2E6	780.7E6	50.534m	42.246
		Target Compounds						
2)	A	alpha-BHC	4.007	3.394	256.7E6	1167.3E6	59.520	51.061
3)	MA	gamma-BHC...	4.338	3.731	242.4E6	1073.5E6	57.895	49.841
4)	MA	Heptachlor	4.938	4.085	226.9E6	1032.2E6	56.188	48.237
5)	MB	Aldrin	5.280	4.371	229.9E6	1073.2E6	58.218	51.589
6)	B	beta-BHC	4.523	4.027	92637997	466.4E6	57.065	50.395
7)	B	delta-BHC	4.772	4.264	237.5E6	1078.7E6	57.582	50.735
8)	B	Heptachlo...	5.699	4.875	201.2E6	940.8E6	56.296	49.793
9)	A	Endosulfan I	6.082	5.250	192.1E6	844.7E6	56.890	46.893
10)	B	gamma-Chl...	5.953	5.129	203.5E6	1011.2E6	56.189m	49.822
11)	B	alpha-Chl...	6.035	5.194	207.9E6	968.2E6	57.594	49.393
12)	B	4,4'-DDE	6.204	5.377	181.0E6	967.8E6	54.864	49.144m
13)	MA	Dieldrin	6.356	5.516	203.3E6	984.3E6	56.966	49.381
14)	MA	Endrin	6.583	5.793	162.0E6	885.8E6	54.304	48.664
15)	B	Endosulfa...	6.795	6.084	172.2E6	841.0E6	55.090	47.997
16)	A	4,4'-DDD	6.712	5.933	147.1E6	835.2E6	58.471m	50.969
17)	MA	4,4'-DDT	7.030	6.187	129.4E6	734.3E6	46.570	43.150
18)	B	Endrin al...	6.923	6.262	118.6E6	603.2E6	51.378	45.351
19)	B	Endosulfa...	7.158	6.486	155.2E6	806.1E6	53.963	47.050
20)	A	Methoxychlor	7.502	6.758	69927669	386.6E6	46.633	42.384
21)	B	Endrin ke...	7.639	6.995	163.5E6	862.5E6	52.963	46.111
22)		Mirex	8.123	7.190	120.6E6	662.7E6	51.349	44.715

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

Sample Results: **PD088566.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 15:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

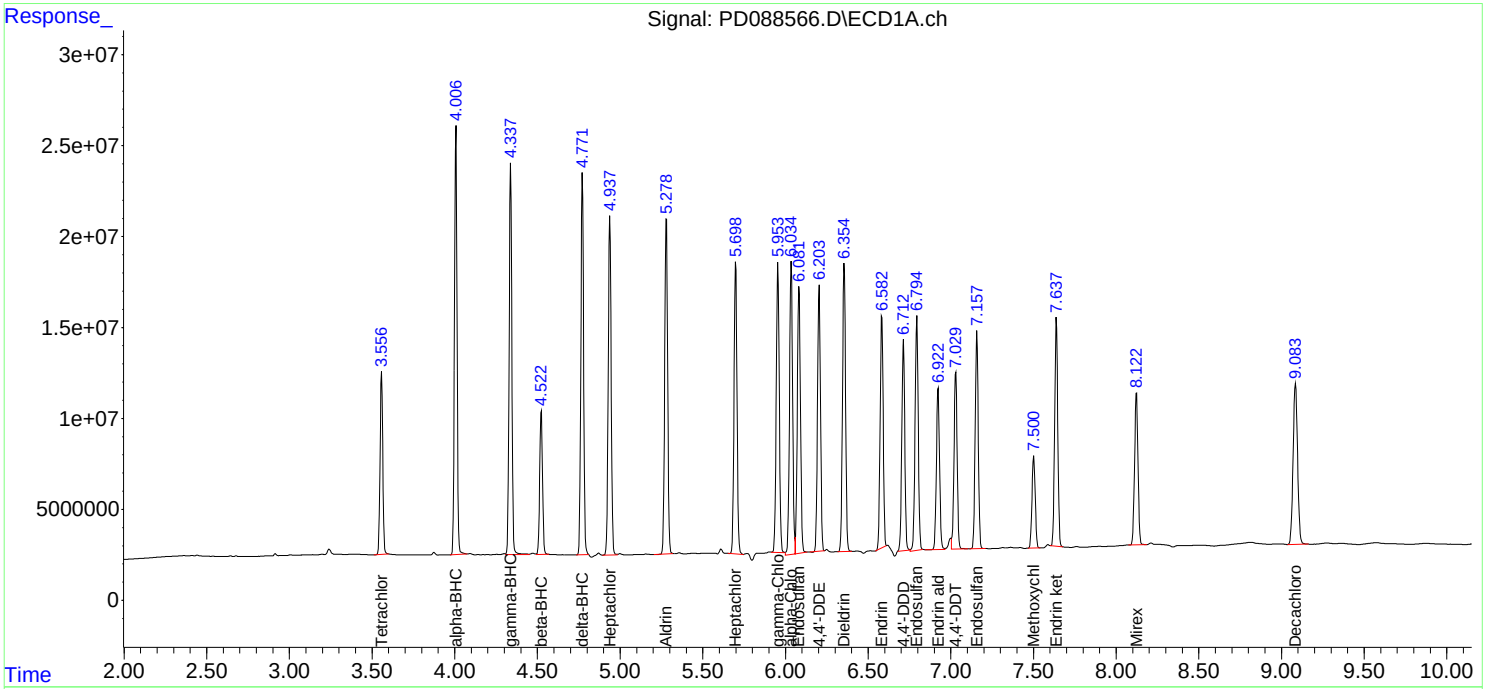
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

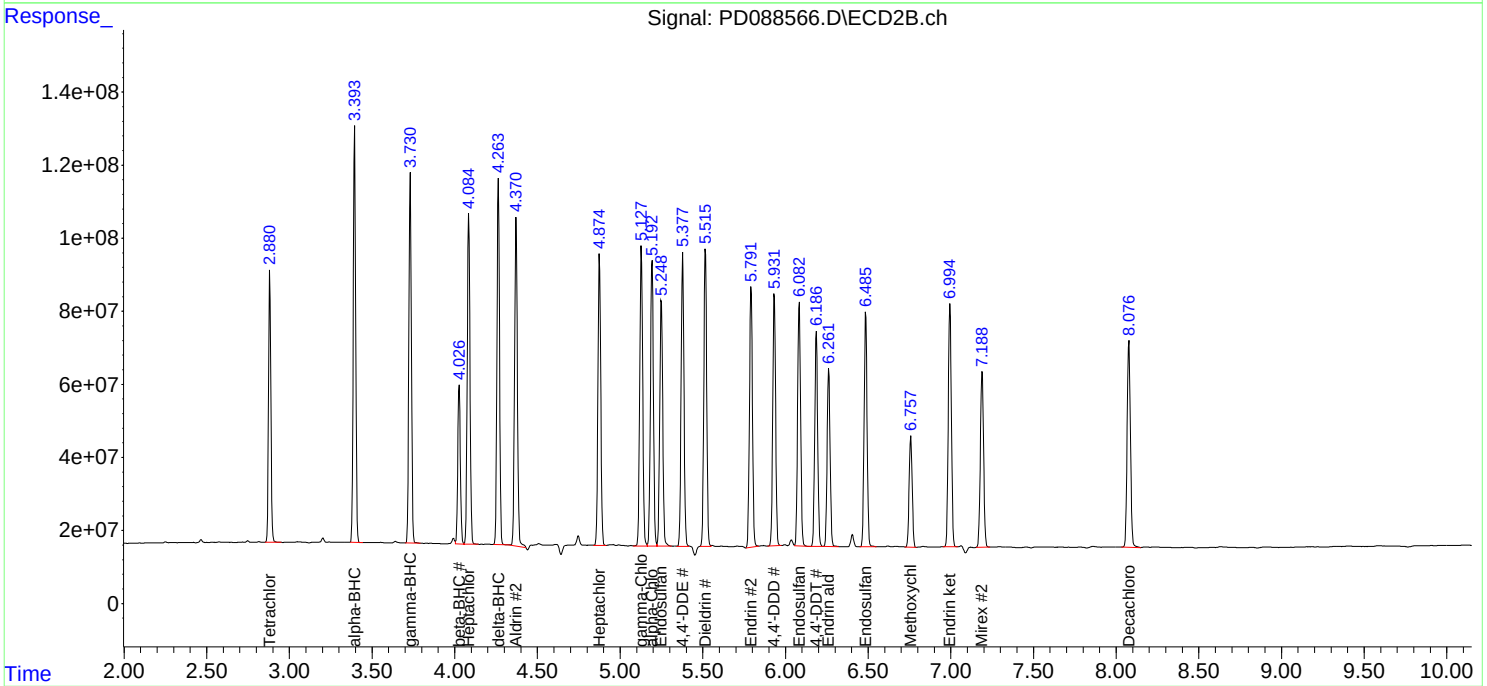
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:19:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D **Date Analyzed:** 04/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.075	8.970	9.180	23.220	20.000	16.1
Tetrachloro-m-xylene	3.551	3.500	3.600	21.610	20.000	8.1
alpha-BHC	4.000	3.950	4.050	9.950	10.000	-0.5
beta-BHC	4.516	4.470	4.570	11.360	10.000	13.6
gamma-BHC (Lindane)	4.331	4.280	4.380	10.480	10.000	4.8
Endrin	6.576	6.510	6.650	51.530	50.000	3.1
4,4'-DDT	7.023	6.950	7.090	110.510	100.000	10.5
Methoxychlor	7.494	7.420	7.560	265.100	250.000	6.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D **Date Analyzed:** 04/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.076	7.980	8.180	22.950	20.000	14.8
Tetrachloro-m-xylene	2.883	2.830	2.930	22.200	20.000	11.0
alpha-BHC	3.396	3.350	3.450	11.720	10.000	17.2
beta-BHC	4.028	3.980	4.080	12.460	10.000	24.6
gamma-BHC (Lindane)	3.732	3.680	3.780	11.580	10.000	15.8
Endrin	5.793	5.720	5.860	49.780	50.000	-0.4
4,4'-DDT	6.187	6.120	6.260	102.610	100.000	2.6
Methoxychlor	6.758	6.690	6.830	215.580	250.000	-13.8

PEM

Data File: PD088122.D **Date Acquired** 4/18/2025 13:29

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.58	153680370.7	162192230.2	8511859.47	**5.25**
Endrin aldehyde	6.92	3420195.012			
Endrin ketone	7.63	5091664.461			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.79	906106216.2	976124672.3	70018456.1	**7.17**
Endrin aldehyde #2	6.26	27341767.91			
Endrin ketone #2	6.99	42676688.15			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.02	306944307.8	307584368.9	640061.113	**0.21**
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	640061.113			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.19	1746026847	1755776541	9749694.14	**0.56**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.94	9749694.138			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:29
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.551	2.883	43154195	324.6E6	21.605	22.198
28) SA	Decachlor...	9.075	8.076	76807188	424.1E6	23.218	22.951
	Target Compounds						
2) A	alpha-BHC	4.000	3.396	42909357	267.8E6	9.951	11.716
3) MA	gamma-BHC...	4.331	3.732	43874391	249.5E6	10.477	11.583
6) B	beta-BHC	4.516	4.028	18444986	115.3E6	11.362	12.462
14) MA	Endrin	6.576	5.793	153.7E6	906.1E6	51.526	49.780
16) A	4,4'-DDD	6.708	5.936	640061	9749694	0.255	0.595m#
17) MA	4,4'-DDT	7.023	6.187	306.9E6	1746.0E6	110.509	102.608
18) B	Endrin al...	6.915	6.262	3420195	27341768	1.482	2.056 #
20) A	Methoxychlor	7.494	6.758	397.5E6	1966.3E6	265.100	215.579
21) B	Endrin ke...	7.630	6.994	5091664	42676688	1.650	2.282 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:29
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

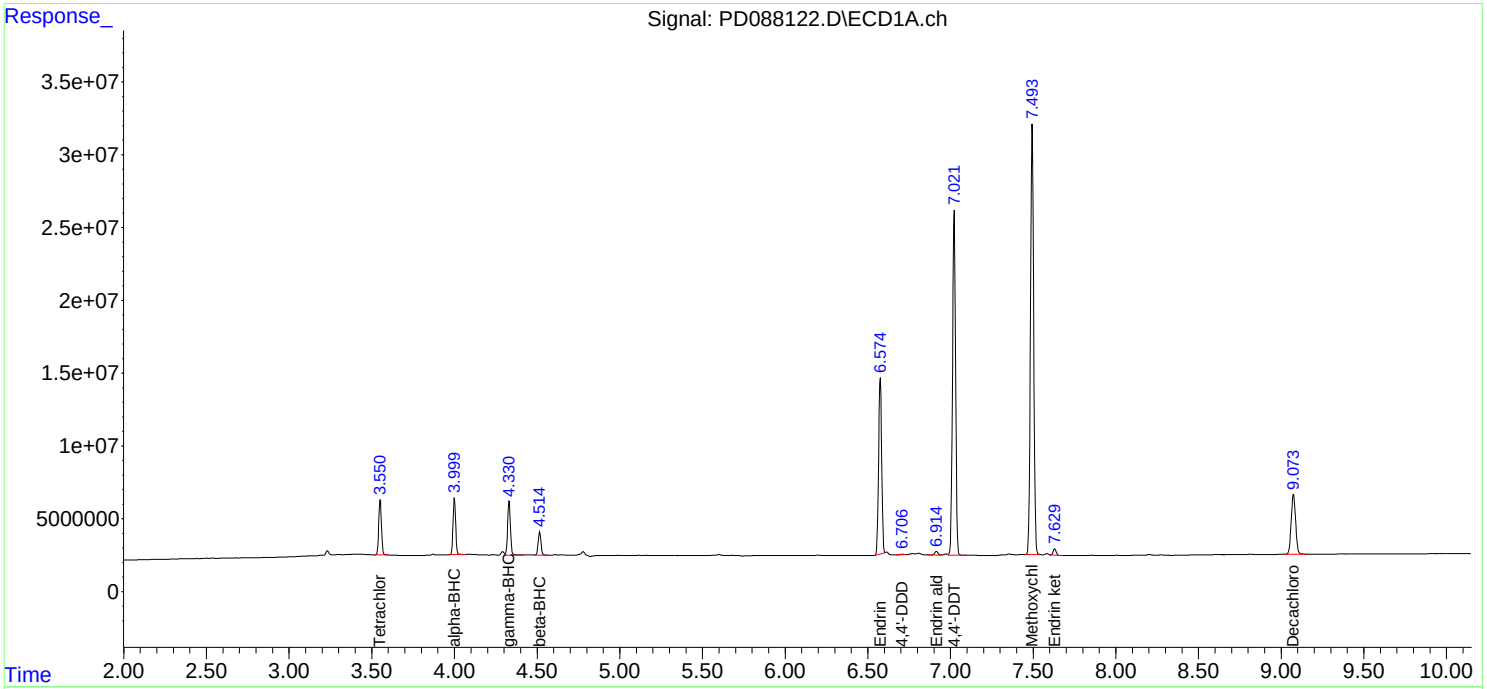
Instrument :
ECD_D
ClientSampleId :
PEM

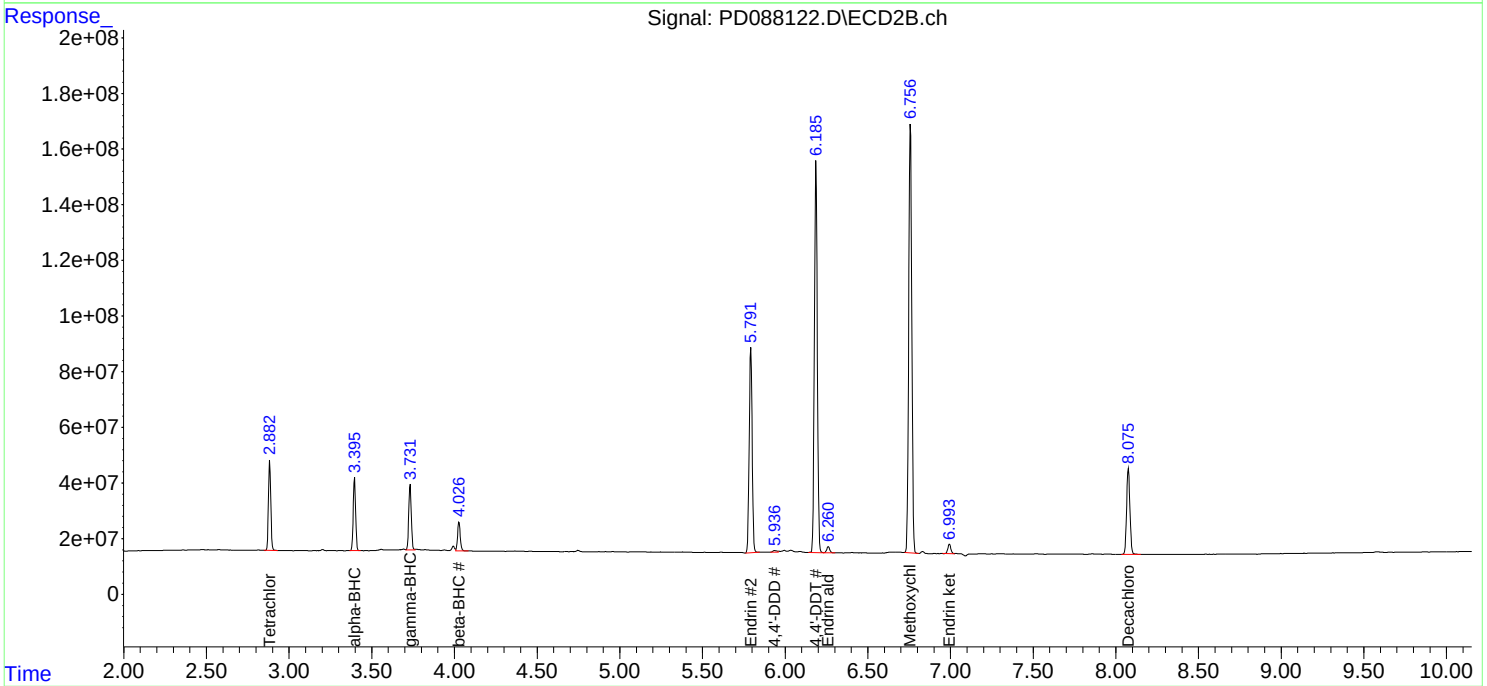
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/19/2025
Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088463.D **Date Analyzed:** 05/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:58

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	24.020	20.000	20.1
Tetrachloro-m-xylene	3.550	3.500	3.600	22.950	20.000	14.8
alpha-BHC	4.000	3.950	4.050	10.330	10.000	3.3
beta-BHC	4.515	4.460	4.570	11.660	10.000	16.6
gamma-BHC (Lindane)	4.330	4.280	4.380	10.730	10.000	7.3
Endrin	6.574	6.500	6.640	58.670	50.000	17.3
4,4'-DDT	7.021	6.950	7.090	119.010	100.000	19.0
Methoxychlor	7.492	7.420	7.560	269.490	250.000	7.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088463.D **Date Analyzed:** 05/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:58

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.073	7.970	8.170	21.250	20.000	6.3
Tetrachloro-m-xylene	2.881	2.830	2.930	21.410	20.000	7.1
alpha-BHC	3.394	3.340	3.440	11.120	10.000	11.2
beta-BHC	4.026	3.980	4.080	11.470	10.000	14.7
gamma-BHC (Lindane)	3.730	3.680	3.780	11.190	10.000	11.9
Endrin	5.790	5.720	5.860	49.200	50.000	-1.6
4,4'-DDT	6.184	6.110	6.250	98.020	100.000	-2.0
Methoxychlor	6.755	6.680	6.830	182.340	250.000	-27.1

PEM

Data File: PD088463.D **Date Acquired** 5/12/2025 12:58

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	174978413.7	177310660.8	2332247.12	**1.32**
Endrin aldehyde	6.92	472235.158			
Endrin ketone	7.63	1860011.963			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	895635222.1	918628333.9	22993111.8	**2.50**
Endrin aldehyde #2	6.26	9209222.692			
Endrin ketone #2	6.99	13783889.1			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	330560625.2	331942887.8	1382262.55	**0.42**
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	1382262.548			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1667974200	1677806158	9831958.06	**0.59**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	9831958.062			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:58
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:28:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.550	2.881	45838362	313.1E6	22.949	21.412
28) SA	Decachlor...	9.071	8.073	79455818	392.7E6	24.019	21.248
	Target Compounds						
2) A	alpha-BHC	4.000	3.394	44549865	254.2E6	10.332	11.117
3) MA	gamma-BHC...	4.330	3.730	44951530	241.1E6	10.735	11.193
6) B	beta-BHC	4.515	4.026	18926991	106.1E6	11.659	11.469
14) MA	Endrin	6.574	5.790	175.0E6	895.6E6	58.667	49.204
16) A	4,4'-DDD	6.704	5.931	1382263	9831958	0.550	0.600m
17) MA	4,4'-DDT	7.021	6.184	330.6E6	1668.0E6	119.012	98.021
18) B	Endrin al...	6.916	6.257	472235	9209223	0.205m	0.692m#
20) A	Methoxychlor	7.492	6.755	404.1E6	1663.1E6	269.489	182.339 #
21) B	Endrin ke...	7.628	6.991	1860012	13783889	0.603m	0.737

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

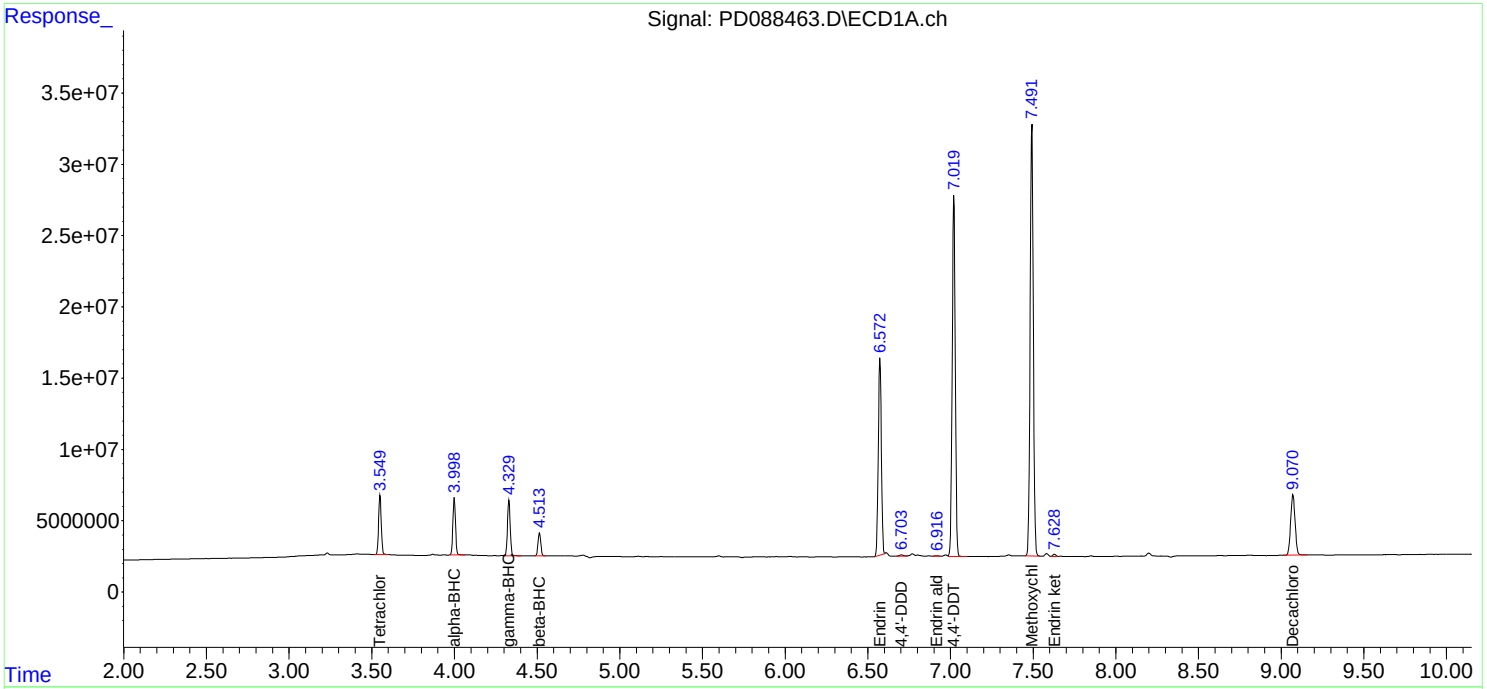
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:58
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

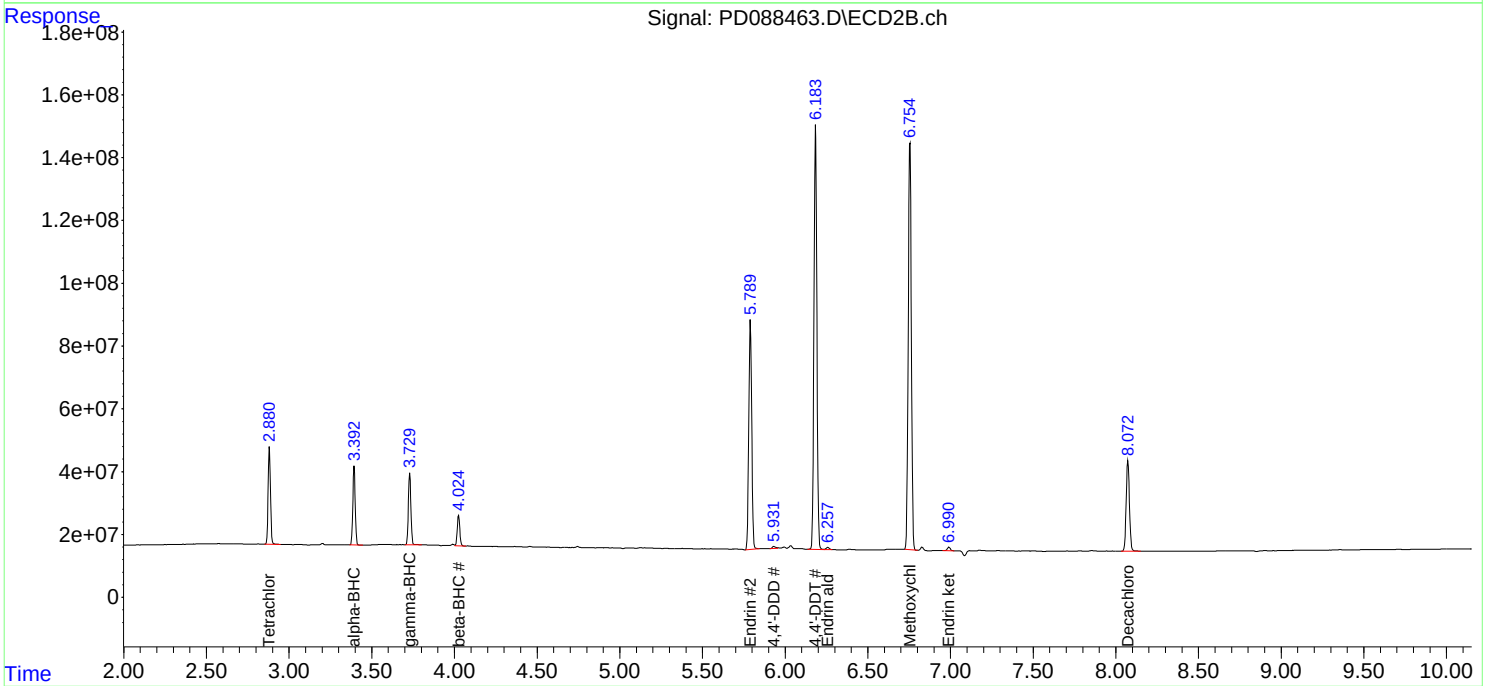
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:28:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088483.D **Date Analyzed:** 05/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.074	8.970	9.170	23.690	20.000	18.5
Tetrachloro-m-xylene	3.552	3.500	3.600	22.650	20.000	13.3
alpha-BHC	4.001	3.950	4.050	10.470	10.000	4.7
beta-BHC	4.516	4.470	4.570	11.860	10.000	18.6
gamma-BHC (Lindane)	4.331	4.280	4.380	10.860	10.000	8.6
Endrin	6.576	6.510	6.650	58.130	50.000	16.3
4,4'-DDT	7.022	6.950	7.090	118.210	100.000	18.2
Methoxychlor	7.494	7.420	7.560	267.140	250.000	6.9

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088483.D **Date Analyzed:** 05/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.075	7.970	8.180	20.580	20.000	2.9
Tetrachloro-m-xylene	2.883	2.830	2.930	21.480	20.000	7.4
alpha-BHC	3.395	3.340	3.450	11.200	10.000	12.0
beta-BHC	4.027	3.980	4.080	11.620	10.000	16.2
gamma-BHC (Lindane)	3.732	3.680	3.780	11.160	10.000	11.6
Endrin	5.792	5.720	5.860	50.090	50.000	0.2
4,4'-DDT	6.186	6.120	6.260	98.250	100.000	-1.8
Methoxychlor	6.757	6.690	6.830	198.050	250.000	-20.8

PEM

Data File: PD088483.D **Date Acquired** 5/12/2025 19:22

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.58	173390674.3	176720243.7	3329569.43	**1.88**
Endrin aldehyde	6.92	915600.986			
Endrin ketone	7.63	2413968.447			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	911767643	947239055.7	35471412.7	**3.74**
Endrin aldehyde #2	6.26	12207465.52			
Endrin ketone #2	6.99	23263947.22			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	328322319.9	332303988.2	3981668.36	**1.20**
4,4'-DDE	6.20	434662.659			
4,4'-DDD	6.71	3547005.703			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1671786481	1692339873	20553391.9	**1.21**
4,4'-DDE #2	5.38	1588001.377			
4,4'-DDD #2	5.93	18965390.53			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 19:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.552	2.883	45238524	314.1E6	22.649	21.484
28) SA	Decachlor...	9.074	8.075	78375343	380.3E6	23.692	20.582
	Target Compounds						
2) A	alpha-BHC	4.001	3.395	45153750	256.0E6	10.472	11.196
3) MA	gamma-BHC...	4.331	3.732	45496097	240.3E6	10.865	11.157
6) B	beta-BHC	4.516	4.027	19261406	107.5E6	11.865	11.619
12) B	4,4'-DDE	6.199	5.380	434663	1588001	0.132m	0.081m#
14) MA	Endrin	6.576	5.792	173.4E6	911.8E6	58.135	50.091
16) A	4,4'-DDD	6.706	5.932	3547006	19963972	1.410	1.218m
17) MA	4,4'-DDT	7.022	6.186	328.3E6	1671.8E6	118.206	98.245
18) B	Endrin al...	6.917	6.259	915601	11388029	0.397m	0.856m#
20) A	Methoxychlor	7.494	6.757	400.6E6	1806.4E6	267.138	198.048 #
21) B	Endrin ke...	7.630	6.993	3119689	23263947	1.011m	1.244

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 19:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

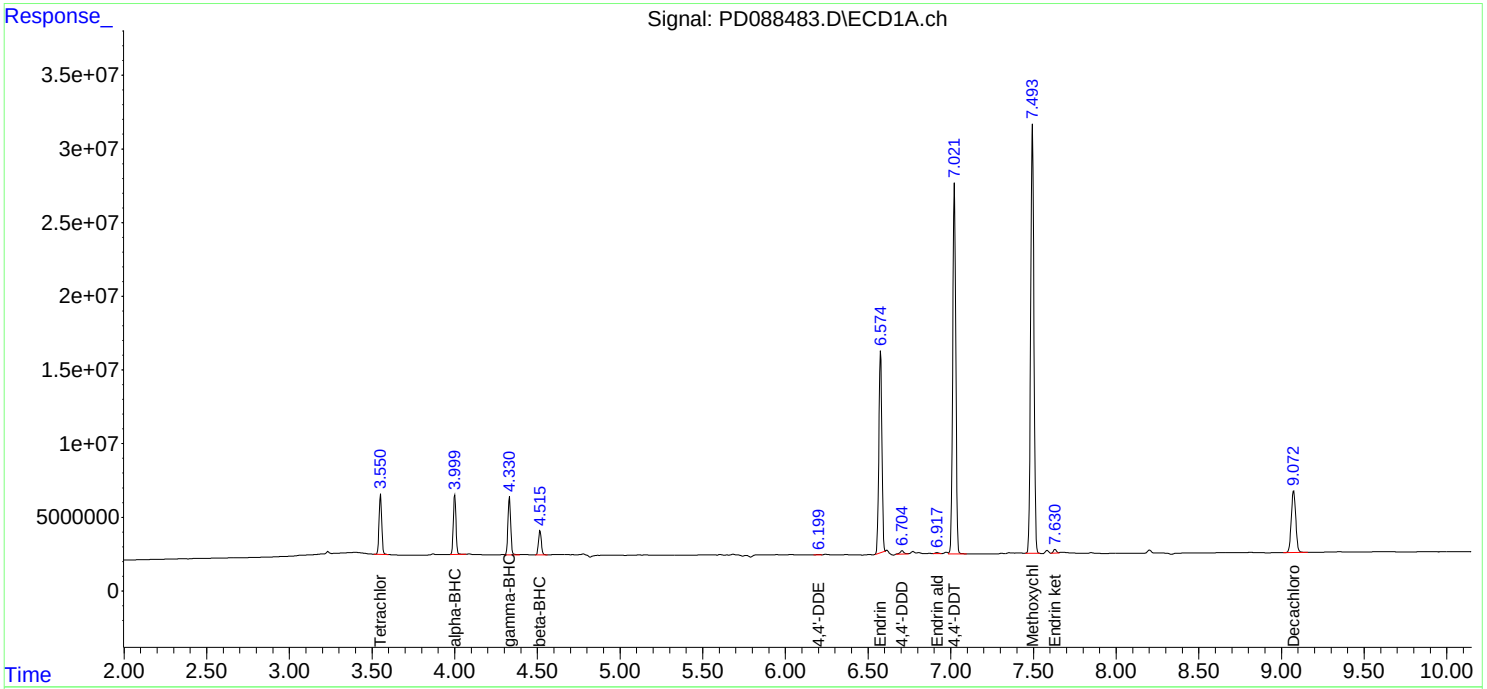
Instrument :
ECD_D
ClientSampleId :
PEM

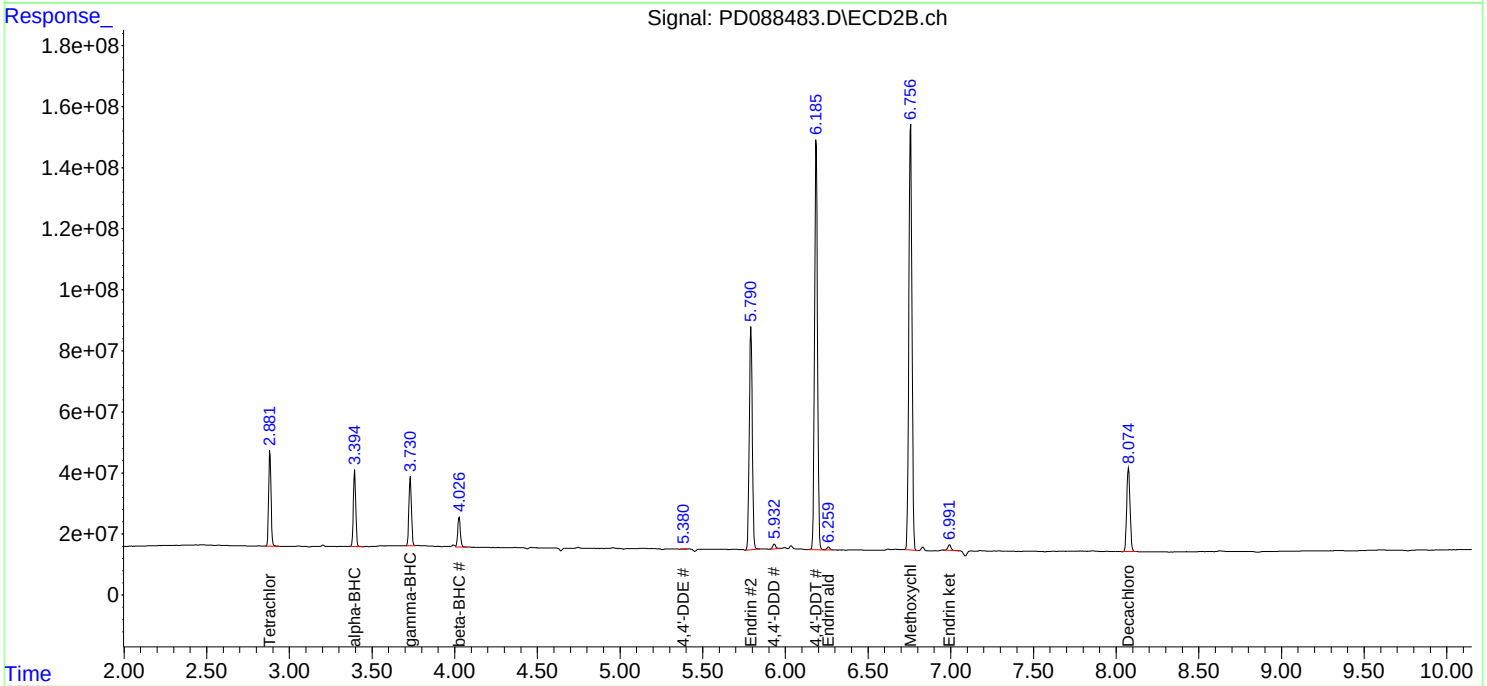
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088498.D **Date Analyzed:** 05/13/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.074	8.970	9.170	23.730	20.000	18.7
Tetrachloro-m-xylene	3.551	3.500	3.600	23.660	20.000	18.3
alpha-BHC	4.000	3.950	4.050	10.800	10.000	8.0
beta-BHC	4.516	4.470	4.570	12.260	10.000	22.6
gamma-BHC (Lindane)	4.331	4.280	4.380	11.190	10.000	11.9
Endrin	6.575	6.500	6.650	59.430	50.000	18.9
4,4'-DDT	7.021	6.950	7.090	119.580	100.000	19.6
Methoxychlor	7.494	7.420	7.560	270.970	250.000	8.4

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088498.D **Date Analyzed:** 05/13/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.073	7.970	8.170	20.850	20.000	4.3
Tetrachloro-m-xylene	2.881	2.830	2.930	22.400	20.000	12.0
alpha-BHC	3.394	3.340	3.440	11.630	10.000	16.3
beta-BHC	4.026	3.980	4.080	12.030	10.000	20.3
gamma-BHC (Lindane)	3.730	3.680	3.780	11.540	10.000	15.4
Endrin	5.790	5.720	5.860	51.700	50.000	3.4
4,4'-DDT	6.185	6.110	6.260	99.870	100.000	-0.1
Methoxychlor	6.755	6.680	6.830	200.220	250.000	-19.9

PEM

Data File: PD088498.D **Date Acquired** 5/13/2025 9:41

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.57	177244119.1	181454592.7	4210473.63	**2.32**
Endrin aldehyde	6.92	1009509.166			
Endrin ketone	7.63	3200964.467			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.79	941050922.5	977842641.7	36791719.2	**3.76**
Endrin aldehyde #2	6.26	12256261.66			
Endrin ketone #2	6.99	24535457.53			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.02	332149556.5	336484886.9	4335330.38	**1.29**
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	4335330.375			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.18	1699406352	1725577036	26170683.3	**1.52**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	26170683.25			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:06:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1) SA	Tetrachlo...	3.551	2.881	47263112	327.5E6	23.662	22.398	
28) SA	Decachlor...	9.074	8.073	78502399	385.3E6	23.730	20.847	
	Target Compounds							
2) A	alpha-BHC	4.000	3.394	46551953	265.9E6	10.796	11.632	
3) MA	gamma-BHC...	4.331	3.730	46855378	248.5E6	11.189	11.539	
6) B	beta-BHC	4.516	4.026	19897245	111.3E6	12.257	12.027	
14) MA	Endrin	6.575	5.790	177.2E6	941.1E6	59.427	51.699	
16) A	4,4'-DDD	6.705	5.931	4335330	26170683	1.724	1.597	
17) MA	4,4'-DDT	7.021	6.185	332.1E6	1699.4E6	119.584	99.868	
18) B	Endrin al...	6.917	6.259	1009509	12256262	0.437	0.921	#
20) A	Methoxychlor	7.494	6.755	406.3E6	1826.2E6	270.965	200.217	#
21) B	Endrin ke...	7.629	6.992	3200964	24535458	1.037m	1.312	#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

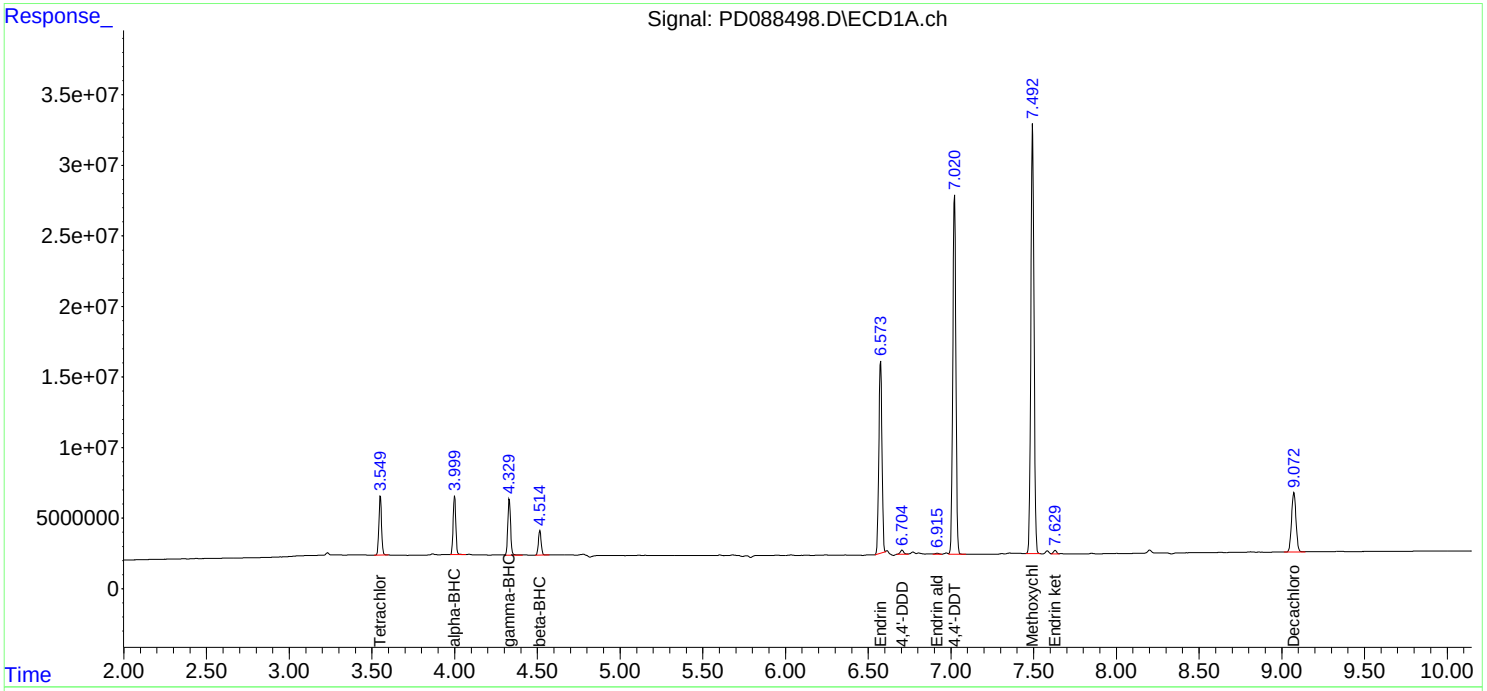
Instrument :
ECD_D
ClientSampleId :
PEM

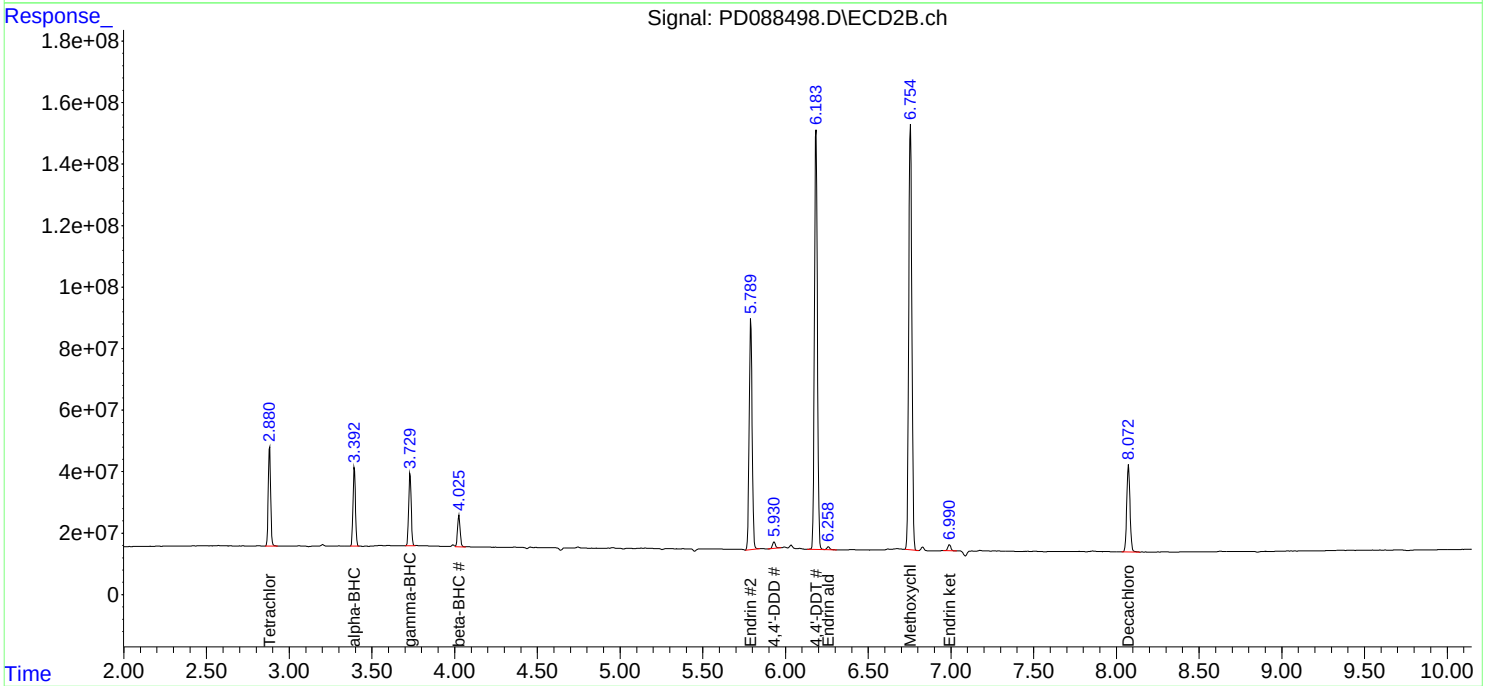
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:06:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088552.D **Date Analyzed:** 05/15/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:18

