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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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LAB CHRONICLE

OrderID:	Q1903	**OrderDate:**	4/28/2025 11:30:00 AM
Client:	Kleinfelder	**Project:**	Mitchell School
Contact:	Mark Warchol	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1903-01	**COMP-4**	**SOIL**			**04/25/25**			**04/28/25**
			PCB Group1	8082A		04/29/25	04/29/25	
			PESTICIDE Group1	8081B		04/29/25	04/29/25	
Q1903-02	**COMP-5**	**SOIL**			**04/25/25**			**04/28/25**
			PCB Group1	8082A		04/29/25	04/29/25	
			PESTICIDE Group1	8081B		04/29/25	04/29/25	
Q1903-03	**COMP-6**	**SOIL**			**04/25/25**			**04/28/25**
			PCB Group1	8082A		04/29/25	04/29/25	
			PESTICIDE Group1	8081B		04/29/25	04/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1903 **Order ID:** Q1903

Client: Kleinfelder **Project ID:** Mitchell School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

QC SUMMARY

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Surrogate Summary

SDG No.: Q1903

Client: Kleinfelder

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-PD088320.D	PIBLK-PD088320.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	18.7	93		77	126
		Decachlorobiphenyl	2	20	17.6	88		43	140
		Tetrachloro-m-xylene	2	20	18.0	90		77	126
PB167777BL	PB167777BL	Decachlorobiphenyl	1	20	18.0	90		20	144
		Tetrachloro-m-xylene	1	20	17.6	88		19	148
		Decachlorobiphenyl	2	20	17.0	85		20	144
		Tetrachloro-m-xylene	2	20	18.1	91		19	148
PB167777BS	PB167777BS	Decachlorobiphenyl	1	20	21.6	108		20	144
		Tetrachloro-m-xylene	1	20	20.8	104		19	148
		Decachlorobiphenyl	2	20	20.5	102		20	144
		Tetrachloro-m-xylene	2	20	21.6	108		19	148
Q1903-01	COMP-4	Decachlorobiphenyl	1	20	19.3	97		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	16.4	82		20	144
		Tetrachloro-m-xylene	2	20	20.0	100		19	148
Q1903-01MS	COMP-4MS	Decachlorobiphenyl	1	20	16.4	82		20	144
		Tetrachloro-m-xylene	1	20	16.7	84		19	148
		Decachlorobiphenyl	2	20	15.2	76		20	144
		Tetrachloro-m-xylene	2	20	17.4	87		19	148
Q1903-01MSD	COMP-4MSD	Decachlorobiphenyl	1	20	16.6	83		20	144
		Tetrachloro-m-xylene	1	20	16.8	84		19	148
		Decachlorobiphenyl	2	20	15.2	76		20	144
		Tetrachloro-m-xylene	2	20	17.5	88		19	148
I.BLK-PD088333.D	PIBLK-PD088333.D	Decachlorobiphenyl	1	20	19.3	97		43	140
		Tetrachloro-m-xylene	1	20	19.2	96		77	126
		Decachlorobiphenyl	2	20	17.9	90		43	140
		Tetrachloro-m-xylene	2	20	19.1	95		77	126
Q1903-02	COMP-5	Decachlorobiphenyl	1	20	16.7	84		20	144
		Tetrachloro-m-xylene	1	20	19.2	96		19	148
		Decachlorobiphenyl	2	20	15.3	76		20	144
		Tetrachloro-m-xylene	2	20	18.9	94		19	148
Q1903-03	COMP-6	Decachlorobiphenyl	1	20	18.5	93		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	17.3	86		20	144
		Tetrachloro-m-xylene	2	20	19.7	99		19	148
I.BLK-PD088343.D	PIBLK-PD088343.D	Decachlorobiphenyl	1	20	18.8	94		43	140

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Surrogate Summary

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PD088343.D	PIBLK-PD088343.D	Tetrachloro-m-xylene	1	20	19.3	96		77	126
		Decachlorobiphenyl	2	20	15.8	79		43	140
		Tetrachloro-m-xylene	2	20	18.9	94		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: 8081B **DataFile :** PD088331.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**COMP-4MS**											
Q1903-01MS	Aldrin	20	0	18.9	ug/kg	95				49	139	
	Dieldrin	20	0	19.0	ug/kg	95				47	161	
	4,4'-DDE	20	0	18.4	ug/kg	92				55	136	
	4,4'-DDD	20	0	19.2	ug/kg	96				47	163	
	4,4'-DDT	20	0	17.2	ug/kg	86				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: 8081B **DataFile :** PD088332.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**COMP-4MSD**											
Q1903-01MSD	Aldrin	19.98	0	19.0	ug/kg	95		0		49	139	20
	Dieldrin	19.98	0	19.1	ug/kg	96		1		47	161	20
	4,4'-DDE	19.98	0	18.5	ug/kg	93		1		55	136	20
	4,4'-DDD	19.98	0	19.4	ug/kg	97		1		47	163	20
	4,4'-DDT	19.98	0	16.8	ug/kg	84		2		51	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: 8081B **Datafile :** PD088324.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167777BS	Aldrin	16.66	17.5	ug/kg	105				82	124	
	Dieldrin	16.66	17.9	ug/kg	107				85	121	
	4,4'-DDE	16.66	17.4	ug/kg	104				81	123	
	4,4'-DDD	16.66	17.8	ug/kg	107				80	131	
	4,4'-DDT	16.66	17.1	ug/kg	103				70	129	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167777BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Lab Sample ID: PB167777BL Lab File ID: PD088323.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 04/29/2025

Date Analyzed (1): 04/29/2025 Date Analyzed (2): 04/29/2025

Time Analyzed (1): 12:52 Time Analyzed (2): 12:52

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
PB167777BS	PB167777BS	PD088324.D	04/29/2025	04/29/2025
COMP-4	Q1903-01	PD088330.D	04/29/2025	04/29/2025
COMP-4MS	Q1903-01MS	PD088331.D	04/29/2025	04/29/2025
COMP-4MSD	Q1903-01MSD	PD088332.D	04/29/2025	04/29/2025
COMP-5	Q1903-02	PD088335.D	04/29/2025	04/29/2025
COMP-6	Q1903-03	PD088336.D	04/29/2025	04/29/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PD088330.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-4	SDG No.:	Q1903
Lab Sample ID:	Q1903-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088330.D	1	04/29/25 08:35	04/29/25 14:37	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.14	U	0.14	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
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		20 - 144	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	SPK: 20

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: **PD088330.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 14:37
Operator : AR\AJ
Sample : Q1903-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:48:58 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...	3.550	2.882	39971763	292.2E6	20.012	19.984
28)	SA Decachlor...	9.074	8.076	63931771	303.2E6	19.326	16.406
	Target Compounds						

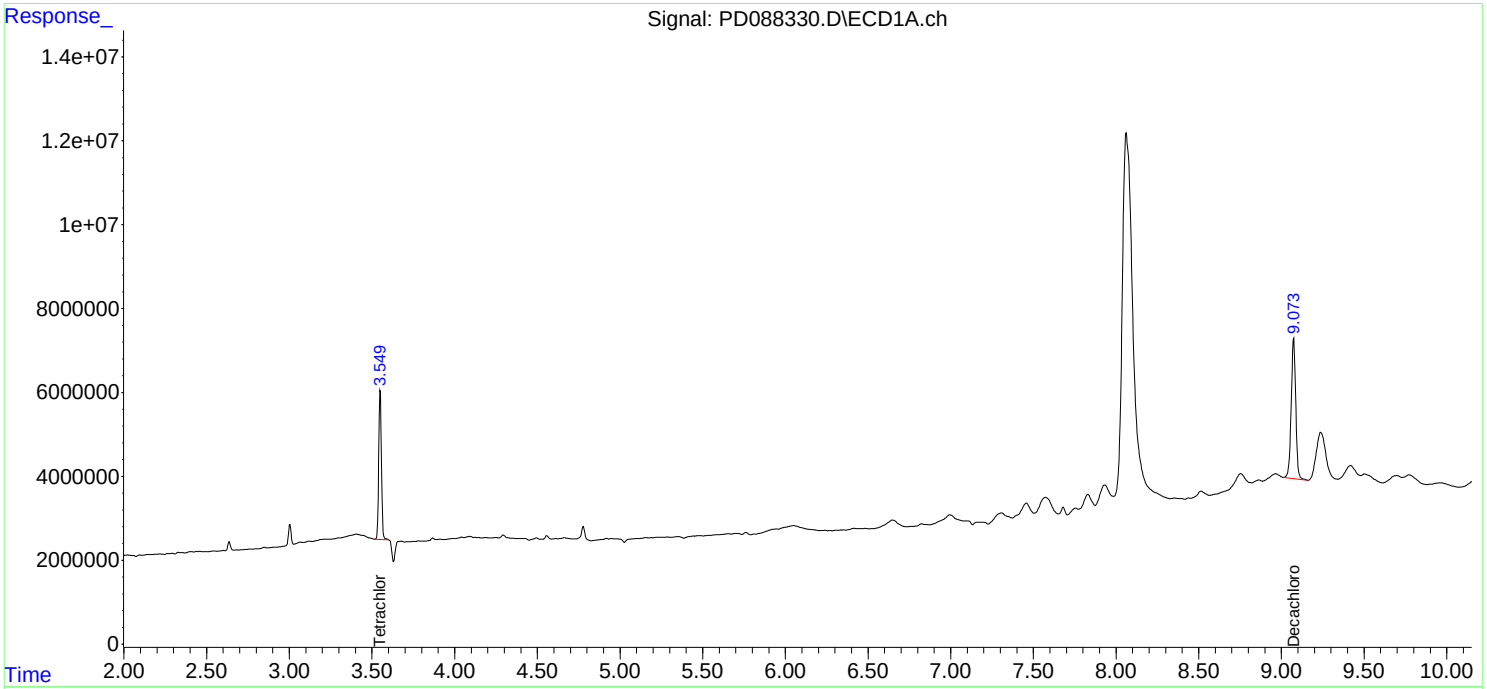
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