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.081	8.980	9.180	22.250	20.000	11.3
Tetrachloro-m-xylene	3.556	3.510	3.610	22.310	20.000	11.6
alpha-BHC	4.005	3.950	4.060	10.210	10.000	2.1
beta-BHC	4.522	4.470	4.570	11.920	10.000	19.2
gamma-BHC (Lindane)	4.336	4.290	4.390	10.490	10.000	4.9
Endrin	6.581	6.510	6.650	55.090	50.000	10.2
4,4'-DDT	7.028	6.960	7.100	107.450	100.000	7.5
Methoxychlor	7.500	7.430	7.570	247.110	250.000	-1.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088552.D **Date Analyzed:** 05/15/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:18

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.077	7.980	8.180	19.860	20.000	-0.7
Tetrachloro-m-xylene	2.882	2.830	2.930	20.810	20.000	4.1
alpha-BHC	3.395	3.340	3.450	10.740	10.000	7.4
beta-BHC	4.027	3.980	4.080	9.980	10.000	-0.2
gamma-BHC (Lindane)	3.731	3.680	3.780	10.690	10.000	6.9
Endrin	5.792	5.720	5.860	48.980	50.000	-2.0
4,4'-DDT	6.186	6.120	6.260	93.360	100.000	-6.6
Methoxychlor	6.758	6.690	6.830	186.490	250.000	-25.4

PEM

Data File: PD088552.D **Date Acquired** 5/15/2025 9:18

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.58	164297390.4	168864366.1	4566975.76	**2.70**
Endrin aldehyde	6.92	723416.36			
Endrin ketone	7.63	3843559.4			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.79	891463757.3	971631305.9	80167548.6	**8.25**
Endrin aldehyde #2	6.26	12915764.25			
Endrin ketone #2	6.99	67251784.33			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.03	298437565.5	305079753.3	6642187.8	**2.18**
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	6642187.798			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.19	1588602250	1623298150	34695900.1	**2.14**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	34695900.1			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 09:18
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza
05/16/2025
Supervised By :mohammad ahmed
05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.556	2.882	44559178	304.3E6	22.309	20.812
28) SA	Decachlor...	9.081	8.077	73616746	367.0E6	22.253	19.861
	Target Compounds						
2) A	alpha-BHC	4.005	3.395	44045223	245.5E6	10.215	10.739
3) MA	gamma-BHC...	4.336	3.731	43946740	230.3E6	10.495	10.690
6) B	beta-BHC	4.522	4.027	19344346	92316778	11.916	9.976
14) MA	Endrin	6.581	5.792	164.3E6	891.5E6	55.086	48.975
16) A	4,4'-DDD	6.711	5.932	6642188	34695900	2.641m	2.117
17) MA	4,4'-DDT	7.028	6.186	298.4E6	1588.6E6	107.447	93.357
18) B	Endrin al...	6.922	6.259	723416	12915764	0.313m	0.971m#
20) A	Methoxychlor	7.500	6.758	370.6E6	1701.0E6	247.109	186.494
21) B	Endrin ke...	7.634	6.993	3843559	18380302	1.245m	0.983m

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

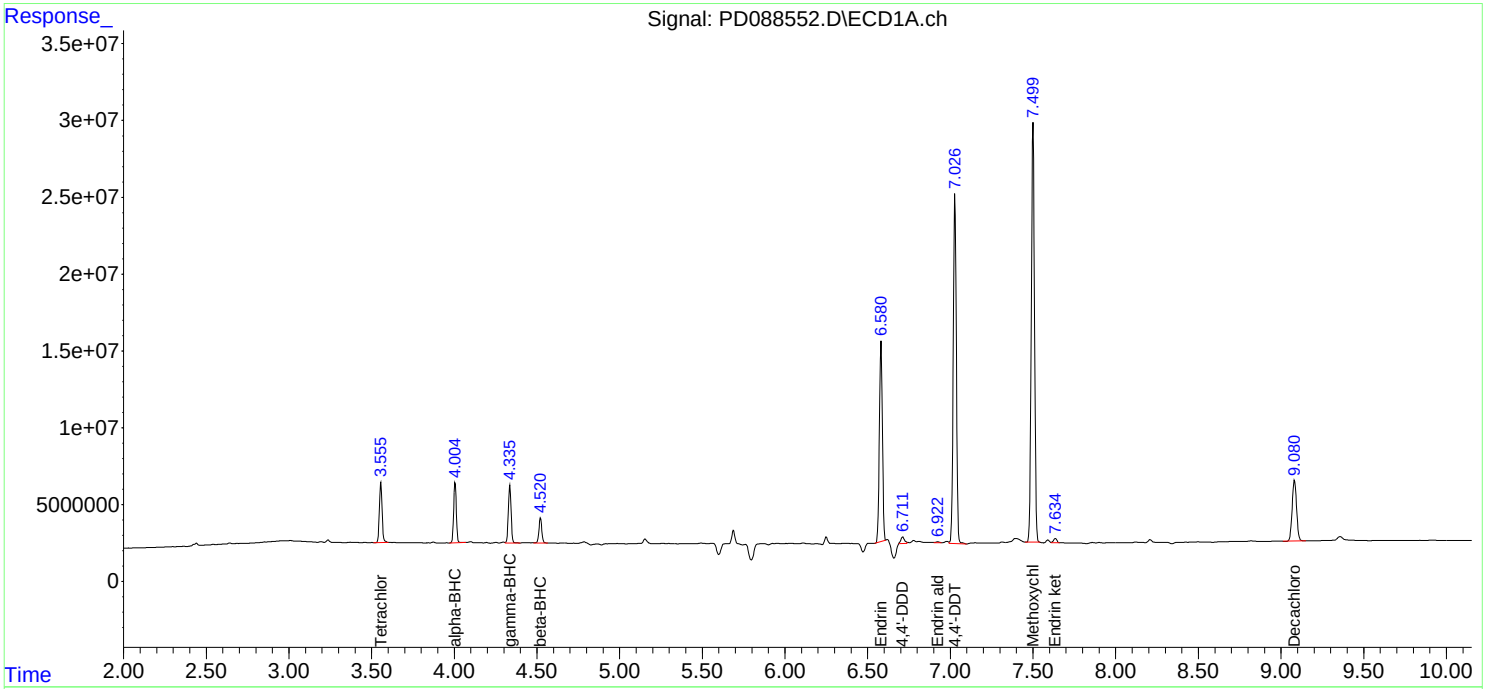
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 09:18
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

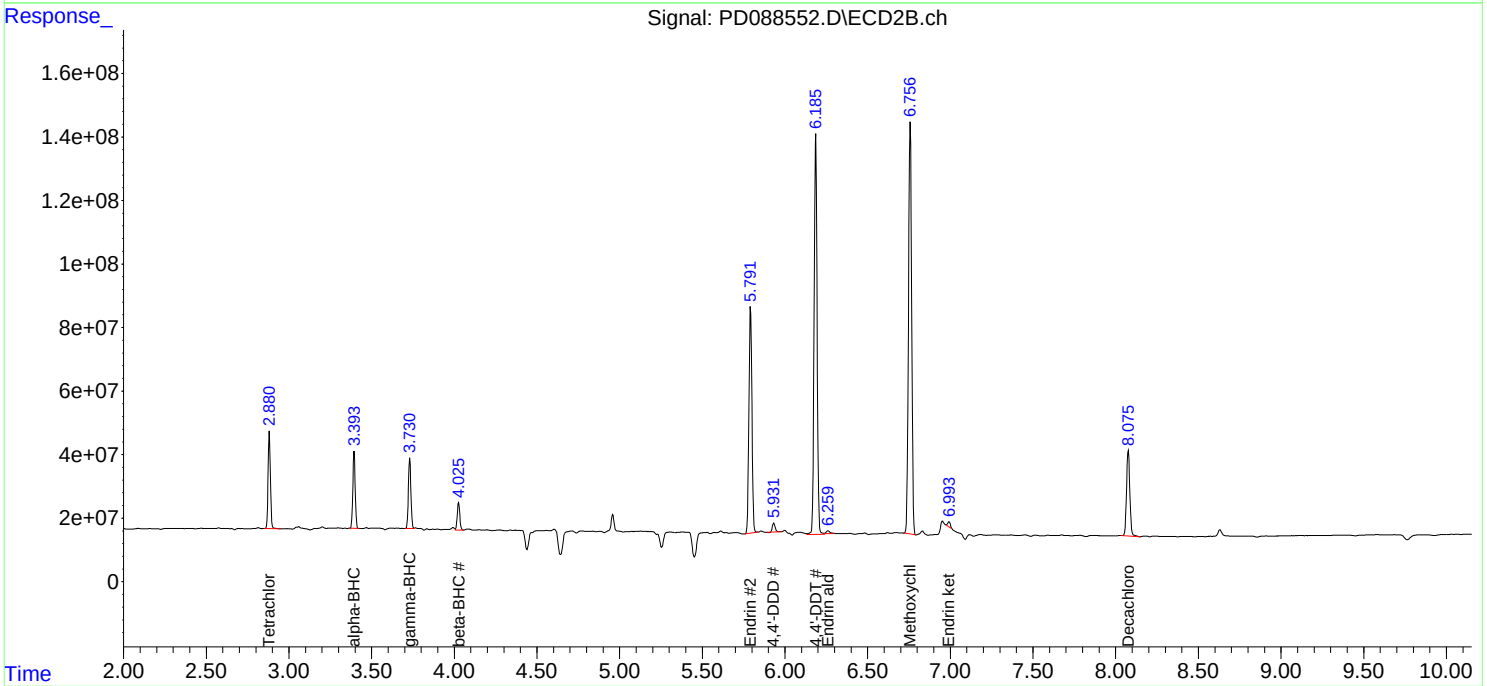
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza
05/16/2025
Supervised By :mohammad ahmed
05/19/2025





Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088123.D
Acq On : 18 Apr 2025 13:43
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_D\Method\PD041825.M
Title : GC Extractables
Last Update : Sat Apr 19 06:32:27 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.552	5.948	100.00%
5.948	6.077	100.00%
6.077	6.198	100.00%
6.198	6.349	100.00%
6.349	7.151	100.00%
7.151	7.495	100.00%
7.495	7.631	100.00%
7.631	9.075	100.00%

Signal #2

2.883	5.130	100.00%
5.130	5.251	100.00%
5.251	5.379	100.00%
5.379	5.517	100.00%
5.517	6.486	100.00%
6.486	6.759	100.00%
6.759	6.995	100.00%
6.995	8.076	100.00%

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 21 06:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.552	2.883	37870717	290.8E6	18.960	19.885
28) SA	Decachlor...	9.075	8.076	66771462	372.0E6	20.184	20.130
	Target Compounds						
9) A	Endosulfan I	6.077	5.251	29410187	177.2E6	8.709	9.836
10) B	gamma-Chl...	5.948	5.130	32853106	209.1E6	9.070	10.304
12) B	4,4'-DDE	6.198	5.379	60393989	395.9E6	18.311	20.100
13) MA	Dieldrin	6.349	5.517	64800077	392.3E6	18.159	19.682
19) B	Endosulfa...	7.151	6.486	54061534	339.7E6	18.799	19.830
20) A	Methoxychlor	7.495	6.758	137.4E6	780.0E6	91.608	85.519
21) B	Endrin ke...	7.631	6.995	57978754	371.5E6	18.784	19.864

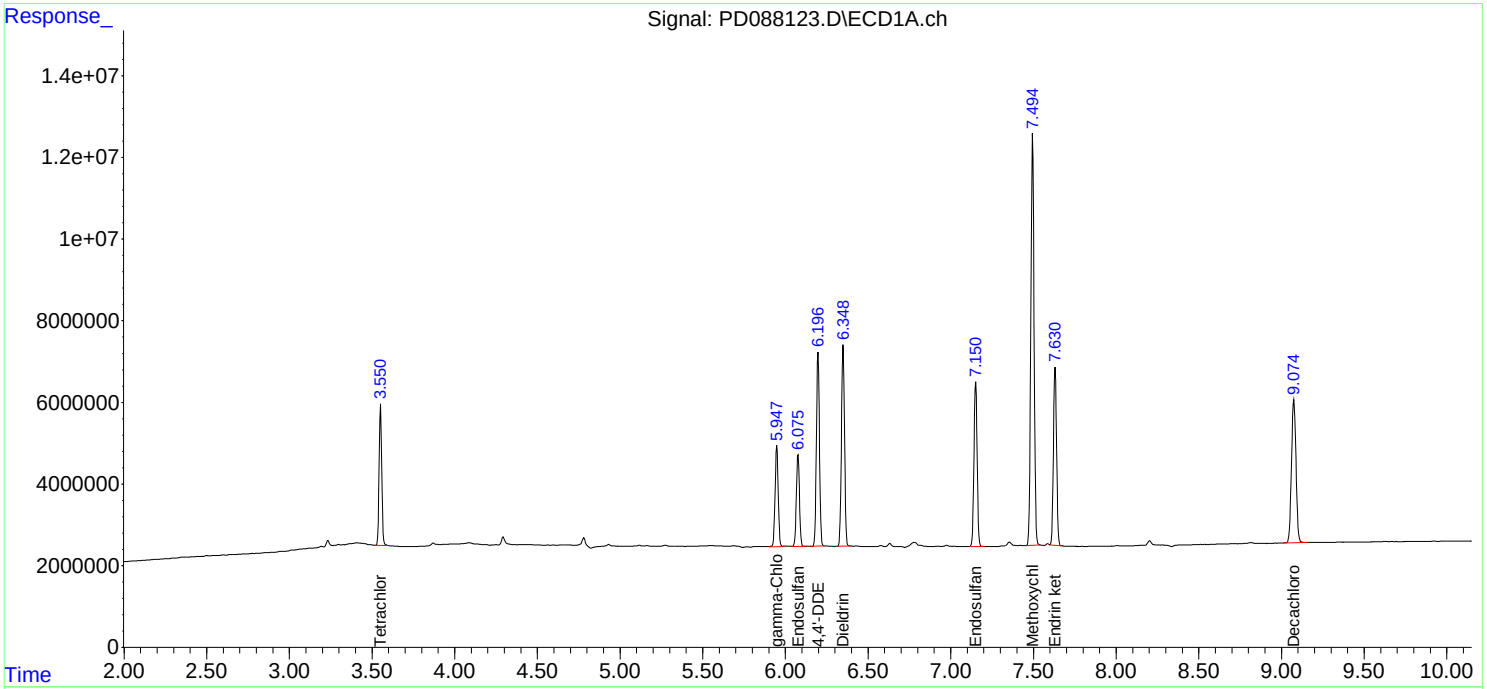
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

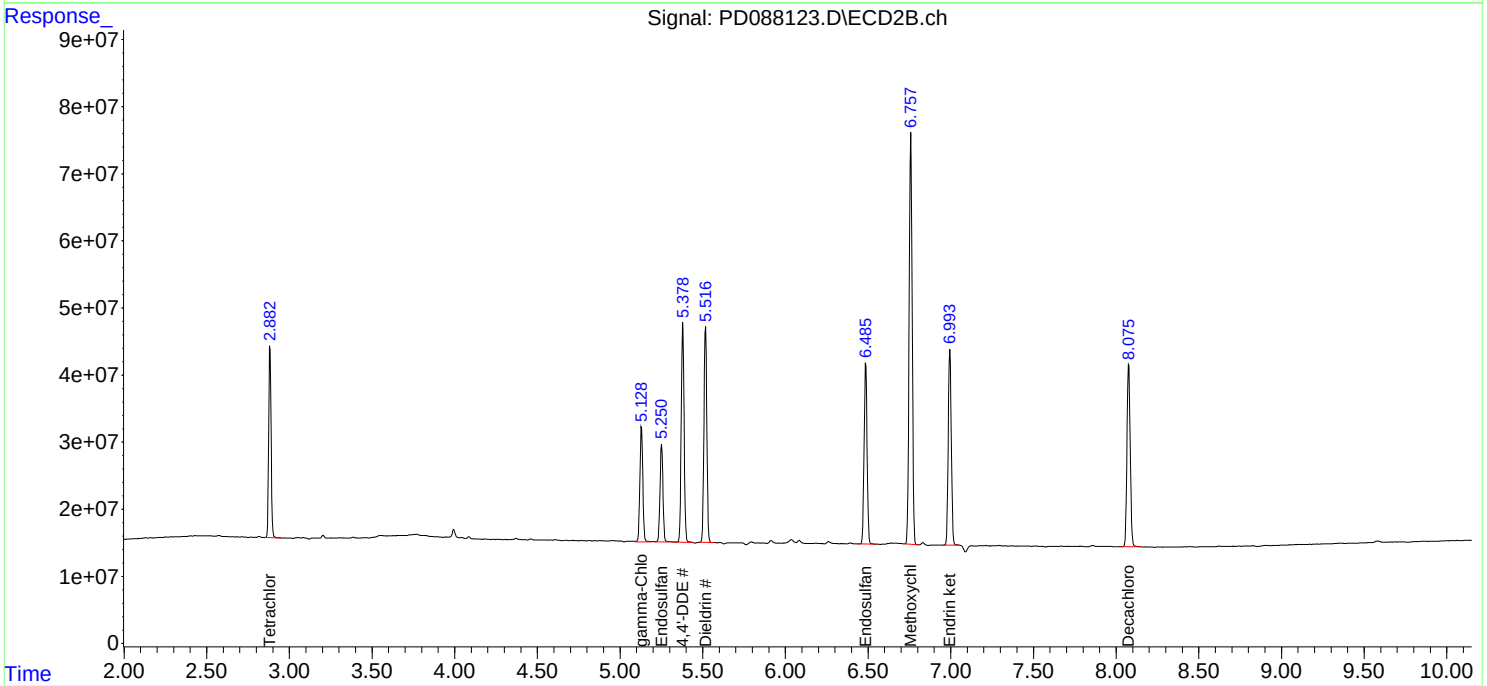
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 21 06:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

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

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/18/2025 04/18/2025

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	04/18/2025	13:15	PD088121.D	9.07	3.55
PEM	PEM	04/18/2025	13:29	PD088122.D	9.08	3.55
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	9.08	3.55
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	9.08	3.55
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	9.07	3.55
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	9.08	3.55
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	9.08	3.55
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	9.08	3.55
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	9.07	3.55
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	9.07	3.55
I.BLK	I.BLK	05/12/2025	12:44	PD088462.D	9.07	3.55
PEM	PEM	05/12/2025	12:58	PD088463.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/12/2025	13:42	PD088464.D	9.08	3.56
PB167950BL	PB167950BL	05/12/2025	15:16	PD088465.D	9.08	3.56
PB167950BS	PB167950BS	05/12/2025	15:30	PD088466.D	9.08	3.55
I.BLK	I.BLK	05/12/2025	17:19	PD088474.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/12/2025	17:32	PD088475.D	9.07	3.55
I.BLK	I.BLK	05/12/2025	19:08	PD088482.D	9.07	3.55
PEM	PEM	05/12/2025	19:22	PD088483.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/12/2025	19:35	PD088484.D	9.07	3.55
TP-1MS	Q1982-01MS	05/12/2025	20:03	PD088486.D	9.07	3.55
TP-1MSD	Q1982-01MSD	05/12/2025	20:16	PD088487.D	9.07	3.55
TP-3	Q1982-03	05/12/2025	20:44	PD088489.D	9.07	3.55
TP-6	Q1982-06	05/12/2025	21:25	PD088492.D	9.07	3.55
I.BLK	I.BLK	05/12/2025	21:52	PD088494.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/13/2025	02:17	PD088495.D	9.07	3.55
I.BLK	I.BLK	05/13/2025	09:28	PD088497.D	9.07	3.55
PEM	PEM	05/13/2025	09:41	PD088498.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/13/2025	09:55	PD088499.D	9.07	3.55
TP-1	Q1982-01	05/13/2025	10:22	PD088501.D	9.07	3.55
TP-2B	Q1982-02	05/13/2025	10:35	PD088502.D	9.07	3.55
TP-4	Q1982-04	05/13/2025	10:49	PD088503.D	9.07	3.55
TP-5	Q1982-05	05/13/2025	11:02	PD088504.D	9.07	3.55
TP-8	Q1982-07	05/13/2025	11:16	PD088505.D	9.07	3.55
I.BLK	I.BLK	05/13/2025	13:18	PD088514.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/13/2025	14:22	PD088515.D	9.08	3.56
I.BLK	I.BLK	05/13/2025	16:35	PD088523.D	9.08	3.56
PSTDCCC050	PSTDCCC050	05/13/2025	16:48	PD088524.D	9.07	3.55
PB167959BL	PB167959BL	05/13/2025	17:02	PD088525.D	9.07	3.55
PB167959BS	PB167959BS	05/13/2025	17:15	PD088526.D	9.07	3.55
TP-9	Q1982-08	05/13/2025	17:29	PD088527.D	9.07	3.55
I.BLK	I.BLK	05/13/2025	19:18	PD088535.D	9.07	3.55

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Analytical Sequence

PSTDCCC050	PSTDCCC050	05/13/2025	19:46	PD088537.D	9.07	3.55
I.BLK	I.BLK	05/15/2025	08:47	PD088551.D	9.08	3.55
PEM	PEM	05/15/2025	09:18	PD088552.D	9.08	3.56
PSTDCCC050	PSTDCCC050	05/15/2025	09:32	PD088553.D	9.08	3.55
OU4-PCS-TC-33-050725MS	Q1984-01MS	05/15/2025	12:52	PD088559.D	9.08	3.55
OU4-PCS-TC-33-050725MSD	Q1984-01MSD	05/15/2025	13:05	PD088560.D	9.08	3.55
I.BLK	I.BLK	05/15/2025	14:14	PD088565.D	9.08	3.55
PSTDCCC050	PSTDCCC050	05/15/2025	15:11	PD088566.D	9.08	3.56

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1982

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

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/18/2025 04/18/2025

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	04/18/2025	13:15	PD088121.D	8.08	2.88
PEM	PEM	04/18/2025	13:29	PD088122.D	8.08	2.88
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	8.08	2.88
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	8.09	2.90
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	8.08	2.88
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	8.08	2.88
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	8.08	2.88
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	8.08	2.88
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	8.08	2.88
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	8.08	2.88
I.BLK	I.BLK	05/12/2025	12:44	PD088462.D	8.07	2.88
PEM	PEM	05/12/2025	12:58	PD088463.D	8.07	2.88
PSTDCCC050	PSTDCCC050	05/12/2025	13:42	PD088464.D	8.08	2.88
PB167950BL	PB167950BL	05/12/2025	15:16	PD088465.D	8.08	2.88
PB167950BS	PB167950BS	05/12/2025	15:30	PD088466.D	8.07	2.88
I.BLK	I.BLK	05/12/2025	17:19	PD088474.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/12/2025	17:32	PD088475.D	8.08	2.88
I.BLK	I.BLK	05/12/2025	19:08	PD088482.D	8.08	2.88
PEM	PEM	05/12/2025	19:22	PD088483.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/12/2025	19:35	PD088484.D	8.07	2.88
TP-1MS	Q1982-01MS	05/12/2025	20:03	PD088486.D	8.07	2.88
TP-1MSD	Q1982-01MSD	05/12/2025	20:16	PD088487.D	8.08	2.88
TP-3	Q1982-03	05/12/2025	20:44	PD088489.D	8.08	2.88
TP-6	Q1982-06	05/12/2025	21:25	PD088492.D	8.07	2.88
I.BLK	I.BLK	05/12/2025	21:52	PD088494.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	02:17	PD088495.D	8.08	2.88
I.BLK	I.BLK	05/13/2025	09:28	PD088497.D	8.07	2.88
PEM	PEM	05/13/2025	09:41	PD088498.D	8.07	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	09:55	PD088499.D	8.08	2.88
TP-1	Q1982-01	05/13/2025	10:22	PD088501.D	8.08	2.88
TP-2B	Q1982-02	05/13/2025	10:35	PD088502.D	8.07	2.88
TP-4	Q1982-04	05/13/2025	10:49	PD088503.D	8.07	2.88
TP-5	Q1982-05	05/13/2025	11:02	PD088504.D	8.07	2.88
TP-8	Q1982-07	05/13/2025	11:16	PD088505.D	8.07	2.88
I.BLK	I.BLK	05/13/2025	13:18	PD088514.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	14:22	PD088515.D	8.08	2.88
I.BLK	I.BLK	05/13/2025	16:35	PD088523.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	16:48	PD088524.D	8.07	2.88
PB167959BL	PB167959BL	05/13/2025	17:02	PD088525.D	8.07	2.88
PB167959BS	PB167959BS	05/13/2025	17:15	PD088526.D	8.07	2.88
TP-9	Q1982-08	05/13/2025	17:29	PD088527.D	8.07	2.88
I.BLK	I.BLK	05/13/2025	19:18	PD088535.D	8.07	2.88

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Analytical Sequence

PSTDCCC050	PSTDCCC050	05/13/2025	19:46	PD088537.D	8.07	2.88
I.BLK	I.BLK	05/15/2025	08:47	PD088551.D	8.08	2.88
PEM	PEM	05/15/2025	09:18	PD088552.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/15/2025	09:32	PD088553.D	8.08	2.88
OU4-PCS-TC-33-050725MS	Q1984-01MS	05/15/2025	12:52	PD088559.D	8.08	2.88
OU4-PCS-TC-33-050725MSD	Q1984-01MSD	05/15/2025	13:05	PD088560.D	8.07	2.88
I.BLK	I.BLK	05/15/2025	14:14	PD088565.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/15/2025	15:11	PD088566.D	8.08	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-33-050725MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1984-01MS **Date(s) Analyzed:** 05/15/2025 05/15/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	20.1	20.3
	2	5.93	5.88	5.98	16.4	
4,4'-DDE	1	6.20	6.15	6.25	19.2	12.2
	2	5.38	5.33	5.43	17.0	
Endosulfan II	1	6.79	6.74	6.84	19.0	11.7
	2	6.08	6.03	6.13	16.9	
4,4'-DDT	1	7.02	6.97	7.07	19.3	11.5
	2	6.19	6.14	6.24	17.2	
Endrin aldehyde	1	6.92	6.87	6.97	19.5	13.7
	2	6.26	6.21	6.31	17.0	
Endosulfan sulfate	1	7.15	7.10	7.20	19.2	15.7
	2	6.48	6.43	6.53	16.4	
Endrin ketone	1	7.63	7.58	7.68	19.6	14.8
	2	6.99	6.94	7.04	16.9	
alpha-BHC	1	4.00	3.95	4.05	19.7	11.8
	2	3.40	3.35	3.45	17.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.1	16.7
	2	3.73	3.68	3.78	17.0	
Aldrin	1	5.27	5.22	5.32	20.0	15.1
	2	4.37	4.32	4.42	17.2	
beta-BHC	1	4.52	4.47	4.57	19.4	10.9
	2	4.03	3.98	4.08	17.4	
delta-BHC	1	4.77	4.72	4.82	19.9	13.4
	2	4.26	4.21	4.31	17.4	
Endosulfan I	1	6.08	6.03	6.13	19.8	14.6
	2	5.25	5.20	5.30	17.1	
alpha-Chlordane	1	6.03	5.98	6.08	19.8	14.6
	2	5.19	5.14	5.24	17.1	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-33-050725MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1984-01MS **Date(s) Analyzed:** 05/15/2025 05/15/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dieldrin	1	6.35	6.30	6.40	20.0	15.6
	2	5.52	5.47	5.57	17.1	
Endrin	1	6.58	6.53	6.63	19.6	13
	2	5.79	5.74	5.84	17.2	
Methoxychlor	1	7.50	7.45	7.55	18.6	10.8
	2	6.76	6.71	6.81	16.7	
Heptachlor	1	4.93	4.88	4.98	20.4	14.7
	2	4.09	4.04	4.14	17.6	
Heptachlor epoxide	1	5.69	5.64	5.74	19.8	14.6
	2	4.88	4.83	4.93	17.1	
gamma-Chlordane	1	5.95	5.90	6.00	19.7	13.6
	2	5.13	5.08	5.18	17.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-33-050725MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1984-01MSD **Date(s) Analyzed:** 05/15/2025 05/15/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	19.2	13.3
	2	6.08	6.03	6.13	16.8	
4,4'-DDD	1	6.71	6.66	6.76	20.3	19.5
	2	5.93	5.88	5.98	16.7	
4,4'-DDT	1	7.02	6.97	7.07	19.4	12.6
	2	6.19	6.14	6.24	17.1	
Endrin aldehyde	1	6.92	6.87	6.97	19.6	14.2
	2	6.26	6.21	6.31	17.0	
Endosulfan sulfate	1	7.15	7.10	7.20	19.4	13.8
	2	6.48	6.43	6.53	16.9	
Methoxychlor	1	7.49	7.44	7.54	18.8	11.2
	2	6.76	6.71	6.81	16.8	
Endrin ketone	1	7.63	7.58	7.68	19.7	13.6
	2	6.99	6.94	7.04	17.2	
alpha-BHC	1	4.00	3.95	4.05	19.9	11.1
	2	3.40	3.35	3.45	17.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.3	16.5
	2	3.73	3.68	3.78	17.2	
Heptachlor	1	4.93	4.88	4.98	20.7	15.1
	2	4.09	4.04	4.14	17.8	
Aldrin	1	5.27	5.22	5.32	20.4	15.3
	2	4.37	4.32	4.42	17.5	
beta-BHC	1	4.52	4.47	4.57	19.5	9.1
	2	4.03	3.98	4.08	17.8	
delta-BHC	1	4.77	4.72	4.82	20.0	12.8
	2	4.26	4.21	4.31	17.6	
Heptachlor epoxide	1	5.69	5.64	5.74	19.8	13.5
	2	4.87	4.82	4.92	17.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-33-050725MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1984-01MSD **Date(s) Analyzed:** 05/15/2025 05/15/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.08	6.03	6.13	20.0	13.9
	2	5.25	5.20	5.30	17.4	
gamma-Chlordane	1	5.95	5.90	6.00	19.8	13.5
	2	5.13	5.08	5.18	17.3	
alpha-Chlordane	1	6.03	5.98	6.08	19.9	14
	2	5.19	5.14	5.24	17.3	
4,4'-DDE	1	6.20	6.15	6.25	19.4	11.4
	2	5.38	5.33	5.43	17.3	
Dieldrin	1	6.35	6.30	6.40	20.2	14.9
	2	5.51	5.46	5.56	17.4	
Endrin	1	6.58	6.53	6.63	19.8	12.9
	2	5.79	5.74	5.84	17.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167950BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: PB167950BS **Date(s) Analyzed:** 05/12/2025 05/12/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	17.1	11.8
	2	5.93	5.88	5.98	15.2	
4,4'-DDE	1	6.20	6.15	6.25	16.8	10
	2	5.38	5.33	5.43	15.2	
4,4'-DDT	1	7.02	6.97	7.07	17.4	12.8
	2	6.19	6.14	6.24	15.3	
alpha-BHC	1	4.00	3.95	4.05	16.3	7.6
	2	3.39	3.34	3.44	15.1	
Aldrin	1	5.27	5.22	5.32	16.8	9.3
	2	4.37	4.32	4.42	15.3	
alpha-Chlordane	1	6.03	5.98	6.08	16.9	10.6
	2	5.19	5.14	5.24	15.2	
Endosulfan II	1	6.79	6.74	6.84	16.8	10.7
	2	6.08	6.03	6.13	15.1	
Endosulfan sulfate	1	7.15	7.10	7.20	17.2	13.7
	2	6.48	6.43	6.53	15.0	
beta-BHC	1	4.52	4.47	4.57	16.1	4.4
	2	4.03	3.98	4.08	15.4	
delta-BHC	1	4.76	4.71	4.81	16.8	9.3
	2	4.26	4.21	4.31	15.3	
Endosulfan I	1	6.08	6.03	6.13	17.1	11.1
	2	5.25	5.20	5.30	15.3	
Dieldrin	1	6.35	6.30	6.40	17.3	12.9
	2	5.51	5.46	5.56	15.2	
Endrin aldehyde	1	6.92	6.87	6.97	16.9	12.6
	2	6.26	6.21	6.31	14.9	
Methoxychlor	1	7.49	7.44	7.54	17.0	17.3
	2	6.76	6.71	6.81	14.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167950BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: PB167950BS **Date(s) Analyzed:** 05/12/2025 05/12/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	17.3	13.6
	2	6.99	6.94	7.04	15.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.2	7.7
	2	3.73	3.68	3.78	15.0	
Heptachlor	1	4.93	4.88	4.98	17.0	13.2
	2	4.08	4.03	4.13	14.9	
Heptachlor epoxide	1	5.69	5.64	5.74	16.8	10
	2	4.87	4.82	4.92	15.2	
gamma-Chlordane	1	5.95	5.90	6.00	16.9	10.6
	2	5.13	5.08	5.18	15.2	
Endrin	1	6.58	6.53	6.63	17.1	14.4
	2	5.79	5.74	5.84	14.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167959BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: PB167959BS **Date(s) Analyzed:** 05/13/2025 05/13/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	18.5	12
	2	5.93	5.88	5.98	16.4	
4,4'-DDT	1	7.02	6.97	7.07	17.3	12.3
	2	6.19	6.14	6.24	15.3	
alpha-BHC	1	4.00	3.95	4.05	17.7	9.5
	2	3.40	3.35	3.45	16.1	
Aldrin	1	5.27	5.22	5.32	18.1	11.1
	2	4.37	4.32	4.42	16.2	
beta-BHC	1	4.52	4.47	4.57	17.3	7.8
	2	4.03	3.98	4.08	16.0	
alpha-Chlordane	1	6.03	5.98	6.08	18.1	12.9
	2	5.19	5.14	5.24	15.9	
4,4'-DDE	1	6.20	6.15	6.25	17.7	9.5
	2	5.38	5.33	5.43	16.1	
Endosulfan II	1	6.79	6.74	6.84	17.6	10.8
	2	6.08	6.03	6.13	15.8	
Endrin aldehyde	1	6.92	6.87	6.97	17.8	11.9
	2	6.26	6.21	6.31	15.8	
Endosulfan sulfate	1	7.15	7.10	7.20	17.9	13.1
	2	6.48	6.43	6.53	15.7	
Methoxychlor	1	7.49	7.44	7.54	16.6	10.1
	2	6.76	6.71	6.81	15.0	
Endrin ketone	1	7.63	7.58	7.68	18.0	13
	2	6.99	6.94	7.04	15.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.5	9.6
	2	3.73	3.68	3.78	15.9	
Heptachlor	1	4.93	4.88	4.98	18.0	13
	2	4.08	4.03	4.13	15.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167959BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: PB167959BS **Date(s) Analyzed:** 05/13/2025 05/13/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
delta-BHC	1	4.77	4.72	4.82	18.0	10.5
	2	4.26	4.21	4.31	16.2	
Heptachlor epoxide	1	5.69	5.64	5.74	18.1	12.3
	2	4.88	4.83	4.93	16.0	
Endosulfan I	1	6.08	6.03	6.13	18.2	13.5
	2	5.25	5.20	5.30	15.9	
gamma-Chlordane	1	5.95	5.90	6.00	18.1	12.3
	2	5.13	5.08	5.18	16.0	
Dieldrin	1	6.35	6.30	6.40	18.3	13.4
	2	5.52	5.47	5.57	16.0	
Endrin	1	6.58	6.53	6.63	17.4	12.2
	2	5.79	5.74	5.84	15.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-1MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-01MS **Date(s) Analyzed:** 05/12/2025 05/12/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	22.1	21.6
	2	5.93	5.88	5.98	17.8	
4,4'-DDT	1	7.02	6.97	7.07	22.4	16.4
	2	6.19	6.14	6.24	19.0	
alpha-BHC	1	4.00	3.95	4.05	21.2	9.9
	2	3.40	3.35	3.45	19.2	
Aldrin	1	5.27	5.22	5.32	21.8	12.2
	2	4.37	4.32	4.42	19.3	
beta-BHC	1	4.52	4.47	4.57	20.6	9.1
	2	4.03	3.98	4.08	18.8	
alpha-Chlordane	1	6.03	5.98	6.08	21.6	14.9
	2	5.19	5.14	5.24	18.6	
4,4'-DDE	1	6.20	6.15	6.25	21.3	14.6
	2	5.38	5.33	5.43	18.4	
Endosulfan II	1	6.79	6.74	6.84	21.1	12.1
	2	6.08	6.03	6.13	18.7	
Endrin aldehyde	1	6.92	6.87	6.97	21.3	15.2
	2	6.26	6.21	6.31	18.3	
Endosulfan sulfate	1	7.15	7.10	7.20	21.5	14.5
	2	6.48	6.43	6.53	18.6	
Methoxychlor	1	7.49	7.44	7.54	21.4	15.6
	2	6.76	6.71	6.81	18.3	
Endrin ketone	1	7.63	7.58	7.68	21.6	14.4
	2	6.99	6.94	7.04	18.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	21.2	12.5
	2	3.73	3.68	3.78	18.7	
Heptachlor	1	4.93	4.88	4.98	22.0	16.2
	2	4.09	4.04	4.14	18.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-1MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-01MS **Date(s) Analyzed:** 05/12/2025 05/12/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
delta-BHC	1	4.77	4.72	4.82	22.8	18.7
	2	4.26	4.21	4.31	18.9	
Heptachlor epoxide	1	5.69	5.64	5.74	21.8	18
	2	4.88	4.83	4.93	18.2	
Endosulfan I	1	6.08	6.03	6.13	21.8	16.4
	2	5.25	5.20	5.30	18.5	
gamma-Chlordane	1	5.95	5.90	6.00	21.3	12.5
	2	5.13	5.08	5.18	18.8	
Dieldrin	1	6.35	6.30	6.40	22.0	17.8
	2	5.52	5.47	5.57	18.4	
Endrin	1	6.58	6.53	6.63	21.8	15.3
	2	5.79	5.74	5.84	18.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-1MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-01MSD **Date(s) Analyzed:** 05/12/2025 05/12/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	21.2	12
	2	6.08	6.03	6.13	18.8	
4,4'-DDD	1	6.71	6.66	6.76	22.1	21
	2	5.93	5.88	5.98	17.9	
4,4'-DDT	1	7.02	6.97	7.07	22.4	16.9
	2	6.19	6.14	6.24	18.9	
Endrin aldehyde	1	6.92	6.87	6.97	21.3	15.2
	2	6.26	6.21	6.31	18.3	
Endosulfan sulfate	1	7.15	7.10	7.20	21.5	14.5
	2	6.49	6.44	6.54	18.6	
alpha-BHC	1	4.00	3.95	4.05	21.4	10.3
	2	3.40	3.35	3.45	19.3	
Aldrin	1	5.27	5.22	5.32	22.0	12
	2	4.37	4.32	4.42	19.5	
beta-BHC	1	4.52	4.47	4.57	20.8	9.6
	2	4.03	3.98	4.08	18.9	
delta-BHC	1	4.77	4.72	4.82	22.8	18.2
	2	4.26	4.21	4.31	19.0	
Endosulfan I	1	6.08	6.03	6.13	22.0	16.2
	2	5.25	5.20	5.30	18.7	
alpha-Chlordane	1	6.03	5.98	6.08	21.8	14.8
	2	5.19	5.14	5.24	18.8	
4,4'-DDE	1	6.20	6.15	6.25	21.4	14
	2	5.38	5.33	5.43	18.6	
Dieldrin	1	6.35	6.30	6.40	22.2	18.2
	2	5.52	5.47	5.57	18.5	
Endrin	1	6.58	6.53	6.63	22.0	15.7
	2	5.79	5.74	5.84	18.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-1MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-01MSD **Date(s) Analyzed:** 05/12/2025 05/12/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.49	7.44	7.54	21.5	16.1
	2	6.76	6.71	6.81	18.3	
Endrin ketone	1	7.63	7.58	7.68	21.7	14.9
	2	6.99	6.94	7.04	18.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	21.4	12.9
	2	3.73	3.68	3.78	18.8	
Heptachlor	1	4.93	4.88	4.98	22.2	16.1
	2	4.09	4.04	4.14	18.9	
Heptachlor epoxide	1	5.69	5.64	5.74	21.9	16.8
	2	4.88	4.83	4.93	18.5	
gamma-Chlordane	1	5.95	5.90	6.00	21.5	12.3
	2	5.13	5.08	5.18	19.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-8

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-07 **Date(s) Analyzed:** 05/13/2025 05/13/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.95	5.90	6.00	2.30	9.1
	2	5.13	5.08	5.18	2.10	
alpha-Chlordane	1	6.03	5.98	6.08	2.20	37.8
	2	5.19	5.14	5.24	1.50	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-9

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1982 **SAS No.:** Q1982 **SDG NO.:** Q1982

Lab Sample ID: Q1982-08 **Date(s) Analyzed:** 05/13/2025 05/13/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.95	5.90	6.00	2.00	10.5
	2	5.13	5.08	5.18	1.80	
alpha-Chlordane	1	6.03	5.98	6.08	1.70	61
	2	5.19	5.14	5.24	0.90	
Dieldrin	1	6.35	6.30	6.40	0.30	87.5
	2	5.51	5.46	5.56	0.77	

QC SAMPLE DATA

Raw Data: **PD088465.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167950BL	SDG No.:	Q1982
Lab Sample ID:	PB167950BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088465.D	1	05/12/25 09:05	05/12/25 15:16	PB167950

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	21.1		20 - 144	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		19 - 148	93%	SPK: 20

Raw Data: **PD088465.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:	PB167950BL	SDG No.:	Q1982
Lab Sample ID:	PB167950BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088465.D	1	05/12/25 09:05	05/12/25 15:16	PB167950

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: **PD088465.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088465.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:16
Operator : AR\AJ
Sample : PB167950BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167950BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:25:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.558	2.880	37026533	267.0E6	18.537	18.263
28)	SA Decachlor...	9.083	8.076	69899990	349.2E6	21.130	18.898
	Target Compounds						

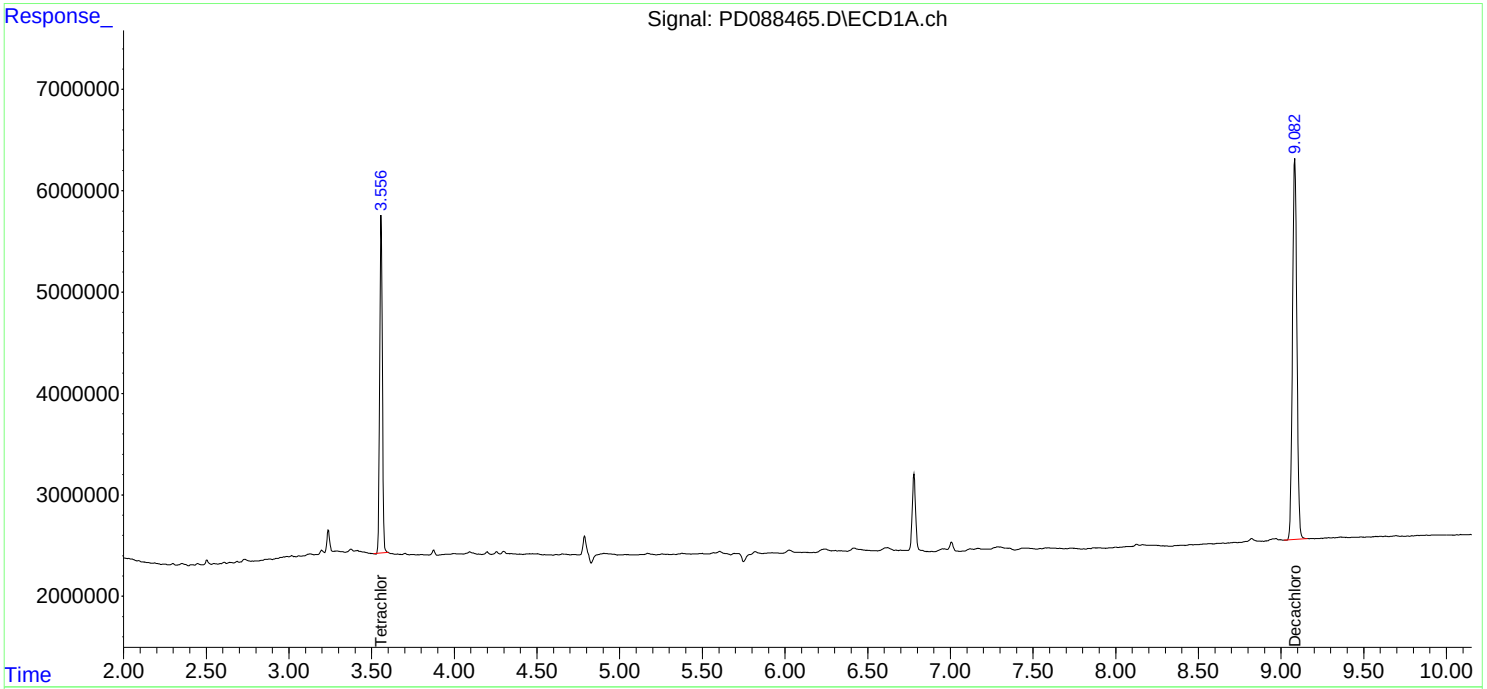
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

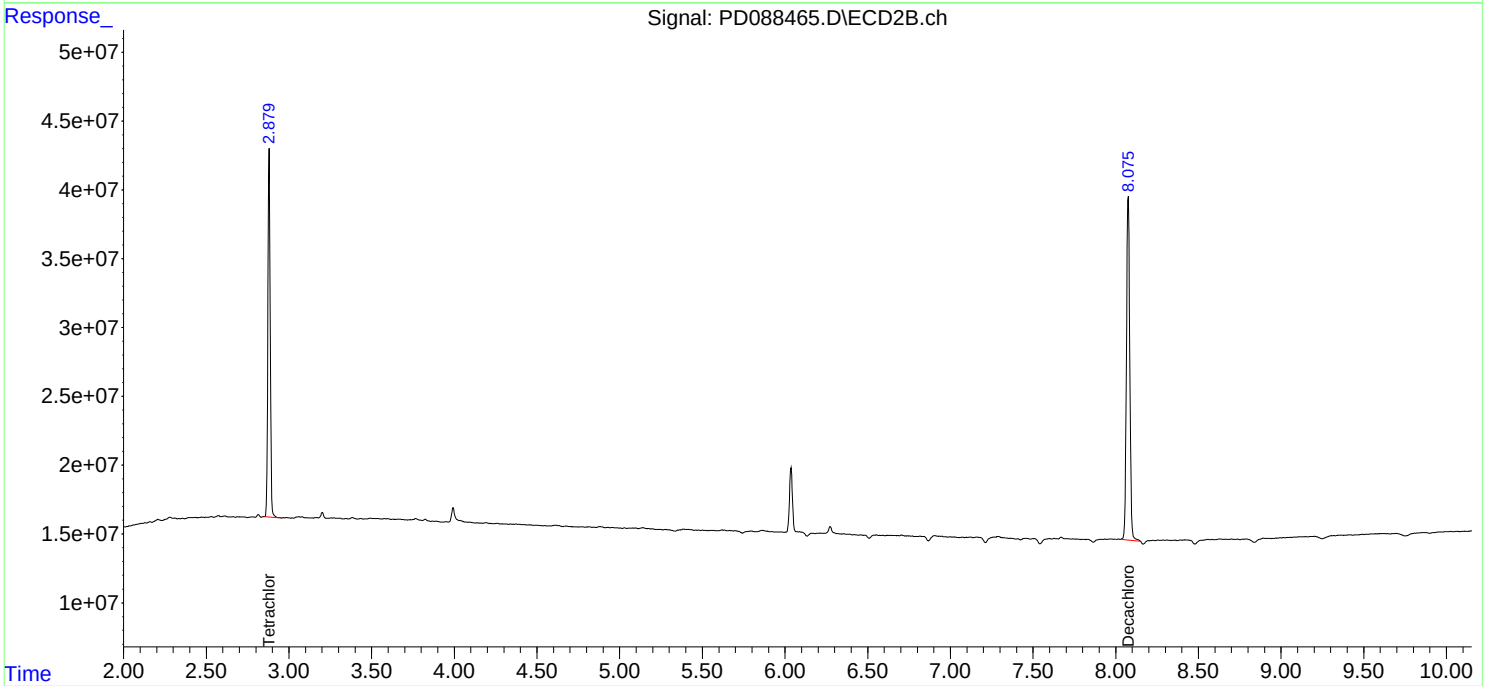
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088465.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:16
Operator : AR\AJ
Sample : PB167950BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

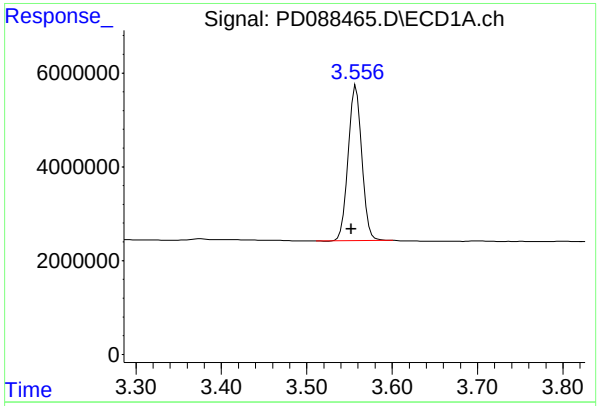
Instrument :
ECD_D
ClientSampleId :
PB167950BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:25:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



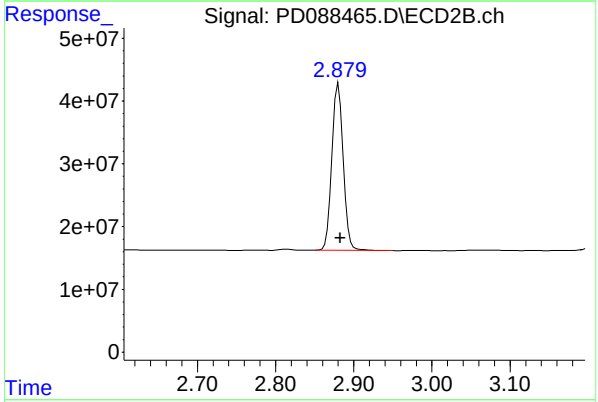




#1 Tetrachloro-m-xylene

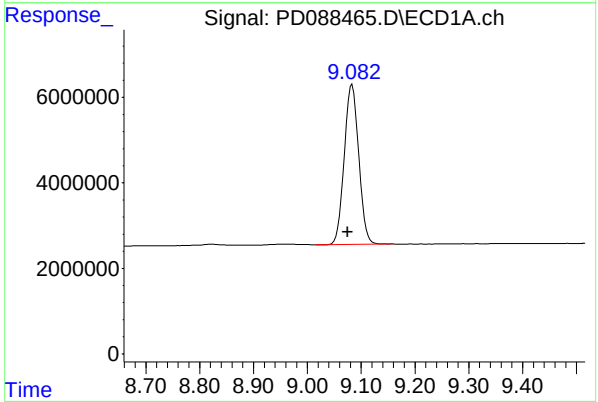
R.T.: 3.558 min
Delta R.T.: 0.006 min
Response: 37026533
Conc: 18.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167950BL



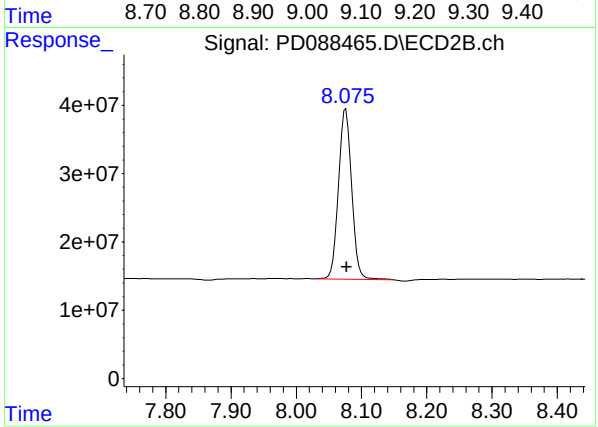
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.003 min
Response: 267029483
Conc: 18.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.083 min
Delta R.T.: 0.008 min
Response: 69899990
Conc: 21.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 349219965
Conc: 18.90 ng/ml

Raw Data: **PD088525.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:	PB167959BL	SDG No.:	Q1982
Lab Sample ID:	PB167959BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088525.D	1	05/13/25 08:30	05/13/25 17:02	PB167959

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	20.1		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		19 - 148	97%	SPK: 20

Raw Data: **PD088525.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:	PB167959BL	SDG No.:	Q1982
Lab Sample ID:	PB167959BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088525.D	1	05/13/25 08:30	05/13/25 17:02	PB167959

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: **PD088525.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:02
Operator : AR\AJ
Sample : PB167959BL
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167959BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	38568145	279.6E6	19.309	19.124
28)	SA Decachlor...	9.073	8.074	66384067	333.5E6	20.067	18.048
	Target Compounds						

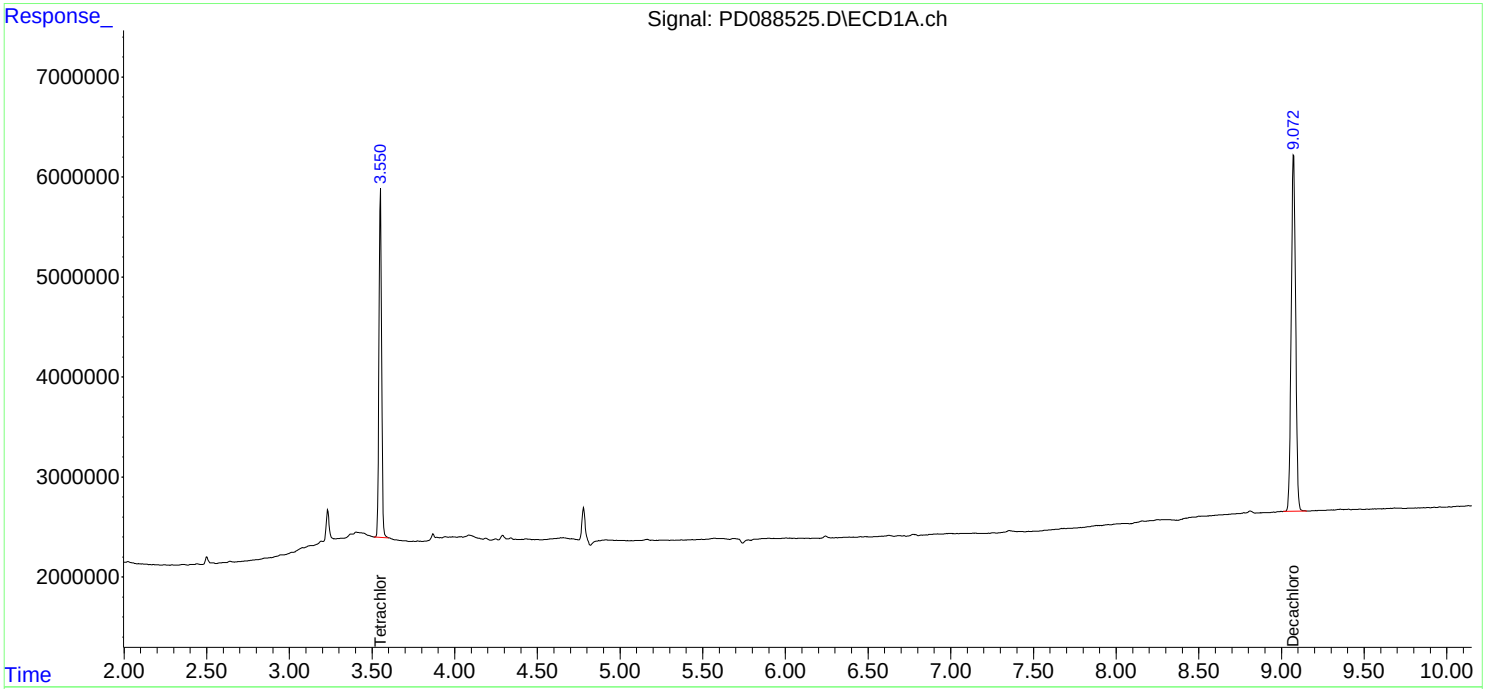
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

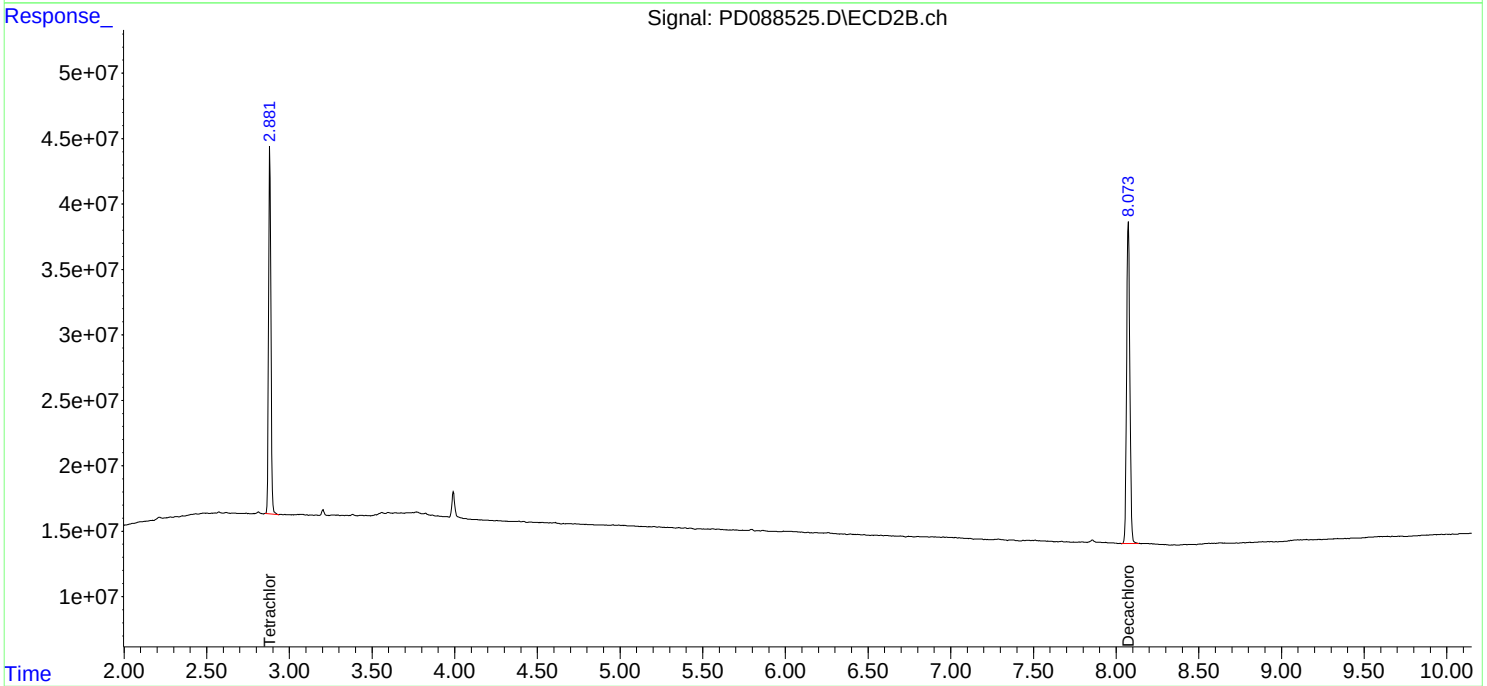
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:02
Operator : AR\AJ
Sample : PB167959BL
Misc :
ALS Vial : 26 Sample Multiplier: 1

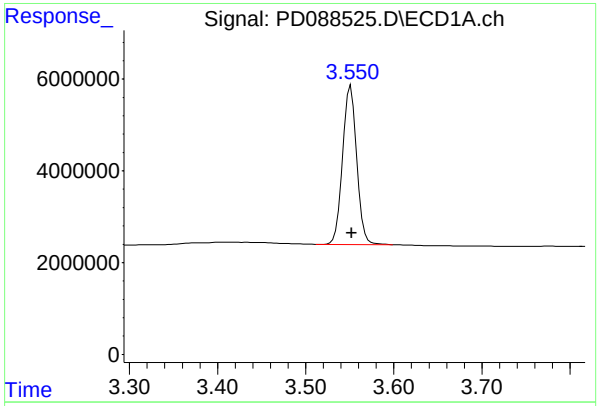
Instrument :
ECD_D
ClientSampleId :
PB167959BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



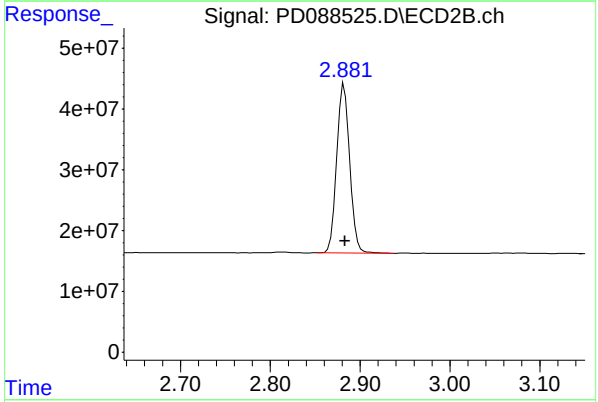




#1 Tetrachloro-m-xylene

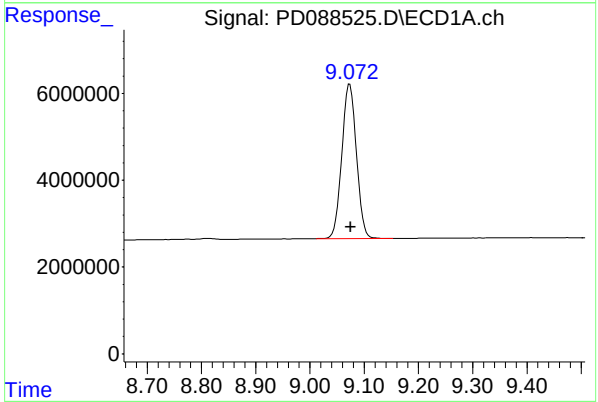
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 38568145
Conc: 19.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167959BL



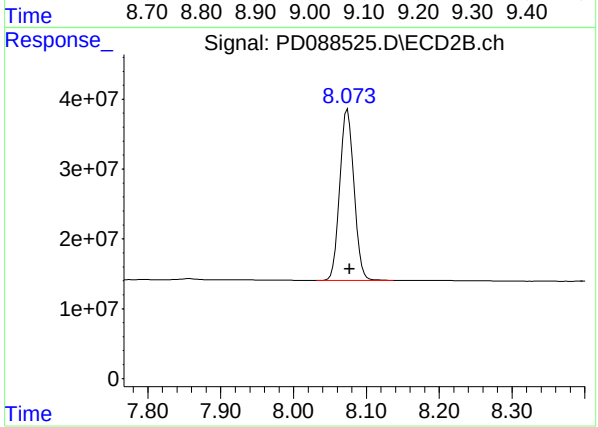
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 279618872
Conc: 19.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 66384067
Conc: 20.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 333511091
Conc: 18.05 ng/ml

Raw Data: **PD088121.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:	04/18/25
Project:	South River WM Replacement	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088121.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
PD088121.D	1		04/18/25	PD041825

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	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		77 - 126	104%	SPK: 20

Raw Data: **PD088121.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:	04/18/25
Project:	South River WM Replacement	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088121.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
PD088121.D	1		04/18/25	PD041825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	40168059	305.0E6	20.110	20.857
28)	SA Decachlor...	9.074	8.076	75778794	419.0E6	22.907	22.673
	Target Compounds						

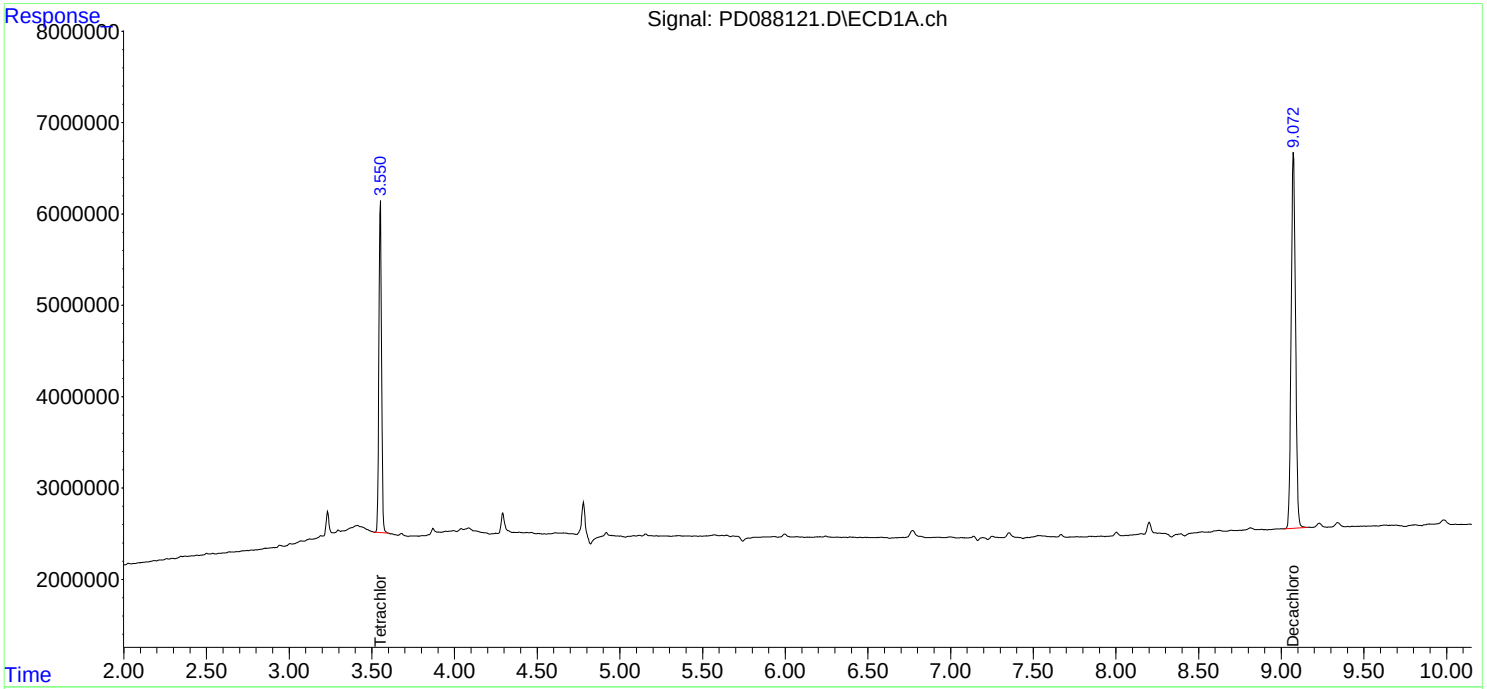
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

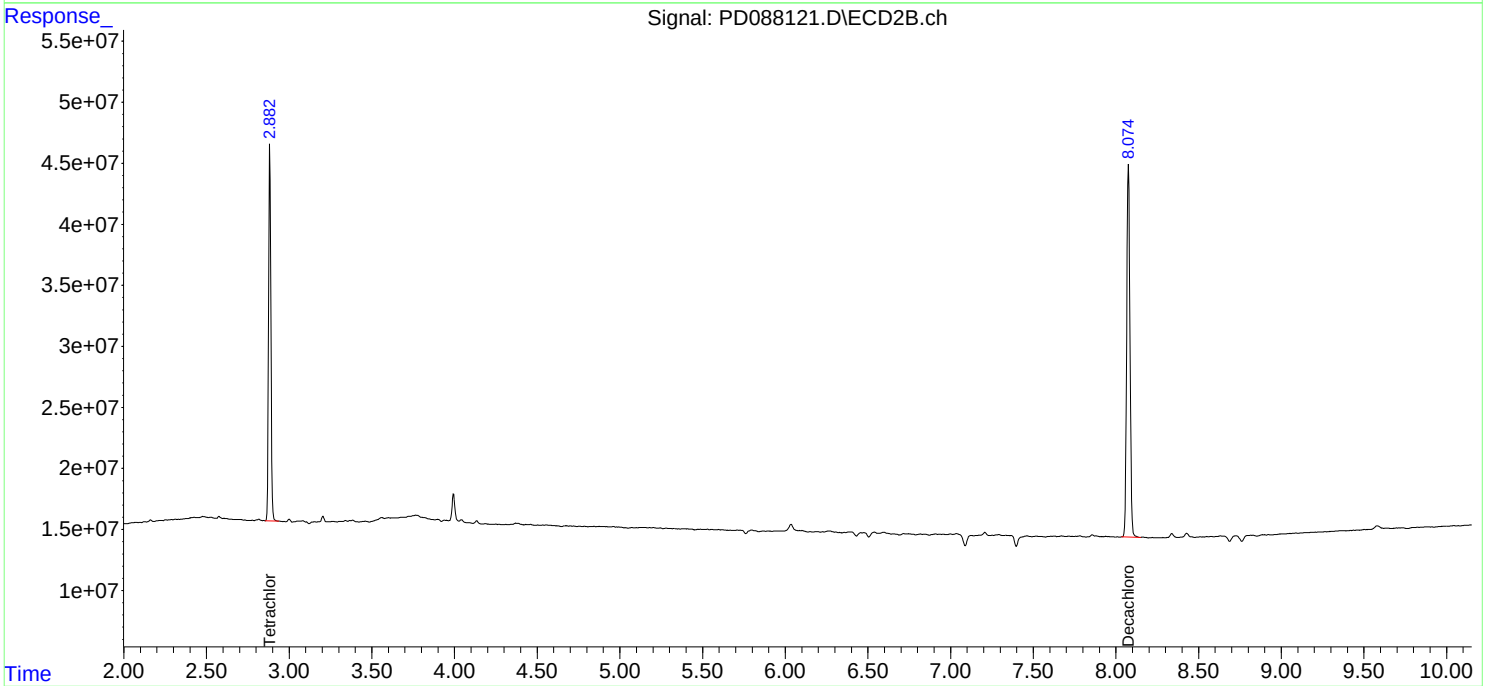
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

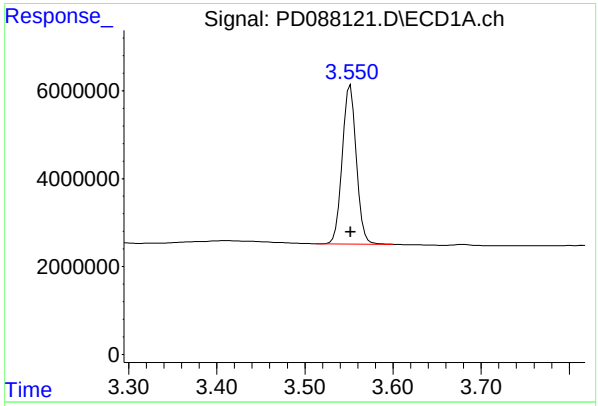
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



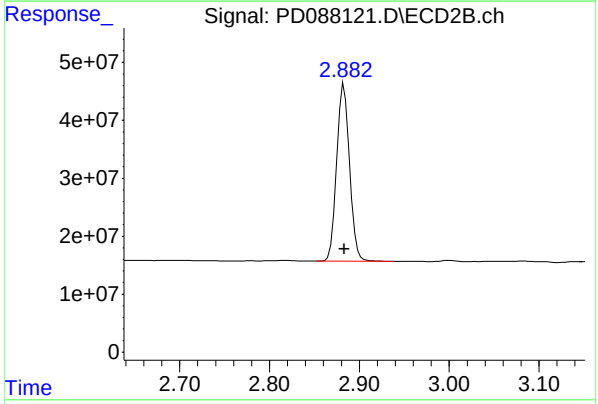




#1 Tetrachloro-m-xylene

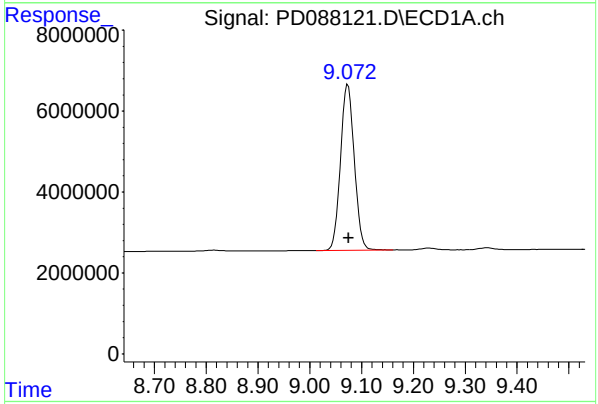
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 40168059
Conc: 20.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



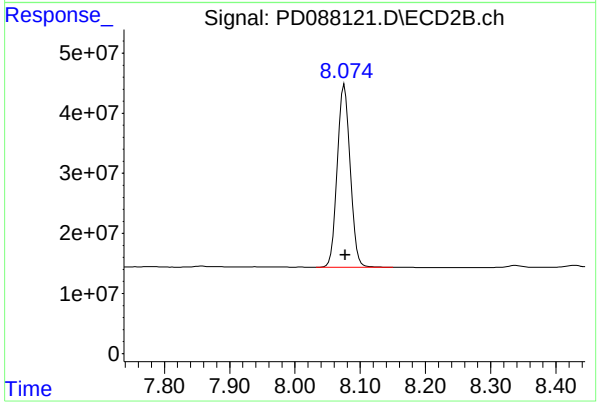
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 304969472
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 75778794
Conc: 22.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 418982365
Conc: 22.67 ng/ml

Raw Data: **PD088462.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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088462.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088462.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
PD088462.D	1		05/12/25	pd051225

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	19.4		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		77 - 126	88%	SPK: 20

Raw Data: **PD088462.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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088462.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088462.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
PD088462.D	1		05/12/25	pd051225

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: **PD088462.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:28:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.881	35177768	245.0E6	17.612	16.756
28)	SA Decachlor...	9.072	8.073	64043539	319.0E6	19.360	17.263
	Target Compounds						

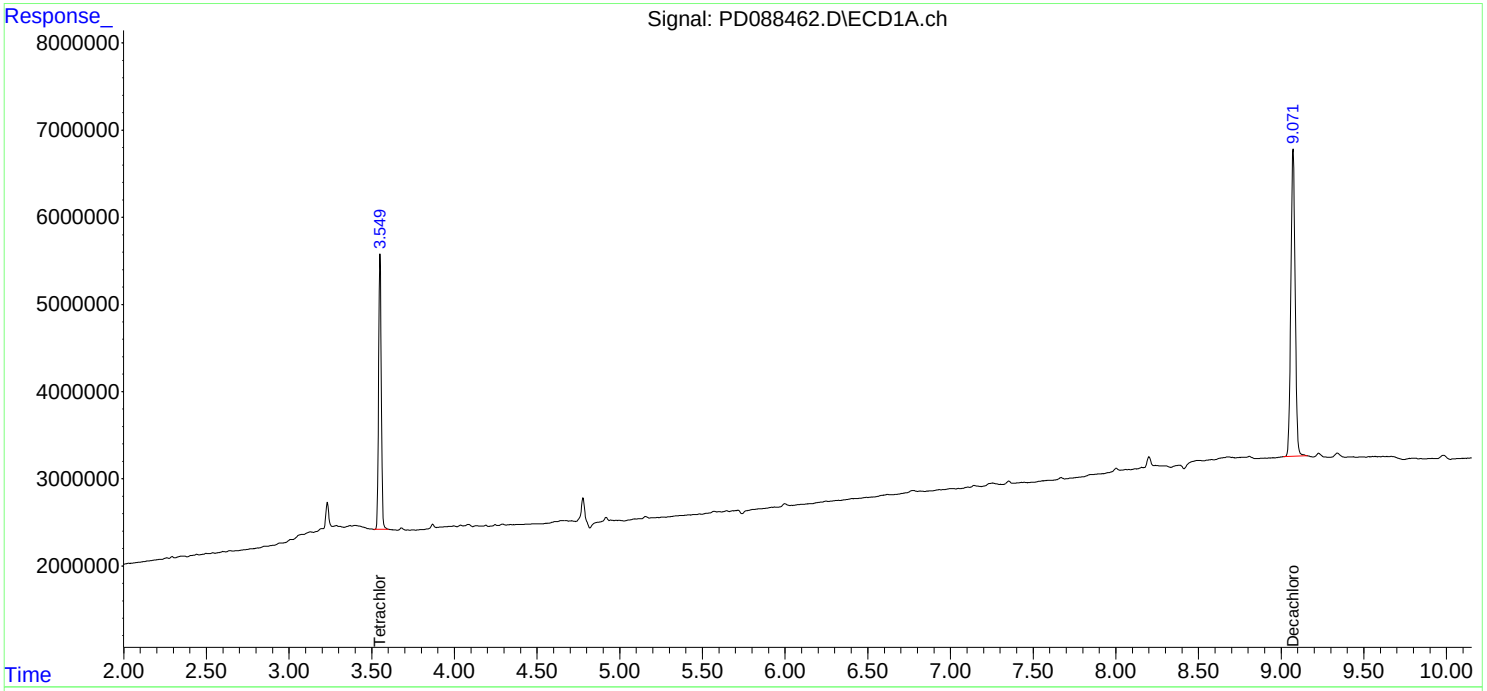
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

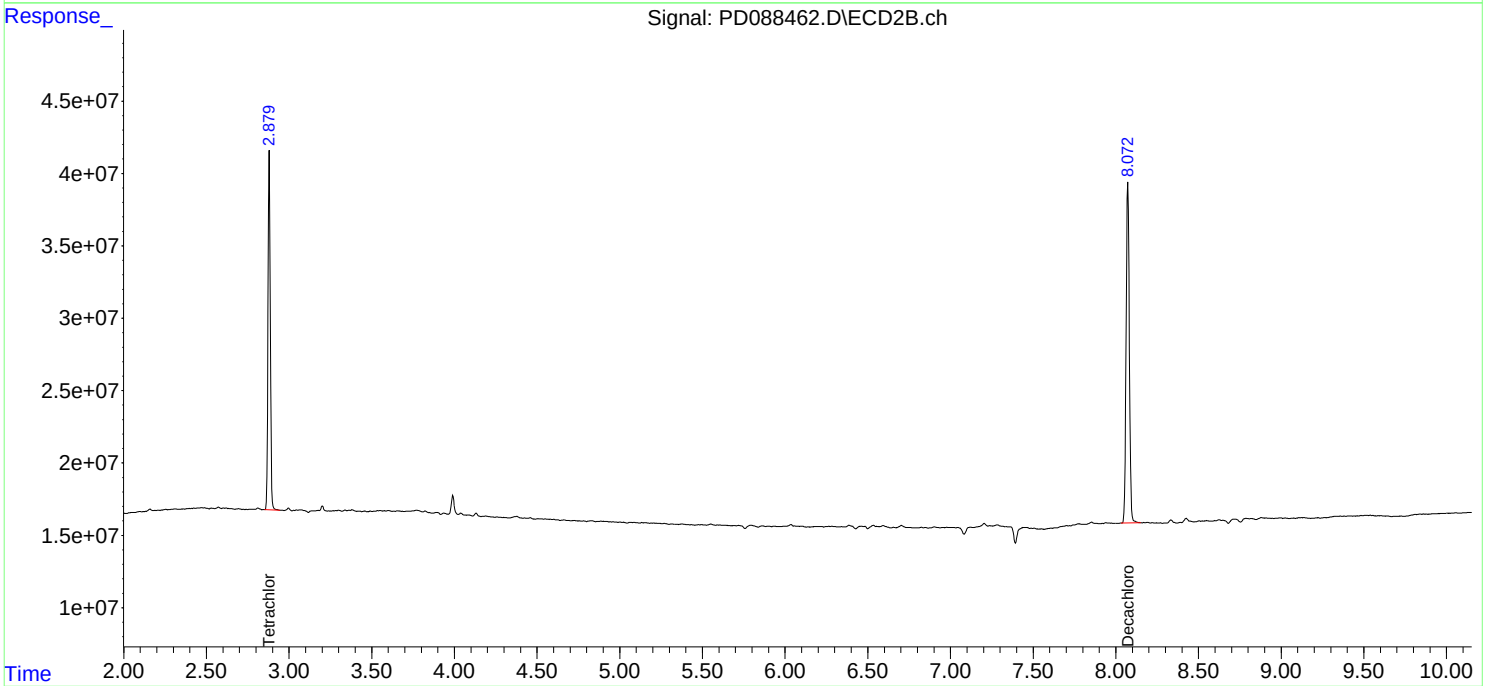
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

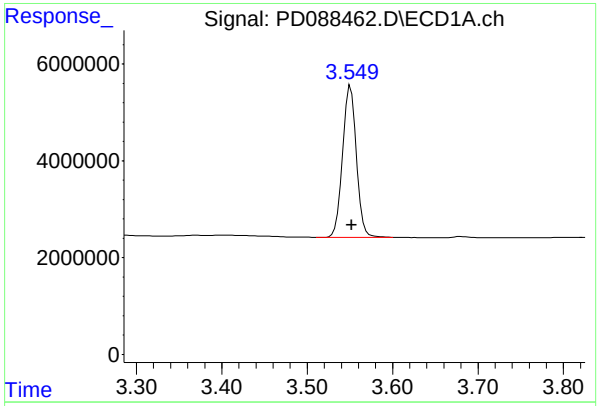
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:28:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



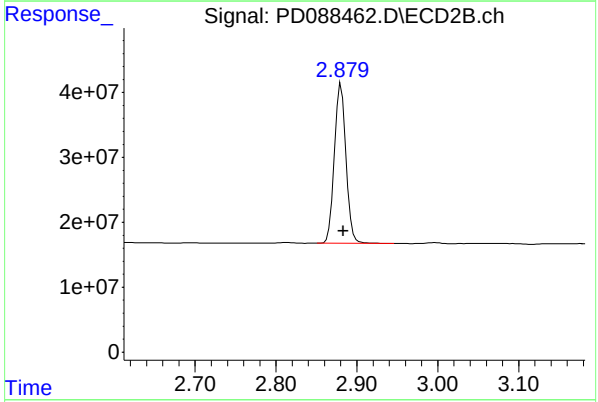




#1 Tetrachloro-m-xylene

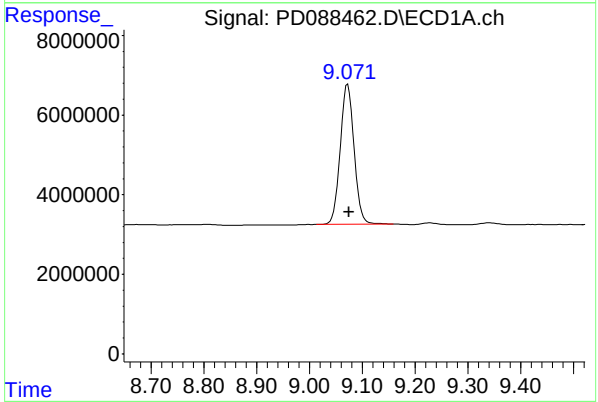
R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 35177768
Conc: 17.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



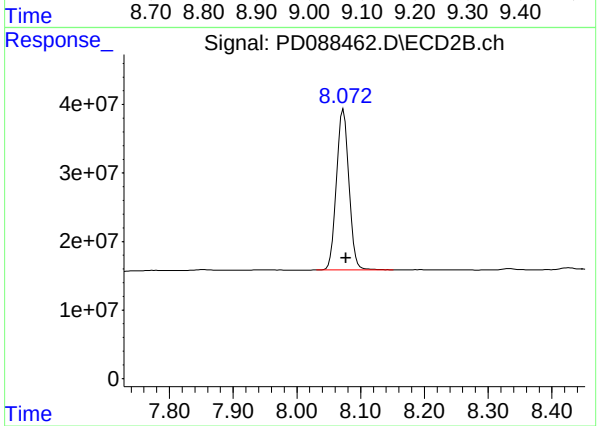
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 245002594
Conc: 16.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 64043539
Conc: 19.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 319020685
Conc: 17.26 ng/ml

Raw Data: **PD088474.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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088474.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088474.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
PD088474.D	1		05/12/25	pd051225

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	19.2		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		77 - 126	88%	SPK: 20

Raw Data: **PD088474.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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088474.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088474.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
PD088474.D	1		05/12/25	pd051225

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: **PD088474.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 17:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	35059412	245.2E6	17.553	16.767
28)	SA Decachlor...	9.072	8.075	63639354	309.7E6	19.237	16.758
	Target Compounds						

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

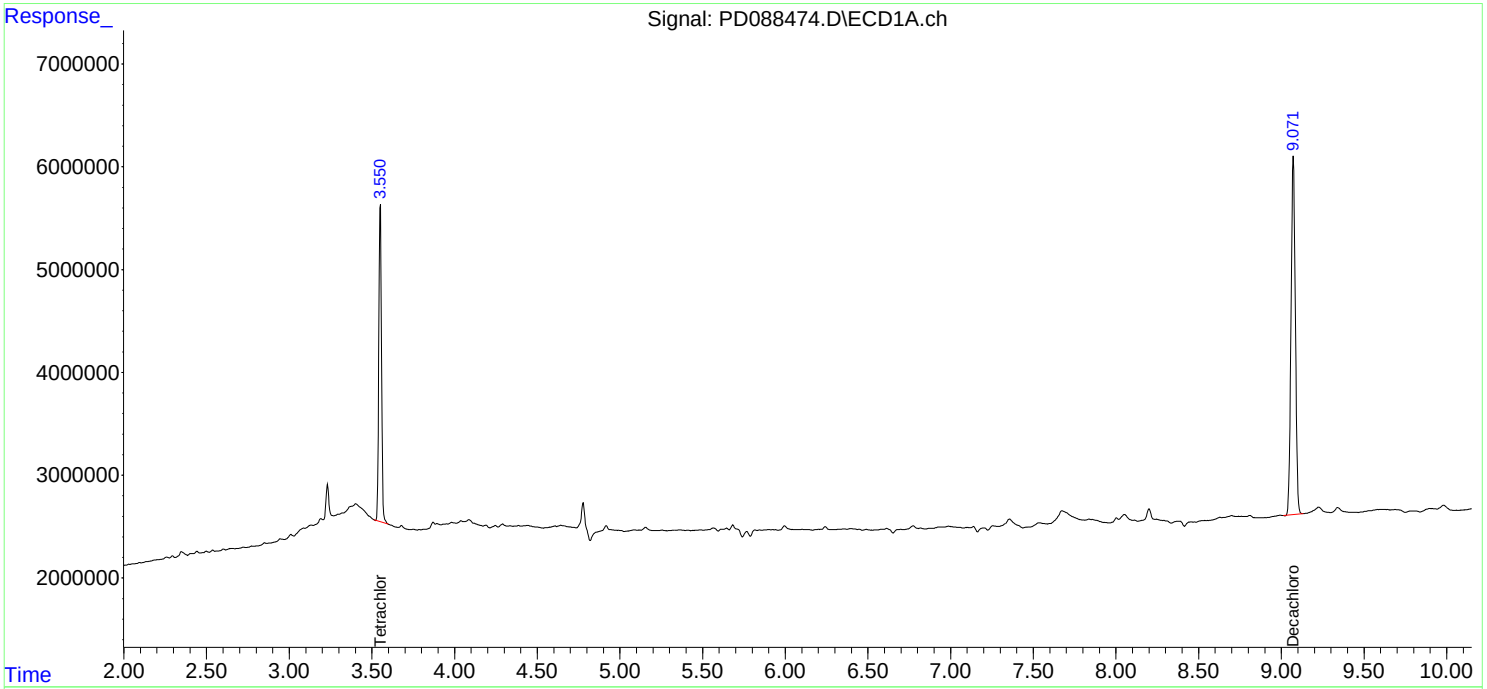
Sample Results: **PD088474.D**

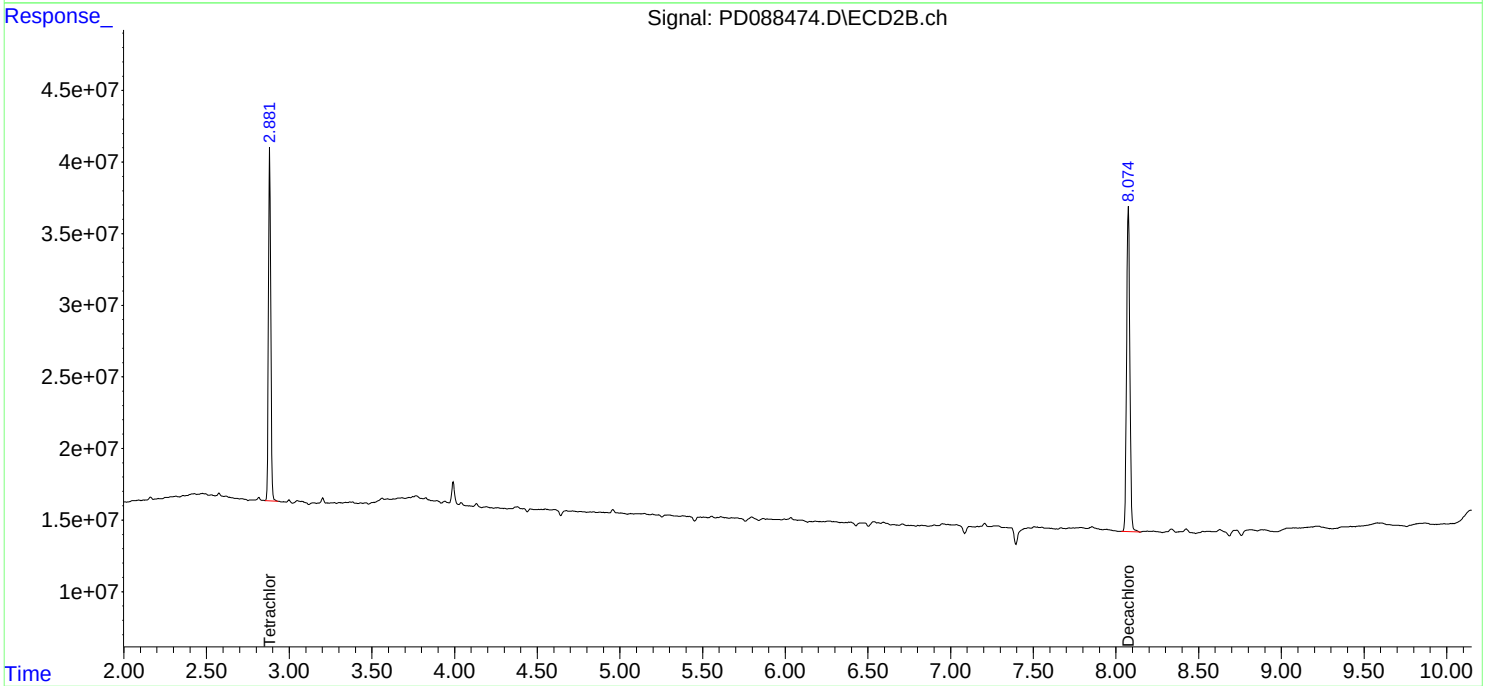
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 17:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

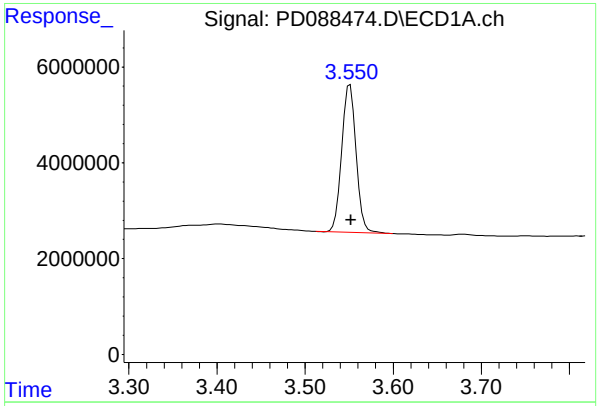
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