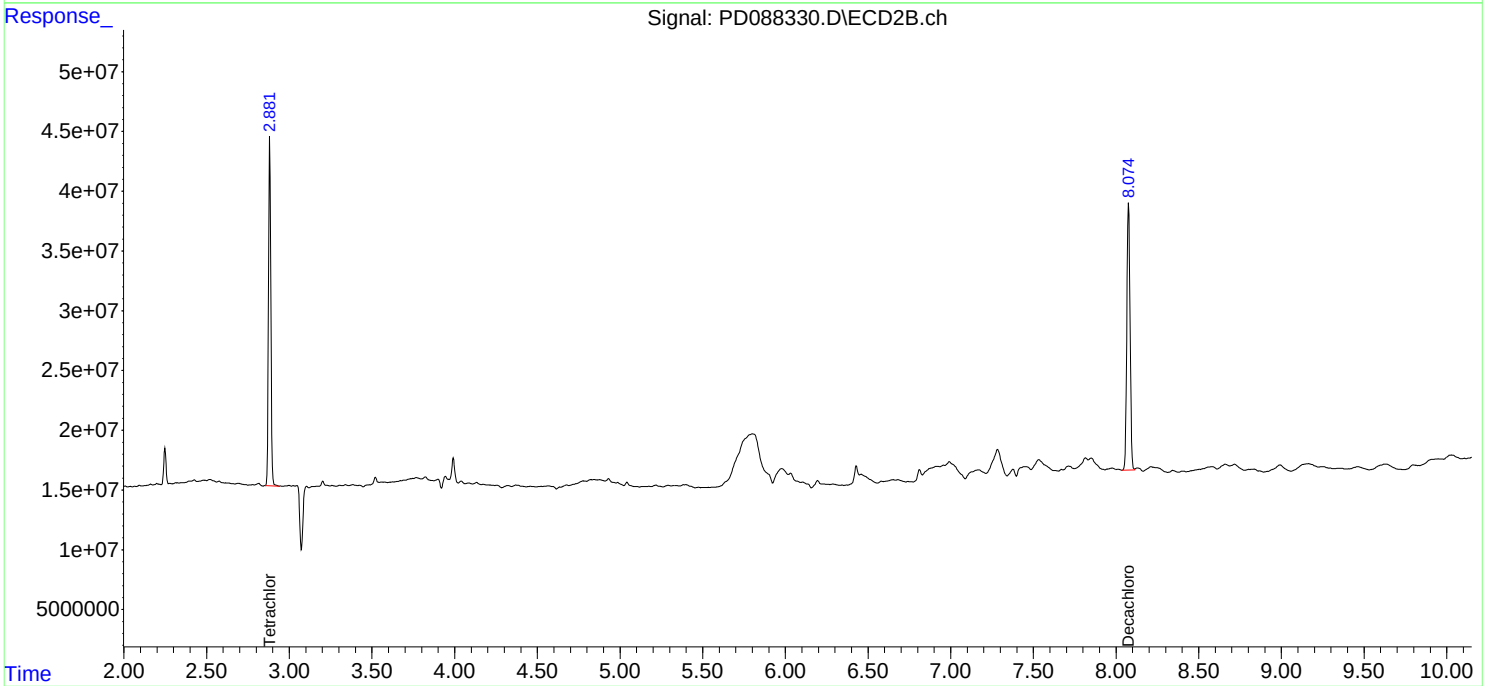
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 14:37
Operator : AR\AJ
Sample : Q1903-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

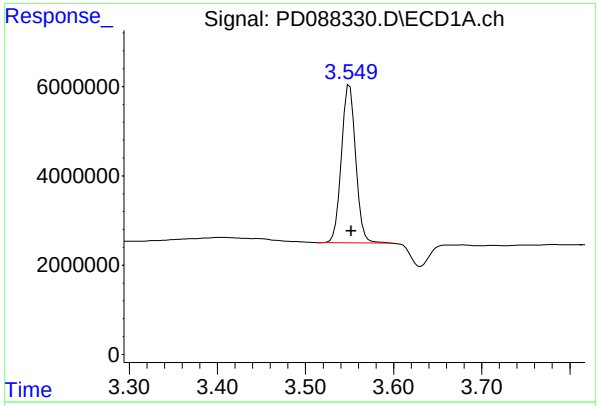
Instrument :
ECD_D
ClientSampleId :
COMP-4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:48:58 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



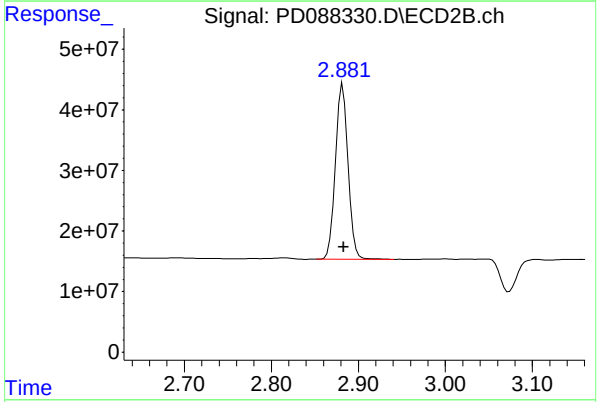




#1 Tetrachloro-m-xylene

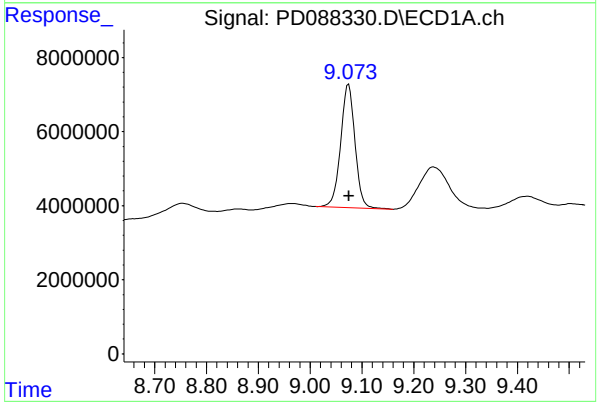
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 39971763
Conc: 20.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4



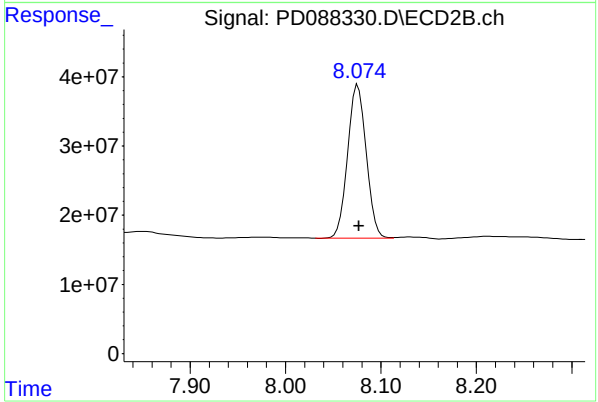
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 292192943
Conc: 19.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 63931771
Conc: 19.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 303185068
Conc: 16.41 ng/ml

Raw Data: **PD088335.D**

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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-5	SDG No.:	Q1903
Lab Sample ID:	Q1903-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	78.9 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088335.D	1	04/29/25 08:35	04/29/25 15:45	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.15	U	0.15	2.20	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.20	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.20	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.20	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	2.20	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.7		20 - 144	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		19 - 148	96%	SPK: 20

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: **PD088335.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:45
Operator : AR\AJ
Sample : Q1903-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:49:52 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	38302599	276.0E6	19.176	18.877
28)	SA Decachlor...	9.074	8.076	55335300	282.2E6	16.727	15.270
	Target Compounds						

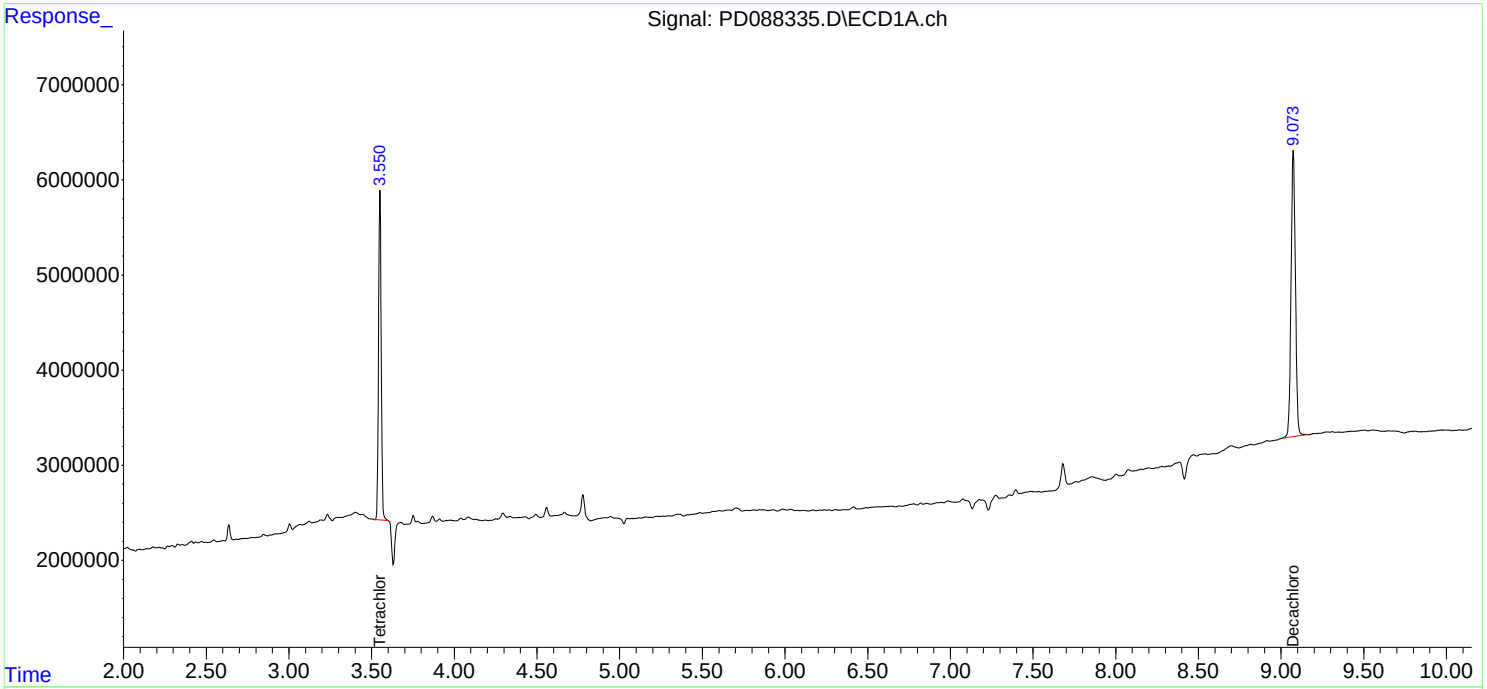
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