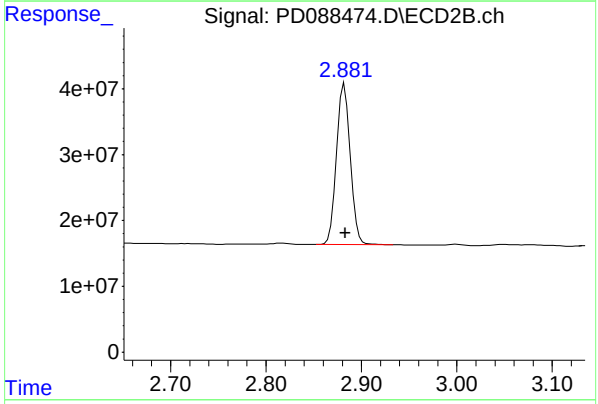




#1 Tetrachloro-m-xylene

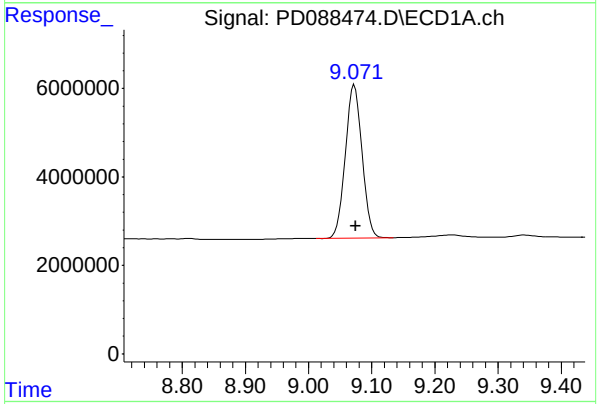
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 35059412
Conc: 17.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



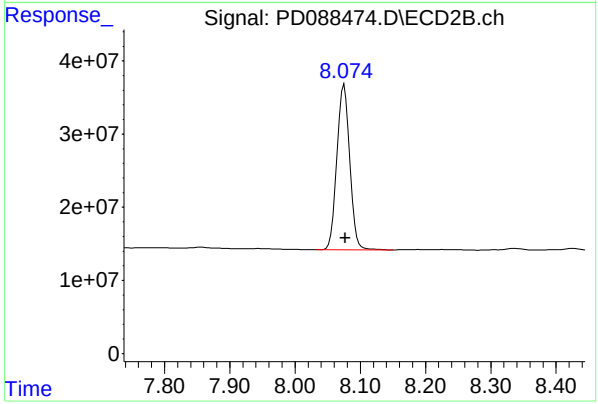
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 245160850
Conc: 16.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.002 min
Response: 63639354
Conc: 19.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 309690176
Conc: 16.76 ng/ml

Raw Data: **PD088482.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088482.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088482.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
PD088482.D	1		05/12/25	pd051225

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	19.5		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		77 - 126	88%	SPK: 20

Raw Data: **PD088482.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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088482.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088482.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
PD088482.D	1		05/12/25	pd051225

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: **PD088482.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 19:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	35161638	243.4E6	17.604	16.643
28)	SA Decachlor...	9.073	8.075	64373422	318.7E6	19.459	17.248
	Target Compounds						

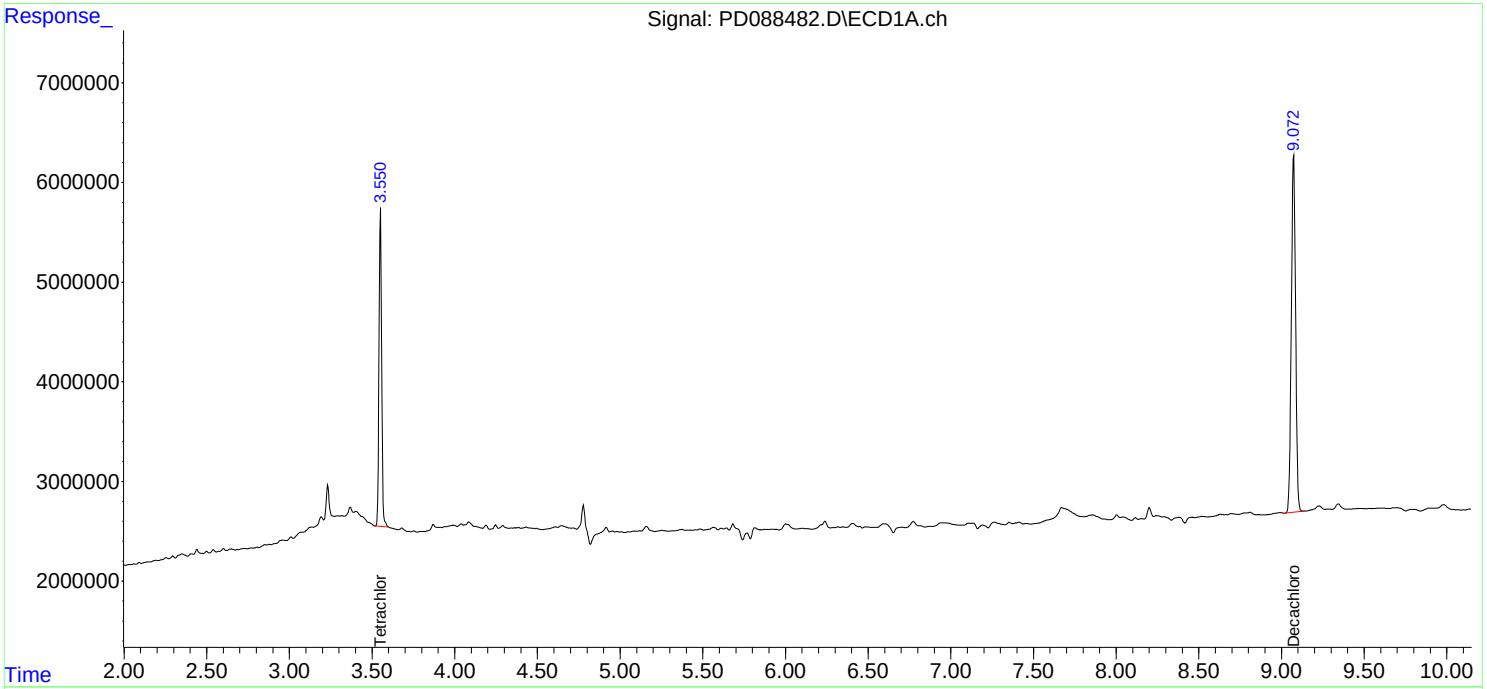
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

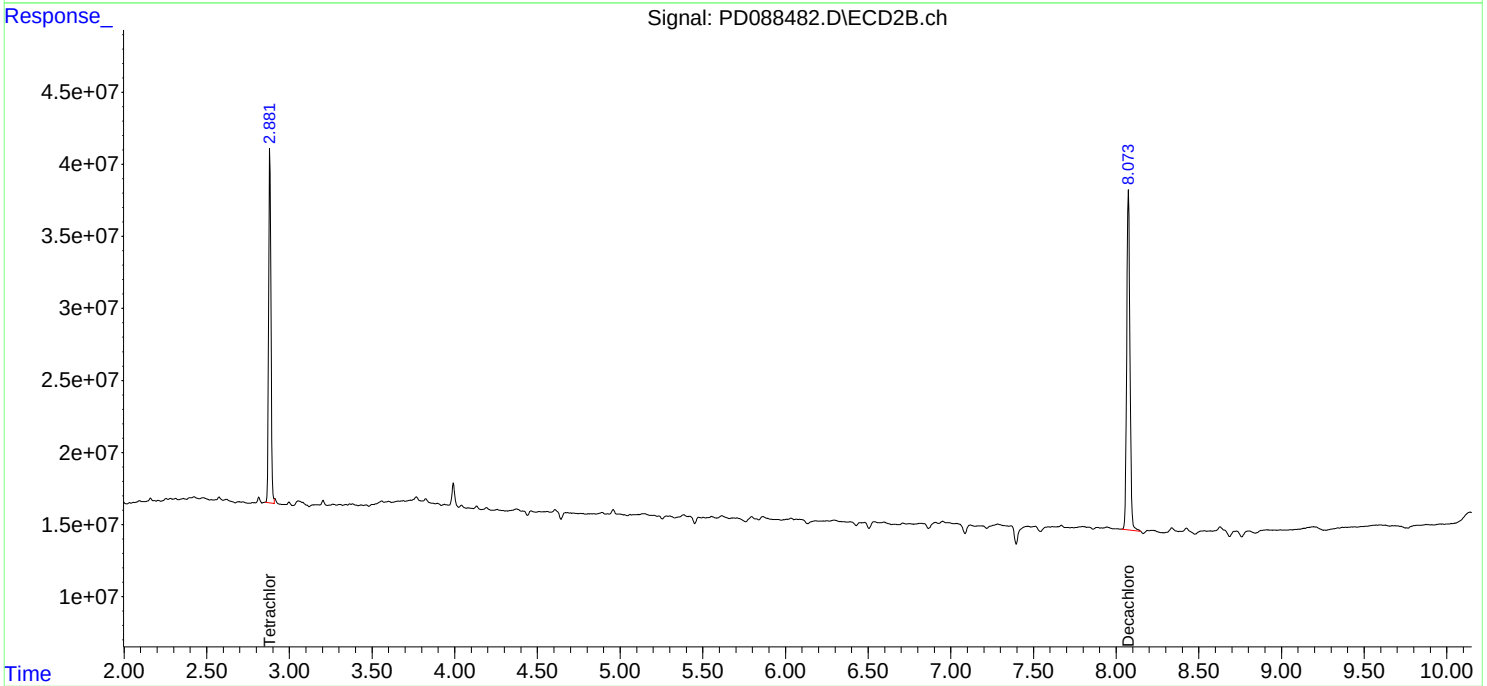
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 19:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

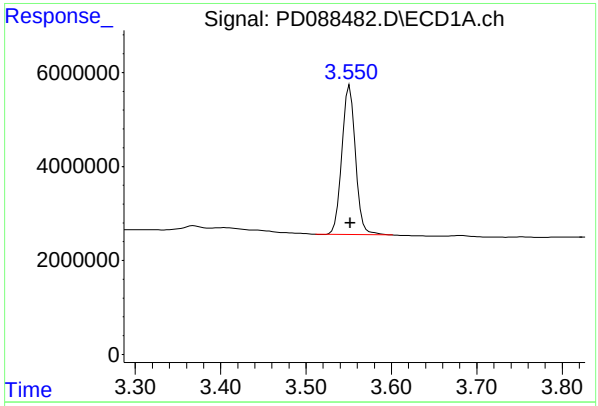
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



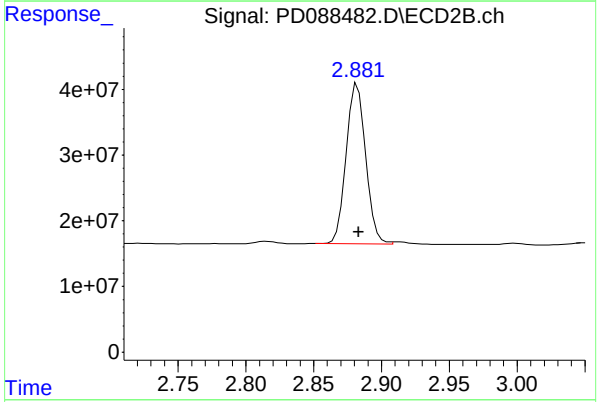




#1 Tetrachloro-m-xylene

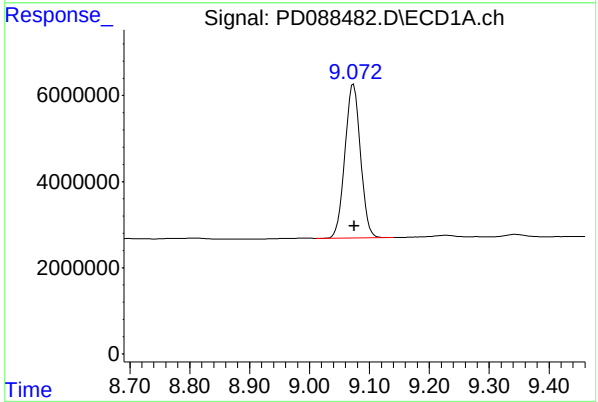
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 35161638
Conc: 17.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



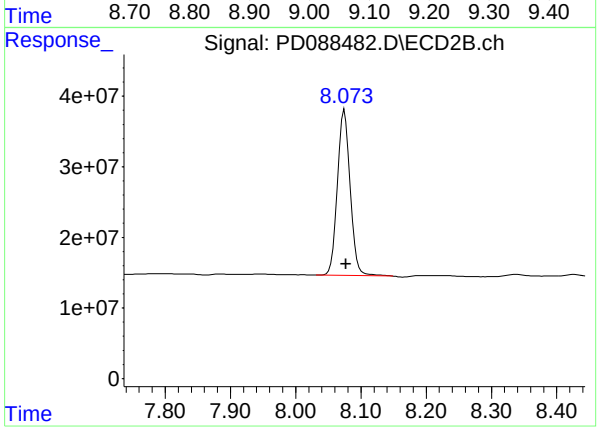
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 243351572
Conc: 16.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.001 min
Response: 64373422
Conc: 19.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 318743279
Conc: 17.25 ng/ml

Raw Data: **PD088494.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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088494.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088494.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
PD088494.D	1		05/12/25	pd051225

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	18.3		43 - 140	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.0		77 - 126	90%	SPK: 20

Raw Data: **PD088494.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:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PD088494.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088494.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
PD088494.D	1		05/12/25	pd051225

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: **PD088494.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 21:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.883	35873467	253.6E6	17.960	17.345
28)	SA Decachlor...	9.073	8.075	60650904	256.8E6	18.334	13.898
	Target Compounds						

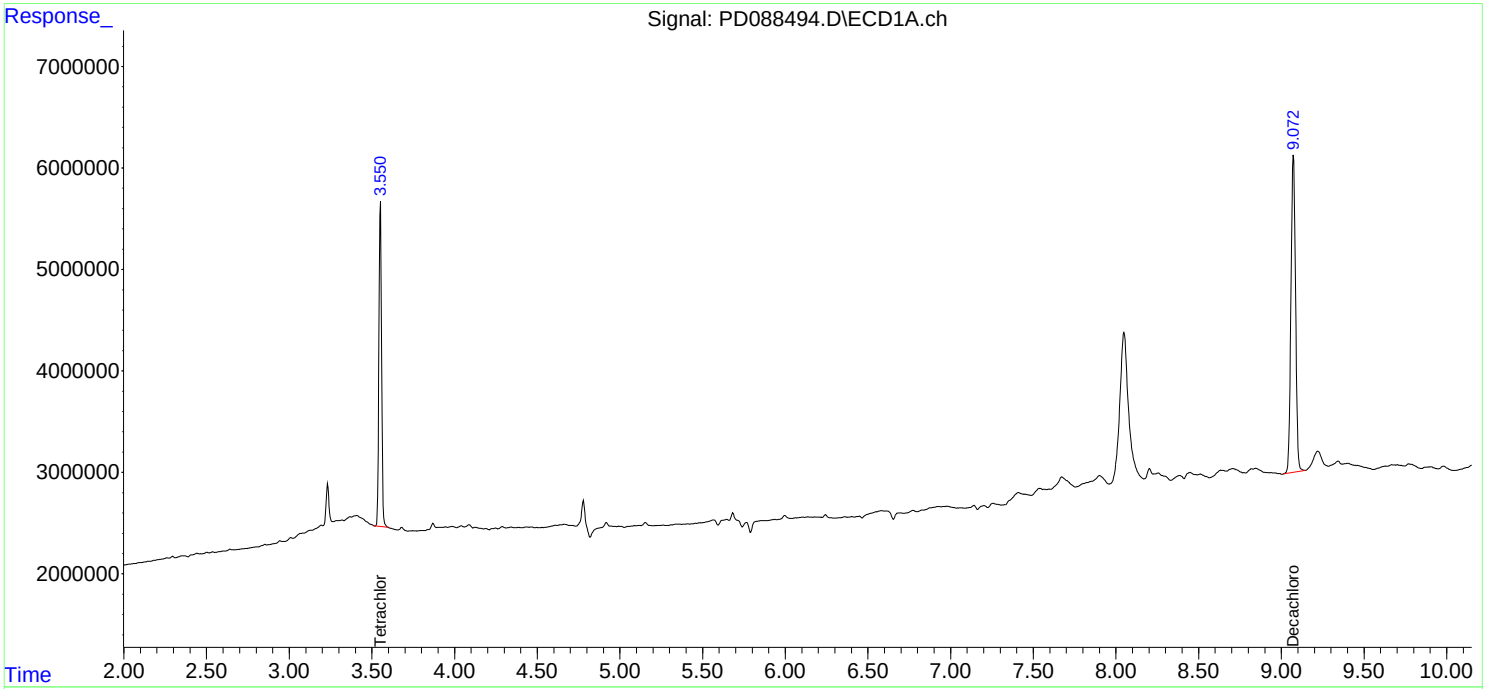
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

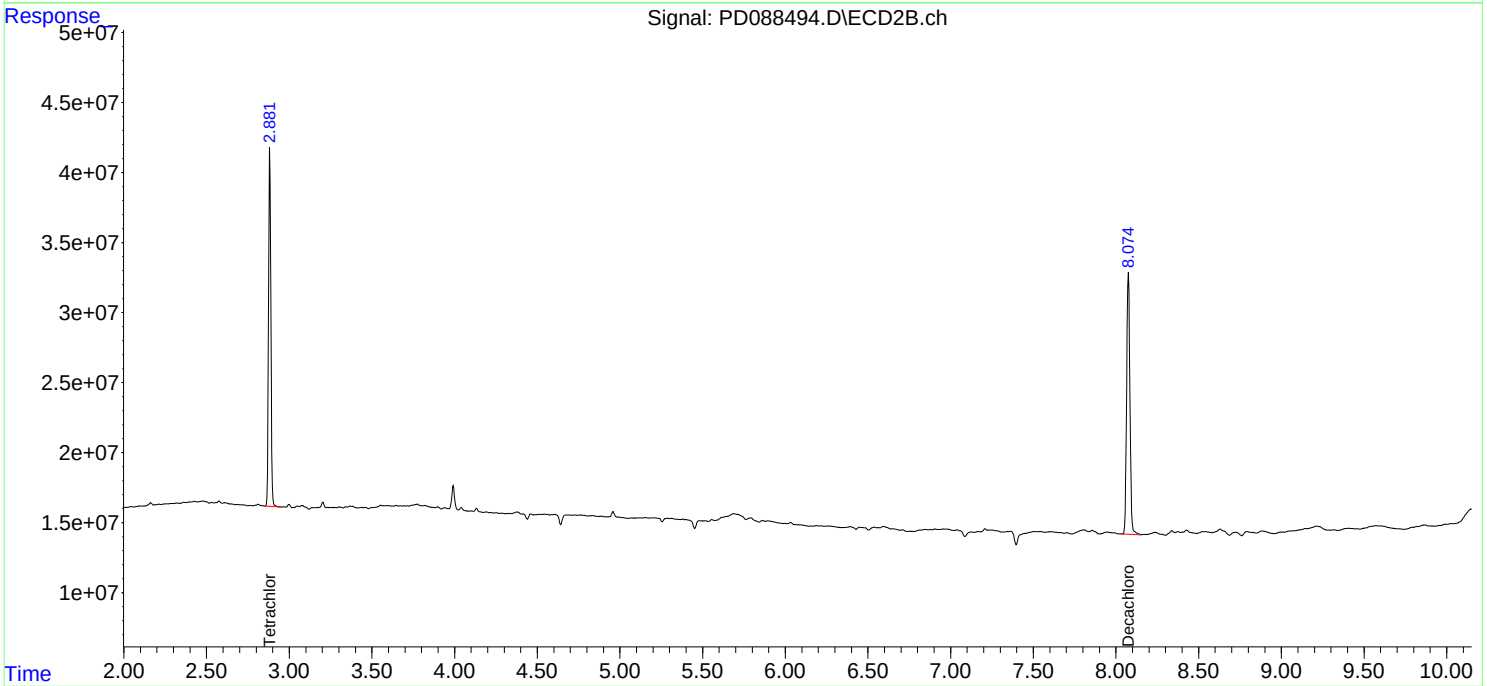
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 21:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

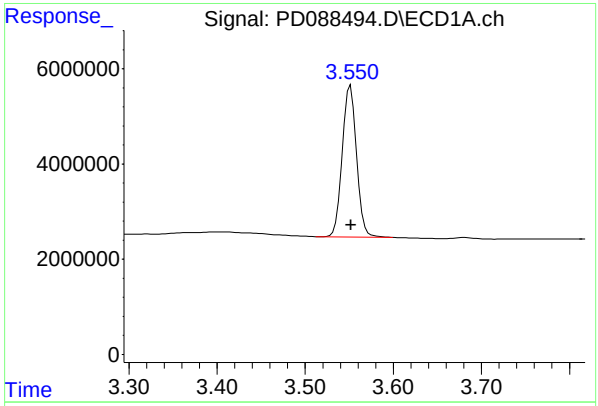
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:29:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



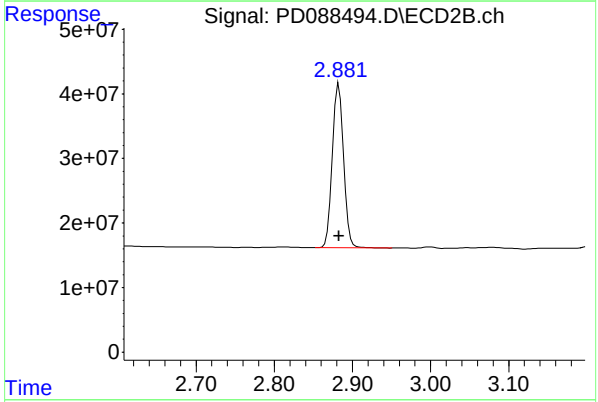




#1 Tetrachloro-m-xylene

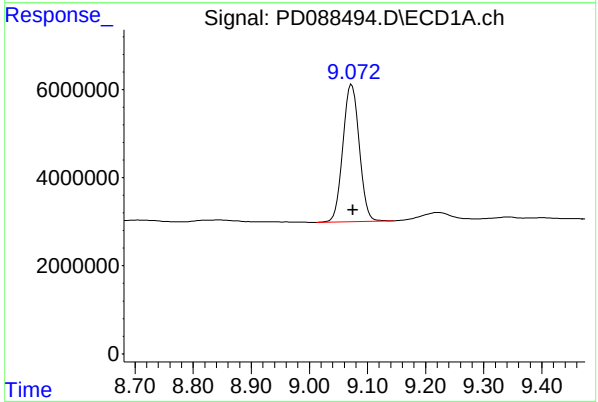
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 35873467
Conc: 17.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



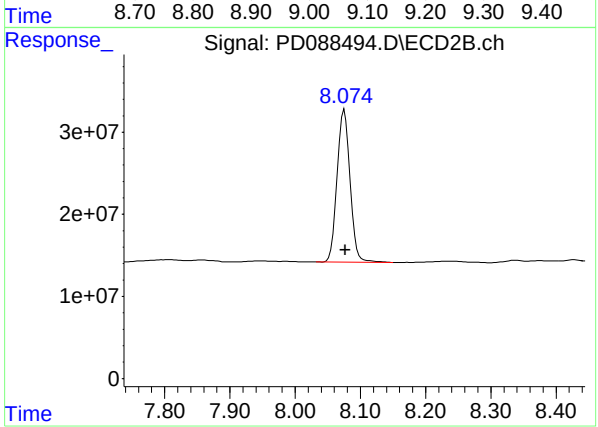
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 253606365
Conc: 17.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 60650904
Conc: 18.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 256832982
Conc: 13.90 ng/ml

Raw Data: **PD088497.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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088497.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088497.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
PD088497.D	1		05/13/25	PD051325

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	19.7		43 - 140	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		77 - 126	92%	SPK: 20

Raw Data: **PD088497.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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088497.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088497.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
PD088497.D	1		05/13/25	PD051325

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: **PD088497.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:28
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:06:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.881	36901453	257.0E6	18.475	17.575
28)	SA Decachlor...	9.074	8.074	65198097	321.4E6	19.709	17.391
	Target Compounds						

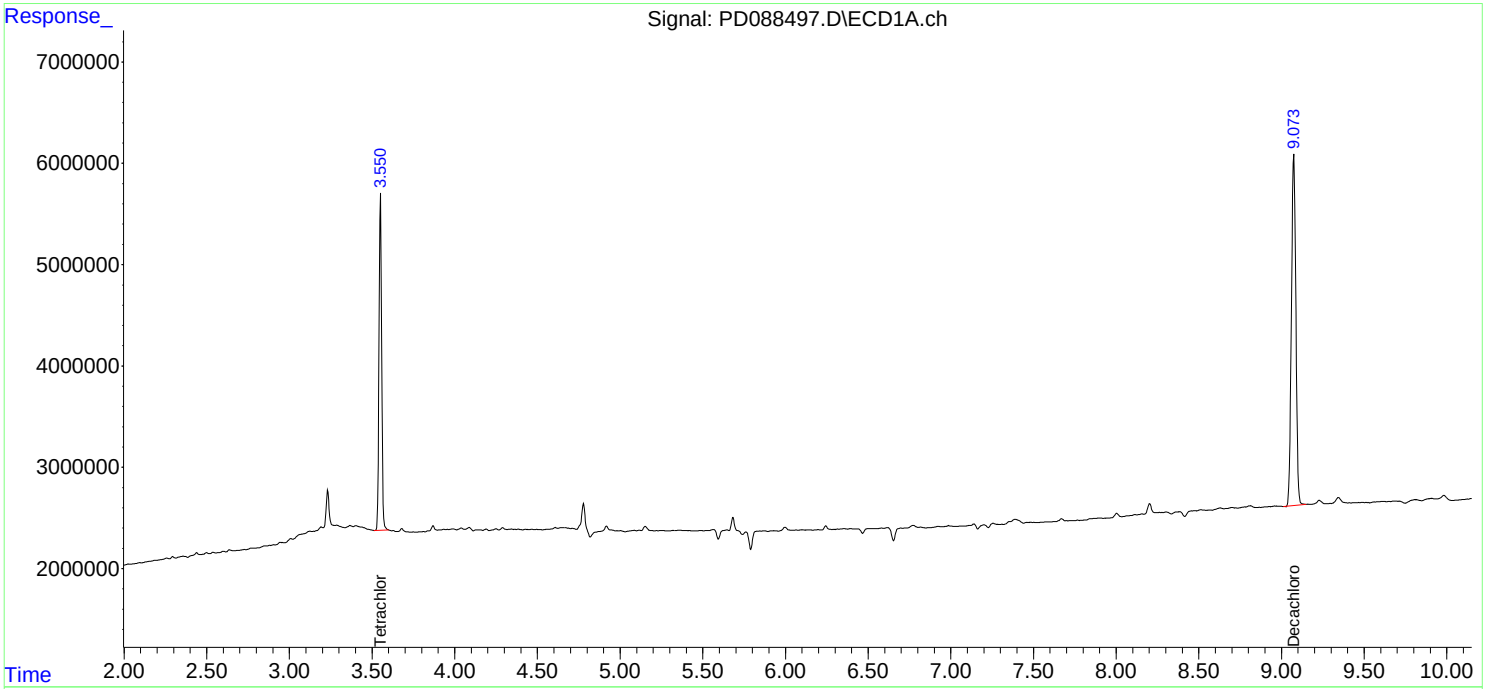
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

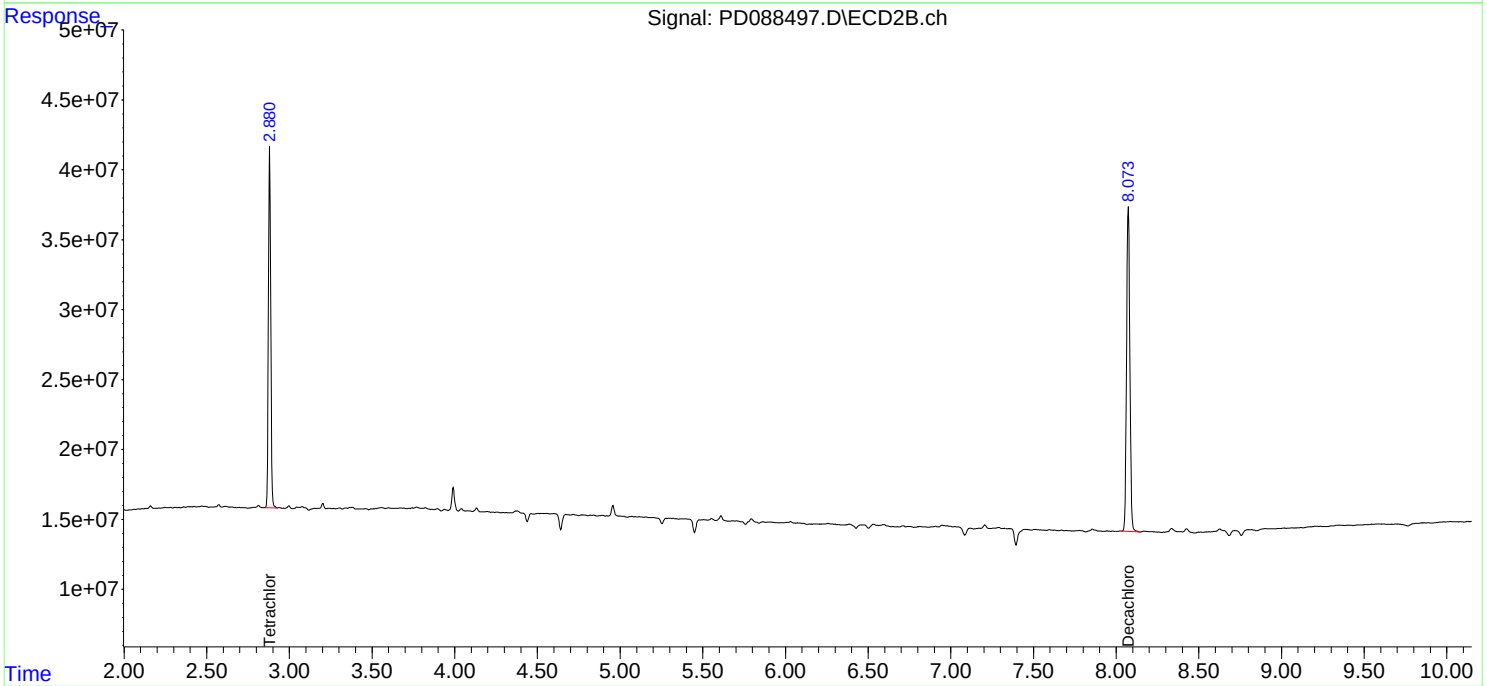
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:28
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

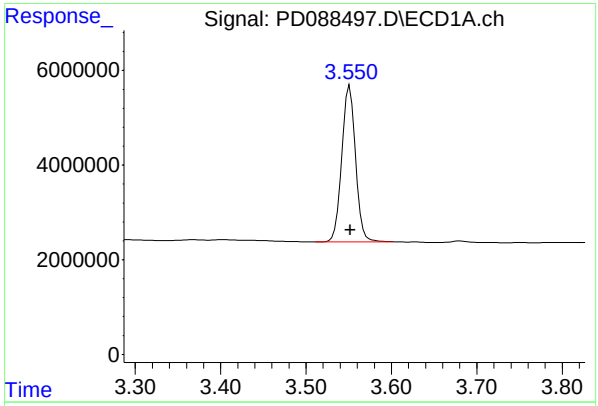
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:06:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



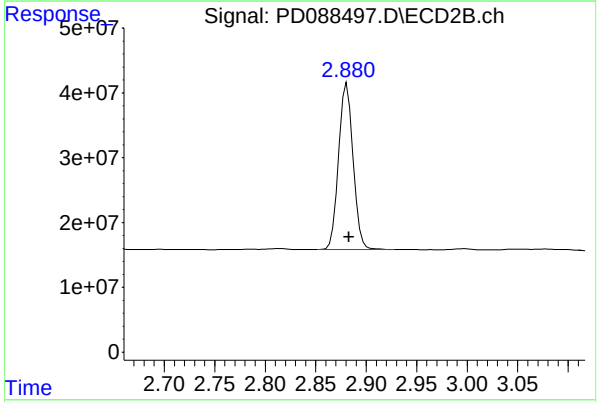




#1 Tetrachloro-m-xylene

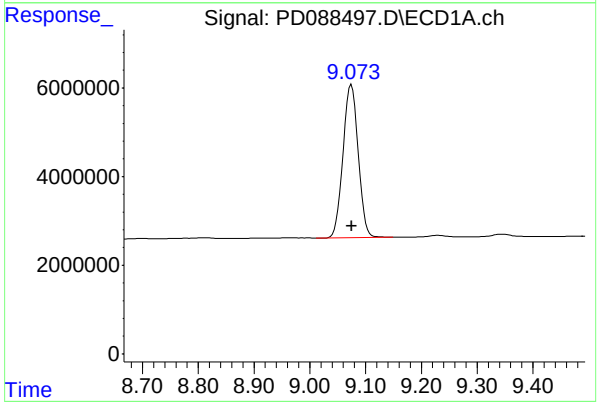
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 36901453
Conc: 18.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



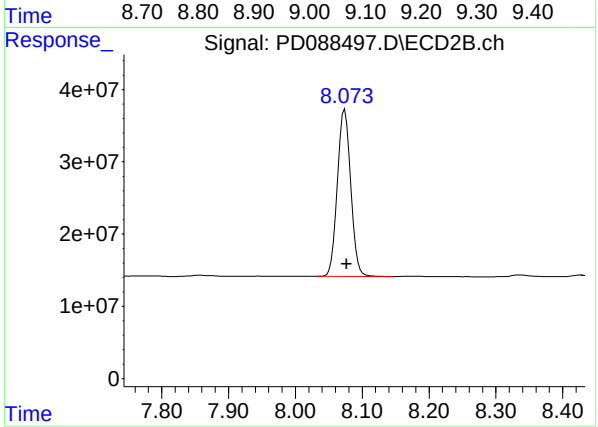
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 256973831
Conc: 17.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 65198097
Conc: 19.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 321387887
Conc: 17.39 ng/ml

Raw Data: **PD088514.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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088514.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088514.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
PD088514.D	1		05/13/25	pd051325

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	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		77 - 126	90%	SPK: 20

Raw Data: **PD088514.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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088514.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088514.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
PD088514.D	1		05/13/25	pd051325

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: **PD088514.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088514.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:18
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:41:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.882	36117016	247.6E6	18.082	16.935
28)	SA Decachlor...	9.074	8.075	61900960	290.6E6	18.712	15.727
	Target Compounds						

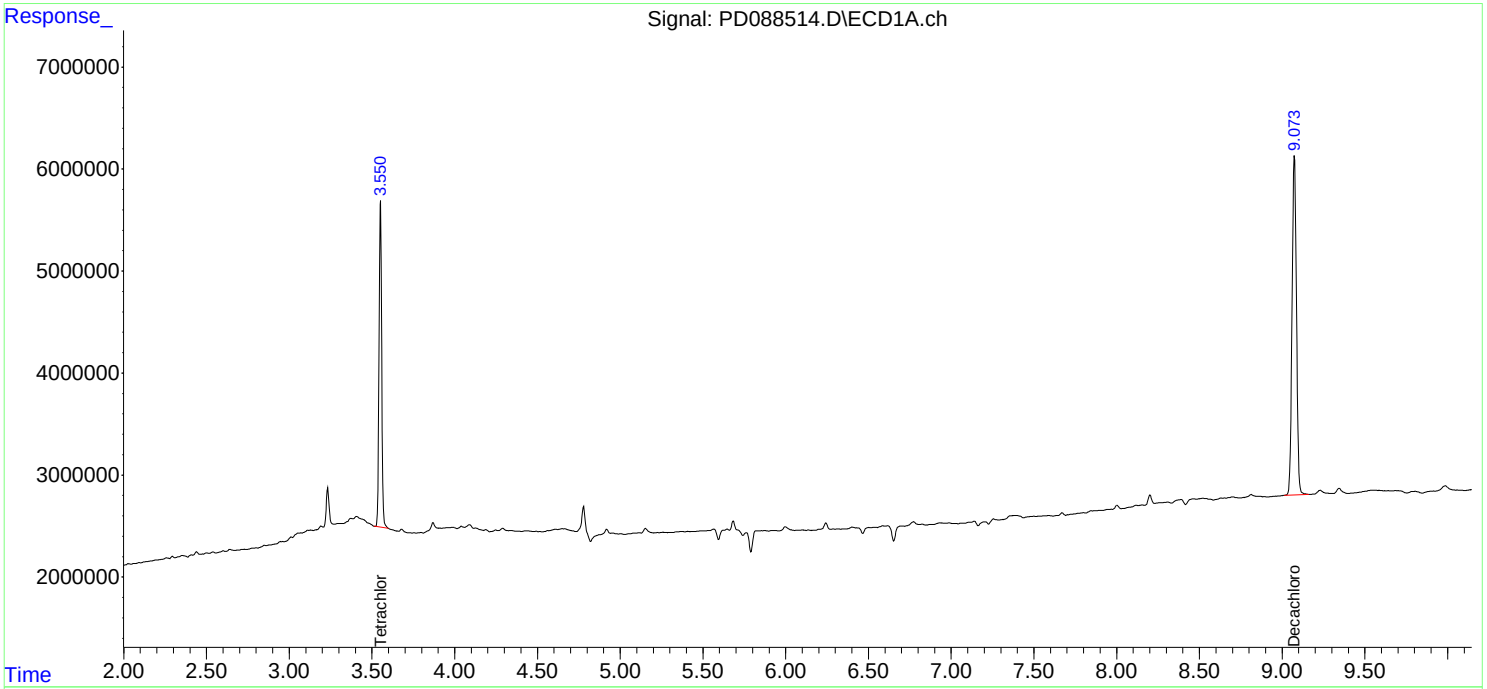
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

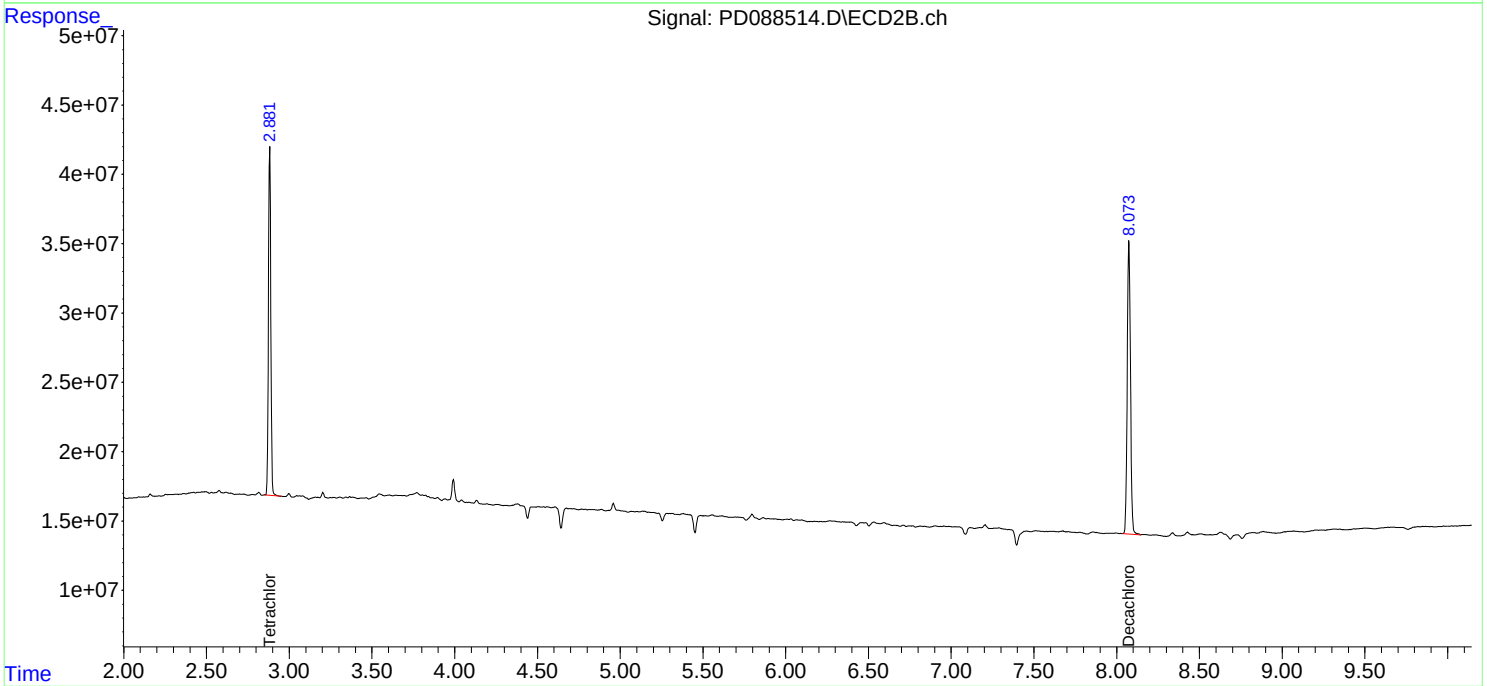
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088514.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 13:18
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

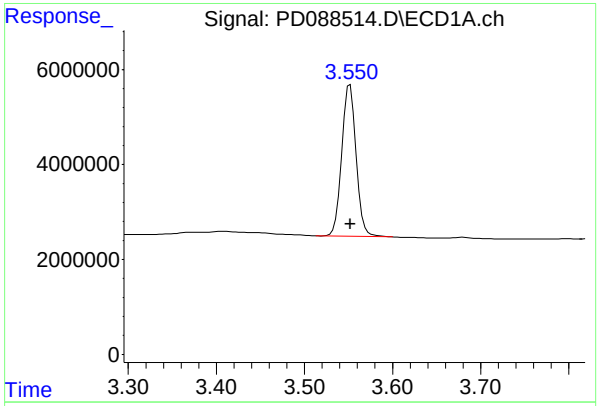
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:41:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



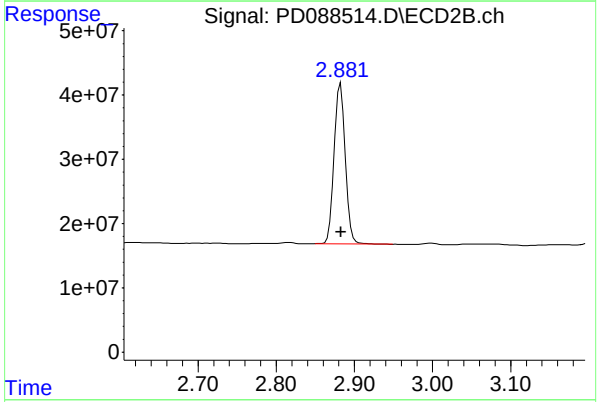




#1 Tetrachloro-m-xylene

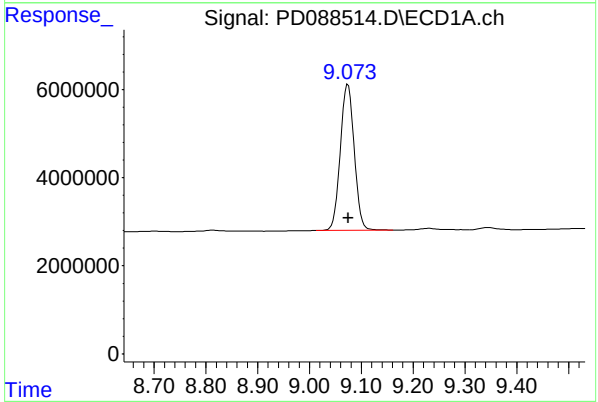
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 36117016
Conc: 18.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



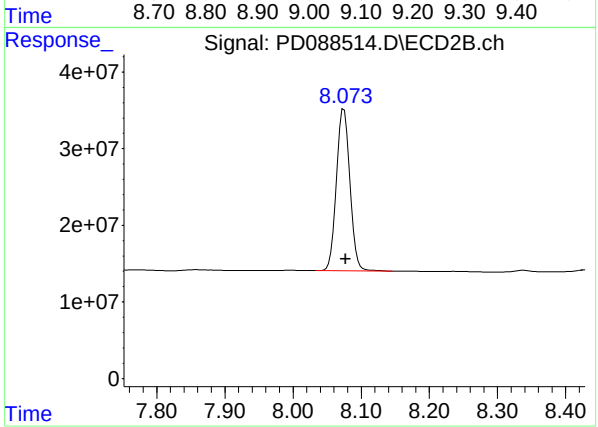
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 247611102
Conc: 16.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 61900960
Conc: 18.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 290627633
Conc: 15.73 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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088523.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088523.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
PD088523.D	1		05/13/25	pd051325

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	19.3		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		77 - 126	92%	SPK: 20

Raw Data: **PD088523.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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088523.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088523.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
PD088523.D	1		05/13/25	pd051325

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: **PD088523.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 16:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:43:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.557	2.882	36582668	255.6E6	18.315	17.480
28)	SA Decachlor...	9.080	8.076	63857572	320.6E6	19.303	17.348
	Target Compounds						

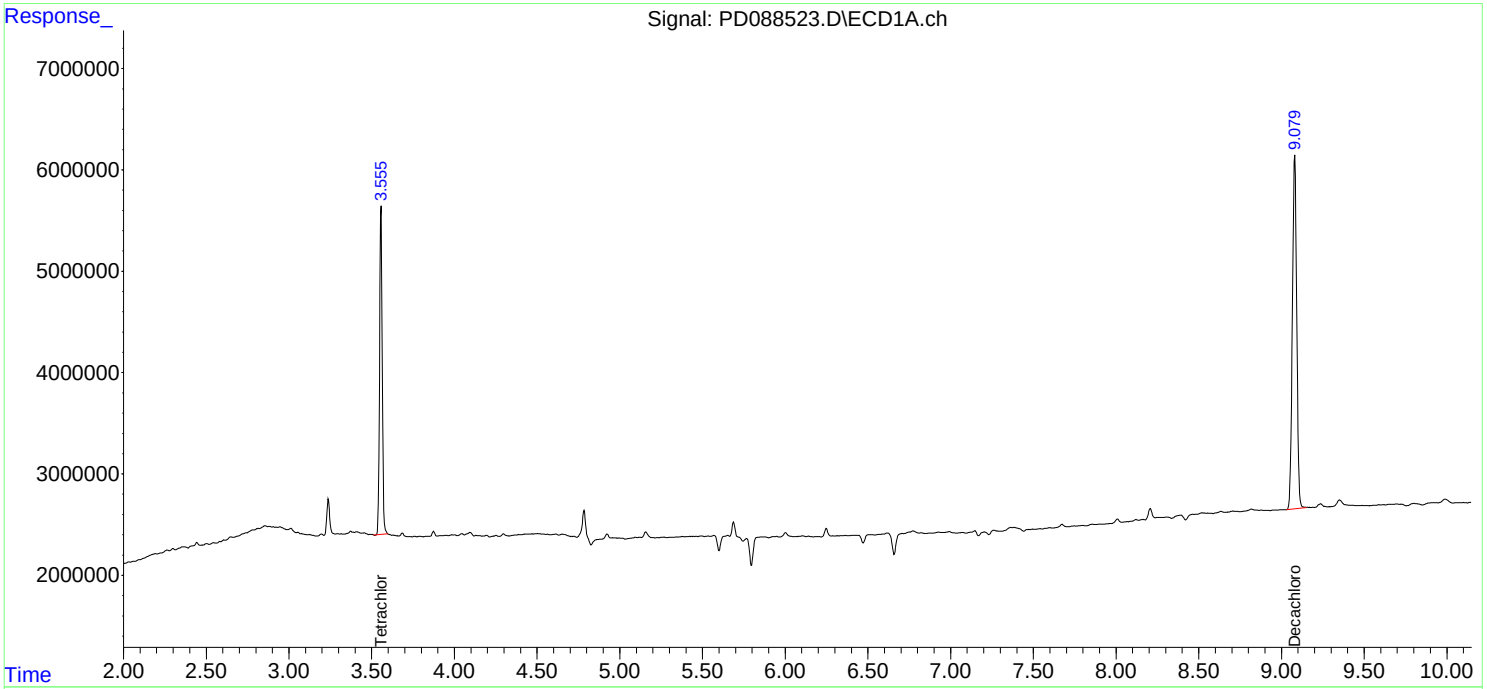
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

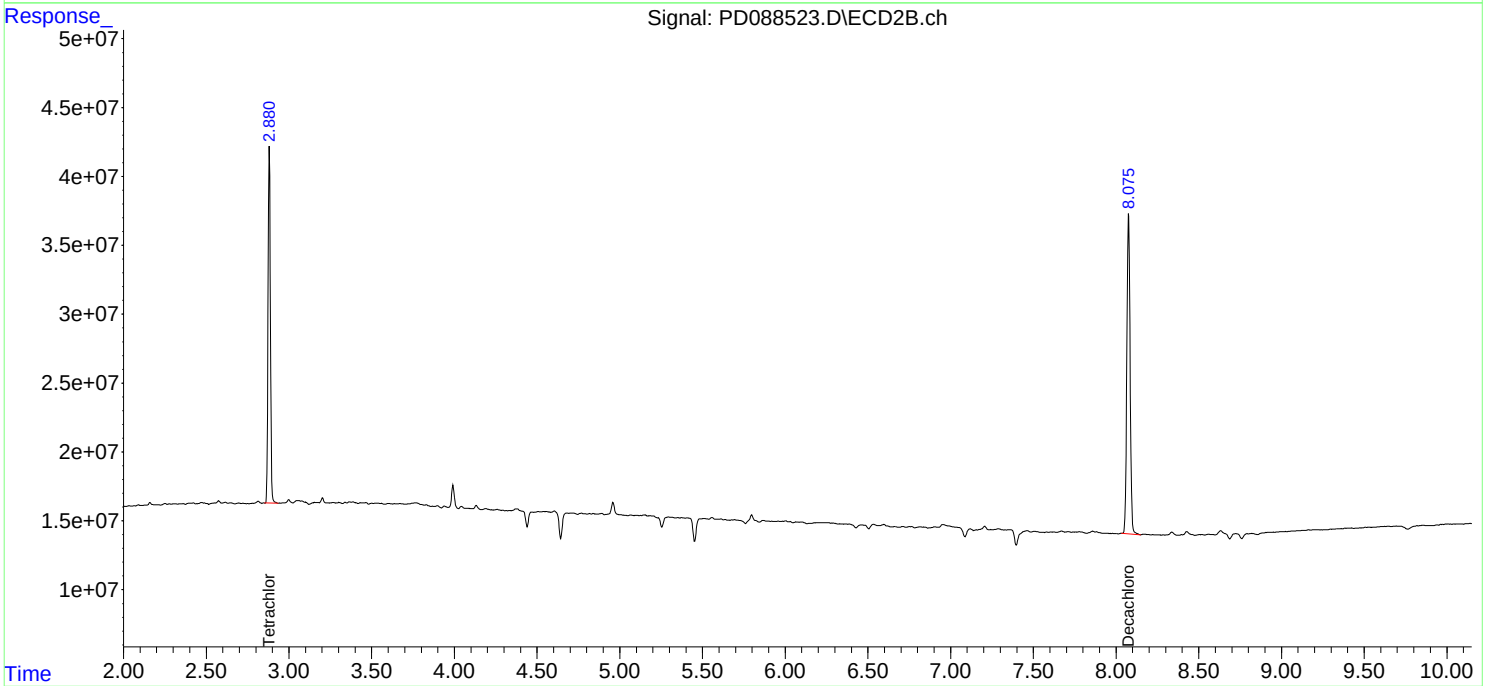
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 16:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

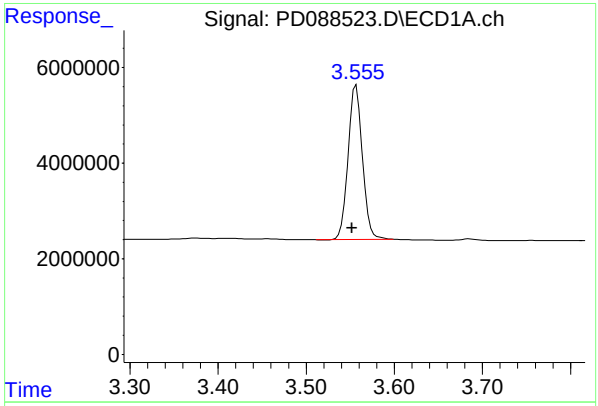
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:43:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



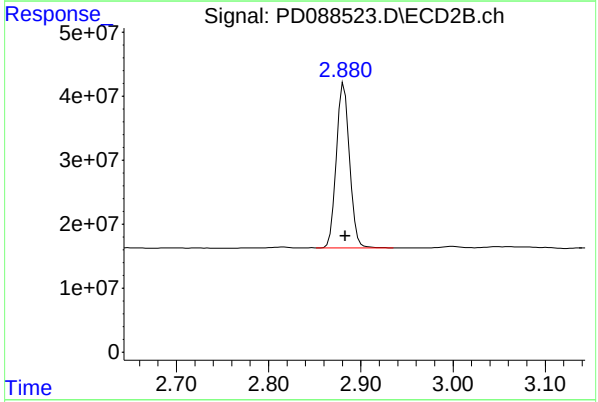




#1 Tetrachloro-m-xylene

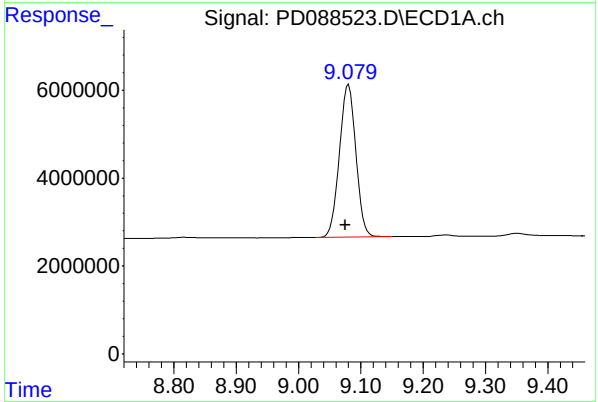
R.T.: 3.557 min
Delta R.T.: 0.005 min
Response: 36582668
Conc: 18.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



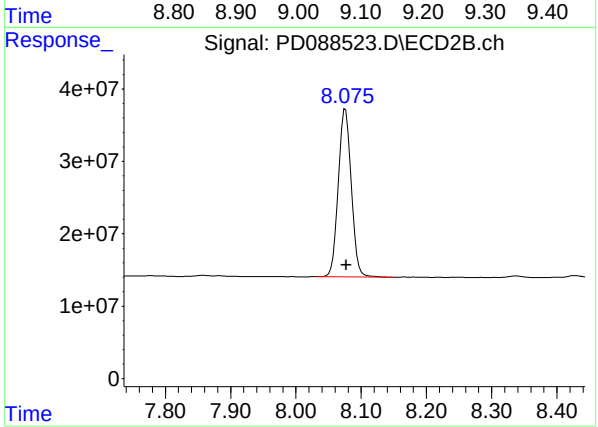
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 255584809
Conc: 17.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.005 min
Response: 63857572
Conc: 19.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 320591963
Conc: 17.35 ng/ml

Raw Data: **PD088535.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:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088535.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088535.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
PD088535.D	1		05/13/25	pd051325

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	18.0		43 - 140	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		77 - 126	87%	SPK: 20

Raw Data: **PD088535.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088535.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088535.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
PD088535.D	1		05/13/25	pd051325

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: **PD088535.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088535.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 19:18
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:47:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.882	34831627	239.4E6	17.439	16.372
28)	SA Decachlor...	9.074	8.074	59657858	274.2E6	18.034	14.838
	Target Compounds						

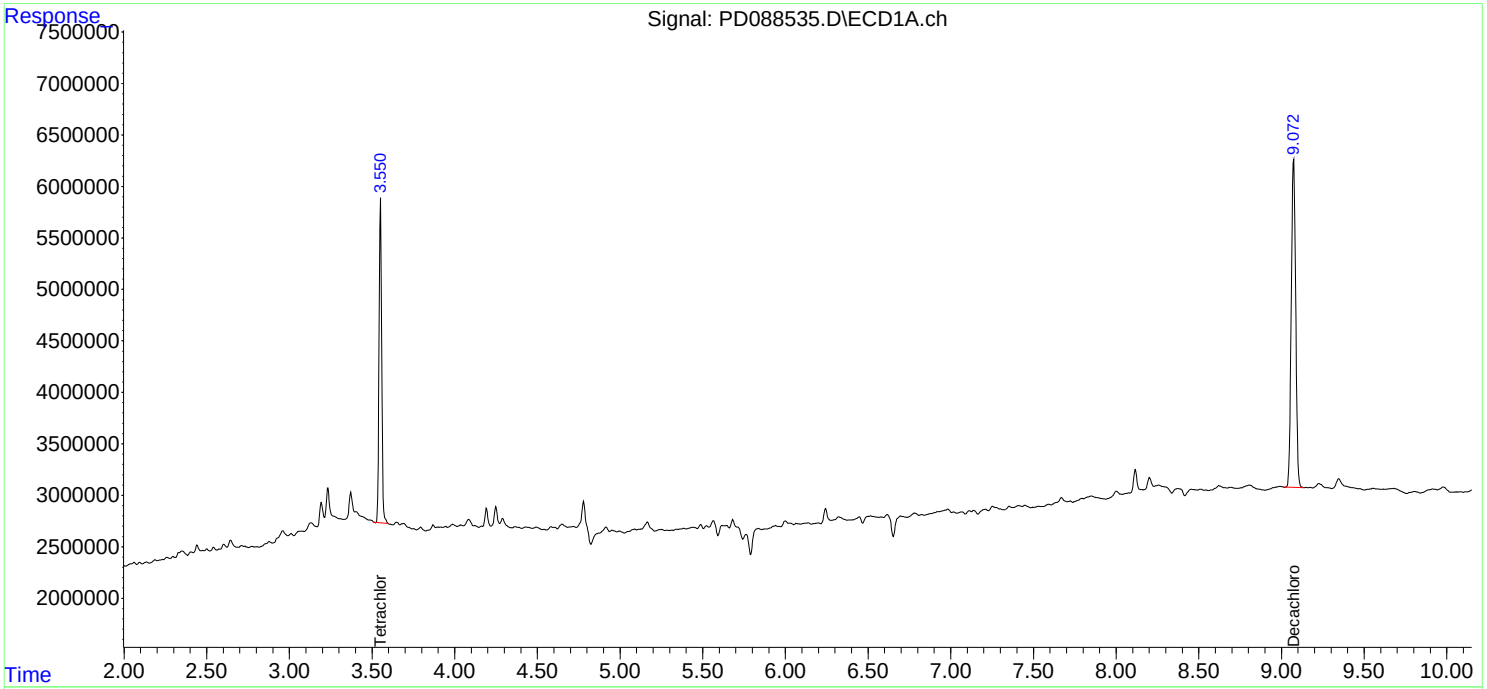
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

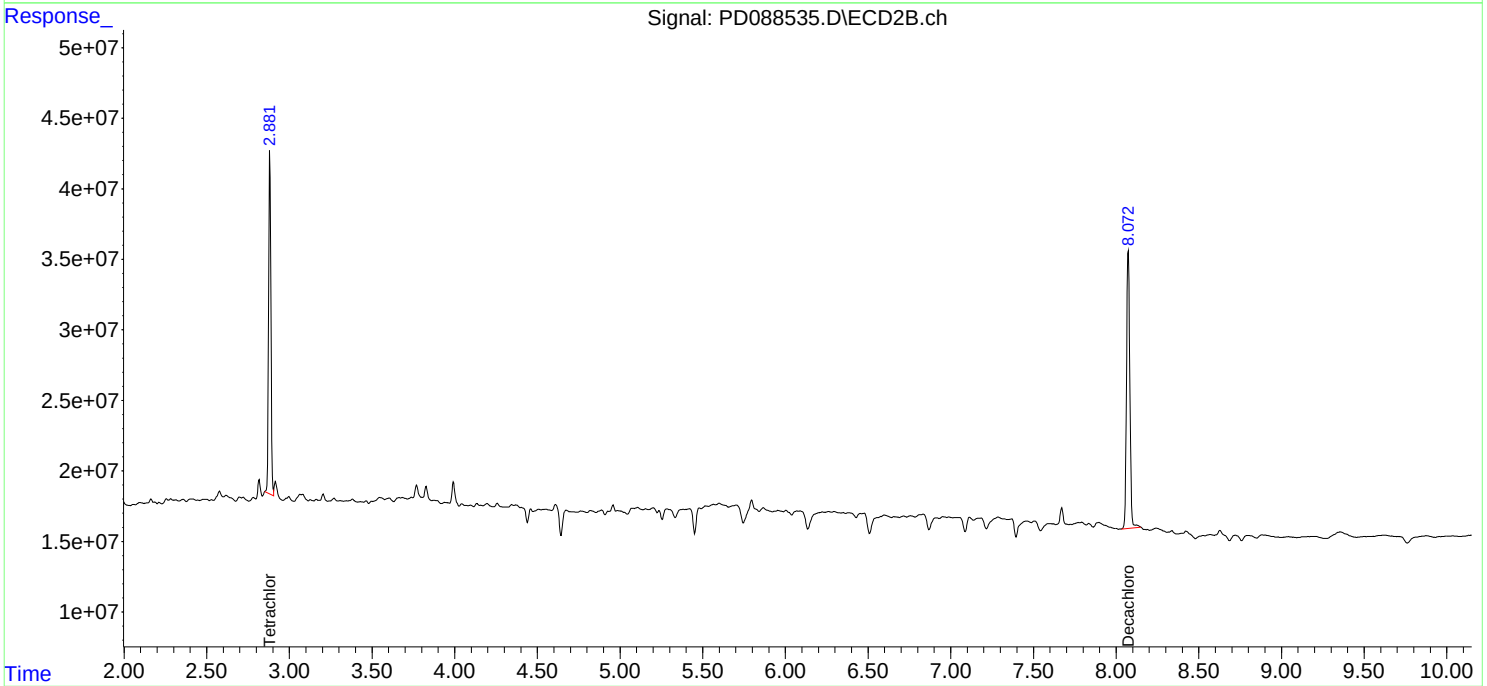
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088535.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 19:18
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

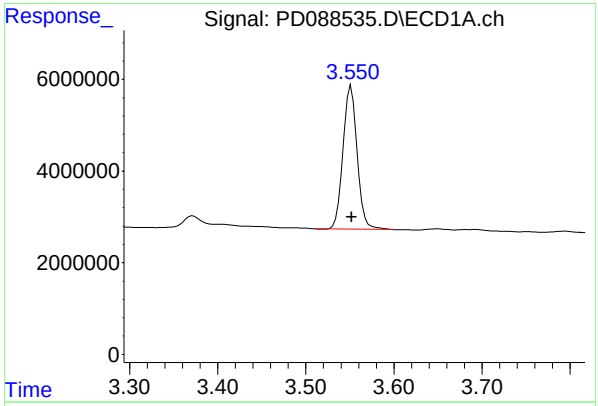
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:47:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



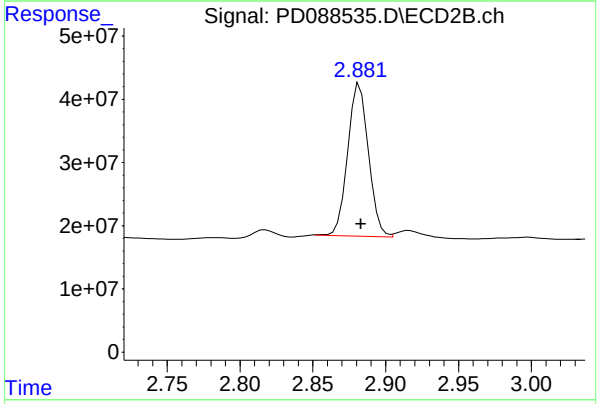




#1 Tetrachloro-m-xylene

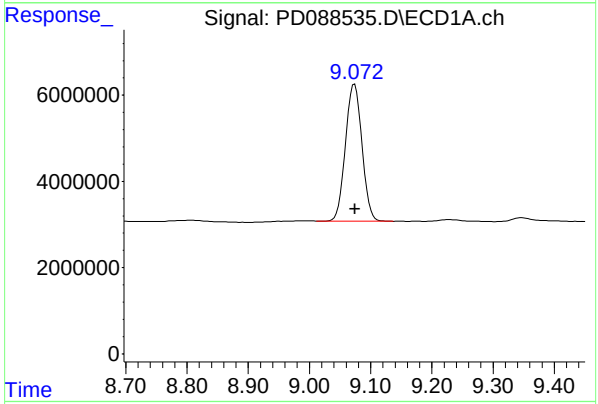
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 34831627
Conc: 17.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



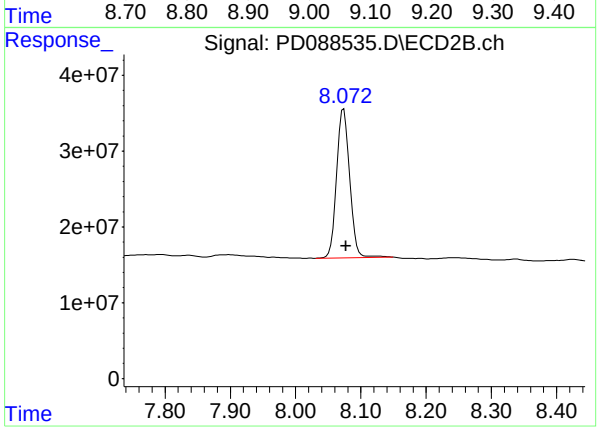
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 239390536
Conc: 16.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 59657858
Conc: 18.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 274193308
Conc: 14.84 ng/ml

Raw Data: **PD088551.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:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PD088551.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088551.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
PD088551.D	1		05/15/25	pd051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		77 - 126	101%	SPK: 20

Raw Data: **PD088551.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:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PD088551.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088551.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
PD088551.D	1		05/15/25	pd051525

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: **PD088551.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 08:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:16:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.882	40464877	278.8E6	20.259	19.069
28)	SA Decachlor...	9.077	8.075	69005427	344.6E6	20.859	18.646
	Target Compounds						

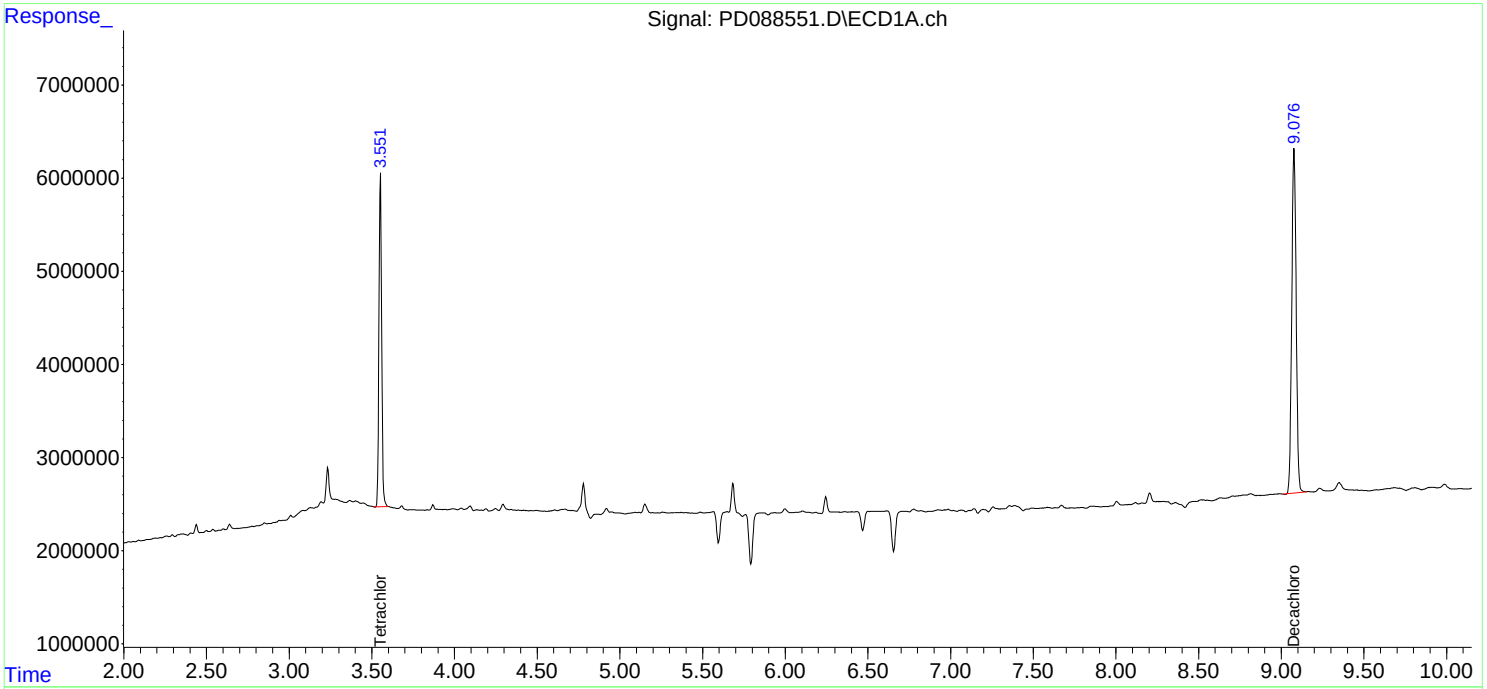
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

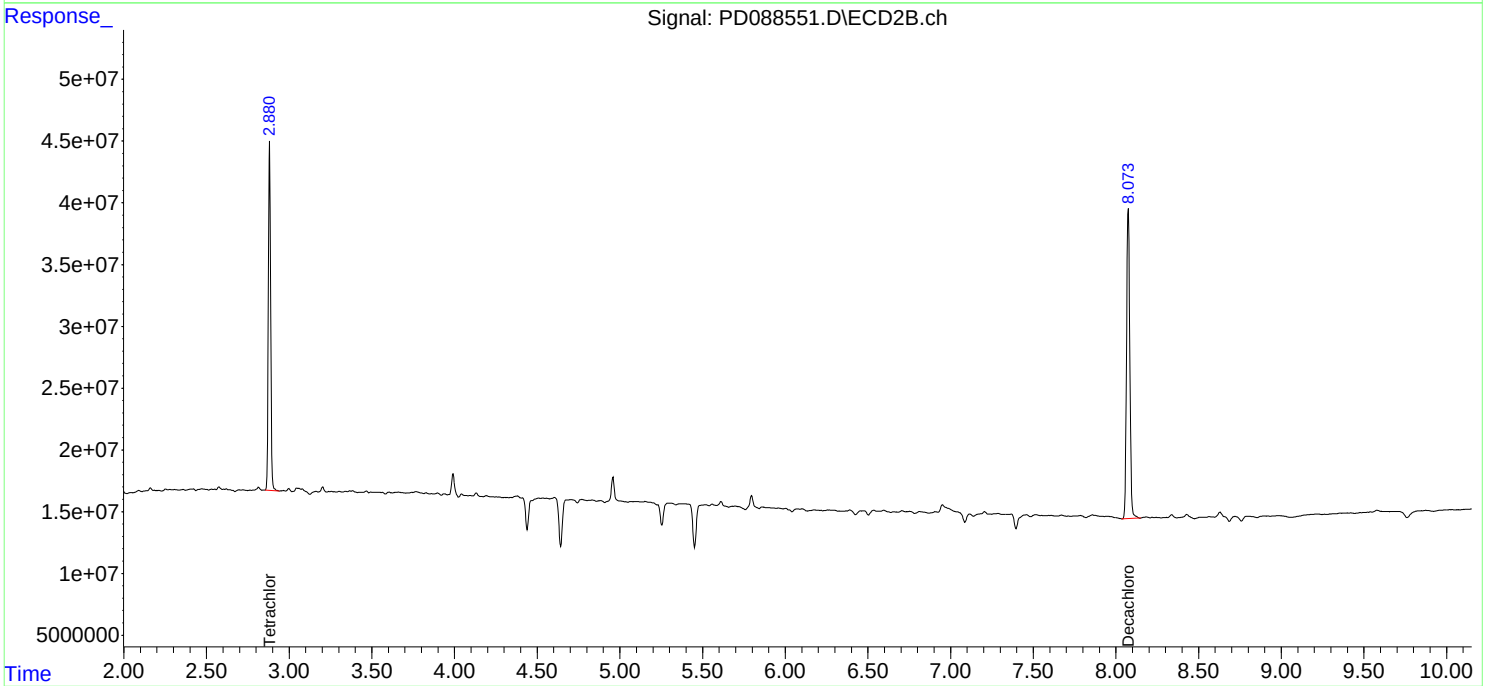
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 08:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

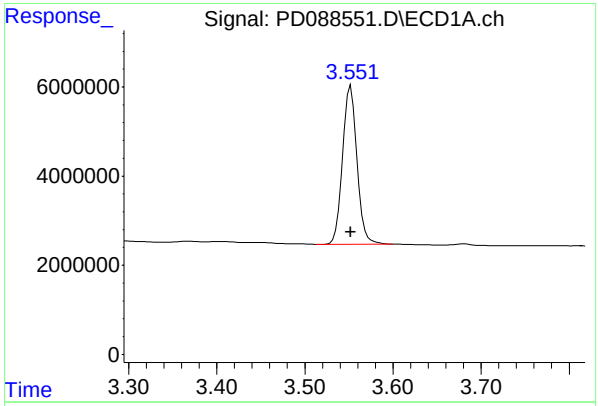
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:16:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



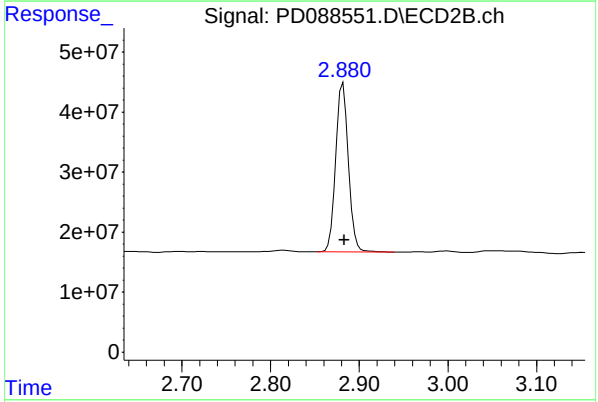




#1 Tetrachloro-m-xylene

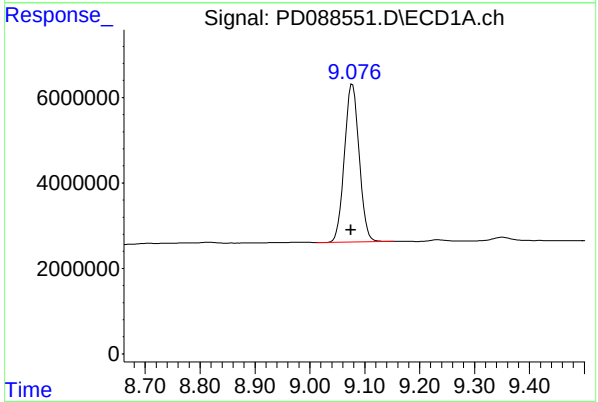
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 40464877
Conc: 20.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



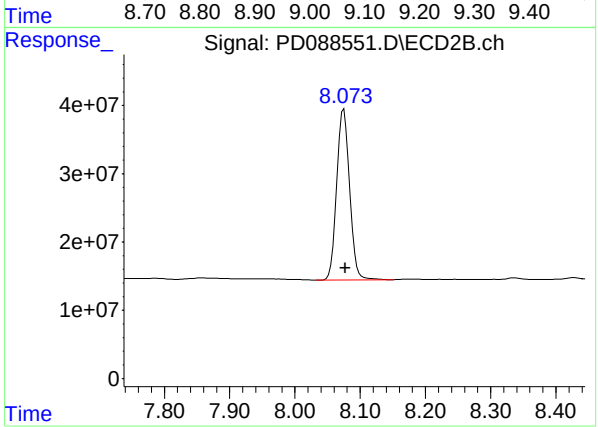
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 278826093
Conc: 19.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.003 min
Response: 69005427
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 344561883
Conc: 18.65 ng/ml

Raw Data: **PD088565.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:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PD088565.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088565.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
PD088565.D	1		05/15/25	pd051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.5		43 - 140	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		77 - 126	98%	SPK: 20

Raw Data: **PD088565.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:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PD088565.D	SDG No.:	Q1982
Lab Sample ID:	I.BLK-PD088565.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
PD088565.D	1		05/15/25	pd051525

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: **PD088565.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 14:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:19:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.552	2.883	39244944	269.4E6	19.648	18.422
28)	SA Decachlor...	9.075	8.075	50336180	285.7E6	15.216m	15.461
	Target Compounds						

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

Sample Results: **PD088565.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 14:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

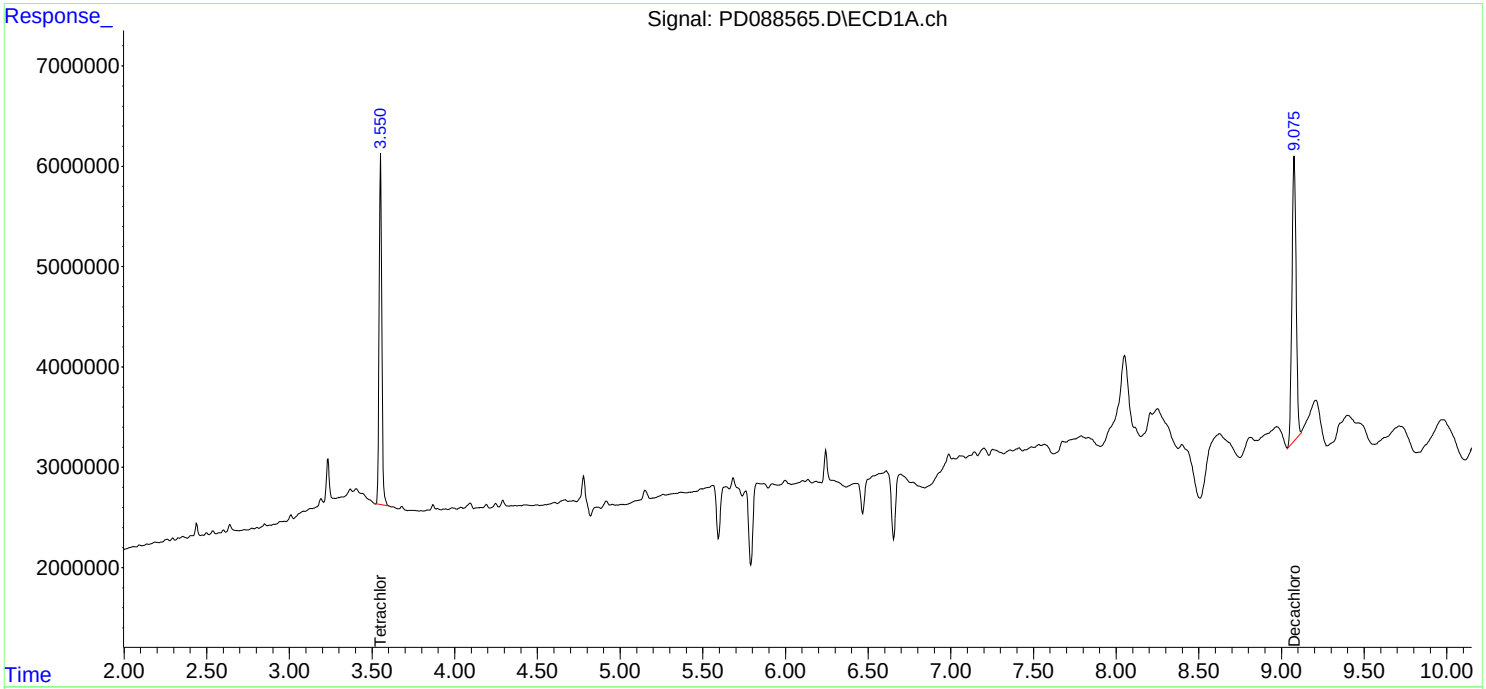
Instrument :
ECD_D
ClientSampleId :
I.BLK

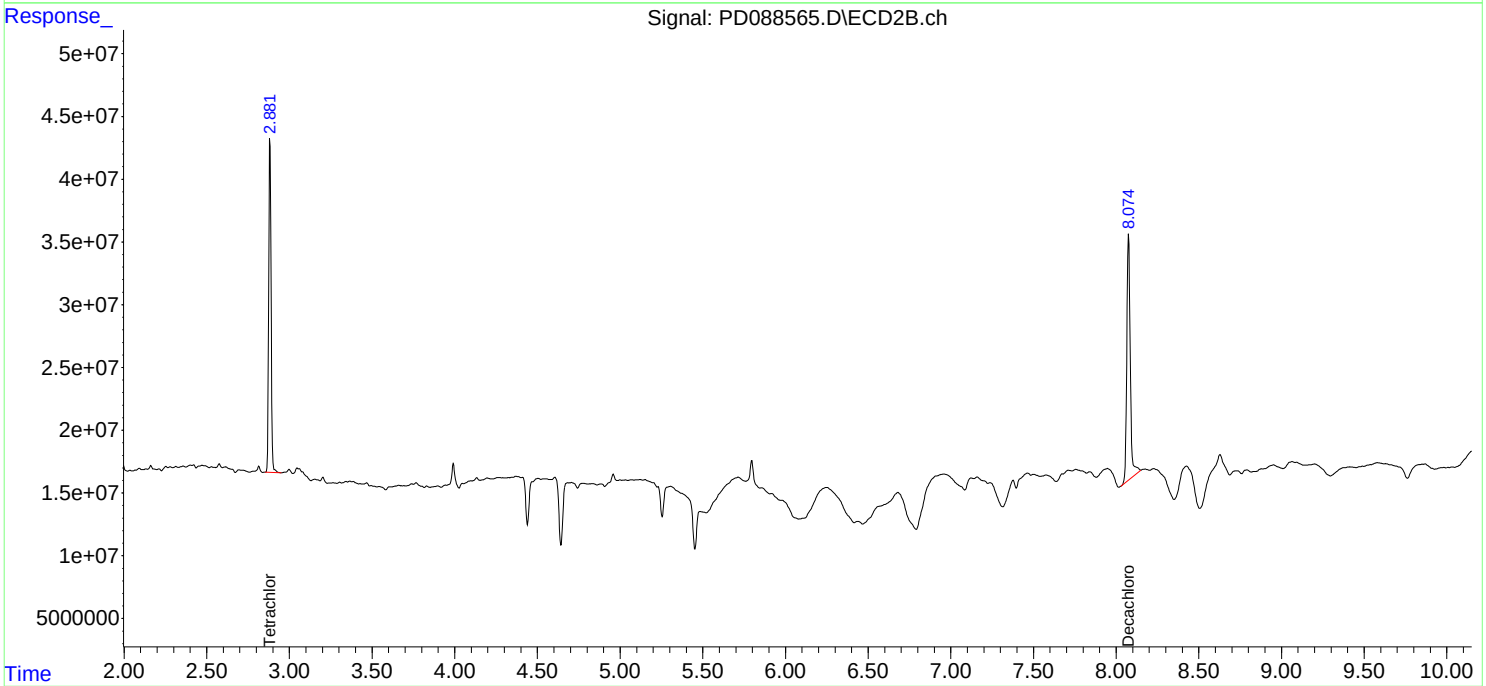
Manual Integrations APPROVED

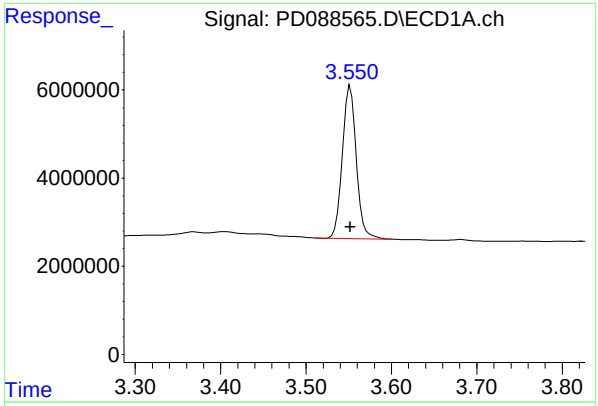
Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:19:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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







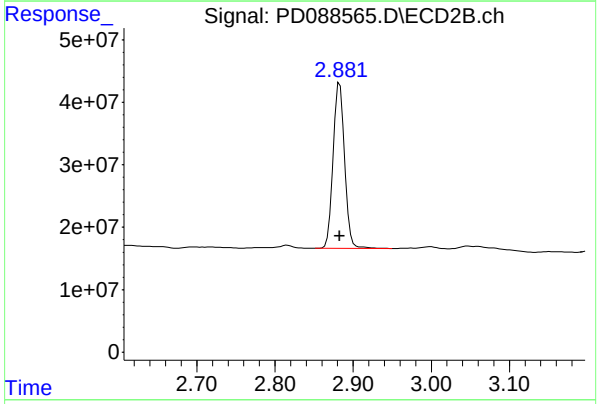
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 mi
Response: 39244944
Conc: 19.65 ng/m

Instrument :
ECD_D
ClientSampleId :
I.BLK

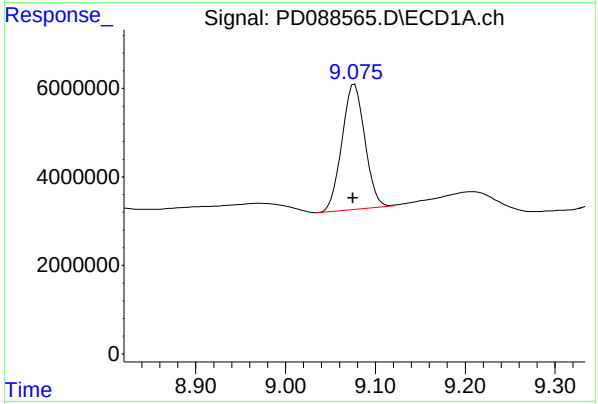
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



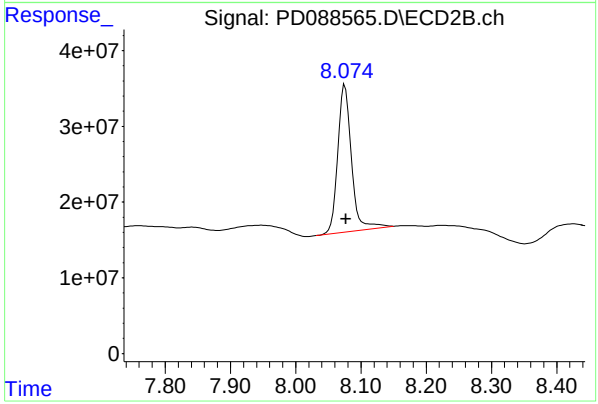
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 269360733
Conc: 18.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 50336180
Conc: 15.22 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 285708313
Conc: 15.46 ng/ml

Raw Data: **PD088466.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:	PB167950BS	SDG No.:	Q1982
Lab Sample ID:	PB167950BS	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
PD088466.D	1	05/12/25 09:05	05/12/25 15:30	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.3		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.1		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)	16.2		0.14	1.70	ug/kg
76-44-8	Heptachlor	17.0		0.12	1.70	ug/kg
309-00-2	Aldrin	16.8		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.8		0.19	1.70	ug/kg
959-98-8	Endosulfan I	17.1		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.8		0.14	1.70	ug/kg
72-20-8	Endrin	17.1		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.8		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	17.2		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.4		0.14	1.70	ug/kg
72-43-5	Methoxychlor	17.0		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	17.3		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.9		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.9		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	21.6		20 - 144	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		19 - 148	96%	SPK: 20

Raw Data: **PD088466.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:	PB167950BS	SDG No.:	Q1982
Lab Sample ID:	PB167950BS	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
PD088466.D	1	05/12/25 09:05	05/12/25 15:30	PB167950

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: **PD088466.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088466.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:30
Operator : AR\AJ
Sample : PB167950BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167950BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:25:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.550	2.881	37630836	279.3E6	18.840	19.099
28)	SA	Decachlor...	9.075	8.074	71568553	356.5E6	21.634	19.292
		Target Compounds						
2)	A	alpha-BHC	4.000	3.393	211.6E6	1038.1E6	49.062	45.408
3)	MA	gamma-BHC...	4.331	3.730	203.9E6	969.0E6	48.695	44.989
4)	MA	Heptachlor	4.930	4.083	206.4E6	958.3E6	51.091	44.782
5)	MB	Aldrin	5.272	4.370	199.6E6	954.4E6	50.545	45.876
6)	B	beta-BHC	4.515	4.026	78688851	427.4E6	48.472	46.189
7)	B	delta-BHC	4.764	4.263	207.7E6	973.8E6	50.341	45.800
8)	B	Heptachlo...	5.692	4.873	180.6E6	861.4E6	50.525	45.593
9)	A	Endosulfan I	6.075	5.248	172.9E6	828.7E6	51.212	46.009
10)	B	gamma-Chl...	5.947	5.126	183.4E6	927.9E6	50.622	45.716
11)	B	alpha-Chl...	6.028	5.191	183.5E6	895.5E6	50.830	45.683
12)	B	4,4'-DDE	6.197	5.376	166.7E6	900.2E6	50.544	45.708
13)	MA	Dieldrin	6.348	5.513	185.5E6	908.5E6	51.980	45.580
14)	MA	Endrin	6.575	5.790	152.8E6	808.7E6	51.226	44.430
15)	B	Endosulfa...	6.787	6.081	157.4E6	796.2E6	50.342	45.442
16)	A	4,4'-DDD	6.706	5.930	129.5E6	747.8E6	51.475	45.638
17)	MA	4,4'-DDT	7.022	6.185	145.3E6	781.4E6	52.315	45.918
18)	B	Endrin al...	6.915	6.260	117.1E6	594.9E6	50.741	44.724
19)	B	Endosulfa...	7.150	6.483	148.9E6	771.9E6	51.768	45.051
20)	A	Methoxychlor	7.494	6.755	76451167	391.6E6	50.983	42.934
21)	B	Endrin ke...	7.631	6.992	160.6E6	850.9E6	52.046	45.491
22)		Mirex	8.115	7.186	118.8E6	657.1E6	50.572	44.336