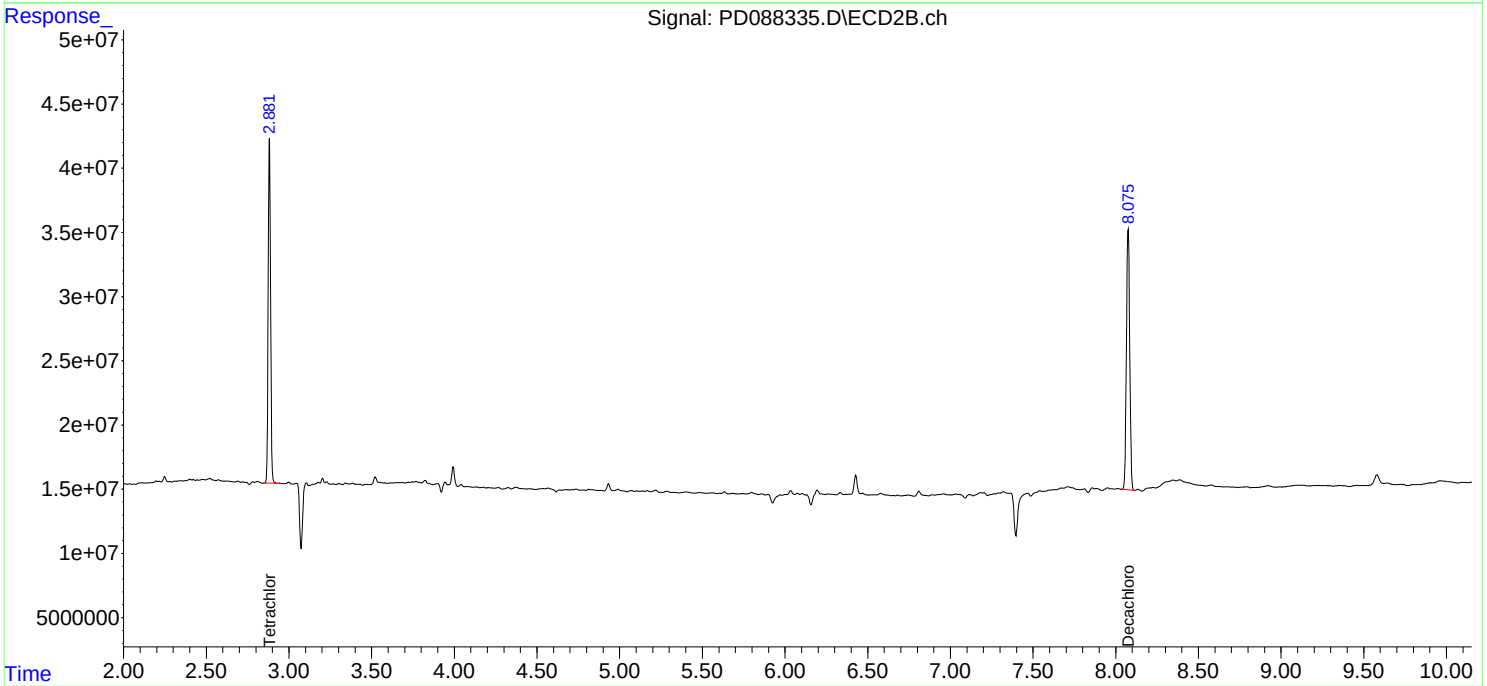
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:45
Operator : AR\AJ
Sample : Q1903-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

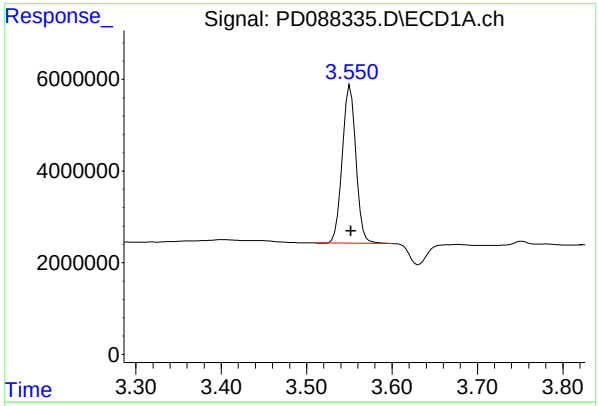
Instrument :
ECD_D
ClientSampleId :
COMP-5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:49:52 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



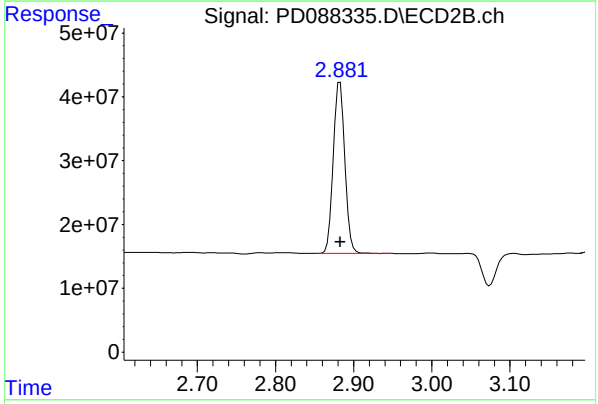




#1 Tetrachloro-m-xylene

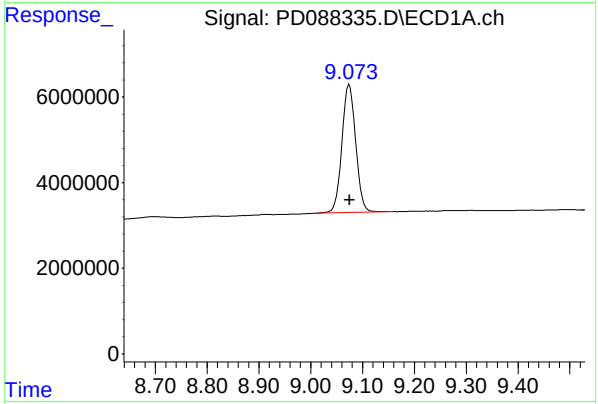
R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 38302599
Conc: 19.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-5



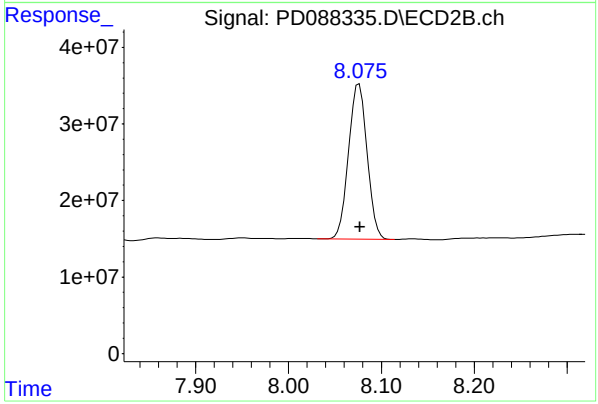
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 276011547
Conc: 18.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 55335300
Conc: 16.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 282186816
Conc: 15.27 ng/ml

Raw Data: **PD088336.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-6	SDG No.:	Q1903
Lab Sample ID:	Q1903-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.9 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088336.D	1	04/29/25 08:35	04/29/25 15:58	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.14	U	0.14	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
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		20 - 144	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	SPK: 20

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: **PD088336.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:58
Operator : AR\AJ
Sample : Q1903-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-6

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:50:04 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	2.882	39910700	288.6E6	19.981	19.737
28)	SA Decachlor...	9.074	8.076	61266820	319.2E6	18.520	17.275
	Target Compounds						

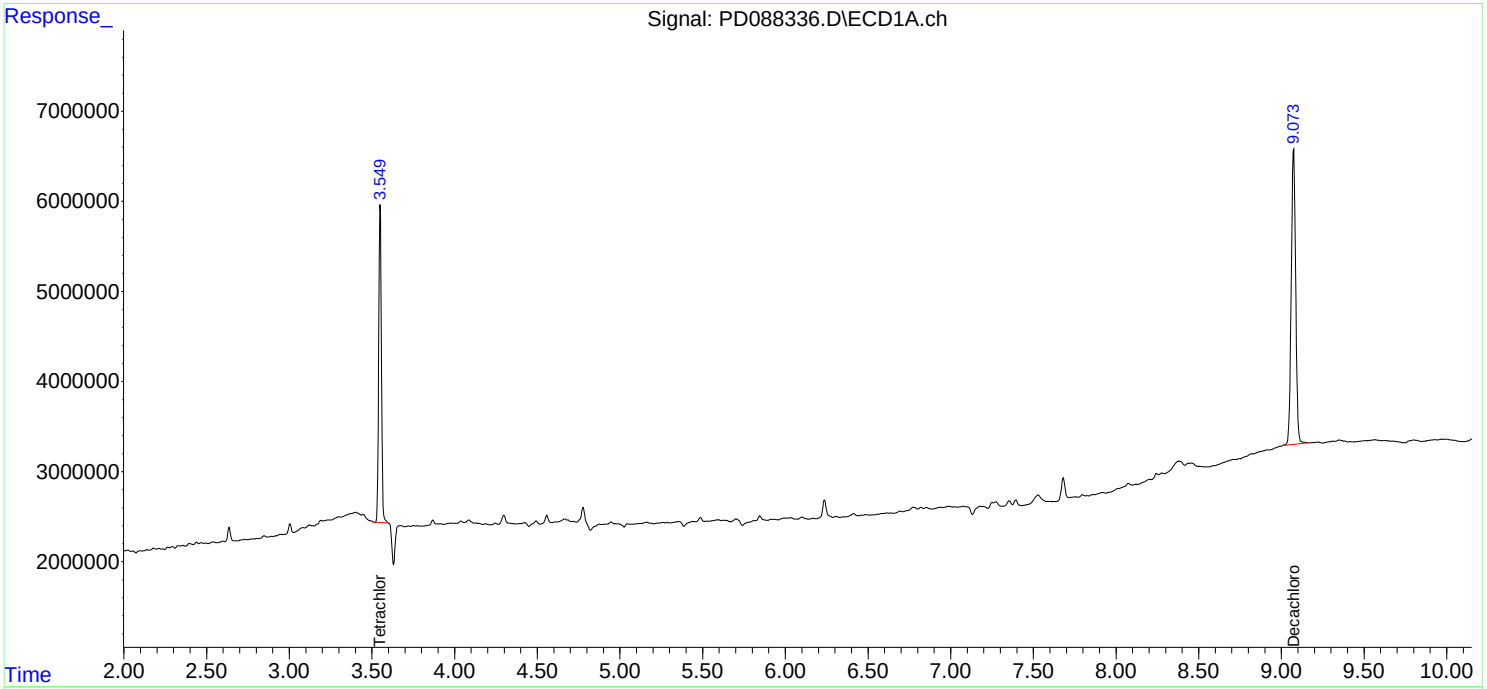
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

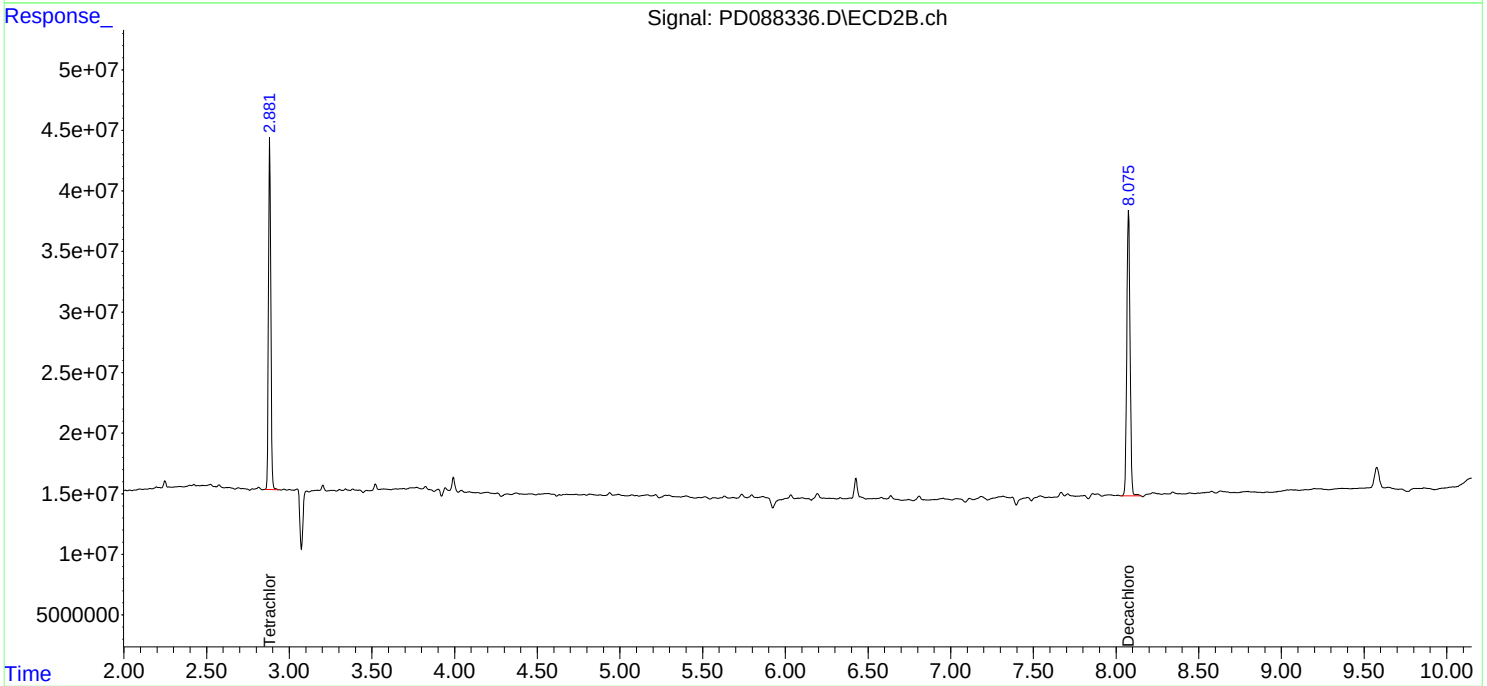
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:58
Operator : AR\AJ
Sample : Q1903-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

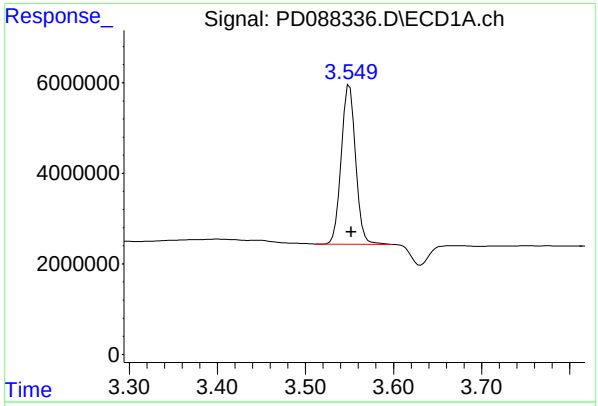
Instrument :
ECD_D
ClientSampleId :
COMP-6

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:50:04 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



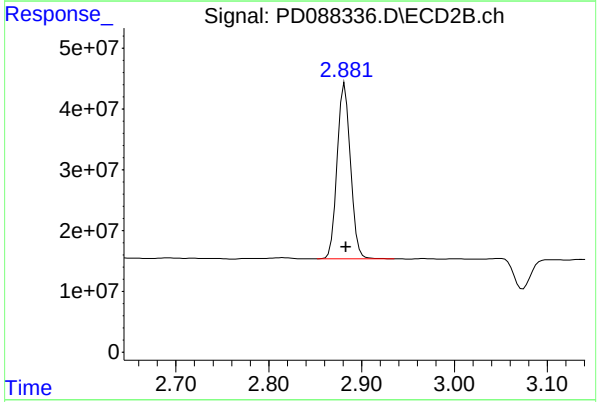




#1 Tetrachloro-m-xylene

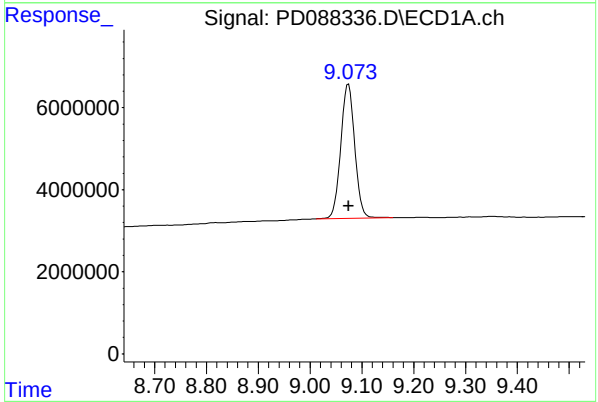
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 39910700
Conc: 19.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-6



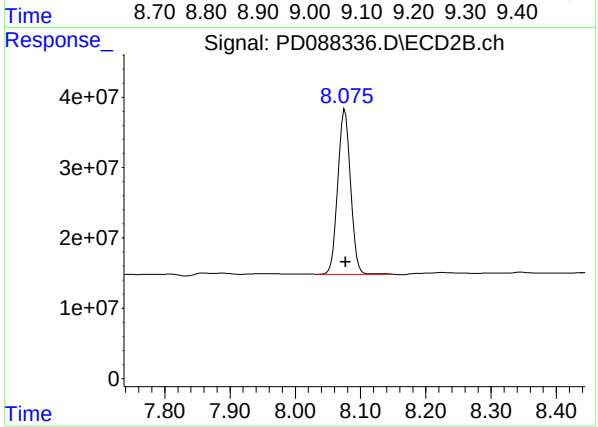
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 288589935
Conc: 19.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 61266820
Conc: 18.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 319233014
Conc: 17.27 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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
Decachlorobiphenyl	9.08	9.07	9.08	9.08	9.08	9.07	8.97	9.17
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
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: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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
Decachlorobiphenyl	8.09	8.08	8.08	8.08	8.08	8.08	7.98	8.18
Dieldrin	5.53	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Tetrachloro-m-xylene	2.90	2.88	2.88	2.88	2.88	2.89	2.79	2.99

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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
Decachlorobiphenyl	3080820000	3141130000	3178140000	3290360000	3850090000	3308110000	9
Dieldrin	3750160000	3656120000	3530390000	3371440000	3534380000	3568500000	4
Tetrachloro-m-xylene	1982340000	2006790000	1938680000	1923660000	2135510000	1997400000	4

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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
Decachlorobiphenyl	16767000000	17098200000	17470300000	18387600000	22674800000	18479600000	13
Dieldrin	18536800000	18713100000	19146400000	19886400000	23381600000	19932900000	10
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: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Instrument ID: _____ **Date(s) Analyzed:** _____ _____

GC Column: _____ **ID:** _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
		1				
		2				
		3				
		4				
		5				

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

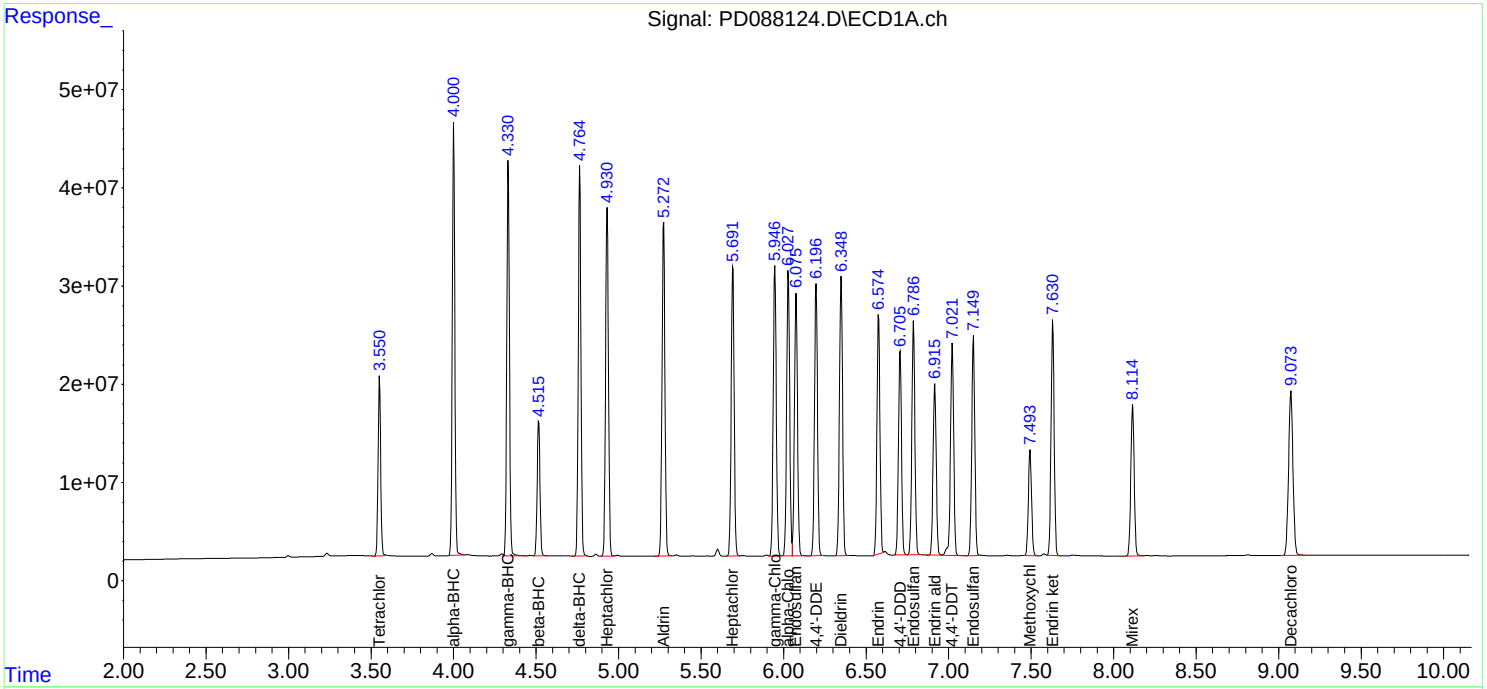
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