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

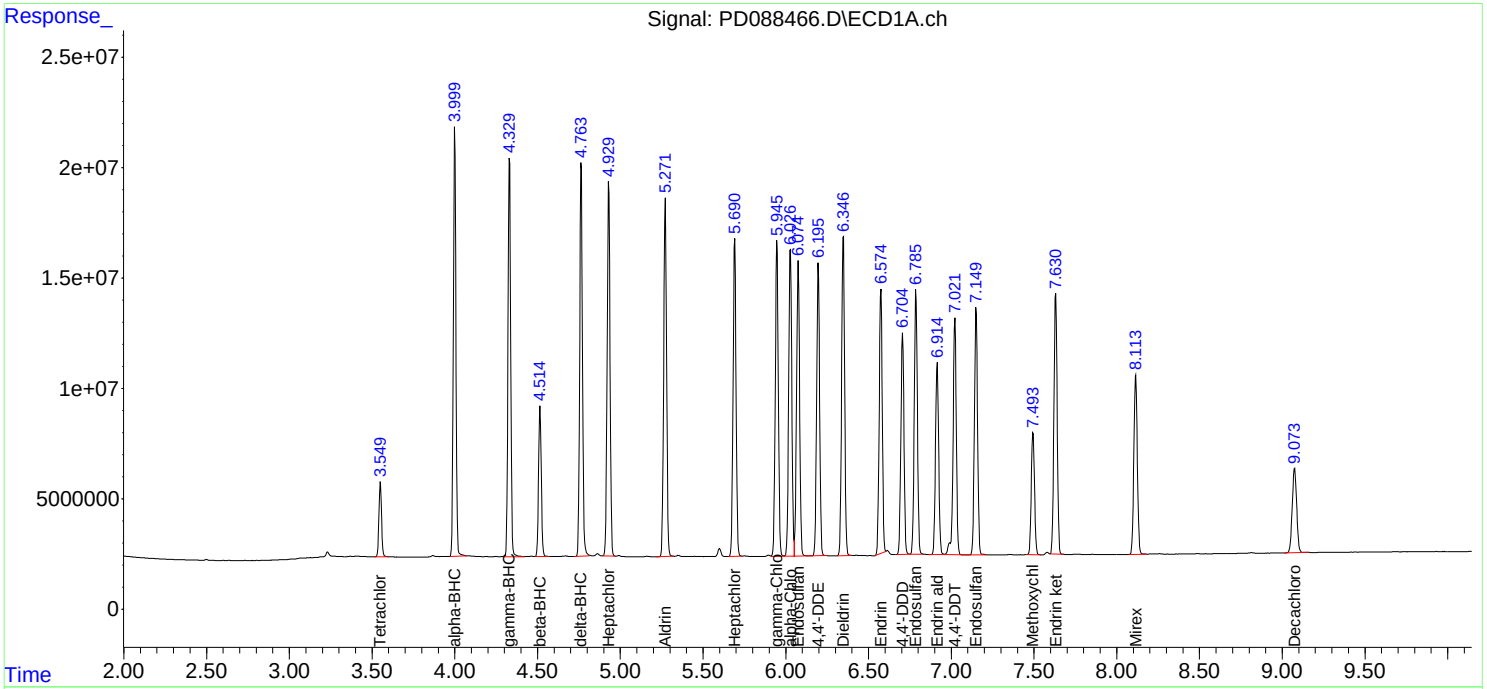
Sample Results: **PD088466.D**

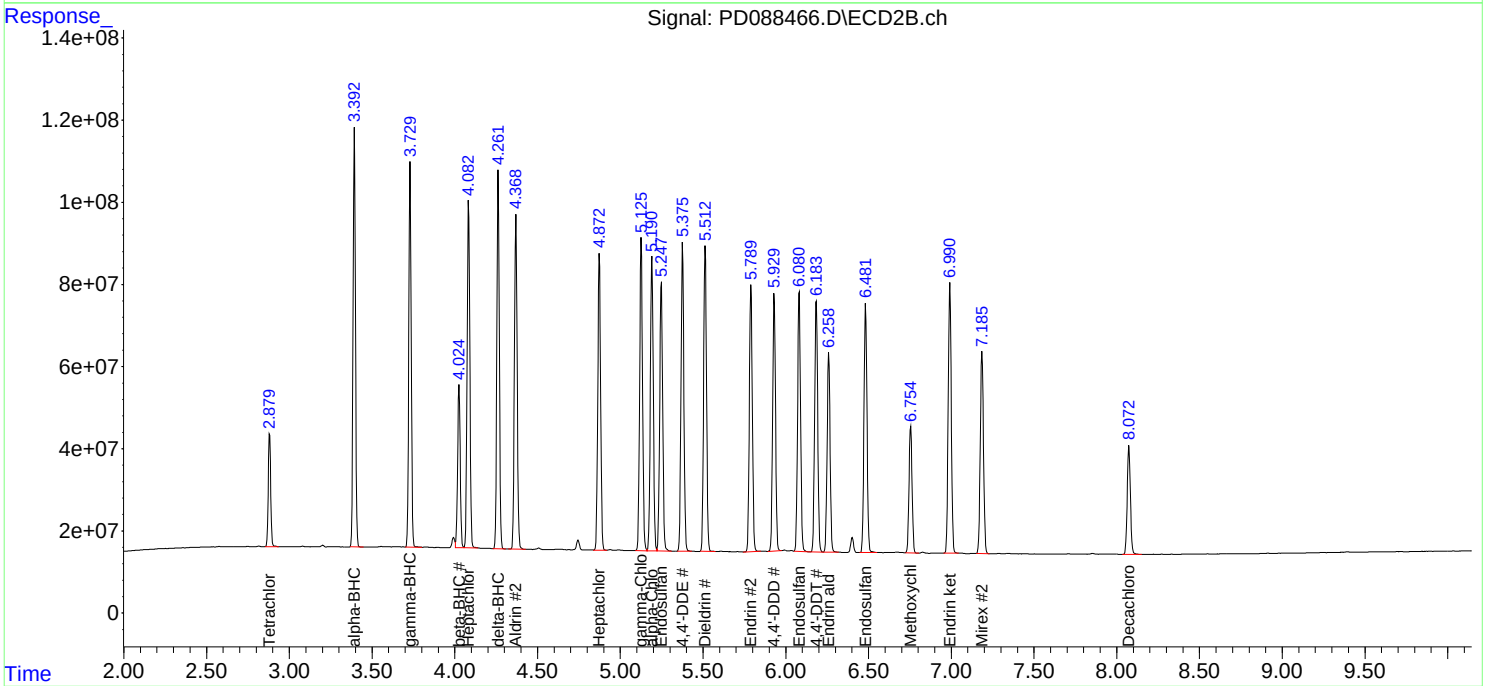
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088466.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 15:30
Operator : AR\AJ
Sample : PB167950BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167950BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:25:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088526.D**

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:	PB167959BS	SDG No.:	Q1982
Lab Sample ID:	PB167959BS	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
PD088526.D	1	05/13/25 08:30	05/13/25 17:15	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.7		0.13	1.70	ug/kg
319-85-7	beta-BHC	17.3		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.0		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	17.5		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.0		0.12	1.70	ug/kg
309-00-2	Aldrin	18.1		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.1		0.19	1.70	ug/kg
959-98-8	Endosulfan I	18.2		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.3		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.7		0.14	1.70	ug/kg
72-20-8	Endrin	17.4		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.6		0.29	1.70	ug/kg
72-54-8	4,4-DDD	18.5		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.9		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.3		0.14	1.70	ug/kg
72-43-5	Methoxychlor	16.6		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	18.0		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.8		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.1		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.1		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		20 - 144	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

Raw Data: **PD088526.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:	PB167959BS	SDG No.:	Q1982
Lab Sample ID:	PB167959BS	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
PD088526.D	1	05/13/25 08:30	05/13/25 17:15	PB167959

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: **PD088526.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088526.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:15
Operator : AR\AJ
Sample : PB167959BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167959BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.551	2.882	43148373	310.8E6	21.602	21.256
28)	SA	Decachlor...	9.074	8.074	75153695	379.7E6	22.718	20.550
		Target Compounds						
2)	A	alpha-BHC	4.001	3.395	229.8E6	1105.1E6	53.289	48.340
3)	MA	gamma-BHC...	4.332	3.731	220.7E6	1027.0E6	52.700	47.680
4)	MA	Heptachlor	4.931	4.084	218.6E6	1013.2E6	54.114	47.351
5)	MB	Aldrin	5.273	4.371	215.1E6	1013.0E6	54.450	48.696
6)	B	beta-BHC	4.516	4.027	84446365	445.7E6	52.019	48.162
7)	B	delta-BHC	4.765	4.263	223.4E6	1031.4E6	54.157	48.511
8)	B	Heptachlo...	5.692	4.875	193.8E6	906.6E6	54.239	47.983
9)	A	Endosulfan I	6.076	5.249	184.2E6	860.7E6	54.542	47.783
10)	B	gamma-Chl...	5.947	5.128	197.3E6	974.0E6	54.469	47.992
11)	B	alpha-Chl...	6.028	5.193	196.3E6	938.5E6	54.383	47.878
12)	B	4,4'-DDE	6.197	5.377	175.6E6	949.8E6	53.233	48.226
13)	MA	Dieldrin	6.348	5.515	196.1E6	959.1E6	54.953	48.118
14)	MA	Endrin	6.575	5.791	155.5E6	844.2E6	52.120	46.380
15)	B	Endosulfa...	6.787	6.083	165.1E6	833.6E6	52.820	47.575
16)	A	4,4'-DDD	6.706	5.932	139.7E6	807.0E6	55.543	49.251
17)	MA	4,4'-DDT	7.022	6.186	144.3E6	781.6E6	51.960	45.930
18)	B	Endrin al...	6.916	6.261	123.4E6	629.4E6	53.469	47.321
19)	B	Endosulfa...	7.150	6.484	154.7E6	807.7E6	53.783	47.145
20)	A	Methoxychlor	7.494	6.757	74867705	410.8E6	49.927	45.034
21)	B	Endrin ke...	7.631	6.993	166.6E6	889.9E6	53.961	47.580
22)		Mirex	8.115	7.187	120.2E6	664.7E6	51.191	44.849

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

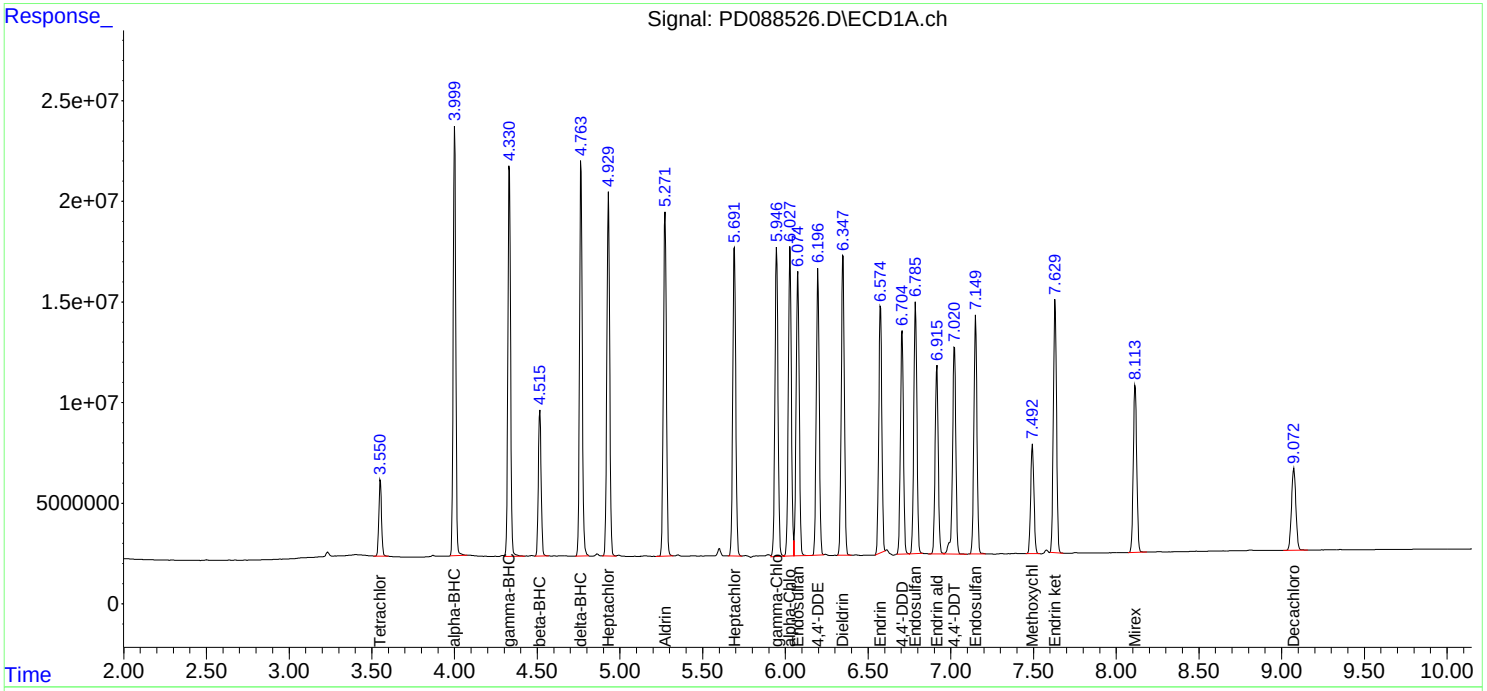
Sample Results: **PD088526.D**

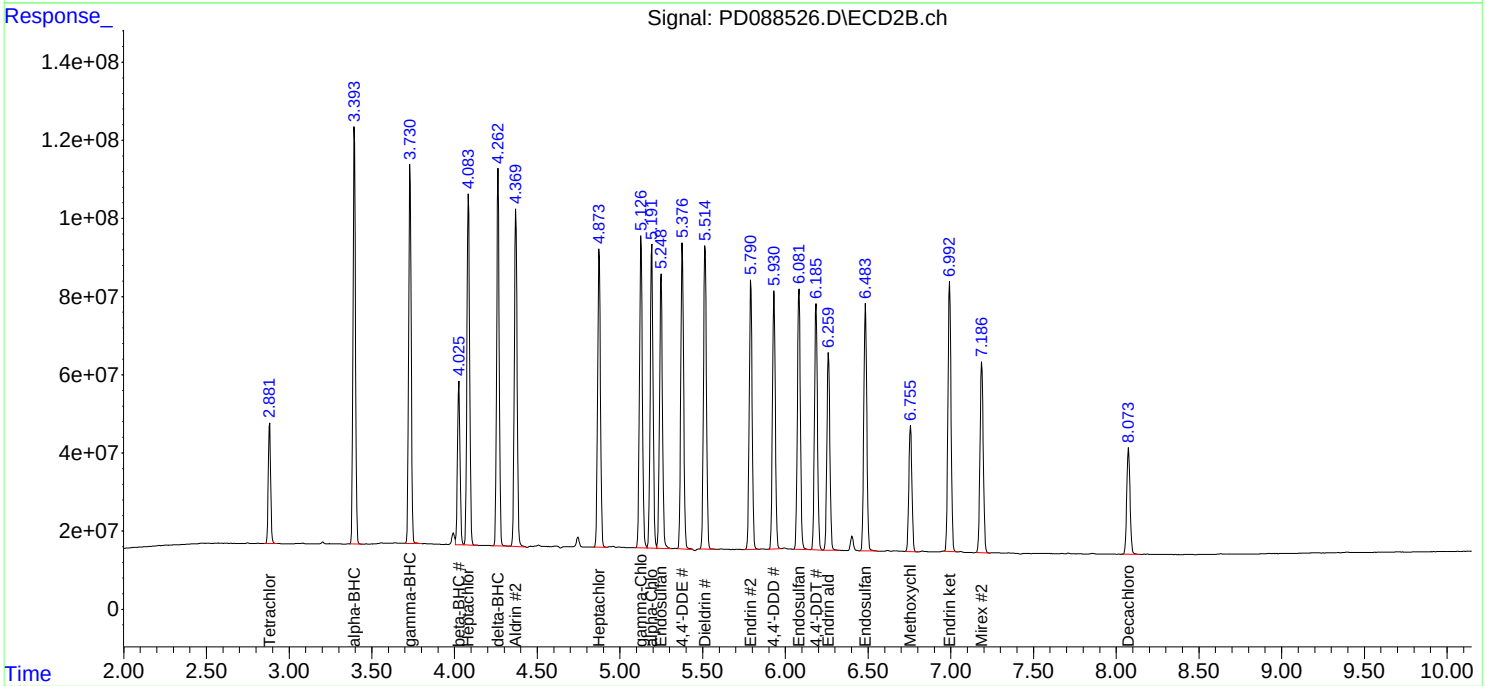
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088526.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 17:15
Operator : AR\AJ
Sample : PB167959BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167959BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:44:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088486.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1MS	SDG No.:	Q1982
Lab Sample ID:	Q1982-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088486.D	1	05/12/25 09:05	05/12/25 20:03	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	21.2		0.16	2.10	ug/kg
319-85-7	beta-BHC	20.6		0.22	2.10	ug/kg
319-86-8	delta-BHC	22.8		0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	21.2		0.17	2.10	ug/kg
76-44-8	Heptachlor	22.0		0.15	2.10	ug/kg
309-00-2	Aldrin	21.8		0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	21.8		0.23	2.10	ug/kg
959-98-8	Endosulfan I	21.8		0.17	2.10	ug/kg
60-57-1	Dieldrin	22.0		0.17	2.10	ug/kg
72-55-9	4,4-DDE	21.3		0.17	2.10	ug/kg
72-20-8	Endrin	21.8		0.17	2.10	ug/kg
33213-65-9	Endosulfan II	21.1		0.36	2.10	ug/kg
72-54-8	4,4-DDD	22.1		0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	21.5		0.16	2.10	ug/kg
50-29-3	4,4-DDT	22.4		0.17	2.10	ug/kg
72-43-5	Methoxychlor	21.4		0.46	2.10	ug/kg
53494-70-5	Endrin ketone	21.6		0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	21.3		0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	21.6		0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	21.3		0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		20 - 144	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		19 - 148	97%	SPK: 20

Raw Data: **PD088486.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1MS	SDG No.:	Q1982
Lab Sample ID:	Q1982-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088486.D	1	05/12/25 09:05	05/12/25 20:03	PB167950

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: **PD088486.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:03
Operator : AR\AJ
Sample : Q1982-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.551	2.882	38595849	276.4E6	19.323	18.904
28)	SA	Decachlor...	9.074	8.074	66971716	322.5E6	20.245	17.450
		Target Compounds						
2)	A	alpha-BHC	4.000	3.395	222.5E6	1065.1E6	51.593	46.589
3)	MA	gamma-BHC...	4.332	3.731	215.4E6	977.4E6	51.440	45.380
4)	MA	Heptachlor	4.931	4.085	216.2E6	972.7E6	53.527	45.455
5)	MB	Aldrin	5.273	4.371	209.6E6	975.5E6	53.070	46.894
6)	B	beta-BHC	4.517	4.027	81126137	422.1E6	49.974	45.612
7)	B	delta-BHC	4.765	4.264	228.3E6	973.8E6	55.345	45.801
8)	B	Heptachlo...	5.692	4.875	188.9E6	836.2E6	52.866	44.258
9)	A	Endosulfan I	6.076	5.249	178.6E6	808.1E6	52.883	44.861
10)	B	gamma-Chl...	5.947	5.128	187.8E6	927.5E6	51.858	45.698
11)	B	alpha-Chl...	6.028	5.193	189.3E6	887.2E6	52.448	45.257
12)	B	4,4'-DDE	6.197	5.377	170.3E6	882.2E6	51.634	44.793
13)	MA	Dieldrin	6.348	5.515	191.0E6	893.0E6	53.516	44.802
14)	MA	Endrin	6.575	5.791	158.3E6	824.7E6	53.081	45.305
15)	B	Endosulfa...	6.786	6.083	160.3E6	796.5E6	51.265	45.461
16)	A	4,4'-DDD	6.706	5.932	134.7E6	707.6E6	53.571	43.180
17)	MA	4,4'-DDT	7.022	6.186	151.0E6	785.4E6	54.372	46.156
18)	B	Endrin al...	6.916	6.261	119.5E6	590.6E6	51.761	44.406
19)	B	Endosulfa...	7.150	6.484	149.9E6	774.2E6	52.125	45.189
20)	A	Methoxychlor	7.494	6.756	77890102	404.4E6	51.942	44.340
21)	B	Endrin ke...	7.631	6.993	162.1E6	848.7E6	52.526	45.377
22)		Mirex	8.114	7.187	119.4E6	647.5E6	50.861	43.690

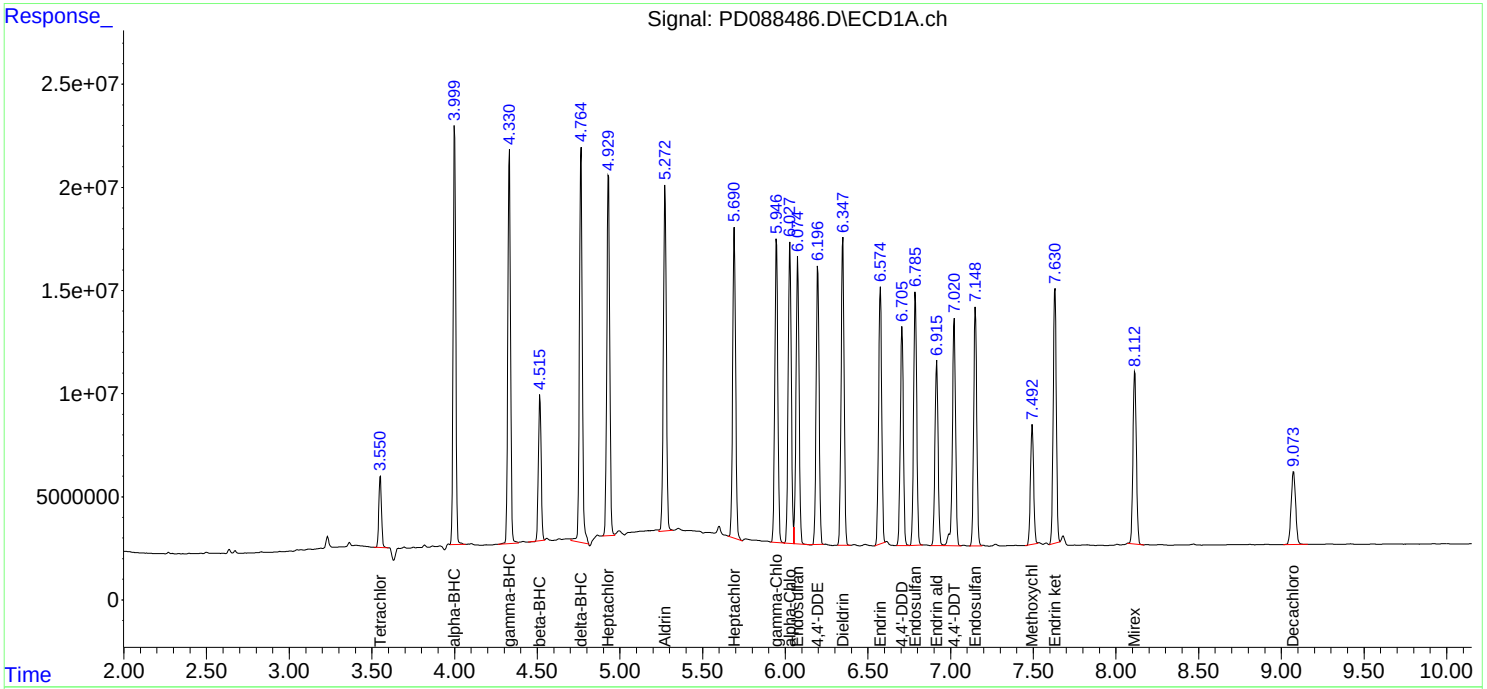
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

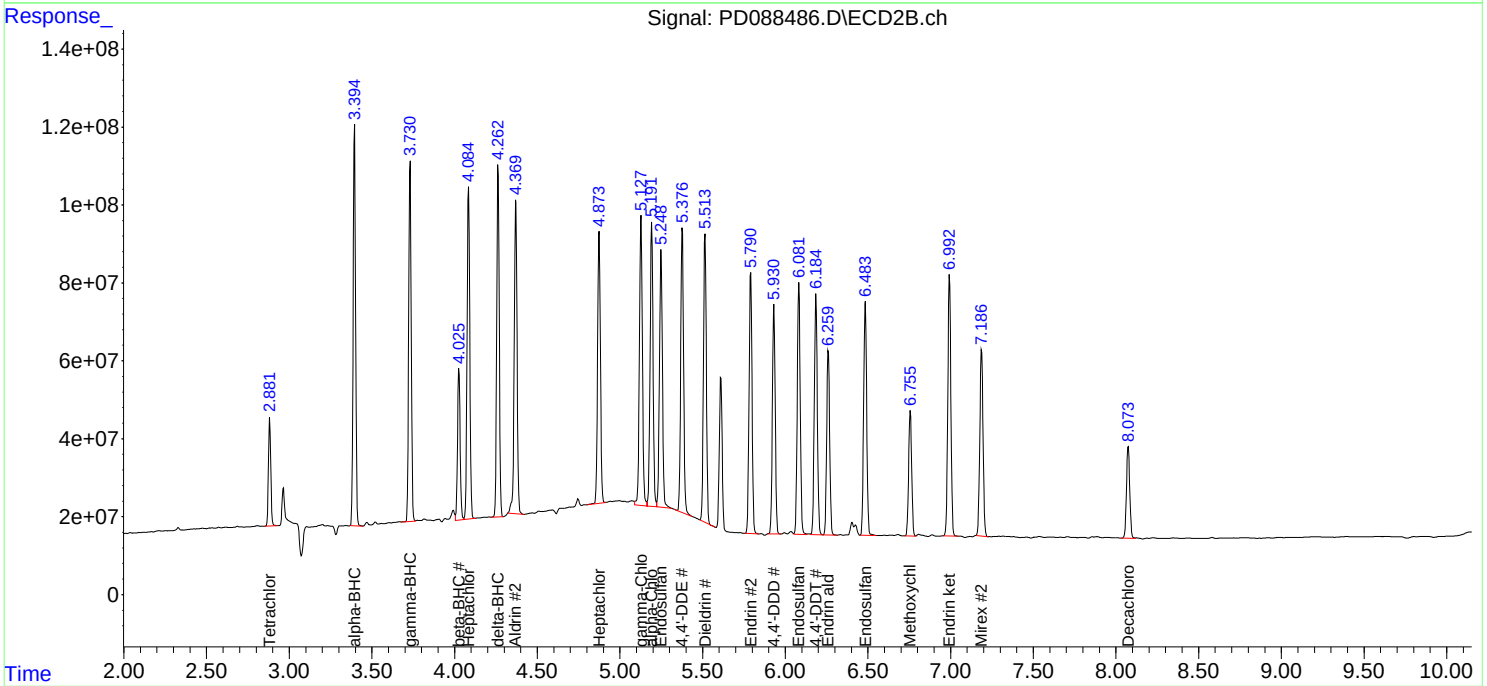
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:03
Operator : AR\AJ
Sample : Q1982-01MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088559.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725MS	SDG No.:	Q1982
Lab Sample ID:	Q1984-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.1 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
PD088559.D	1	05/13/25 08:30	05/15/25 12:52	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.7		0.14	1.80	ug/kg
319-85-7	beta-BHC	19.4		0.19	1.80	ug/kg
319-86-8	delta-BHC	19.9		0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	20.1		0.15	1.80	ug/kg
76-44-8	Heptachlor	20.4		0.13	1.80	ug/kg
309-00-2	Aldrin	20.0		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	19.8		0.20	1.80	ug/kg
959-98-8	Endosulfan I	19.8		0.15	1.80	ug/kg
60-57-1	Dieldrin	20.0		0.15	1.80	ug/kg
72-55-9	4,4-DDE	19.2		0.15	1.80	ug/kg
72-20-8	Endrin	19.6		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	19.0		0.30	1.80	ug/kg
72-54-8	4,4-DDD	20.1		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	19.2		0.14	1.80	ug/kg
50-29-3	4,4-DDT	19.3		0.15	1.80	ug/kg
72-43-5	Methoxychlor	18.6		0.39	1.80	ug/kg
53494-70-5	Endrin ketone	19.6		0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	19.5		0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	19.8		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	19.7		0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		20 - 144	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		19 - 148	105%	SPK: 20

Raw Data: **PD088559.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725MS	SDG No.:	Q1982
Lab Sample ID:	Q1984-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.1 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
PD088559.D	1	05/13/25 08:30	05/15/25 12:52	PB167959

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: **PD088559.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:52
Operator : AR\AJ
Sample : Q1984-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:17:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.552	2.882	42022681	300.2E6	21.039	20.529
28)	SA	Decachlor...	9.077	8.075	69954709	340.9E6	21.146	18.450
		Target Compounds						
2)	A	alpha-BHC	4.001	3.395	242.8E6	1145.1E6	56.302	50.090
3)	MA	gamma-BHC...	4.332	3.731	239.9E6	1044.4E6	57.288	48.490
4)	MA	Heptachlor	4.932	4.085	234.9E6	1078.0E6	58.169	50.376
5)	MB	Aldrin	5.272	4.370	226.1E6	1022.4E6	57.241m	49.150
6)	B	beta-BHC	4.517	4.025	89755012	459.5E6	55.289	49.657m
7)	B	delta-BHC	4.766	4.264	234.2E6	1055.2E6	56.765	49.630
8)	B	Heptachlo...	5.693	4.875	201.5E6	924.8E6	56.388	48.948
9)	A	Endosulfan I	6.077	5.249	191.2E6	878.2E6	56.623	48.753
10)	B	gamma-Chl...	5.948	5.128	203.8E6	994.2E6	56.261	48.985
11)	B	alpha-Chl...	6.029	5.192	203.7E6	959.2E6	56.428	48.933
12)	B	4,4'-DDE	6.198	5.377	180.9E6	956.6E6	54.862	48.572
13)	MA	Dieldrin	6.350	5.515	204.2E6	976.0E6	57.234	48.964
14)	MA	Endrin	6.577	5.791	166.5E6	893.2E6	55.835	49.069
15)	B	Endosulfa...	6.789	6.082	169.7E6	843.5E6	54.272	48.139
16)	A	4,4'-DDD	6.708	5.932	144.6E6	767.5E6	57.484	46.839
17)	MA	4,4'-DDT	7.024	6.185	152.8E6	833.7E6	55.012	48.993
18)	B	Endrin al...	6.918	6.260	128.2E6	645.4E6	55.557	48.522
19)	B	Endosulfa...	7.151	6.484	157.3E6	804.4E6	54.682	46.949
20)	A	Methoxychlor	7.496	6.757	79835270	434.2E6	53.240	47.604
21)	B	Endrin ke...	7.633	6.994	172.8E6	904.7E6	56.000	48.371
22)		Mirex	8.117	7.188	125.7E6	675.7E6	53.547	45.590

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 12:52
Operator : AR\AJ
Sample : Q1984-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

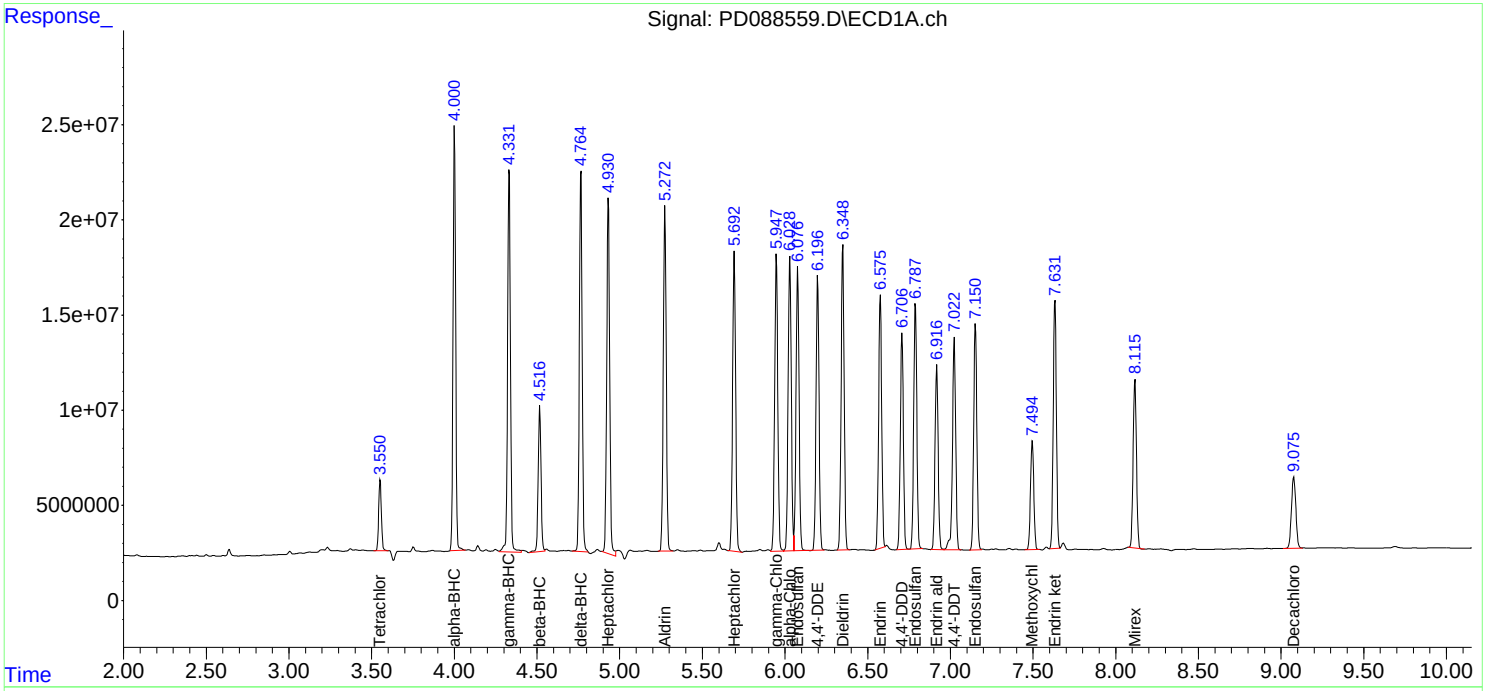
Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MS

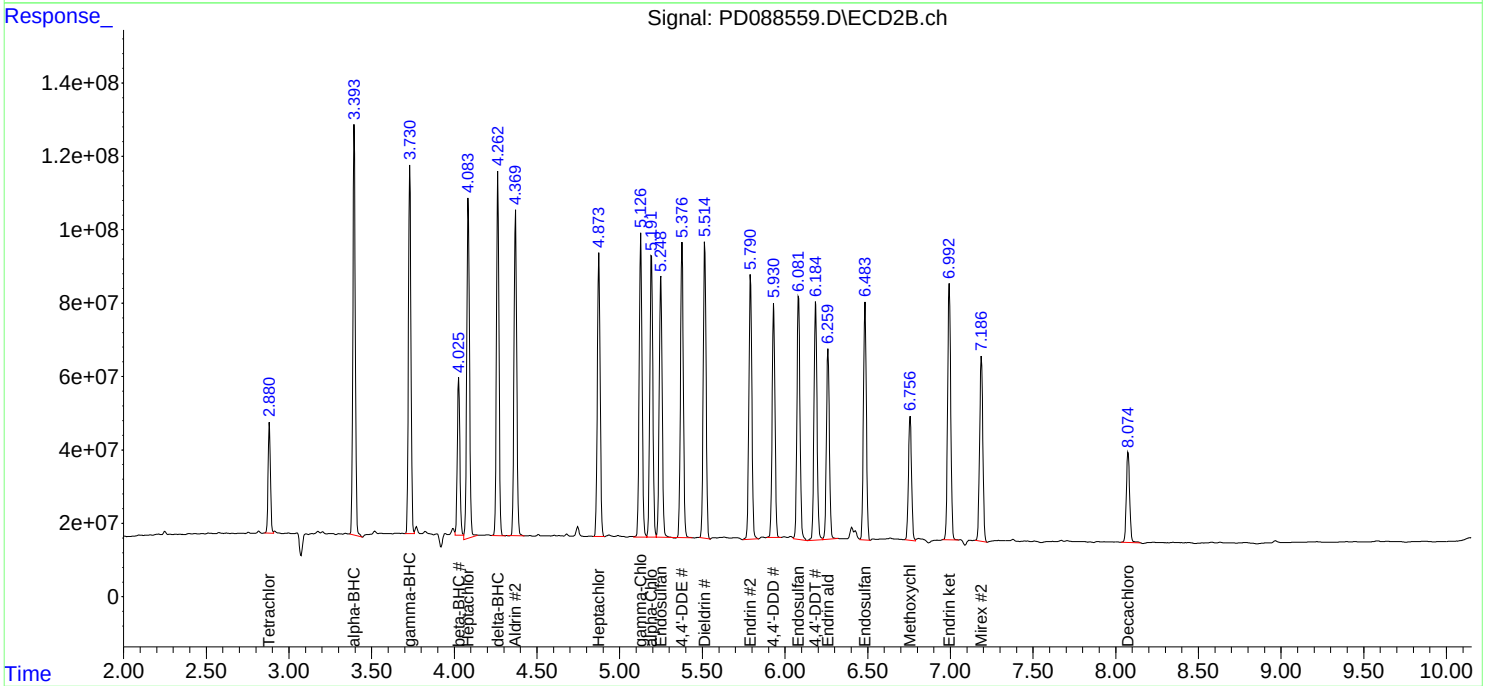
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:17:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PD088487.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1MSD	SDG No.:	Q1982
Lab Sample ID:	Q1982-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088487.D	1	05/12/25 09:05	05/12/25 20:16	PB167950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	21.4		0.16	2.10	ug/kg
319-85-7	beta-BHC	20.8		0.22	2.10	ug/kg
319-86-8	delta-BHC	22.8		0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	21.4		0.17	2.10	ug/kg
76-44-8	Heptachlor	22.2		0.15	2.10	ug/kg
309-00-2	Aldrin	22.0		0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	21.9		0.23	2.10	ug/kg
959-98-8	Endosulfan I	22.0		0.17	2.10	ug/kg
60-57-1	Dieldrin	22.2		0.17	2.10	ug/kg
72-55-9	4,4-DDE	21.4		0.17	2.10	ug/kg
72-20-8	Endrin	22.0		0.17	2.10	ug/kg
33213-65-9	Endosulfan II	21.2		0.36	2.10	ug/kg
72-54-8	4,4-DDD	22.1		0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	21.5		0.16	2.10	ug/kg
50-29-3	4,4-DDT	22.4		0.17	2.10	ug/kg
72-43-5	Methoxychlor	21.5		0.46	2.10	ug/kg
53494-70-5	Endrin ketone	21.7		0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	21.3		0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	21.8		0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	21.5		0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.0		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		19 - 148	97%	SPK: 20

Raw Data: **PD088487.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:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-1MSD	SDG No.:	Q1982
Lab Sample ID:	Q1982-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.9 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
PD088487.D	1	05/12/25 09:05	05/12/25 20:16	PB167950

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: **PD088487.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:16
Operator : AR\AJ
Sample : Q1982-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:29:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.551	2.883	38891407	279.4E6	19.471	19.109
28)	SA Decachlor...	9.074	8.075	66035269	322.4E6	19.962	17.445
	Target Compounds						
2)	A alpha-BHC	4.000	3.395	224.3E6	1073.5E6	52.026	46.957
3)	MA gamma-BHC...	4.332	3.732	218.1E6	984.7E6	52.077	45.720
4)	MA Heptachlor	4.931	4.085	218.3E6	983.5E6	54.048	45.960
5)	MB Aldrin	5.273	4.371	211.5E6	987.6E6	53.546	47.472
6)	B beta-BHC	4.516	4.027	82000550	425.7E6	50.512	46.005
7)	B delta-BHC	4.765	4.264	228.3E6	982.8E6	55.341	46.224
8)	B Heptachlo...	5.692	4.875	190.0E6	847.2E6	53.155	44.836
9)	A Endosulfan I	6.076	5.249	180.2E6	816.7E6	53.353	45.343
10)	B gamma-Chl...	5.947	5.128	189.6E6	936.0E6	52.358	46.120
11)	B alpha-Chl...	6.028	5.192	190.9E6	895.8E6	52.889	45.697
12)	B 4,4'-DDE	6.197	5.377	171.7E6	890.6E6	52.059	45.220
13)	MA Dieldrin	6.348	5.515	192.5E6	898.0E6	53.937	45.050
14)	MA Endrin	6.575	5.791	159.5E6	830.3E6	53.465	45.615
15)	B Endosulfa...	6.787	6.082	161.2E6	801.1E6	51.553	45.722
16)	A 4,4'-DDD	6.706	5.932	135.3E6	711.3E6	53.804	43.409
17)	MA 4,4'-DDT	7.022	6.186	151.3E6	782.9E6	54.476	46.008
18)	B Endrin al...	6.916	6.261	119.4E6	591.0E6	51.715	44.433
19)	B Endosulfa...	7.150	6.485	150.2E6	775.5E6	52.213	45.261
20)	A Methoxychlor	7.494	6.756	78456750	406.0E6	52.320	44.512
21)	B Endrin ke...	7.631	6.993	162.7E6	851.0E6	52.723	45.496
22)	Mirex	8.115	7.188	119.4E6	646.3E6	50.830	43.608

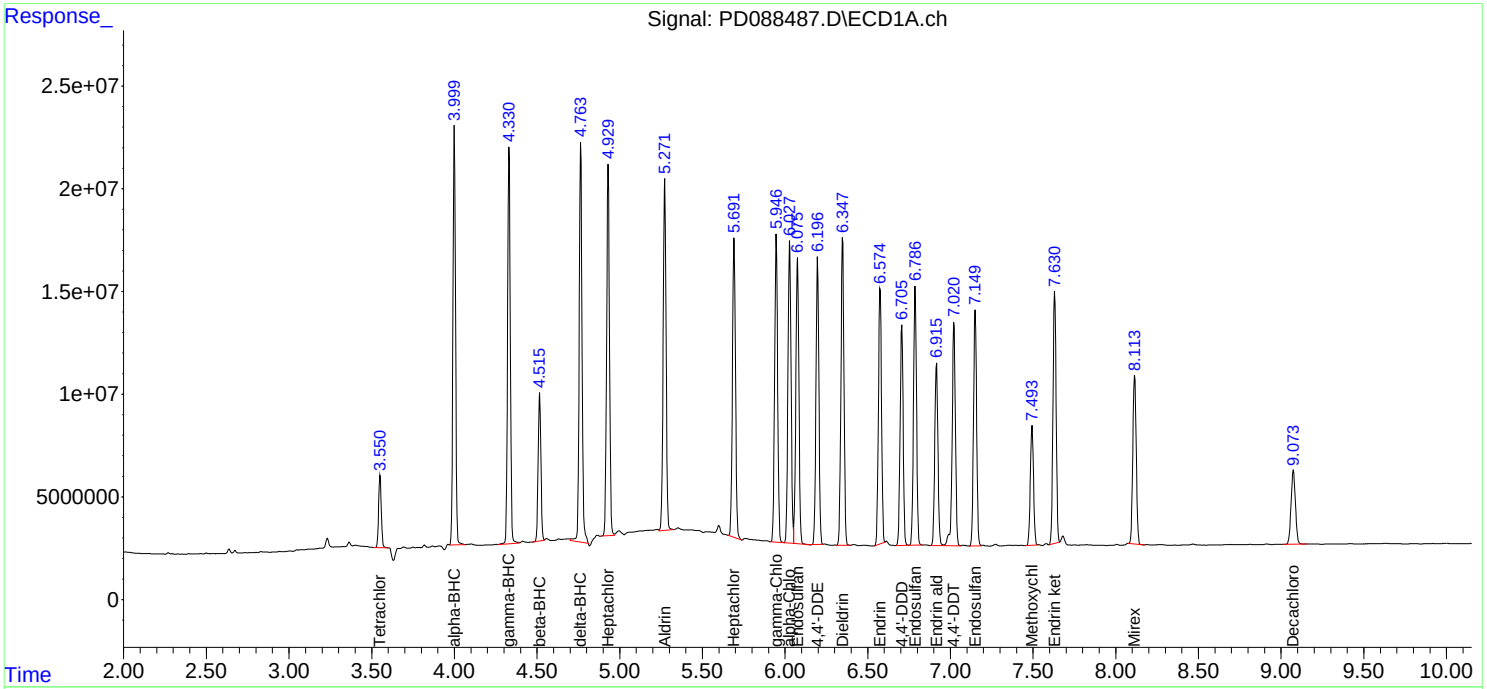
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

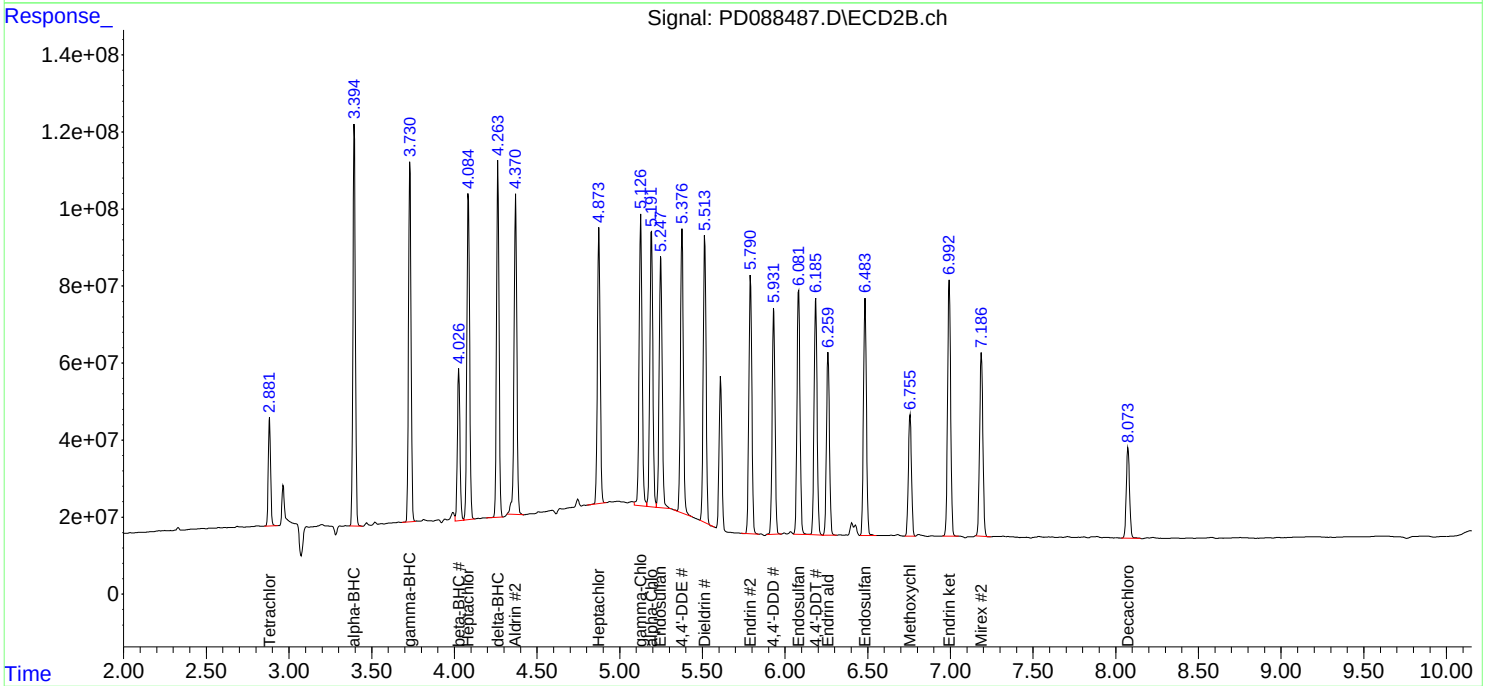
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
Data File : PD088487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 20:16
Operator : AR\AJ
Sample : Q1982-01MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 03:29:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725MSD	SDG No.:	Q1982
Lab Sample ID:	Q1984-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088560.D	1	05/13/25 08:30	05/15/25 13:05	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.9		0.14	1.80	ug/kg
319-85-7	beta-BHC	19.5		0.19	1.80	ug/kg
319-86-8	delta-BHC	20.0		0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	20.3		0.15	1.80	ug/kg
76-44-8	Heptachlor	20.7		0.13	1.80	ug/kg
309-00-2	Aldrin	20.4		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	19.8		0.20	1.80	ug/kg
959-98-8	Endosulfan I	20.0		0.15	1.80	ug/kg
60-57-1	Dieldrin	20.2		0.15	1.80	ug/kg
72-55-9	4,4-DDE	19.4		0.15	1.80	ug/kg
72-20-8	Endrin	19.8		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	19.2		0.30	1.80	ug/kg
72-54-8	4,4-DDD	20.3		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	19.4		0.14	1.80	ug/kg
50-29-3	4,4-DDT	19.4		0.15	1.80	ug/kg
72-43-5	Methoxychlor	18.8		0.39	1.80	ug/kg
53494-70-5	Endrin ketone	19.7		0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	19.6		0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	19.9		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	19.8		0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		20 - 144	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		19 - 148	107%	SPK: 20