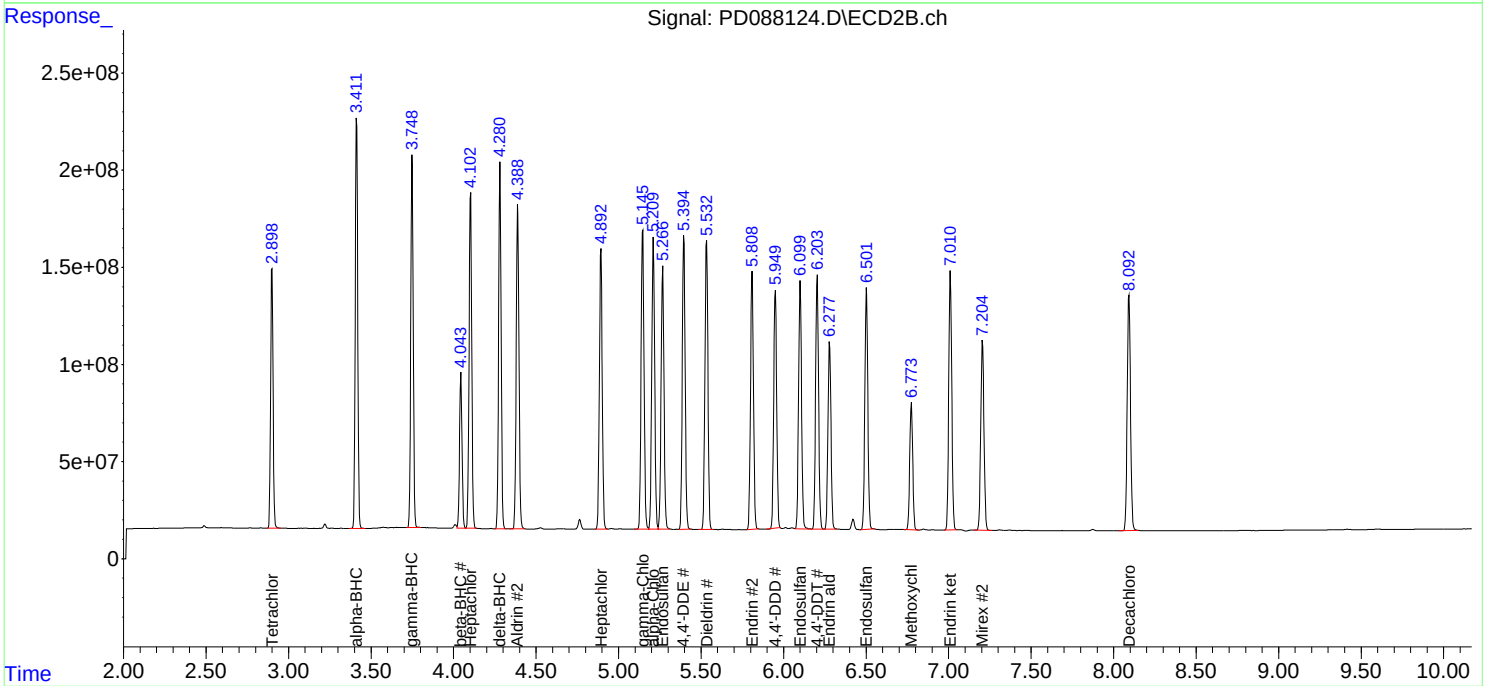
Manual Integrations APPROVED

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.

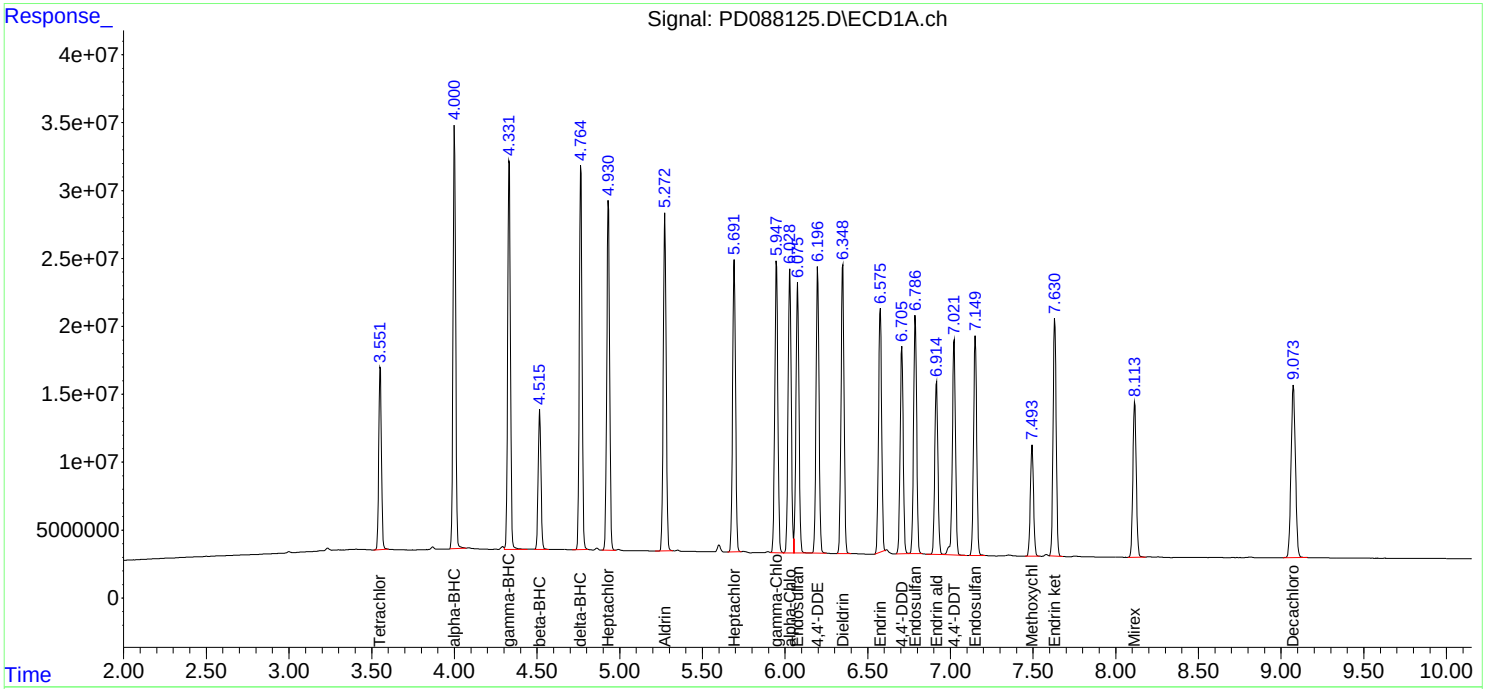
ICAL Form

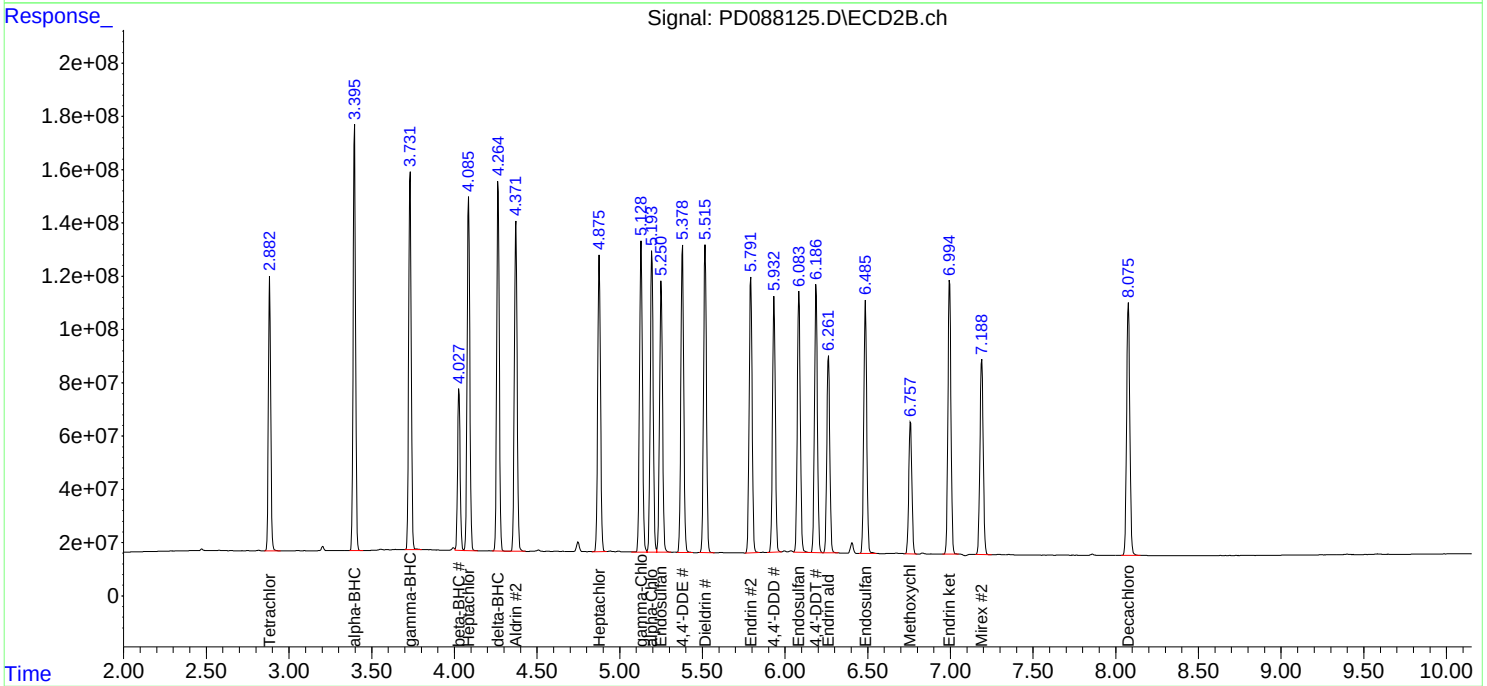
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

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.

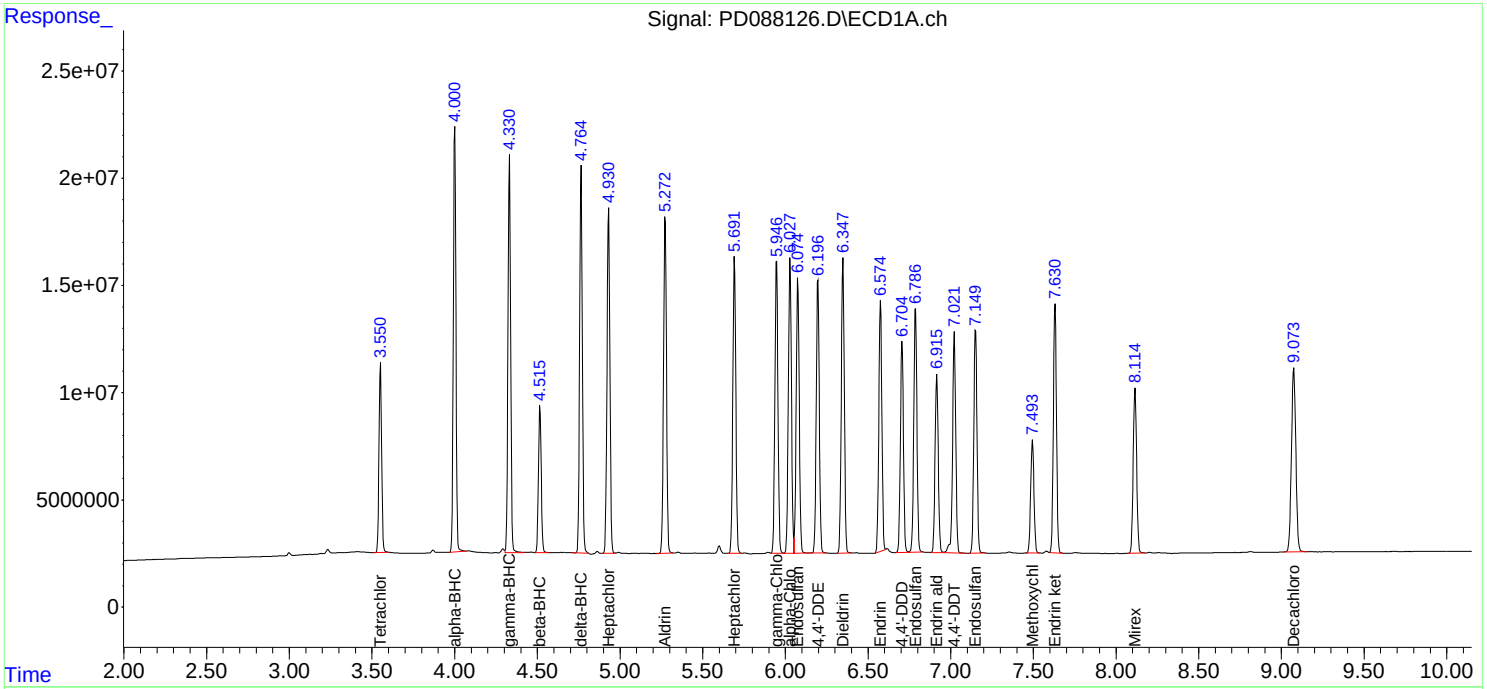
ICAL Form

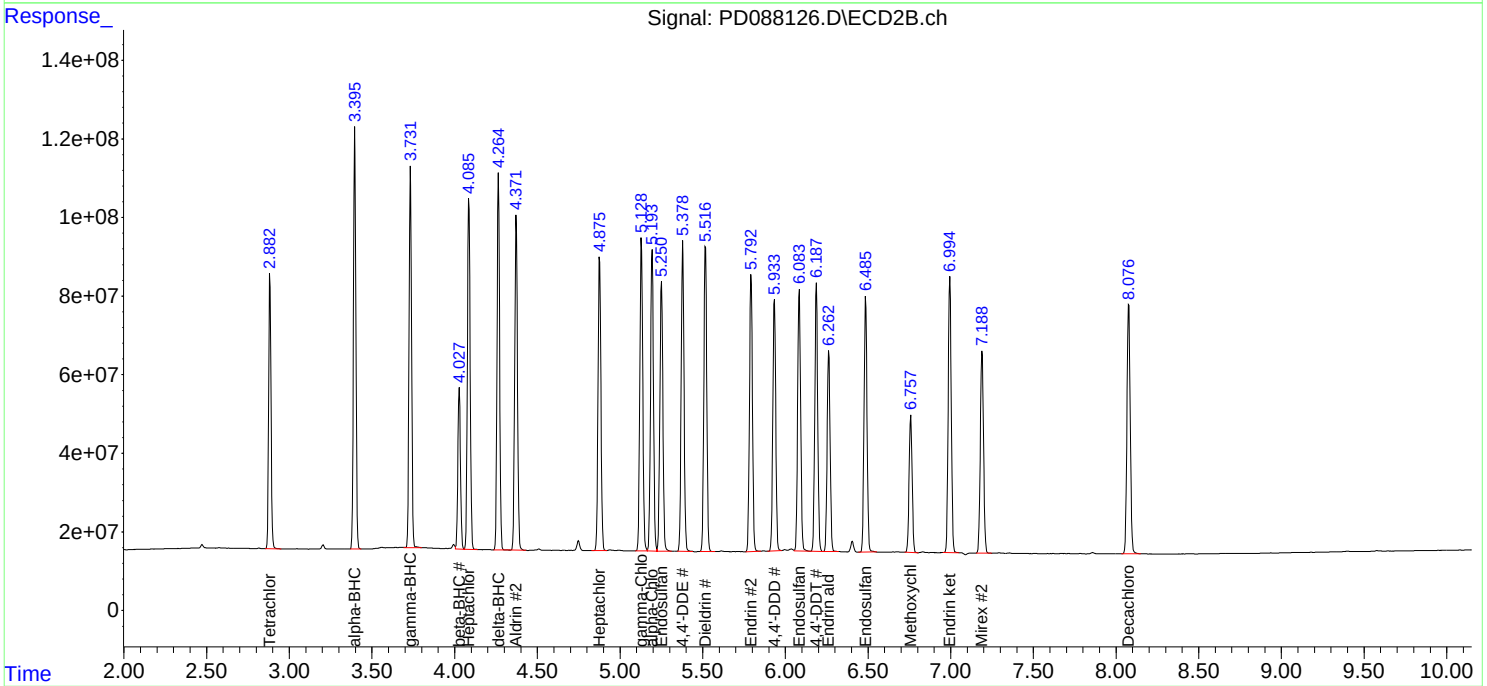
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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.

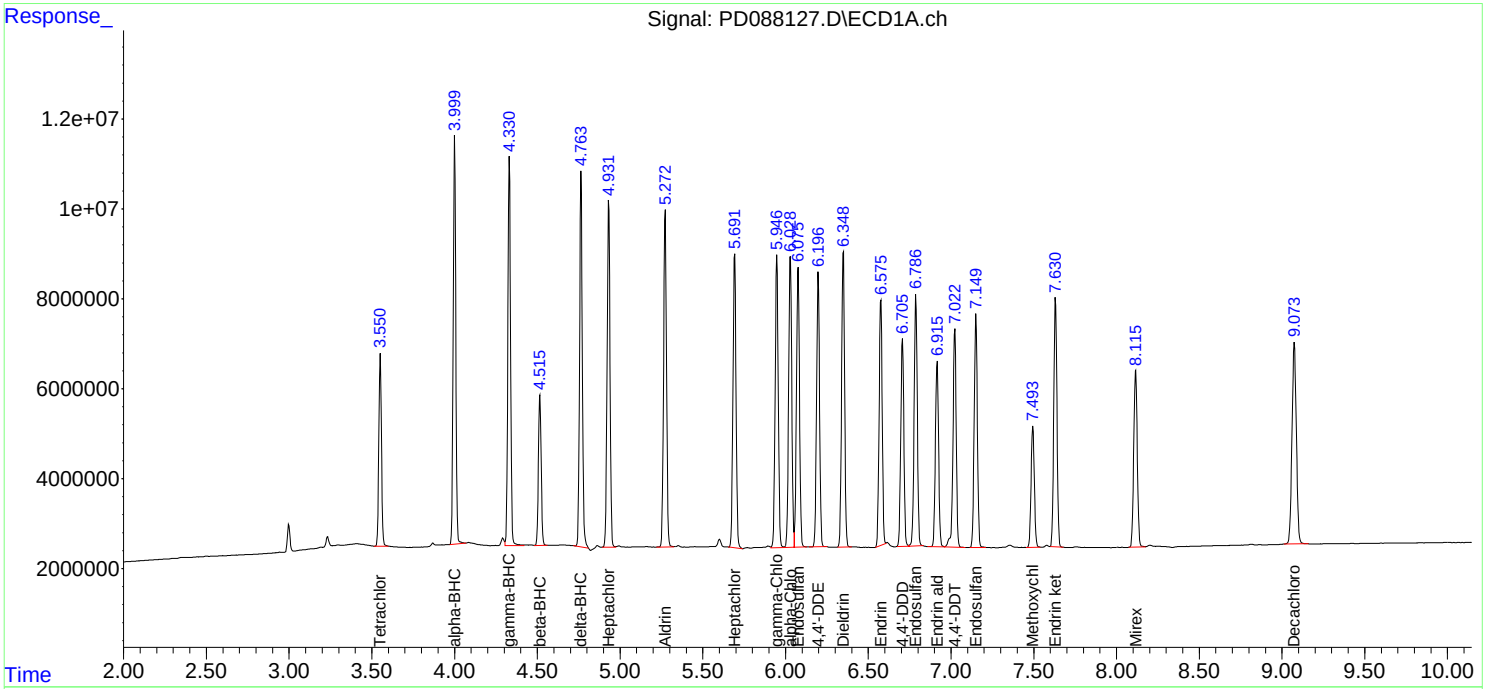
ICAL Form

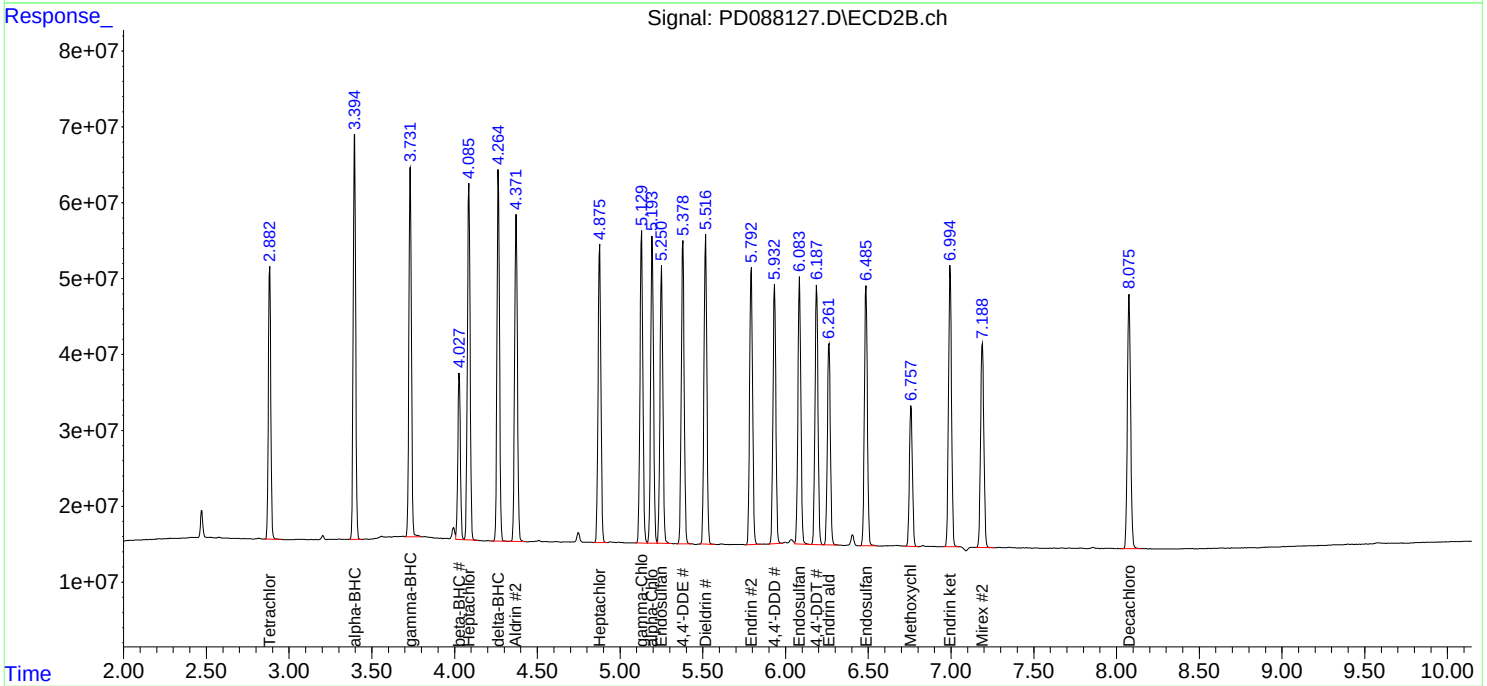
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:37
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