Raw Data: **PD088560.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:	05/07/25
Project:	South River WM Replacement	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725MSD	SDG No.:	Q1982
Lab Sample ID:	Q1984-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	95.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088560.D	1	05/13/25 08:30	05/15/25 13:05	PB167959

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:05
Operator : AR\AJ
Sample : Q1984-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:18:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.551	2.882	42713352	306.3E6	21.385	20.946
28)	SA	Decachlor...	9.076	8.074	70211275	348.9E6	21.224	18.880
		Target Compounds						
2)	A	alpha-BHC	4.000	3.395	245.5E6	1160.4E6	56.936	50.758
3)	MA	gamma-BHC...	4.331	3.731	242.7E6	1059.7E6	57.961	49.200
4)	MA	Heptachlor	4.931	4.085	238.9E6	1091.4E6	59.160	51.002
5)	MB	Aldrin	5.273	4.370	230.1E6	1039.5E6	58.268	49.969
6)	B	beta-BHC	4.516	4.025	90626662	471.3E6	55.826	50.924m
7)	B	delta-BHC	4.765	4.263	235.8E6	1068.5E6	57.162	50.254
8)	B	Heptachlo...	5.692	4.874	201.8E6	936.3E6	56.477	49.556
9)	A	Endosulfan I	6.076	5.249	192.9E6	893.5E6	57.109	49.602
10)	B	gamma-Chl...	5.947	5.127	204.9E6	1005.2E6	56.566	49.527
11)	B	alpha-Chl...	6.029	5.192	205.3E6	971.4E6	56.866	49.555
12)	B	4,4'-DDE	6.198	5.377	183.2E6	973.8E6	55.551	49.445
13)	MA	Dieldrin	6.349	5.514	206.1E6	991.8E6	57.747	49.759
14)	MA	Endrin	6.576	5.791	168.4E6	904.9E6	56.457	49.711
15)	B	Endosulfa...	6.788	6.082	171.1E6	839.9E6	54.742	47.936
16)	A	4,4'-DDD	6.706	5.932	145.9E6	783.4E6	58.021	47.808
17)	MA	4,4'-DDT	7.023	6.185	154.1E6	829.9E6	55.472	48.773
18)	B	Endrin al...	6.916	6.261	129.0E6	647.3E6	55.900	48.667
19)	B	Endosulfa...	7.151	6.484	159.4E6	826.0E6	55.441	48.209
20)	A	Methoxychlor	7.494	6.757	80457383	437.0E6	53.655	47.911
21)	B	Endrin ke...	7.631	6.993	173.7E6	917.4E6	56.270	49.050
22)		Mirex	8.115	7.187	125.8E6	690.2E6	53.561	46.572

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051525\
Data File : PD088560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 13:05
Operator : AR\AJ
Sample : Q1984-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

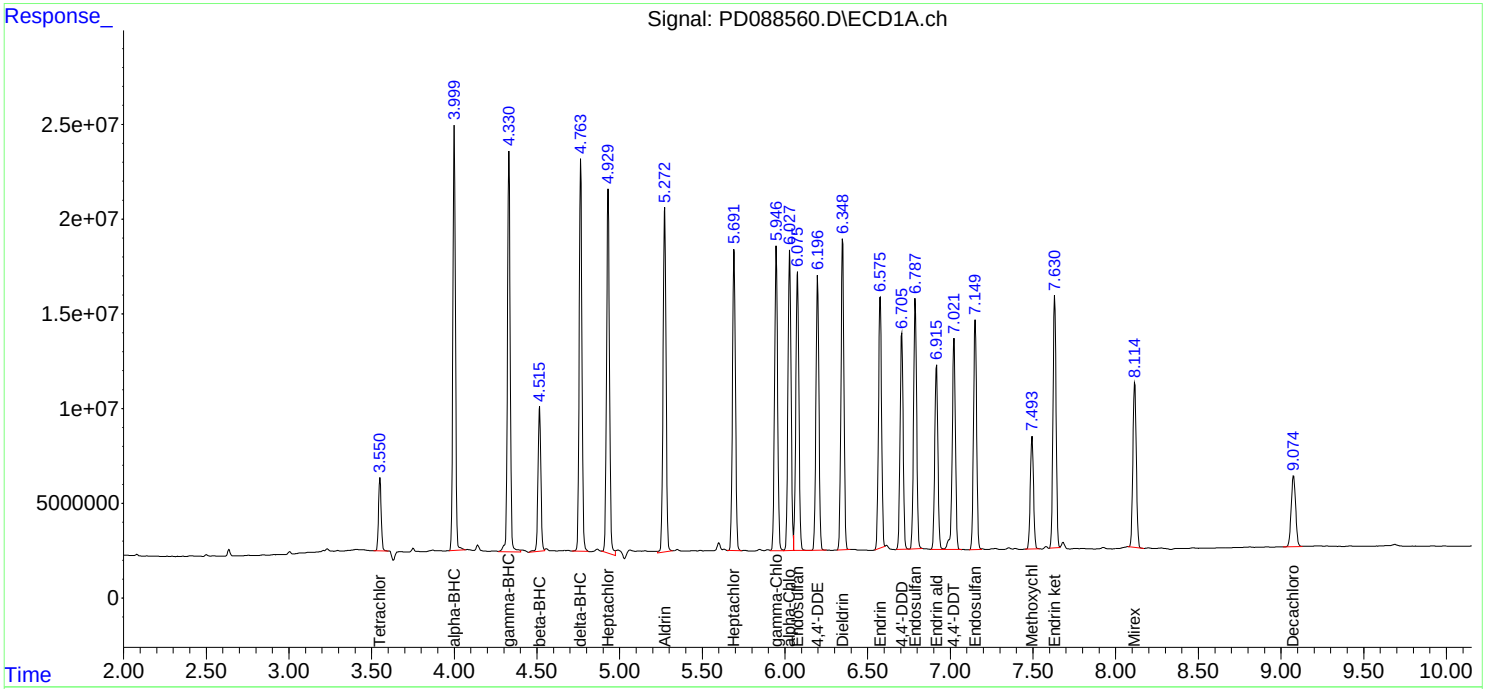
Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-33-050725MSD

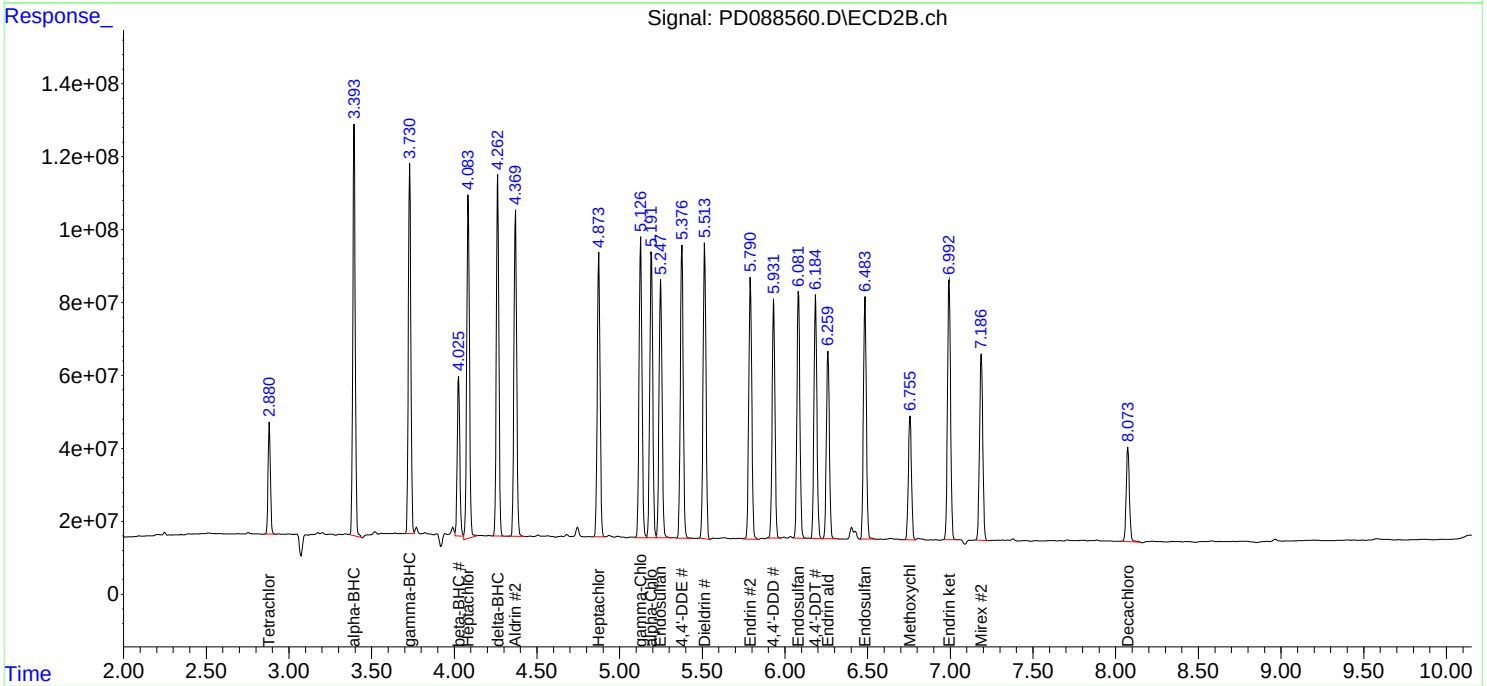
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 02:18:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Manual Integration Report

Sequence:	PD041825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088122.D	4,4"-DDD #2	Abdul	4/19/2025 2:06:43 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PSTDICC100	PD088124.D	Heptachlor epoxide #2	Abdul	4/19/2025 2:06:47 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PSTDICC005	PD088128.D	delta-BHC	Abdul	4/19/2025 2:20:23 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PEM	PD088143.D	4,4"-DDD	Abdul	4/19/2025 2:07:12 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PEM	PD088143.D	Endrin aldehyde	Abdul	4/19/2025 2:07:12 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd051225	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088463.D	4,4"-DDD #2	Abdul	5/13/2025 9:10:47 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088463.D	Endrin aldehyde	Abdul	5/13/2025 9:10:47 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088463.D	Endrin aldehyde #2	Abdul	5/13/2025 9:10:47 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088463.D	Endrin ketone	Abdul	5/13/2025 9:10:47 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	4,4"-DDD #2	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	4,4"-DDE	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	4,4"-DDE #2	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	Endrin aldehyde	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	Endrin aldehyde #2	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PEM	PD088483.D	Endrin ketone	Abdul	5/13/2025 9:10:17 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
Q1982-06	PD088492.D	beta-BHC #2	Abdul	5/13/2025 9:09:56 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
Q1982-06	PD088492.D	Tetrachloro-m-xylene	Abdul	5/13/2025 9:09:56 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software
PSTDCCC050	PD088495.D	4,4"-DDE #2	Abdul	5/13/2025 9:10:08 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd051225	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD088495.D	Aldrin #2	Abdul	5/13/2025 9:10:08 AM	mohammad	5/14/2025 5:14:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD051325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088498.D	Endrin ketone	Abdul	5/14/2025 8:32:32 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088499.D	4,4"-DDE #2	Abdul	5/14/2025 8:32:36 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088499.D	Aldrin #2	Abdul	5/14/2025 8:32:36 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-02	PD088502.D	Decachlorobiphenyl #2	Abdul	5/14/2025 8:32:39 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-04	PD088503.D	Tetrachloro-m-xylene	Abdul	5/19/2025 12:07:55 PM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-04	PD088503.D	Tetrachloro-m-xylene #2	Abdul	5/19/2025 12:07:55 PM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-07	PD088505.D	alpha-Chlordane #2	Abdul	5/14/2025 8:32:43 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-07	PD088505.D	Decachlorobiphenyl	Abdul	5/14/2025 8:32:43 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-07	PD088505.D	gamma-Chlordane #2	Abdul	5/14/2025 8:32:43 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088515.D	4,4"-DDE #2	Abdul	5/14/2025 8:32:54 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088515.D	Aldrin #2	Abdul	5/14/2025 8:32:54 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088515.D	gamma-Chlordane	Abdul	5/14/2025 8:32:54 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088524.D	4,4"-DDE #2	Abdul	5/14/2025 8:33:05 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD051325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD088524.D	Aldrin #2	Abdul	5/14/2025 8:33:05 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088524.D	gamma-Chlordane	Abdul	5/14/2025 8:33:05 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	alpha-Chlordane #2	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	Decachlorobiphenyl	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	Decachlorobiphenyl #2	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	Dieldrin	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	Dieldrin #2	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	gamma-Chlordane	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
Q1982-08	PD088527.D	gamma-Chlordane #2	Abdul	5/14/2025 8:33:09 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PEM	PD088536.D	Endrin aldehyde	Abdul	5/14/2025 8:33:27 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088537.D	4,4"-DDE #2	Abdul	5/14/2025 8:33:30 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088537.D	Aldrin #2	Abdul	5/14/2025 8:33:30 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088537.D	gamma-Chlordane	Abdul	5/14/2025 8:33:30 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD051325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD088541.D	4,4"-DDE #2	Abdul	5/14/2025 8:33:35 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088541.D	Aldrin #2	Abdul	5/14/2025 8:33:35 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software
PSTDCCC050	PD088541.D	gamma-Chlordane	Abdul	5/14/2025 8:33:35 AM	mohammad	5/20/2025 3:33:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd051525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088552.D	4,4"-DDD	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PEM	PD088552.D	Endrin aldehyde	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PEM	PD088552.D	Endrin aldehyde #2	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PEM	PD088552.D	Endrin ketone	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PEM	PD088552.D	Endrin ketone #2	Abdul	5/16/2025 10:09:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PTOXCCC500	PD088555.D	Toxaphene-1 #2	Abdul	5/16/2025 10:09:12 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
Q1984-01MS	PD088559.D	Aldrin	Abdul	5/16/2025 10:09:21 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
Q1984-01MS	PD088559.D	beta-BHC #2	Abdul	5/16/2025 10:09:21 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
Q1984-01MSD	PD088560.D	beta-BHC #2	Abdul	5/16/2025 10:09:25 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
I.BLK	PD088565.D	Decachlorobiphenyl	Abdul	5/16/2025 10:09:43 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PSTDCCC050	PD088566.D	4,4"-DDD	Abdul	5/16/2025 10:09:47 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PSTDCCC050	PD088566.D	4,4"-DDE #2	Abdul	5/16/2025 10:09:47 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PSTDCCC050	PD088566.D	Decachlorobiphenyl	Abdul	5/16/2025 10:09:47 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd051525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD088566.D	gamma-Chlordane	Abdul	5/16/2025 10:09:47 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PTOXCCC500	PD088568.D	Toxaphene-1 #2	Abdul	5/16/2025 10:09:51 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PTOXCCC500	PD088568.D	Toxaphene-5	Abdul	5/16/2025 10:09:51 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PTOXCCC500	PD088568.D	Toxaphene-5 #2	Abdul	5/16/2025 10:09:51 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
I.BLK	PD088572.D	Decachlorobiphenyl	Abdul	5/16/2025 10:10:09 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software
PSTDCCC050	PD088573.D	Methoxychlor #2	Abdul	5/16/2025 10:10:13 AM	mohammad	5/20/2025 2:54:45	Peak Integrated by Software

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM		
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM		
SubDirectory	PD041825	HP Acquire Method		HP Processing Method	pd041825 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	PD088120.D	18 Apr 2025 13:02	AR\AJ	Ok
2	I.BLK	PD088121.D	18 Apr 2025 13:15	AR\AJ	Ok
3	PEM	PD088122.D	18 Apr 2025 13:29	AR\AJ	Ok,M
4	RESCHK	PD088123.D	18 Apr 2025 13:43	AR\AJ	Ok
5	PSTDICC100	PD088124.D	18 Apr 2025 13:56	AR\AJ	Ok,M
6	PSTDICC075	PD088125.D	18 Apr 2025 14:10	AR\AJ	Ok
7	PSTDICC050	PD088126.D	18 Apr 2025 14:24	AR\AJ	Ok
8	PSTDICC025	PD088127.D	18 Apr 2025 14:37	AR\AJ	Ok
9	PSTDICC005	PD088128.D	18 Apr 2025 14:51	AR\AJ	Ok,M
10	PCHLORICC1000	PD088129.D	18 Apr 2025 15:05	AR\AJ	Ok
11	PCHLORICC750	PD088130.D	18 Apr 2025 15:18	AR\AJ	Ok
12	PCHLORICC500	PD088131.D	18 Apr 2025 15:32	AR\AJ	Ok
13	PCHLORICC250	PD088132.D	18 Apr 2025 15:46	AR\AJ	Ok
14	PCHLORICC050	PD088133.D	18 Apr 2025 15:59	AR\AJ	Ok,M
15	PTOXICC1000	PD088134.D	18 Apr 2025 16:13	AR\AJ	Ok,M
16	PTOXICC750	PD088135.D	18 Apr 2025 16:27	AR\AJ	Ok
17	PTOXICC500	PD088136.D	18 Apr 2025 16:40	AR\AJ	Ok
18	PTOXICC250	PD088137.D	18 Apr 2025 16:54	AR\AJ	Ok,M
19	PTOXICC100	PD088138.D	18 Apr 2025 17:08	AR\AJ	Ok,M
20	PSTDICV050	PD088139.D	18 Apr 2025 17:21	AR\AJ	Ok
21	PCHLORICV500	PD088140.D	18 Apr 2025 17:35	AR\AJ	Ok

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

Daily Analysis Runlog For Sequence/QCBatch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM		
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM		
SubDirectory	PD041825	HP Acquire Method		HP Processing Method	pd041825 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	PD088141.D	18 Apr 2025 17:49	AR\AJ	Ok
23	I.BLK	PD088142.D	18 Apr 2025 18:02	AR\AJ	Ok
24	PEM	PD088143.D	18 Apr 2025 18:16	AR\AJ	Ok,M
25	PSTDCCC050	PD088144.D	18 Apr 2025 18:30	AR\AJ	Not Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051225

Review By	Abdul	Review On	5/13/2025 9:11:31 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:14:13 AM		
SubDirectory	PD051225	HP Acquire Method		HP Processing Method	pd041825 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	PD088461.D	12 May 2025 12:31	AR\AJ	Ok
2	I.BLK	PD088462.D	12 May 2025 12:44	AR\AJ	Ok
3	PEM	PD088463.D	12 May 2025 12:58	AR\AJ	Ok,M
4	PSTDCCC050	PD088464.D	12 May 2025 13:42	AR\AJ	Ok
5	PB167950BL	PD088465.D	12 May 2025 15:16	AR\AJ	Ok
6	PB167950BS	PD088466.D	12 May 2025 15:30	AR\AJ	Ok
7	Q2002-01	PD088467.D	12 May 2025 15:43	AR\AJ	Ok,M
8	Q2007-01	PD088468.D	12 May 2025 15:57	AR\AJ	Ok,M
9	Q2007-07	PD088469.D	12 May 2025 16:11	AR\AJ	Ok,M
10	Q2007-13	PD088470.D	12 May 2025 16:24	AR\AJ	Ok,M
11	Q2007-19	PD088471.D	12 May 2025 16:38	AR\AJ	Ok,M
12	Q2007-25	PD088472.D	12 May 2025 16:52	AR\AJ	Ok
13	Q2007-31	PD088473.D	12 May 2025 17:05	AR\AJ	Ok,M
14	I.BLK	PD088474.D	12 May 2025 17:19	AR\AJ	Ok
15	PSTDCCC050	PD088475.D	12 May 2025 17:32	AR\AJ	Ok
16	Q2004-01	PD088476.D	12 May 2025 17:46	AR\AJ	Ok
17	Q2004-03	PD088477.D	12 May 2025 18:00	AR\AJ	Ok,M
18	Q2004-05	PD088478.D	12 May 2025 18:14	AR\AJ	Ok,M
19	Q2004-07	PD088479.D	12 May 2025 18:27	AR\AJ	Ok
20	Q2004-09	PD088480.D	12 May 2025 18:41	AR\AJ	Ok
21	Q2004-11	PD088481.D	12 May 2025 18:54	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051225

Review By	Abdul	Review On	5/13/2025 9:11:31 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:14:13 AM		
SubDirectory	PD051225	HP Acquire Method		HP Processing Method	pd041825 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	I.BLK	PD088482.D	12 May 2025 19:08	AR\AJ	Ok
23	PEM	PD088483.D	12 May 2025 19:22	AR\AJ	Ok,M
24	PSTDCCC050	PD088484.D	12 May 2025 19:35	AR\AJ	Ok
25	Q1982-01	PD088485.D	12 May 2025 19:49	AR\AJ	Not Ok
26	Q1982-01MS	PD088486.D	12 May 2025 20:03	AR\AJ	Ok
27	Q1982-01MSD	PD088487.D	12 May 2025 20:16	AR\AJ	Ok
28	Q1982-02	PD088488.D	12 May 2025 20:30	AR\AJ	Not Ok
29	Q1982-03	PD088489.D	12 May 2025 20:44	AR\AJ	Ok
30	Q1982-04	PD088490.D	12 May 2025 20:57	AR\AJ	Not Ok
31	Q1982-05	PD088491.D	12 May 2025 21:11	AR\AJ	Not Ok
32	Q1982-06	PD088492.D	12 May 2025 21:25	AR\AJ	Ok,M
33	Q1982-07	PD088493.D	12 May 2025 21:38	AR\AJ	Not Ok
34	I.BLK	PD088494.D	12 May 2025 21:52	AR\AJ	Ok
35	PSTDCCC050	PD088495.D	13 May 2025 02:17	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	PD088496.D	13 May 2025 09:14	AR\AJ	Ok
2	I.BLK	PD088497.D	13 May 2025 09:28	AR\AJ	Ok
3	PEM	PD088498.D	13 May 2025 09:41	AR\AJ	Ok,M
4	PSTDCCC050	PD088499.D	13 May 2025 09:55	AR\AJ	Ok,M
5	PB167950BL	PD088500.D	13 May 2025 10:08	AR\AJ	Not Ok
6	Q1982-01	PD088501.D	13 May 2025 10:22	AR\AJ	Ok
7	Q1982-02	PD088502.D	13 May 2025 10:35	AR\AJ	Ok,M
8	Q1982-04	PD088503.D	13 May 2025 10:49	AR\AJ	Ok,M
9	Q1982-05	PD088504.D	13 May 2025 11:02	AR\AJ	Ok
10	Q1982-07	PD088505.D	13 May 2025 11:16	AR\AJ	Ok,M
11	PB167925BL	PD088506.D	13 May 2025 11:29	AR\AJ	Ok
12	Q1983-01DL	PD088507.D	13 May 2025 11:43	AR\AJ	Ok,M
13	PB167969BL	PD088508.D	13 May 2025 11:57	AR\AJ	Ok
14	PB167969BS	PD088509.D	13 May 2025 12:10	AR\AJ	Ok
15	PB167851TB	PD088510.D	13 May 2025 12:24	AR\AJ	Ok
16	Q1956-05	PD088511.D	13 May 2025 12:37	AR\AJ	Ok
17	Q1956-05MS	PD088512.D	13 May 2025 12:51	AR\AJ	Ok,M
18	Q1956-05MSD	PD088513.D	13 May 2025 13:04	AR\AJ	Ok
19	I.BLK	PD088514.D	13 May 2025 13:18	AR\AJ	Ok
20	PSTDCCC050	PD088515.D	13 May 2025 14:22	AR\AJ	Ok,M
21	Q2007-06	PD088516.D	13 May 2025 14:35	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	Q2007-12	PD088517.D	13 May 2025 14:49	AR\AJ	Ok,M
23	Q2007-18	PD088518.D	13 May 2025 15:03	AR\AJ	Ok
24	Q2007-24	PD088519.D	13 May 2025 15:16	AR\AJ	Ok
25	Q2007-30	PD088520.D	13 May 2025 15:30	AR\AJ	Ok
26	Q2007-36	PD088521.D	13 May 2025 15:44	AR\AJ	Ok,M
27	PB167925BS	PD088522.D	13 May 2025 16:16	AR\AJ	Ok
28	I.BLK	PD088523.D	13 May 2025 16:35	AR\AJ	Ok
29	PSTDCCC050	PD088524.D	13 May 2025 16:48	AR\AJ	Ok,M
30	PB167959BL	PD088525.D	13 May 2025 17:02	AR\AJ	Ok
31	PB167959BS	PD088526.D	13 May 2025 17:15	AR\AJ	Ok
32	Q1982-08	PD088527.D	13 May 2025 17:29	AR\AJ	Ok,M
33	Q2010-01	PD088528.D	13 May 2025 17:43	AR\AJ	Ok,M
34	Q2010-02	PD088529.D	13 May 2025 17:56	AR\AJ	Ok
35	Q2010-03	PD088530.D	13 May 2025 18:10	AR\AJ	Ok
36	Q2010-04	PD088531.D	13 May 2025 18:24	AR\AJ	Ok
37	Q2014-01	PD088532.D	13 May 2025 18:38	AR\AJ	Ok,M
38	Q2014-03	PD088533.D	13 May 2025 18:51	AR\AJ	Ok,M
39	Q2014-05	PD088534.D	13 May 2025 19:05	AR\AJ	Not Ok
40	I.BLK	PD088535.D	13 May 2025 19:18	AR\AJ	Ok
41	PEM	PD088536.D	13 May 2025 19:32	AR\AJ	Ok,M
42	PSTDCCC050	PD088537.D	13 May 2025 19:46	AR\AJ	Ok,M
43	Q2017-01	PD088538.D	13 May 2025 19:59	AR\AJ	Ok
44	Q2017-05	PD088539.D	13 May 2025 20:13	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	

45	I.BLK	PD088540.D	13 May 2025 20:27	AR\AJ	Ok
46	PSTDCCC050	PD088541.D	13 May 2025 20:40	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051525

Review By	Abdul	Review On	5/16/2025 10:10:37 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:54:45 AM		
SubDirectory	PD051525	HP Acquire Method		HP Processing Method	pd041825 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	PD088550.D	15 May 2025 08:34	AR\AJ	Ok
2	I.BLK	PD088551.D	15 May 2025 08:47	AR\AJ	Ok
3	PEM	PD088552.D	15 May 2025 09:18	AR\AJ	Ok,M
4	PSTDCCC050	PD088553.D	15 May 2025 09:32	AR\AJ	Ok
5	PCHLORCCC500	PD088554.D	15 May 2025 09:49	AR\AJ	Ok
6	PTOXCCC500	PD088555.D	15 May 2025 11:06	AR\AJ	Ok,M
7	PB167959BS	PD088556.D	15 May 2025 11:22	AR\AJ	Ok
8	PB167959BS	PD088557.D	15 May 2025 12:17	AR\AJ	Not Ok
9	Q1984-01	PD088558.D	15 May 2025 12:38	AR\AJ	Ok
10	Q1984-01MS	PD088559.D	15 May 2025 12:52	AR\AJ	Ok,M
11	Q1984-01MSD	PD088560.D	15 May 2025 13:05	AR\AJ	Ok,M
12	Q1984-03	PD088561.D	15 May 2025 13:19	AR\AJ	Ok
13	Q1984-05	PD088562.D	15 May 2025 13:33	AR\AJ	Ok
14	Q1984-07	PD088563.D	15 May 2025 13:46	AR\AJ	Ok,M
15	Q1984-09	PD088564.D	15 May 2025 14:00	AR\AJ	ReRun
16	I.BLK	PD088565.D	15 May 2025 14:14	AR\AJ	Ok,M
17	PSTDCCC050	PD088566.D	15 May 2025 15:11	AR\AJ	Ok,M
18	PCHLORCCC500	PD088567.D	15 May 2025 15:59	AR\AJ	Ok
19	PTOXCCC500	PD088568.D	15 May 2025 17:54	AR\AJ	Not Ok
20	Q1984-11	PD088569.D	15 May 2025 18:08	AR\AJ	ReRun
21	Q1984-13	PD088570.D	15 May 2025 18:22	AR\AJ	ReRun

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051525

Review By	Abdul	Review On	5/16/2025 10:10:37 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:54:45 AM		
SubDirectory	PD051525	HP Acquire Method		HP Processing Method	pd041825 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	Q1984-15	PD088571.D	15 May 2025 18:35	AR\AJ	ReRun
23	I.BLK	PD088572.D	15 May 2025 18:49	AR\AJ	Ok,M
24	PSTDCCC050	PD088573.D	15 May 2025 19:02	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM		
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM		
SubDirectory	PD041825	HP Acquire Method		HP Processing Method	pd041825 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	PD088120.D	18 Apr 2025 13:02		AR\AJ	Ok
2	I.BLK	I.BLK	PD088121.D	18 Apr 2025 13:15		AR\AJ	Ok
3	PEM	PEM	PD088122.D	18 Apr 2025 13:29		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088123.D	18 Apr 2025 13:43		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088124.D	18 Apr 2025 13:56		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PD088125.D	18 Apr 2025 14:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088126.D	18 Apr 2025 14:24		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088127.D	18 Apr 2025 14:37		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD088128.D	18 Apr 2025 14:51		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088129.D	18 Apr 2025 15:05		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088130.D	18 Apr 2025 15:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD088131.D	18 Apr 2025 15:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD088132.D	18 Apr 2025 15:46		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD088133.D	18 Apr 2025 15:59		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD088134.D	18 Apr 2025 16:13		AR\AJ	Ok,M
16	PTOXICC750	PTOXICC750	PD088135.D	18 Apr 2025 16:27		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD088136.D	18 Apr 2025 16:40		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD088137.D	18 Apr 2025 16:54		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM		
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM		
SubDirectory	PD041825	HP Acquire Method		HP Processing Method	pd041825 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	PD088138.D	18 Apr 2025 17:08		AR\AJ	Ok,M
20	PSTDICV050	ICVPD041825	PD088139.D	18 Apr 2025 17:21		AR\AJ	Ok
21	PCHLORICV500	ICVPD041825CHLOR	PD088140.D	18 Apr 2025 17:35		AR\AJ	Ok
22	PTOXICV500	ICVPD041825TOX	PD088141.D	18 Apr 2025 17:49		AR\AJ	Ok
23	I.BLK	I.BLK	PD088142.D	18 Apr 2025 18:02		AR\AJ	Ok
24	PEM	PEM	PD088143.D	18 Apr 2025 18:16		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD088144.D	18 Apr 2025 18:30	ccc high	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051225

Review By	Abdul	Review On	5/13/2025 9:11:31 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:14:13 AM		
SubDirectory	PD051225	HP Acquire Method		HP Processing Method	pd041825 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	PD088461.D	12 May 2025 12:31		AR\AJ	Ok
2	I.BLK	I.BLK	PD088462.D	12 May 2025 12:44		AR\AJ	Ok
3	PEM	PEM	PD088463.D	12 May 2025 12:58		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088464.D	12 May 2025 13:42		AR\AJ	Ok
5	PB167950BL	PB167950BL	PD088465.D	12 May 2025 15:16		AR\AJ	Ok
6	PB167950BS	PB167950BS	PD088466.D	12 May 2025 15:30		AR\AJ	Ok
7	Q2002-01	EO-02-05092025	PD088467.D	12 May 2025 15:43		AR\AJ	Ok,M
8	Q2007-01	OR-636-COMP-10	PD088468.D	12 May 2025 15:57		AR\AJ	Ok,M
9	Q2007-07	OR-636-COMP-11	PD088469.D	12 May 2025 16:11		AR\AJ	Ok,M
10	Q2007-13	OR-636-COMP-12	PD088470.D	12 May 2025 16:24		AR\AJ	Ok,M
11	Q2007-19	OR-636-COMP-13	PD088471.D	12 May 2025 16:38		AR\AJ	Ok,M
12	Q2007-25	OR-636-COMP-14	PD088472.D	12 May 2025 16:52		AR\AJ	Ok
13	Q2007-31	OR-636-COMP-15	PD088473.D	12 May 2025 17:05		AR\AJ	Ok,M
14	I.BLK	I.BLK	PD088474.D	12 May 2025 17:19		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PD088475.D	12 May 2025 17:32		AR\AJ	Ok
16	Q2004-01	VNJ-220	PD088476.D	12 May 2025 17:46		AR\AJ	Ok
17	Q2004-03	2811	PD088477.D	12 May 2025 18:00		AR\AJ	Ok,M
18	Q2004-05	R0202	PD088478.D	12 May 2025 18:14		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051225

Review By	Abdul	Review On	5/13/2025 9:11:31 AM		
Supervise By	mohammad	Supervise On	5/14/2025 5:14:13 AM		
SubDirectory	PD051225	HP Acquire Method		HP Processing Method	pd041825 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	Q2004-07	205510	PD088479.D	12 May 2025 18:27		AR\AJ	Ok
20	Q2004-09	SOIL-STOCK	PD088480.D	12 May 2025 18:41		AR\AJ	Ok
21	Q2004-11	STONE-STOCK	PD088481.D	12 May 2025 18:54		AR\AJ	Ok
22	I.BLK	I.BLK	PD088482.D	12 May 2025 19:08		AR\AJ	Ok
23	PEM	PEM	PD088483.D	12 May 2025 19:22		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PD088484.D	12 May 2025 19:35		AR\AJ	Ok
25	Q1982-01	TP-1	PD088485.D	12 May 2025 19:49	need Cleanup	AR\AJ	Not Ok
26	Q1982-01MS	TP-1MS	PD088486.D	12 May 2025 20:03		AR\AJ	Ok
27	Q1982-01MSD	TP-1MSD	PD088487.D	12 May 2025 20:16		AR\AJ	Ok
28	Q1982-02	TP-2B	PD088488.D	12 May 2025 20:30	need Cleanup	AR\AJ	Not Ok
29	Q1982-03	TP-3	PD088489.D	12 May 2025 20:44		AR\AJ	Ok
30	Q1982-04	TP-4	PD088490.D	12 May 2025 20:57	need Cleanup	AR\AJ	Not Ok
31	Q1982-05	TP-5	PD088491.D	12 May 2025 21:11	need Cleanup	AR\AJ	Not Ok
32	Q1982-06	TP-6	PD088492.D	12 May 2025 21:25		AR\AJ	Ok,M
33	Q1982-07	TP-8	PD088493.D	12 May 2025 21:38	need Cleanup	AR\AJ	Not Ok
34	I.BLK	I.BLK	PD088494.D	12 May 2025 21:52		AR\AJ	Ok
35	PSTDCCC050	PSTDCCC050	PD088495.D	13 May 2025 02:17		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	PD088496.D	13 May 2025 09:14		AR\AJ	Ok
2	I.BLK	I.BLK	PD088497.D	13 May 2025 09:28		AR\AJ	Ok
3	PEM	PEM	PD088498.D	13 May 2025 09:41		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088499.D	13 May 2025 09:55		AR\AJ	Ok,M
5	PB167950BL	PB167950BL	PD088500.D	13 May 2025 10:08	Not used	AR\AJ	Not Ok
6	Q1982-01	TP-1	PD088501.D	13 May 2025 10:22		AR\AJ	Ok
7	Q1982-02	TP-2B	PD088502.D	13 May 2025 10:35		AR\AJ	Ok,M
8	Q1982-04	TP-4	PD088503.D	13 May 2025 10:49		AR\AJ	Ok,M
9	Q1982-05	TP-5	PD088504.D	13 May 2025 11:02		AR\AJ	Ok
10	Q1982-07	TP-8	PD088505.D	13 May 2025 11:16		AR\AJ	Ok,M
11	PB167925BL	PB167925BL	PD088506.D	13 May 2025 11:29		AR\AJ	Ok
12	Q1983-01DL	OR-636-COMP-01DL	PD088507.D	13 May 2025 11:43		AR\AJ	Ok,M
13	PB167969BL	PB167969BL	PD088508.D	13 May 2025 11:57		AR\AJ	Ok
14	PB167969BS	PB167969BS	PD088509.D	13 May 2025 12:10		AR\AJ	Ok
15	PB167851TB	PB167851TB	PD088510.D	13 May 2025 12:24		AR\AJ	Ok
16	Q1956-05	COMP1	PD088511.D	13 May 2025 12:37		AR\AJ	Ok
17	Q1956-05MS	COMP1MS	PD088512.D	13 May 2025 12:51		AR\AJ	Ok,M
18	Q1956-05MSD	COMP1MSD	PD088513.D	13 May 2025 13:04		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	I.BLK	I.BLK	PD088514.D	13 May 2025 13:18		AR\AJ	Ok
20	PSTDCCC050	PSTDCCC050	PD088515.D	13 May 2025 14:22		AR\AJ	Ok,M
21	Q2007-06	OR-636-COMP-10	PD088516.D	13 May 2025 14:35		AR\AJ	Ok
22	Q2007-12	OR-636-COMP-11	PD088517.D	13 May 2025 14:49		AR\AJ	Ok,M
23	Q2007-18	OR-636-COMP-12	PD088518.D	13 May 2025 15:03		AR\AJ	Ok
24	Q2007-24	OR-636-COMP-13	PD088519.D	13 May 2025 15:16		AR\AJ	Ok
25	Q2007-30	OR-636-COMP-14	PD088520.D	13 May 2025 15:30		AR\AJ	Ok
26	Q2007-36	OR-636-COMP-15	PD088521.D	13 May 2025 15:44		AR\AJ	Ok,M
27	PB167925BS	PB167925BS	PD088522.D	13 May 2025 16:16		AR\AJ	Ok
28	I.BLK	I.BLK	PD088523.D	13 May 2025 16:35		AR\AJ	Ok
29	PSTDCCC050	PSTDCCC050	PD088524.D	13 May 2025 16:48		AR\AJ	Ok,M
30	PB167959BL	PB167959BL	PD088525.D	13 May 2025 17:02		AR\AJ	Ok
31	PB167959BS	PB167959BS	PD088526.D	13 May 2025 17:15		AR\AJ	Ok
32	Q1982-08	TP-9	PD088527.D	13 May 2025 17:29		AR\AJ	Ok,M
33	Q2010-01	TP-10	PD088528.D	13 May 2025 17:43		AR\AJ	Ok,M
34	Q2010-02	TP-13	PD088529.D	13 May 2025 17:56		AR\AJ	Ok
35	Q2010-03	TP-14	PD088530.D	13 May 2025 18:10		AR\AJ	Ok
36	Q2010-04	TP-17	PD088531.D	13 May 2025 18:24		AR\AJ	Ok
37	Q2014-01	MOO-25-0134	PD088532.D	13 May 2025 18:38		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051325

Review By	Abdul	Review On	5/14/2025 8:34:03 AM		
Supervise By	mohammad	Supervise On	5/20/2025 3:33:00 AM		
SubDirectory	PD051325	HP Acquire Method		HP Processing Method	pd041825 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	

38	Q2014-03	MOO-25-0145	PD088533.D	13 May 2025 18:51		AR\AJ	Ok,M
39	Q2014-05	MOO-25-0148	PD088534.D	13 May 2025 19:05	F flag in TCX	AR\AJ	Not Ok
40	I.BLK	I.BLK	PD088535.D	13 May 2025 19:18		AR\AJ	Ok
41	PEM	PEM	PD088536.D	13 May 2025 19:32		AR\AJ	Ok,M
42	PSTDCCC050	PSTDCCC050	PD088537.D	13 May 2025 19:46		AR\AJ	Ok,M
43	Q2017-01	MH-I	PD088538.D	13 May 2025 19:59		AR\AJ	Ok
44	Q2017-05	MH-J	PD088539.D	13 May 2025 20:13		AR\AJ	Ok
45	I.BLK	I.BLK	PD088540.D	13 May 2025 20:27		AR\AJ	Ok
46	PSTDCCC050	PSTDCCC050	PD088541.D	13 May 2025 20:40		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051525

Review By	Abdul	Review On	5/16/2025 10:10:37 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:54:45 AM		
SubDirectory	PD051525	HP Acquire Method		HP Processing Method	pd041825 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	PD088550.D	15 May 2025 08:34		AR\AJ	Ok
2	I.BLK	I.BLK	PD088551.D	15 May 2025 08:47		AR\AJ	Ok
3	PEM	PEM	PD088552.D	15 May 2025 09:18		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088553.D	15 May 2025 09:32		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PD088554.D	15 May 2025 09:49		AR\AJ	Ok
6	PTOXCCC500	PTOXCCC500	PD088555.D	15 May 2025 11:06		AR\AJ	Ok,M
7	PB167959BS	PB167959BS	PD088556.D	15 May 2025 11:22	CHLOR BS	AR\AJ	Ok
8	PB167959BS	PB167959BS	PD088557.D	15 May 2025 12:17	TOX BS, ENC ccal fail	AR\AJ	Not Ok
9	Q1984-01	OU4-PCS-TC-33-05072	PD088558.D	15 May 2025 12:38		AR\AJ	Ok
10	Q1984-01MS	OU4-PCS-TC-33-05072	PD088559.D	15 May 2025 12:52		AR\AJ	Ok,M
11	Q1984-01MSD	OU4-PCS-TC-33-05072	PD088560.D	15 May 2025 13:05		AR\AJ	Ok,M
12	Q1984-03	OU4-PCS-TC-34-05072	PD088561.D	15 May 2025 13:19		AR\AJ	Ok
13	Q1984-05	OU4-PCS-TC-35-05072	PD088562.D	15 May 2025 13:33		AR\AJ	Ok
14	Q1984-07	OU4-TS-24-050725	PD088563.D	15 May 2025 13:46		AR\AJ	Ok,M
15	Q1984-09	OU4-TS-25-050725	PD088564.D	15 May 2025 14:00	DCB Low in both column	AR\AJ	ReRun
16	I.BLK	I.BLK	PD088565.D	15 May 2025 14:14		AR\AJ	Ok,M
17	PSTDCCC050	PSTDCCC050	PD088566.D	15 May 2025 15:11		AR\AJ	Ok,M
18	PCHLORCCC500	PCHLORCCC500	PD088567.D	15 May 2025 15:59		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051525

Review By	Abdul	Review On	5/16/2025 10:10:37 AM		
Supervise By	mohammad	Supervise On	5/20/2025 2:54:45 AM		
SubDirectory	PD051525	HP Acquire Method		HP Processing Method	pd041825 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	PTOXCCC500	PTOXCCC500	PD088568.D	15 May 2025 17:54	CCAL fail	AR\AJ	Not Ok
20	Q1984-11	OU4-TS-26-050725	PD088569.D	15 May 2025 18:08	DCB Low in both column	AR\AJ	ReRun
21	Q1984-13	OU4-TS-27-050725	PD088570.D	15 May 2025 18:22	DCB Low in both column	AR\AJ	ReRun
22	Q1984-15	OU4-TS-28-050725	PD088571.D	15 May 2025 18:35	DCB Low in both column	AR\AJ	ReRun
23	I.BLK	I.BLK	PD088572.D	15 May 2025 18:49		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PD088573.D	15 May 2025 19:02	Comp#2 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1929-14	WC-A4-02-C	1	1.15	10.65	11.8	10.38	86.7	
Q1929-15	WC-A1-03-C	2	1.18	10.06	11.24	9.00	77.7	
Q1929-16	WC-A1-04-C	3	1.17	10.24	11.41	9.52	81.5	
Q1982-01	TP-1	4	1.15	10.33	11.48	9.51	80.9	
Q1982-02	TP-2B	5	1.18	10.20	11.38	9.85	85.0	
Q1982-03	TP-3	6	1.18	10.54	11.72	10.74	90.7	
Q1982-04	TP-4	7	1.19	10.07	11.26	9.99	87.4	
Q1982-05	TP-5	8	1.18	10.08	11.26	10.24	89.9	
Q1982-06	TP-6	9	1.16	10.74	11.9	10.42	86.2	
Q1982-07	TP-7	10	1.19	10.23	11.42	9.75	83.7	
Q1982-08	TP-8	11	1.16	10.42	11.58	9.63	81.3	
Q1983-01	OR-636-COMP-01	12	1.16	10.07	11.23	10.1	88.8	
Q1983-02	OR-636-VOC-01	13	1.18	10.23	11.41	9.74	83.7	
Q1983-03	OR-636-01	14	1.16	9.92	11.08	9.73	86.4	
Q1983-04	OR-636-02	15	1.19	10.30	11.49	10.15	87.0	
Q1983-05	OR-636-03	16	1.15	9.56	10.71	9.77	90.2	
Q1983-07	OR-636-COMP-02	17	1.17	10.61	11.78	10.6	88.9	
Q1983-08	OR-636-VOC-02	18	1.12	10.72	11.84	10.58	88.2	
Q1983-09	OR-636-04	19	1.17	10.05	11.22	9.89	86.8	
Q1983-10	OR-636-05	20	1.19	10.59	11.78	10.78	90.6	
Q1983-11	OR-636-06	21	1.18	10.14	11.32	10.02	87.2	
Q1983-13	OR-636-COMP-03	22	1.14	10.30	11.44	10.75	93.3	
Q1983-14	OR-636-VOC-03	23	1.15	10.36	11.51	10.61	91.3	
Q1983-15	OR-636-07	24	1.16	10.64	11.8	11.39	96.1	
Q1983-16	OR-636-08	25	1.14	10.73	11.87	10.89	90.9	
Q1983-17	OR-636-09	26	1.18	10.44	11.62	10.74	91.6	
Q1983-19	OR-636-COMP-04	27	1.18	10.81	11.99	11.05	91.3	
Q1983-20	OR-636-VOC-04	28	1.15	10.33	11.48	9.6	81.8	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1983-21	OR-636-10	29	1.19	10.51	11.7	10.72	90.7	
Q1983-22	OR-636-11	30	1.19	10.59	11.78	10.5	87.9	
Q1983-23	OR-636-12	31	1.15	10.43	11.58	9.76	82.6	
Q1983-25	OR-636-COMP-05	32	1.17	9.97	11.14	9.07	79.2	
Q1983-26	OR-636-VOC-05	33	1.16	10.04	11.2	9.08	78.9	
Q1983-27	OR-636-13	34	1.14	10.53	11.67	11.04	94.0	
Q1983-28	OR-636-14	35	1.15	10.52	11.67	10.00	84.1	
Q1983-29	OR-636-15	36	1.16	10.35	11.51	9.74	82.9	
Q1983-31	OR-636-COMP-06	37	1.15	9.84	10.99	9.52	85.1	
Q1983-32	OR-636-VOC-06	38	1.17	10.61	11.78	10.78	90.6	
Q1983-33	OR-636-16	39	1.19	9.73	10.92	10.4	94.7	
Q1983-34	OR-636-17	40	1.13	10.55	11.68	10.37	87.6	
Q1983-35	OR-636-18	41	1.18	10.15	11.33	9.59	82.9	
Q1983-37	OR-636-COMP-07	42	1.18	10.44	11.62	10.35	87.8	
Q1983-38	OR-636-VOC-07	43	1.12	10.77	11.89	10.88	90.6	
Q1983-39	OR-636-19	44	1.15	9.66	10.81	9.34	84.8	
Q1983-40	OR-636-20	45	1.18	10.29	11.47	10.21	87.8	
Q1983-41	OR-636-21	46	1.14	10.58	11.72	10.5	88.5	
Q1983-43	OR-636-COMP-08	47	1.15	10.25	11.4	10.45	90.7	
Q1983-44	OR-636-VOC-08	48	1.16	9.97	11.13	10.78	96.5	
Q1983-45	OR-636-22	49	1.13	10.62	11.75	10.91	92.1	
Q1983-46	OR-636-23	50	1.19	9.96	11.15	10.05	89.0	
Q1983-47	OR-636-24	51	1.13	10.33	11.46	11.18	97.3	
Q1983-49	OR-636-COMP-09	52	1.13	10.36	11.49	10.31	88.6	
Q1983-50	OR-636-VOC-09	53	1.19	10.54	11.73	10.1	84.5	
Q1983-51	OR-636-25	54	1.16	10.09	11.25	9.61	83.7	
Q1983-52	OR-636-26	55	1.18	10.11	11.29	9.93	86.5	
Q1983-53	OR-636-27	56	1.16	9.66	10.82	10.34	95.0	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135705