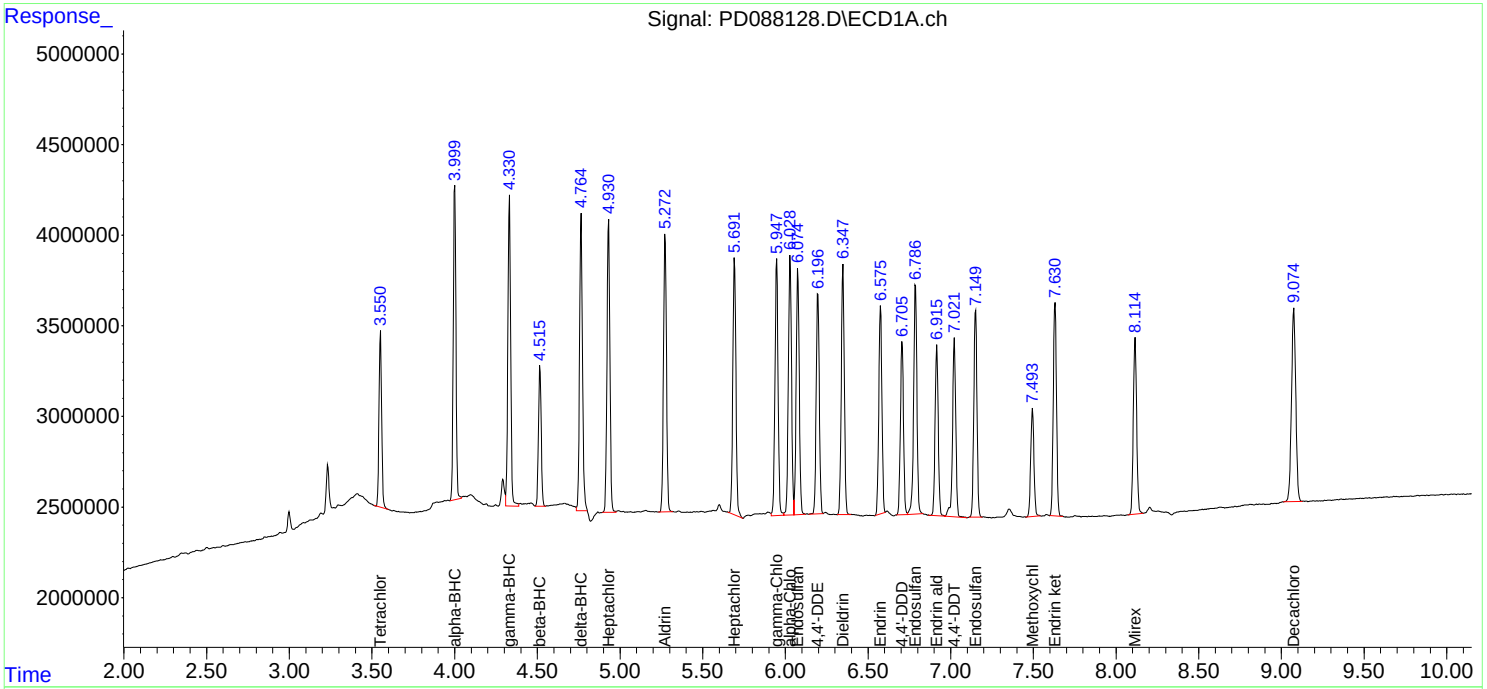
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

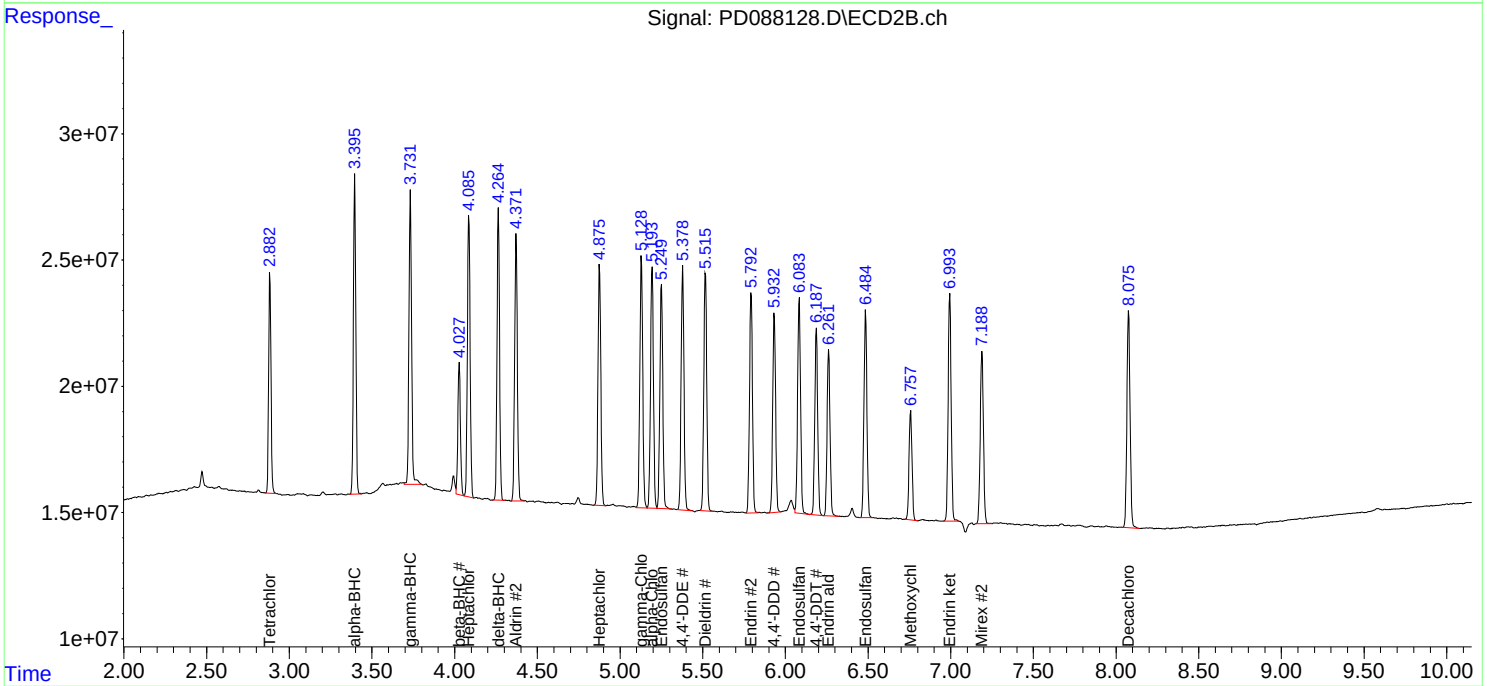
Manual Integrations APPROVED

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.