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
Q1984-01	OU4-PCS-TC-33-050725	57	1.15	9.96	11.11	10.62	95.1	
Q1984-03	OU4-PCS-TC-34-050725	58	1.16	10.82	11.98	11.51	95.7	
Q1984-05	OU4-PCS-TC-35-050725	59	1.19	9.50	10.69	10.16	94.4	
Q1984-07	OU4-TS-24-050725	60	1.15	10.00	11.15	8.12	69.7	
Q1984-09	OU4-TS-25-050725	61	1.17	10.51	11.68	8.32	68.0	
Q1984-11	OU4-TS-26-050725	62	1.17	10.18	11.35	7.29	60.1	
Q1984-13	OU4-TS-27-050725	63	1.16	9.67	10.83	7.2	62.5	
Q1984-15	OU4-TS-28-050725	64	1.16	9.98	11.14	7.61	64.6	
Q1986-01	COMP-8	65	1.18	10.04	11.22	10.5	92.8	
Q1986-03	COMP-9	66	1.18	10.05	11.23	10.44	92.1	
Q1986-05	COMP-10	67	1.16	9.77	10.93	9.84	88.8	
Q1986-07	COMP-11	68	1.19	10.33	11.52	10.55	90.6	
Q1986-09	COMP-218	69	1.16	10.18	11.34	10.45	91.3	
Q1987-01	GC1	70	1.14	9.89	11.03	9.7	86.6	
Q1990-01	43025-A	71	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1990-02	43025-B	72	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1991-01	1217	73	1.00	1.00	2.00	2.00	100.0	oil sample
Q1991-03	30425	74	1.00	1.00	2.00	2.00	100.0	oil sample

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

WORKLIST(Hardcopy Internal Chain)

VB 135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1929-14	WC-A4-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-15	WC-A1-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-16	WC-A1-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1982-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-02	TP-2B	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-03	TP-3	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-04	TP-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-05	TP-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-06	TP-6	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-07	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-08	TP-8	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-01	OR-636-COMP-01	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-02	OR-636-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-03	OR-636-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-04	OR-636-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-05	OR-636-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-07	OR-636-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-08	OR-636-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-09	OR-636-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-10	OR-636-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-11	OR-636-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05108125 151.00

Raw Sample Received by: [illegible] (WQC)

Raw Sample Relinquished by: [signature]

Date/Time 05108125 1730

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [illegible] (WQC)

WORKLIST(Hardcopy Internal Chain)

NB 135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-13	OR-636-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-14	OR-636-VOC-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-15	OR-636-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-16	OR-636-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-17	OR-636-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-19	OR-636-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-20	OR-636-VOC-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-21	OR-636-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-22	OR-636-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-23	OR-636-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-25	OR-636-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-26	OR-636-VOC-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-27	OR-636-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-28	OR-636-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-29	OR-636-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-31	OR-636-COMP-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-32	OR-636-VOC-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-33	OR-636-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-34	OR-636-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-35	OR-636-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-37	OR-636-COMP-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: JB WOC

Raw Sample Relinquished by: CP

Date/Time 05/08/25 17:30

Raw Sample Received by: CP

Raw Sample Relinquished by: JB WOC

WORKLIST(Hardcopy Internal Chain)

135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-38	OR-636-VOC-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-39	OR-636-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-40	OR-636-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-41	OR-636-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-43	OR-636-COMP-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-44	OR-636-VOC-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-45	OR-636-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-46	OR-636-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-47	OR-636-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-49	OR-636-COMP-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-50	OR-636-VOC-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-51	OR-636-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-52	OR-636-26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-53	OR-636-27	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1984-01	OU4-PCS-TC-33-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-03	OU4-PCS-TC-34-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-05	OU4-PCS-TC-35-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-07	OU4-TS-24-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-09	OU4-TS-25-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-11	OU4-TS-26-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-13	OU4-TS-27-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 05/08/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

LB135705

WorkList Name : %1-050825 **WorkList ID :** 189376 **Department :** Wet-Chemistry **Date :** 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-15	OU4-TS-28-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1986-01	COMP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-03	COMP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-05	COMP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-07	COMP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-09	COMP-218	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1987-01	GC1	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/07/2025	Chemtech -SO
Q1990-01	43025-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1990-02	43025-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-01	1217	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-03	30425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: LWOJ

Raw Sample Relinquished by:

Date/Time 05/08/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: LWOJ

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167950

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	05/12/2025
Matrix :	Solid			**Extraction Start Time :**	09:05
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/12/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24460
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	EP2611
Sand	N/A	E2865
Hexane	N/A	E3933
Florisil	N/A	E3806
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:

40 ML Vial lot# 03-40 BTS723.

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
5/12/25	RS (Ext Lab)	Pest/PCB Lab
12:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167950

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/12/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167950BL	PBLK950	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U1-1
PB167950BS	PLCS950	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1982-01	TP-1	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		3
Q1982-01MS	TP-1MS	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q1982-01MSD	TP-1MSD	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		5
Q1982-02	TP-2B	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	E		6
Q1982-03	TP-3	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q1982-04	TP-4	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q1982-05	TP-5	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q1982-06	TP-6	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q1982-07	TP-8	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q2002-01	EO-02-05092025	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		6
Q2004-01	VNJ-220	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		U3-1
Q2004-03	2811	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		2
Q2004-05	R0202	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q2004-07	205510	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2004-09	SOIL-STOCK	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q2004-11	STONE-STOCK	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	B	Stone	6
Q2007-01	OR-636-COMP-10	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		U7-1
Q2007-07	OR-636-COMP-11	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q2007-13	OR-636-COMP-12	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2007-19	OR-636-COMP-13	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		4
Q2007-25	OR-636-COMP-14	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		5
Q2007-31	OR-636-COMP-15	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		6

RG 5/12

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

16795
9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1982 **WorkList ID :** 189439 **Department :** Extraction **Date :** 05-12-2025 08:58:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-01	TP-1	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-02	TP-2B	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-03	TP-3	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-04	TP-4	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-05	TP-5	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-06	TP-6	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1982-07	TP-8	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q2002-01	EO-02-05092025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L41	05/09/2025	8081B
Q2004-01	VNJ-220	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-03	2811	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-05	R0202	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-07	205510	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-09	SOIL-STOCK	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2004-11	STONE-STOCK	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-01	OR-636-COMP-10	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-07	OR-636-COMP-11	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-13	OR-636-COMP-12	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-19	OR-636-COMP-13	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-25	OR-636-COMP-14	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B
Q2007-31	OR-636-COMP-15	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/09/2025	8081B

RJ 5/16

Date/Time 5/12/25 9:00
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: CP SM

Date/Time 5/12/25 9:36
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Ext Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167959

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	05/13/2025
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/13/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24460
Spike Sol 2	2.0ML	1000 PPB	PP24081
Spike Sol 3	2.0ML	1000 PPB	PP24080
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	EP2611
Sand	N/A	E2865
Hexane	N/A	E3933
Florisil	N/A	E3806
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
5/13/25	RJ (Ext-lab)	AR Pest/PCB Lab
11:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167959

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/13/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167959BL	PBLK959	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U1-1
PB167959BS	PLCS959	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1982-08	TP-9	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q1984-01	OU4-PCS-TC-33-050725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q1984-01MS	OU4-PCS-TC-33-050725MS	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5
Q1984-01MSD	OU4-PCS-TC-33-050725MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q1984-03	OU4-PCS-TC-34-050725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		U2-1
Q1984-05	OU4-PCS-TC-35-050725	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		2
Q1984-07	OU4-TS-24-050725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q1984-09	OU4-TS-25-050725	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q1984-11	OU4-TS-26-050725	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q1984-13	OU4-TS-27-050725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		6
Q1984-15	OU4-TS-28-050725	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U3-1
Q2010-01	TP-10	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q2010-02	TP-13	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		3
Q2010-03	TP-14	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2010-04	TP-17	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5
Q2014-01	MOO-25-0134	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E	Small Particles	6
Q2014-03	MOO-25-0145	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E	Small Particles	U7-1
Q2014-05	MOO-25-0148	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E	Small Particles	2
Q2017-01	MH-I	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		3
Q2017-05	MH-J	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	A		4

RJ 5/13

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

167959 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2010 **WorkList ID :** 189474 **Department :** Extraction **Date :** 05-13-2025 08:25:45

RS 5/16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-08	TP-9	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/07/2025	8081B
Q1984-01	OU4-PCS-TC-33-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-03	OU4-PCS-TC-34-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-05	OU4-PCS-TC-35-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-07	OU4-TS-24-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-09	OU4-TS-25-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-11	OU4-TS-26-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-13	OU4-TS-27-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q1984-15	OU4-TS-28-050725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	05/07/2025	8081B
Q2010-01	TP-10	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L51	05/08/2025	8081B
Q2010-02	TP-13	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L51	05/08/2025	8081B
Q2010-03	TP-14	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L51	05/08/2025	8081B
Q2010-04	TP-17	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L51	05/08/2025	8081B
Q2014-01	MOO-25-0134	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B
Q2014-03	MOO-25-0145	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B
Q2014-05	MOO-25-0148	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B
Q2017-01	MH-I	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B
Q2017-05	MH-J	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/12/2025	8081B

Date/Time 5/13/25 8:25
Raw Sample Received by: RJ (EA Labs)
Raw Sample Relinquished by: CP SM

Date/Time 5/13/25 9:05
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (EA Labs)

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Prep Standard - Chemical Standard Summary

Order ID : Q1982

Test : Pesticide-TCL

Prepbatch ID : PB167950,PB167959,

Sequence ID/Qc Batch ID: pd051225,pd051325,pd051525,

Standard ID :
EP2611,EP2613,PP24080,PP24081,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,PP24460,

Chemical ID :
E2865,E3551,E3806,E3843,E3847,E3876,E3877,E3914,E3917,E3932,E3933,P12600,P12603,P 12611,P13037,P13040,P13195,P13245,P13355,P13356,P13404,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
3923	Baked Sodium Sulfate	EP2611	05/09/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24080	12/16/2024	06/05/2025	Abdul Mirza	None	None	Ankita Jodhani 12/17/2024

FROM 0.10000ml of P13404 + 99.90000ml of E3843 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24081	12/16/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani 12/17/2024

FROM 0.10000ml of P12600 = 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
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

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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

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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

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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

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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

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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	PP24460	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel 04/16/2025

FROM 1.00000ml of P13355 + 999.00000ml of E3917 = Final Quantity: 1000.000 ml

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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	07/01/2025	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 #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	09/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

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	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	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

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	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

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 #
Restek	32021 / Chlordane Std.	A0193299	06/16/2025	12/16/2024 / Abdul	07/03/2023 / Abdul	P12600

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	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

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

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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	10/11/2025	04/11/2025 / Abdul	04/22/2024 / Abdul	P13355

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	32005 / Toxaphene Standard	A0203038	06/16/2025	12/16/2024 / Abdul	05/15/2024 / Abdul	P13404

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

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 #
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

(7)

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P12596 (7)
↓
P12602

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.)

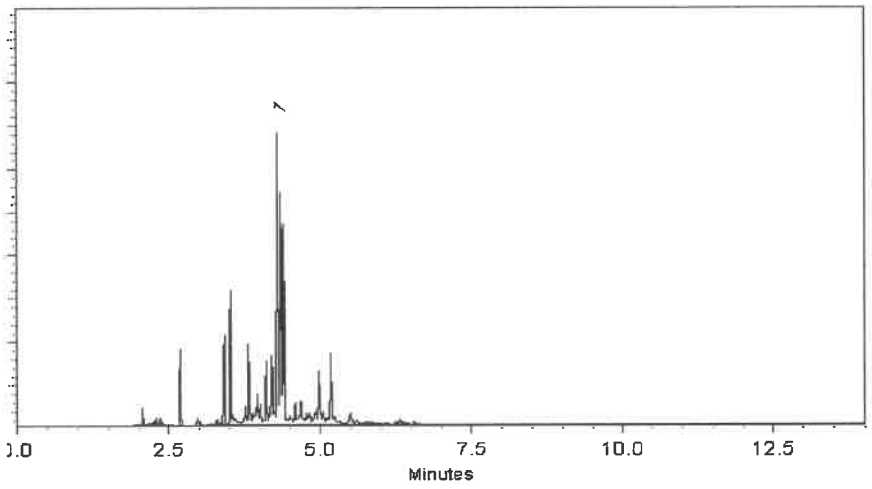
Inj. Temp:
250°C

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

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 %

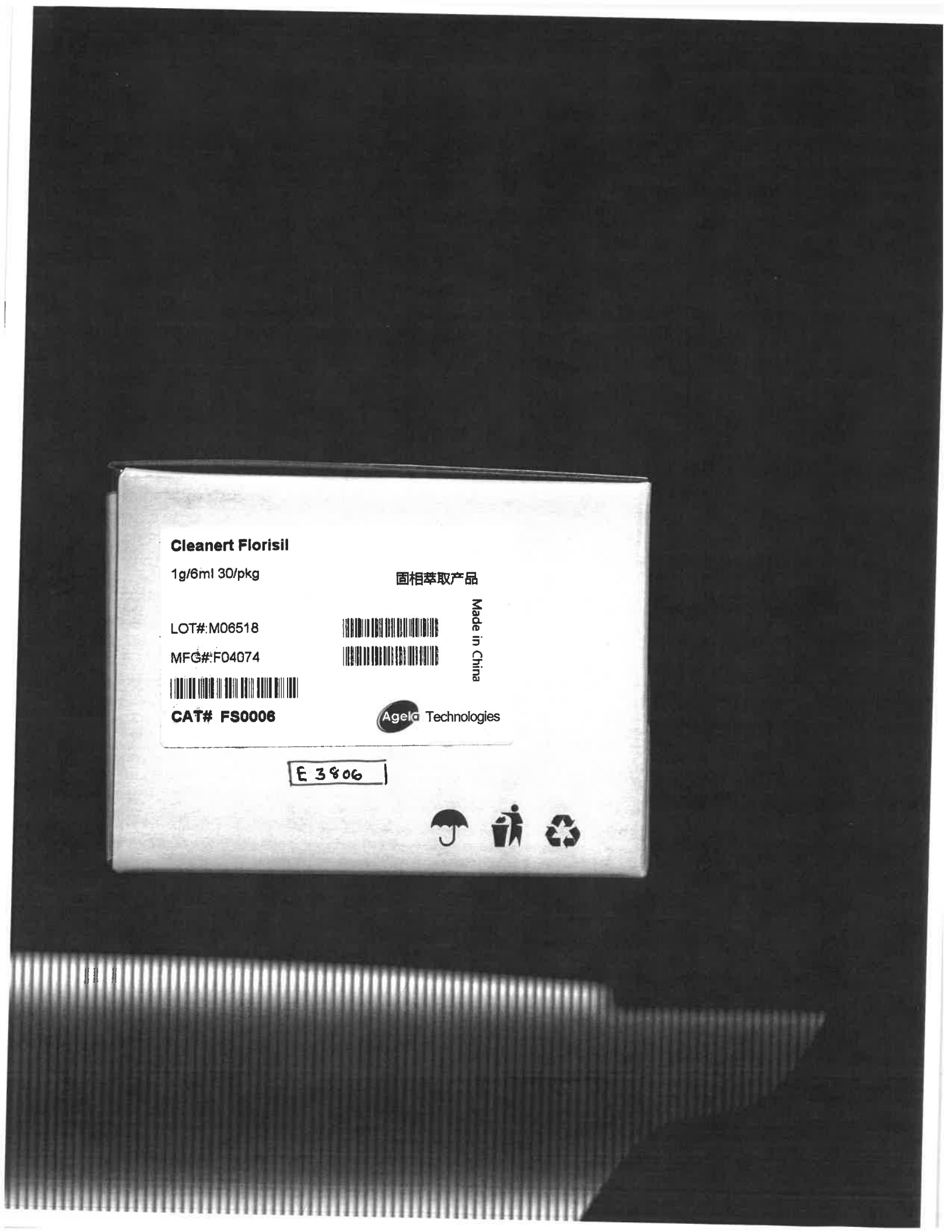
COMMENTS

QC: PhC Irma Belmares

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

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551


Cleanert Florisil
1g/6ml 30/pkg
固相萃取产品
LOT#:M06518
MFG#:F04074
CAT# FS0006
Made in China
Agela Technologies
E3806

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 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 %	<0.1 %
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

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

Recd. by RP on 12/5/24

E 3843

J Croak

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.: 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

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 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 %	<0.1 %
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

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

Recd. by RP on 03/31/25

E3917

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

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

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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

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

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

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

7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,010.0 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.)

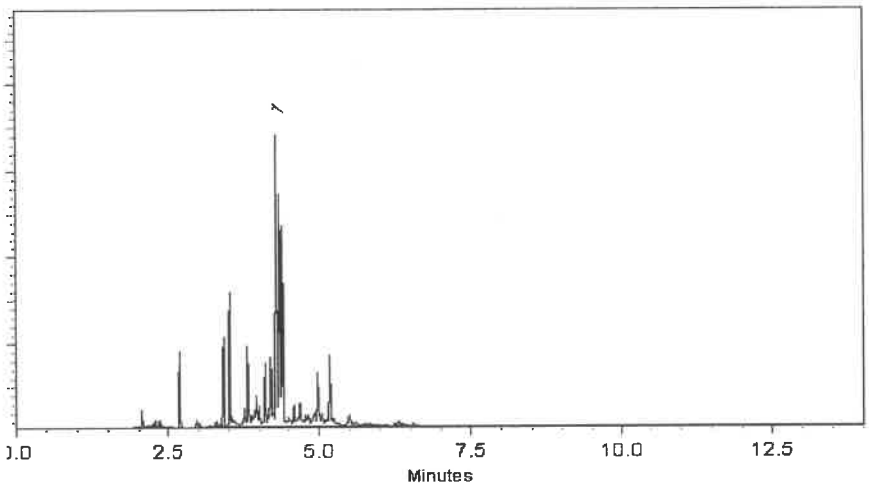
Inj. Temp:
250°C

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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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.

P130397 } 5
↓
P130431

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

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 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.)

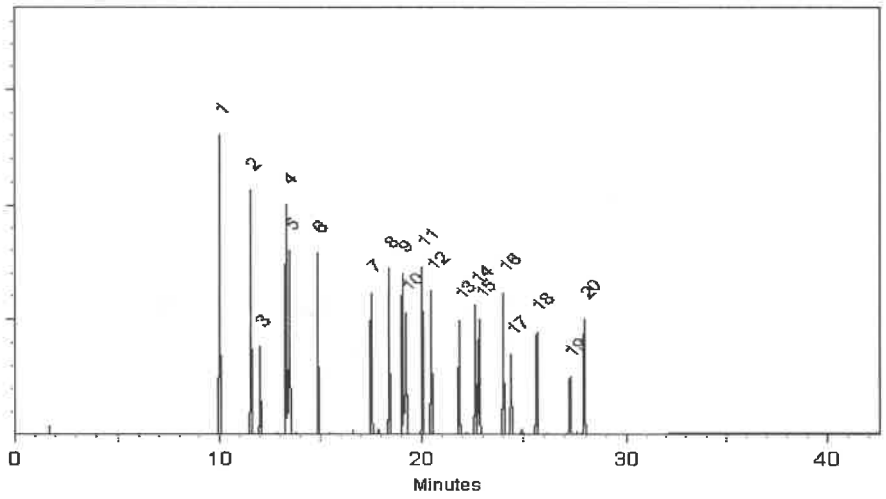
Inj. Temp:
200°C

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

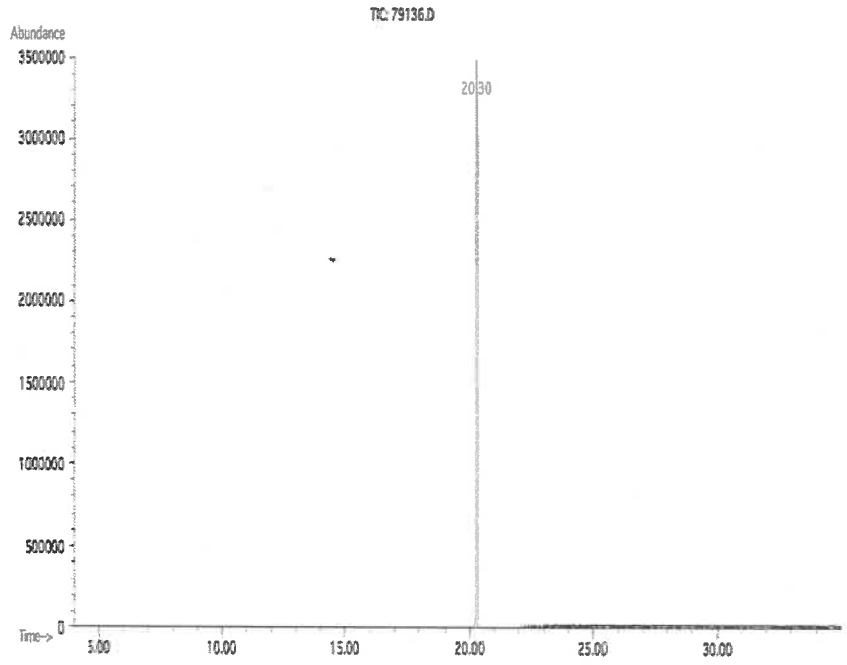
Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

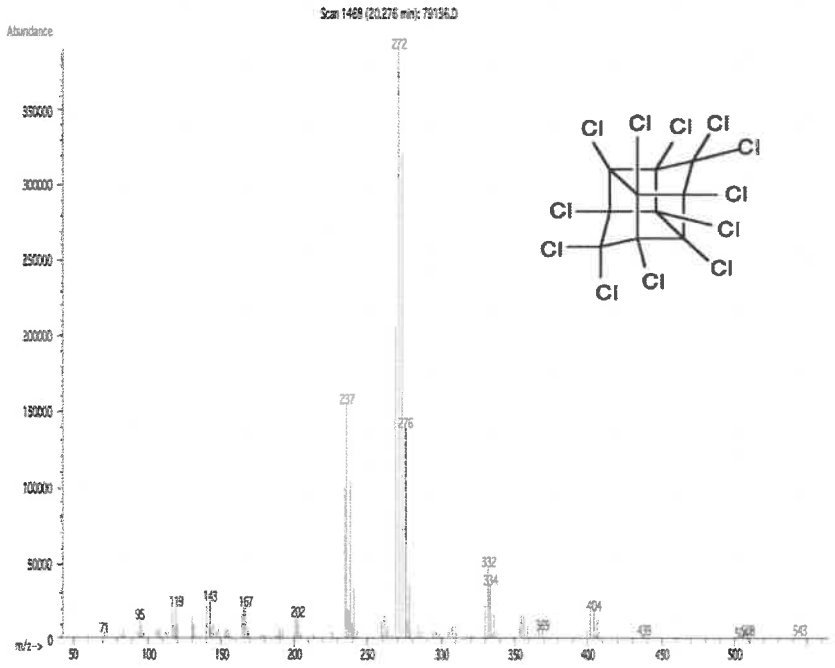
Prashant Chauhan 042022
Formulated By: Prashant Chauhan DATE

Pedro 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

5

01/17/2024

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

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.)

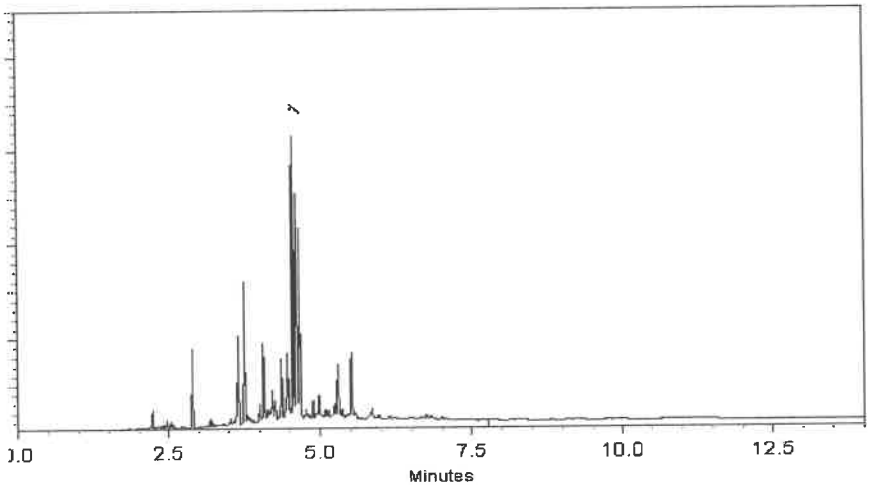
Inj. Temp:
250°C

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 ↓ P 13038 5

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.)

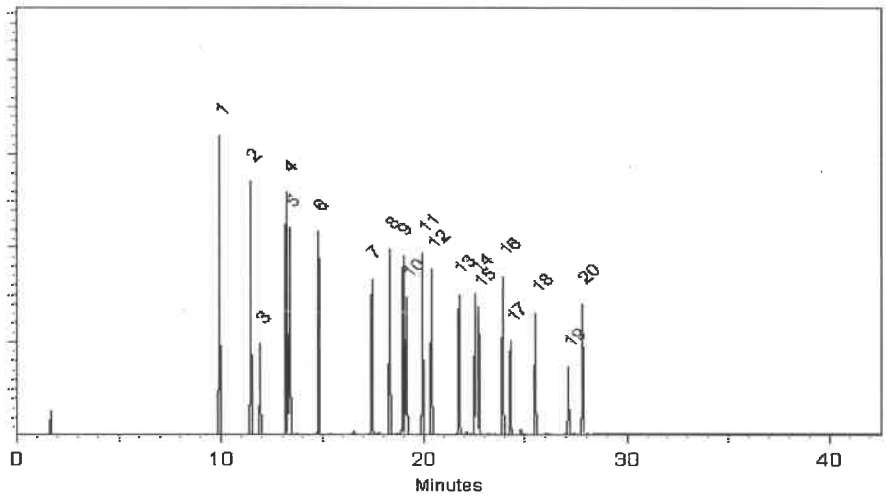
Inj. Temp:
200°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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P13348 ↓ P13357 (10)

04/25/2024

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

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.)

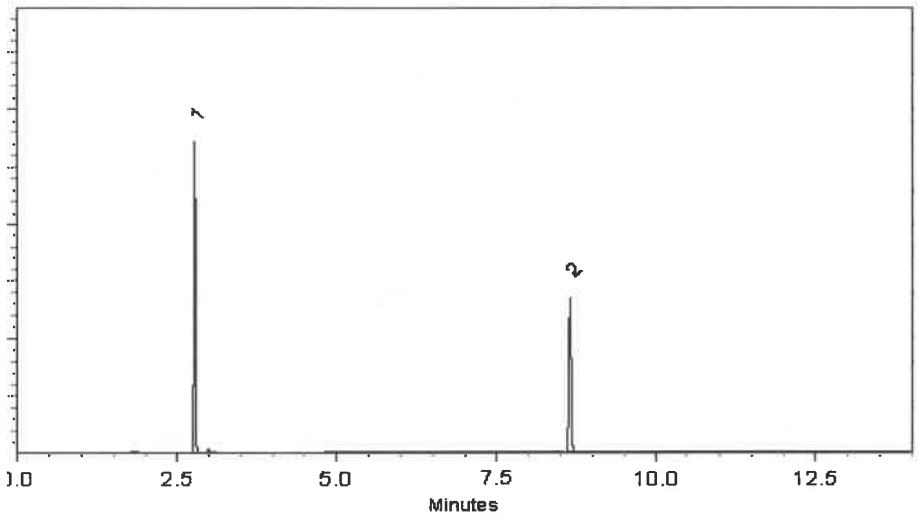
Inj. Temp:
250°C

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

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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.

P13348 ↓ P13357 (10)

04/25/2024

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

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.)

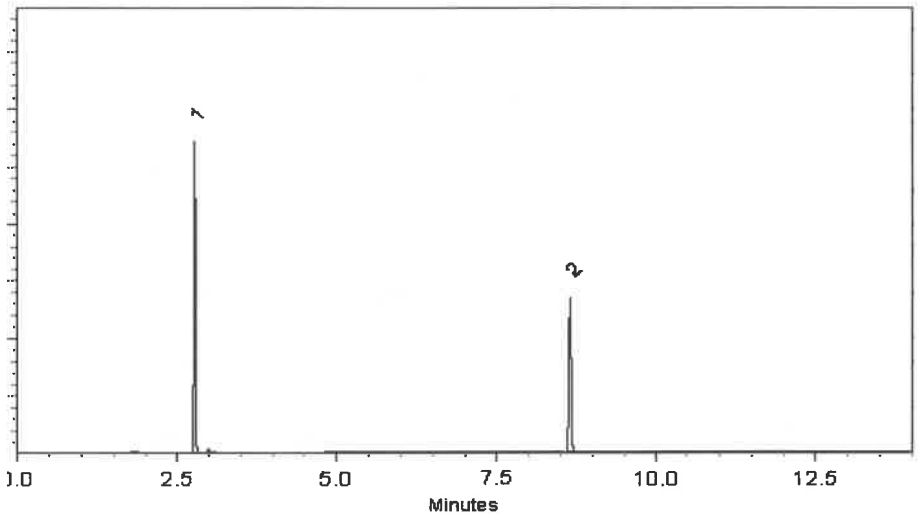
Inj. Temp:
250°C

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

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

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Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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.)

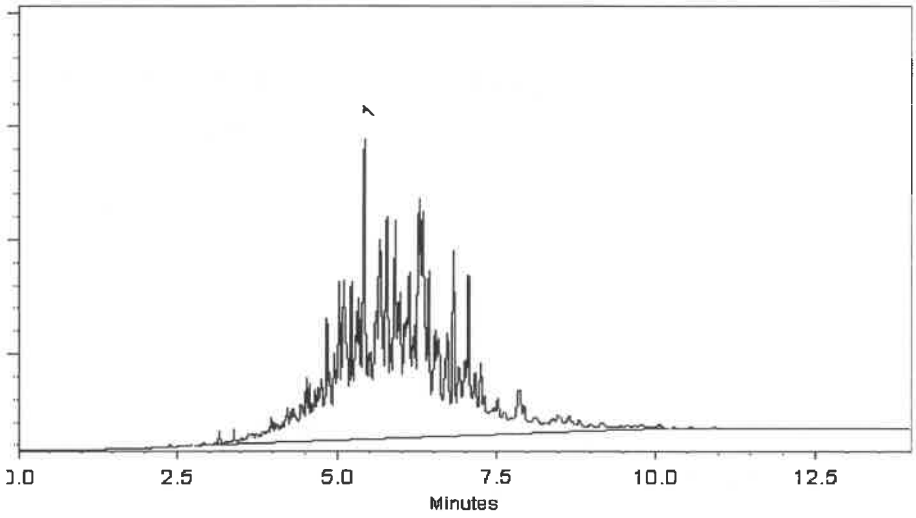
Inj. Temp:
250°C

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
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Fax: 1-814-353-1309

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Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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.)

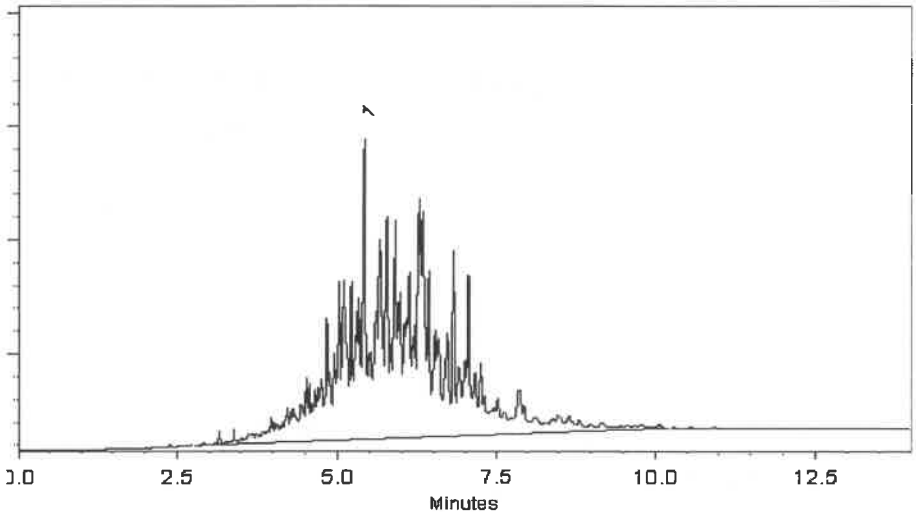
Inj. Temp:
250°C

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
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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.)

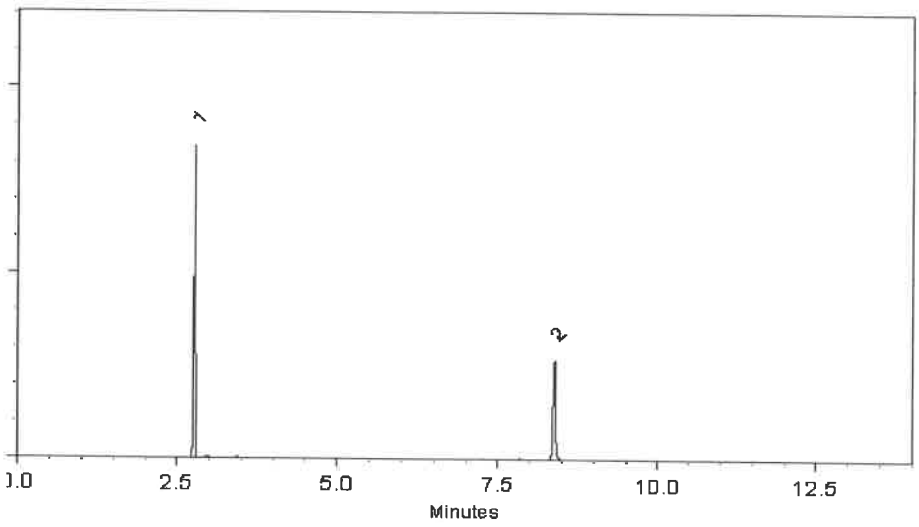
Inj. Temp:
250°C

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

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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.)

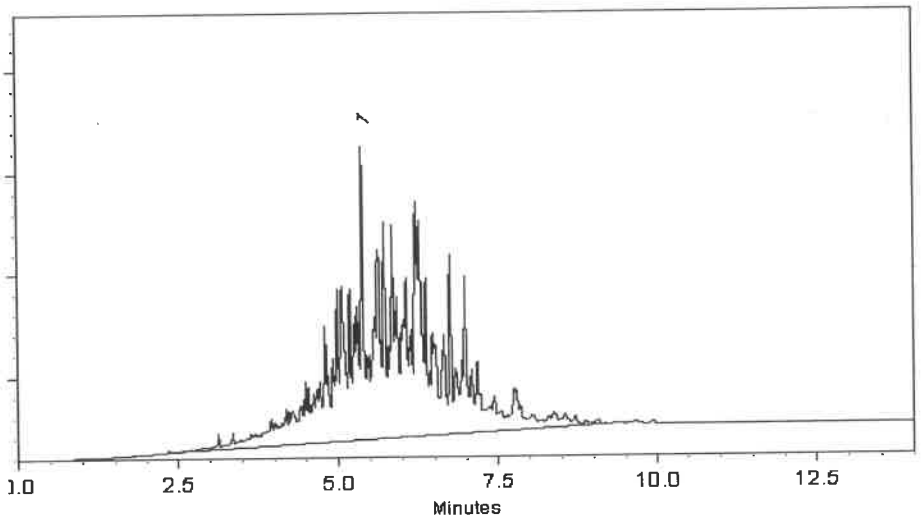
Inj. Temp:
250°C

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

Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

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

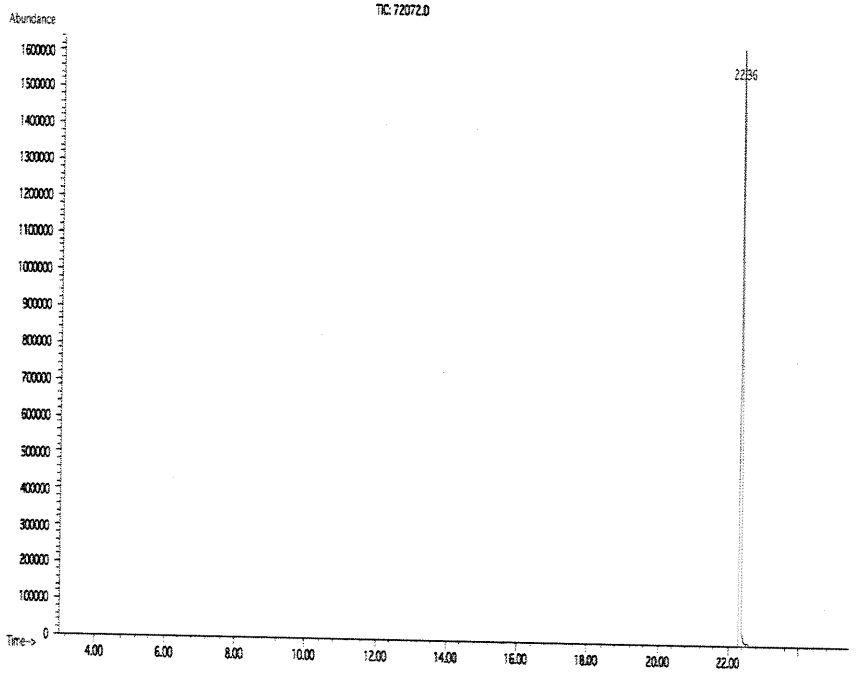
Received by SG on 11/1/19
P9044 - P9053

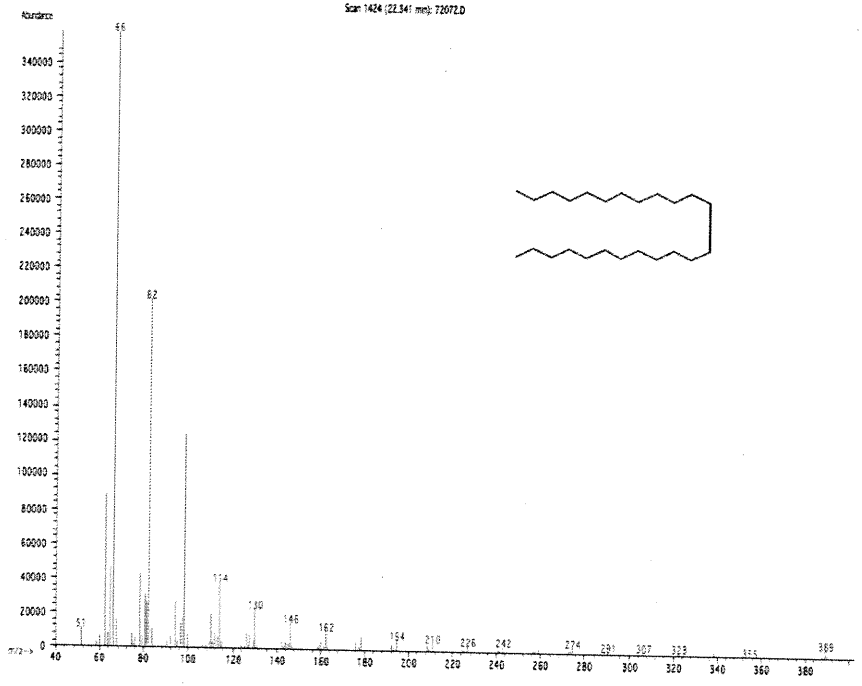
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

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.





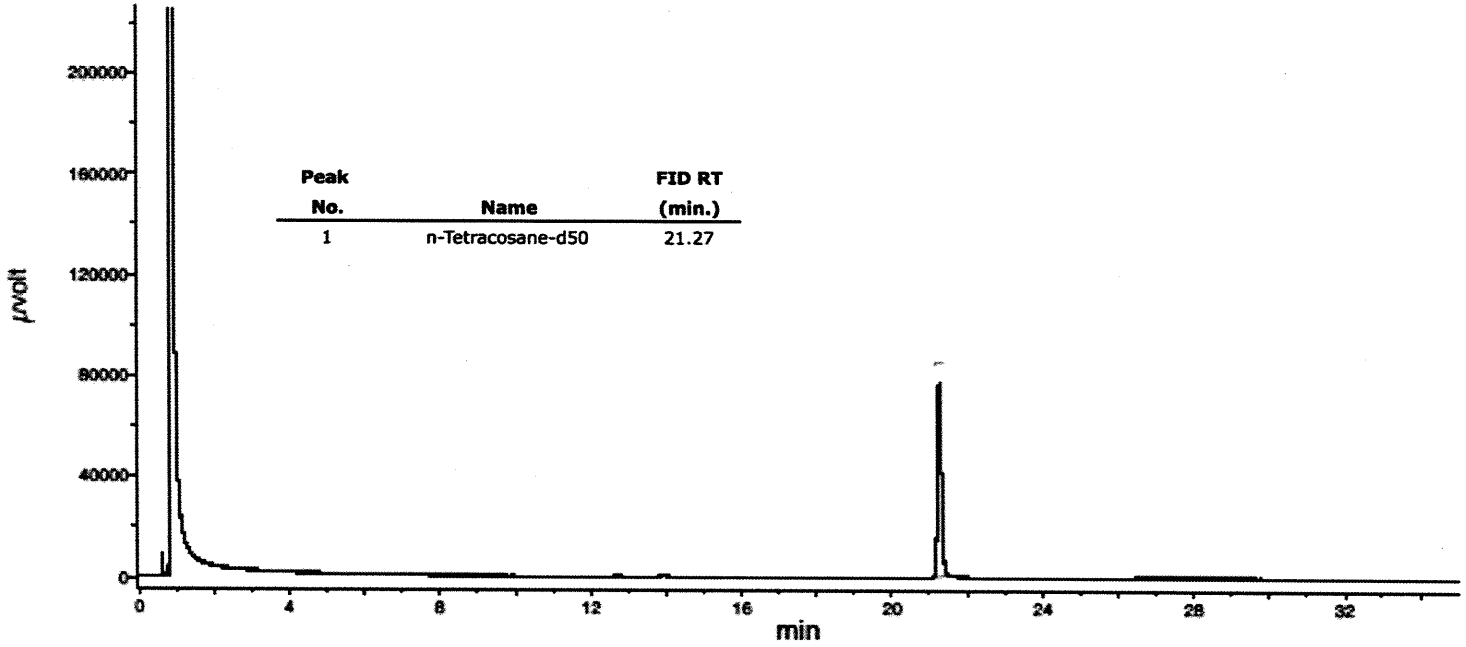
- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated 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. Q1982
COC Number 2047009

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: 7322257851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER
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. TAL METALS
4. PCBs
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-1	SOIL		X	5/6/25	0837	6	X	X	X	X	X	X	X			E
2.	TP-2B	SOIL		X	5/6/25	1116	6	X	X	X	X	X	X	X			E
3.	TP-3	SOIL		X	5/6/25	1310	6	X	X	X	X	X	X	X			E
4.	TP-4	SOIL		X	5/7/25	0815	6	X	X	X	X	X	X	X			E
5.	TP-5	SOIL		X	5/7/25	1047	6	X	X	X	X	X	X	X			E
6.	TP-6	SOIL		X	5/7/25	1150	6	X	X	X	X	X	X	X			E
7.	TP-8	SOIL		X	5/7/25	1245	6	X	X	X	X	X	X	X			E
8.	TP-9	SOIL		X	5/7/25	1330	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:	DATE/TIME
1.	5/7/25 1455	1.	1455 5-7-25
2.		2.	
3.	DATE/TIME: 1600 5-7-25	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: Temp 3.1° CAdjustment Factor + DIR Gun #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1982 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/7/2025 3:20:42 PM
Project Name : South River WM Replacem
Receive DateTime : 5/7/2025 ~~12:00:00~~ AM 16:02
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ Reduce
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1982-01	TP-1	Solid	~~05/07/2025~~ 05/06/2025	08:37	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-02	TP-2B	Solid	~~05/07/2025~~ 05/06/2025	11:16	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-03	TP-3	Solid	~~05/07/2025~~ 05/06/2025	13:10	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-04	TP-4	Solid	05/07/2025	08:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-05	TP-5	Solid	05/07/2025	10:47	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-06	TP-6	Solid	05/07/2025	11:50	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-07	~~TP-7~~ TP-8	Solid	05/07/2025	12:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1982-08	~~TP-8~~ TP-9	Solid	05/07/2025	13:30					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1982 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/7/2025 3:20:42 PM
Project Name : South River WM Replacem
Receive DateTime : 5/7/2025 ~~12:00:00 AM~~ 16:02
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ Reduce
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinguished By : [signature]
Date / Time : 5/8/25 0850

Received By : Sam
Date / Time : 05/08/25 08:50

Storage Area : VOA Refridgerator Room

RB46
D22