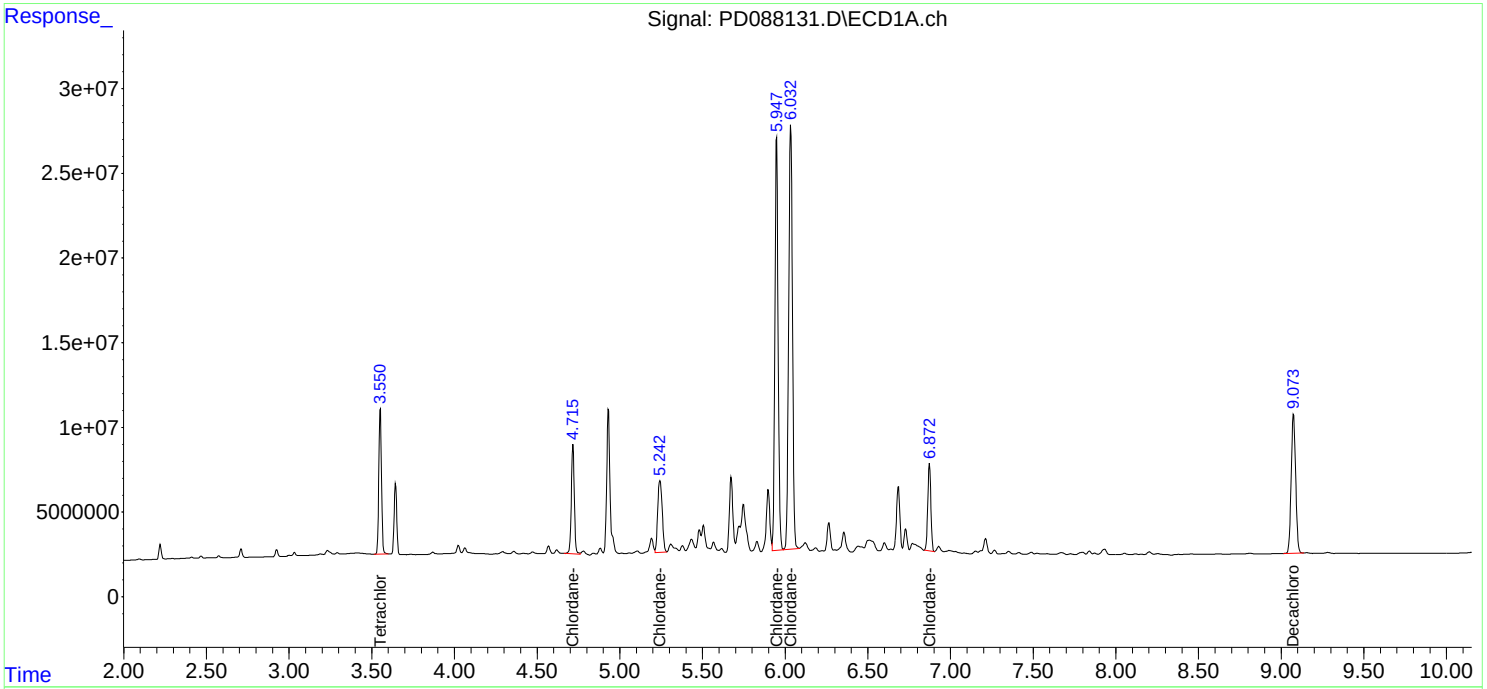
ICAL Form

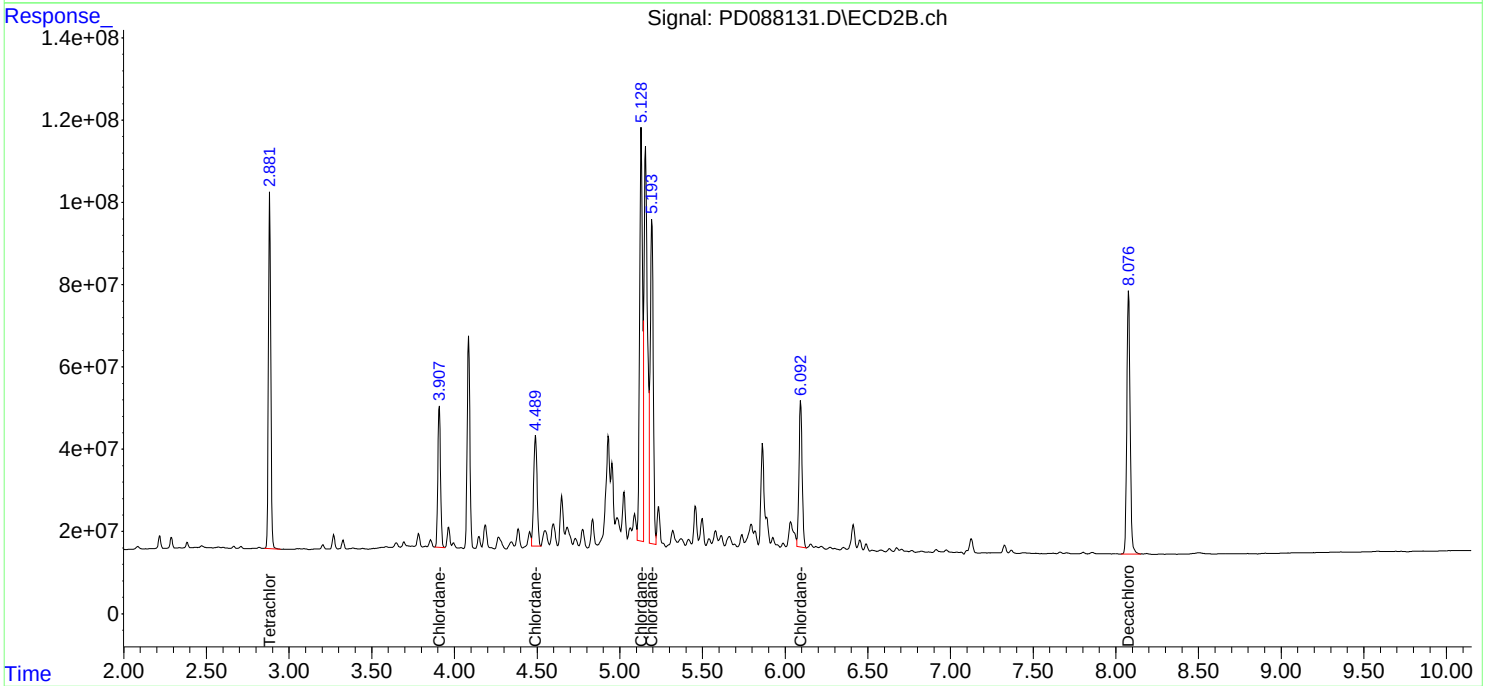
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 15:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

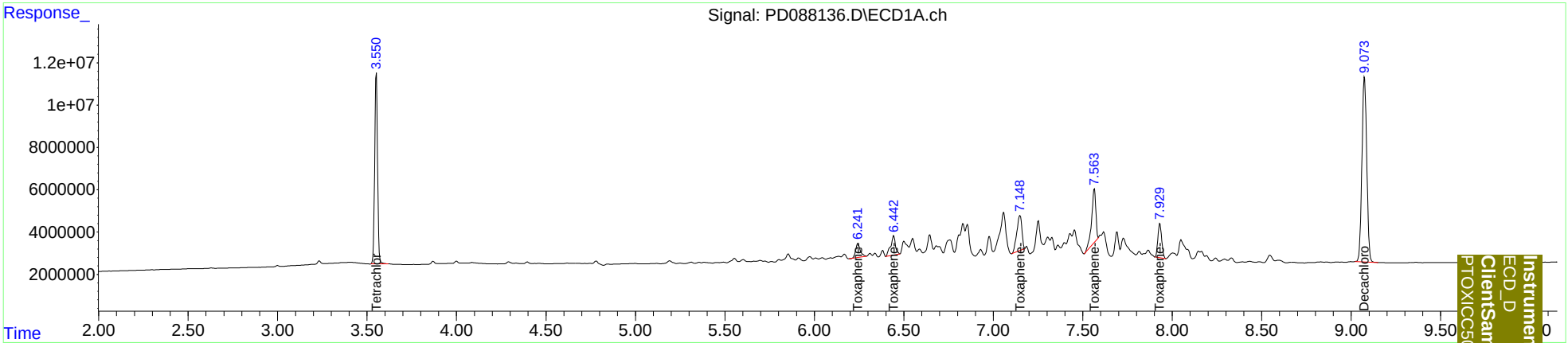
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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.

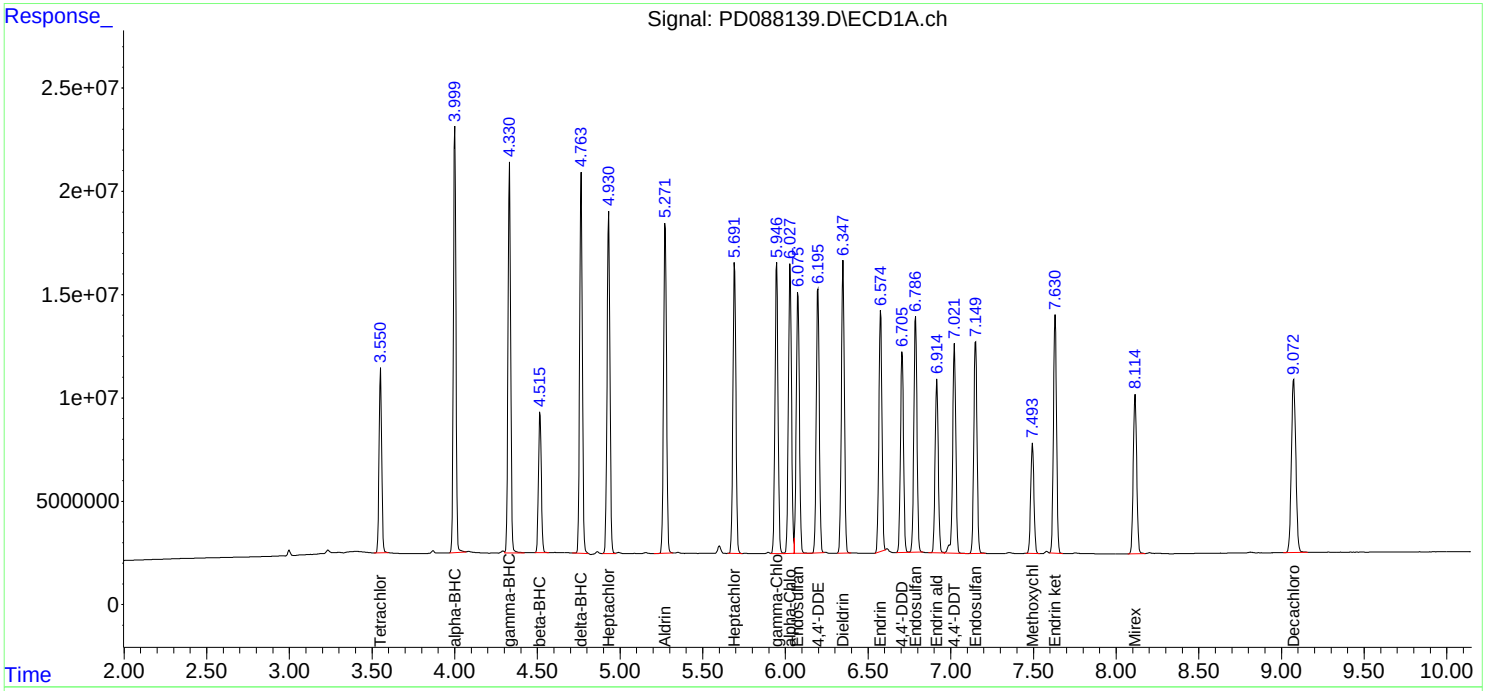
ICAL Form

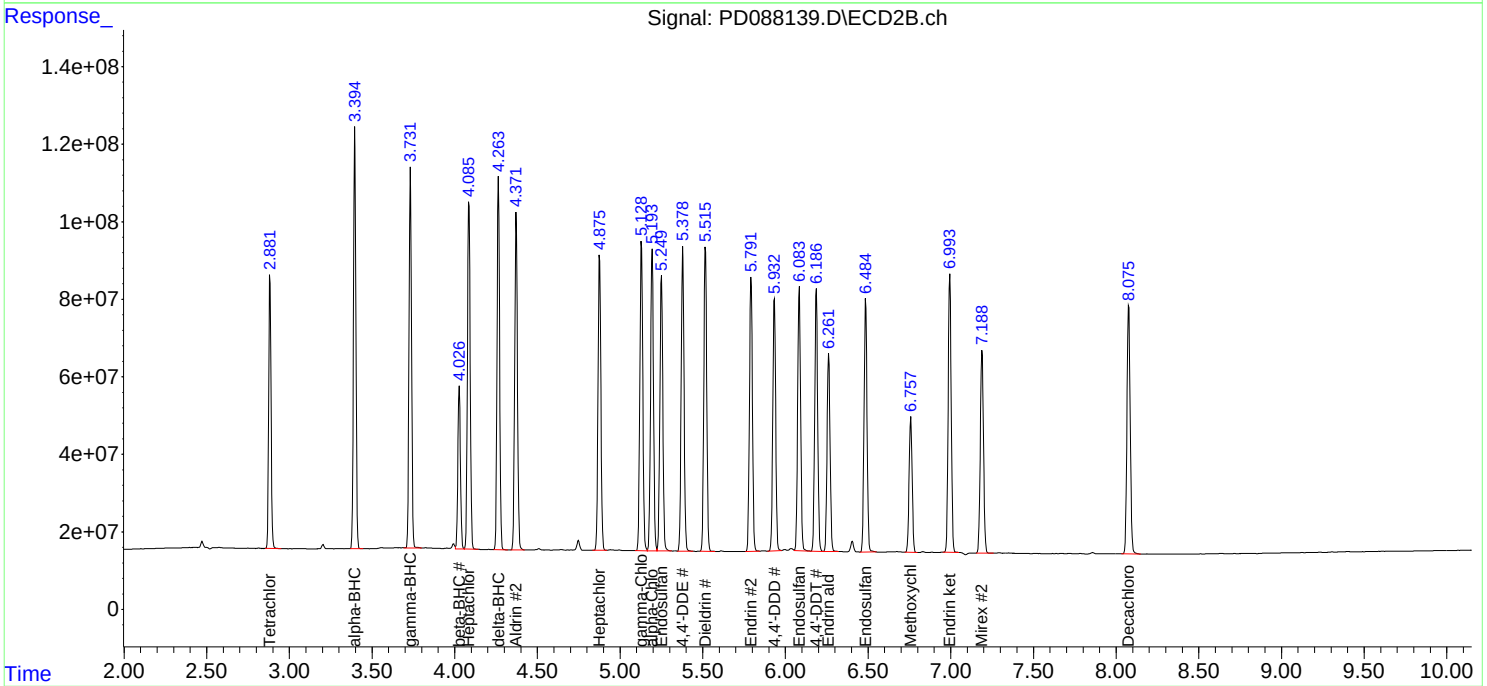
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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.

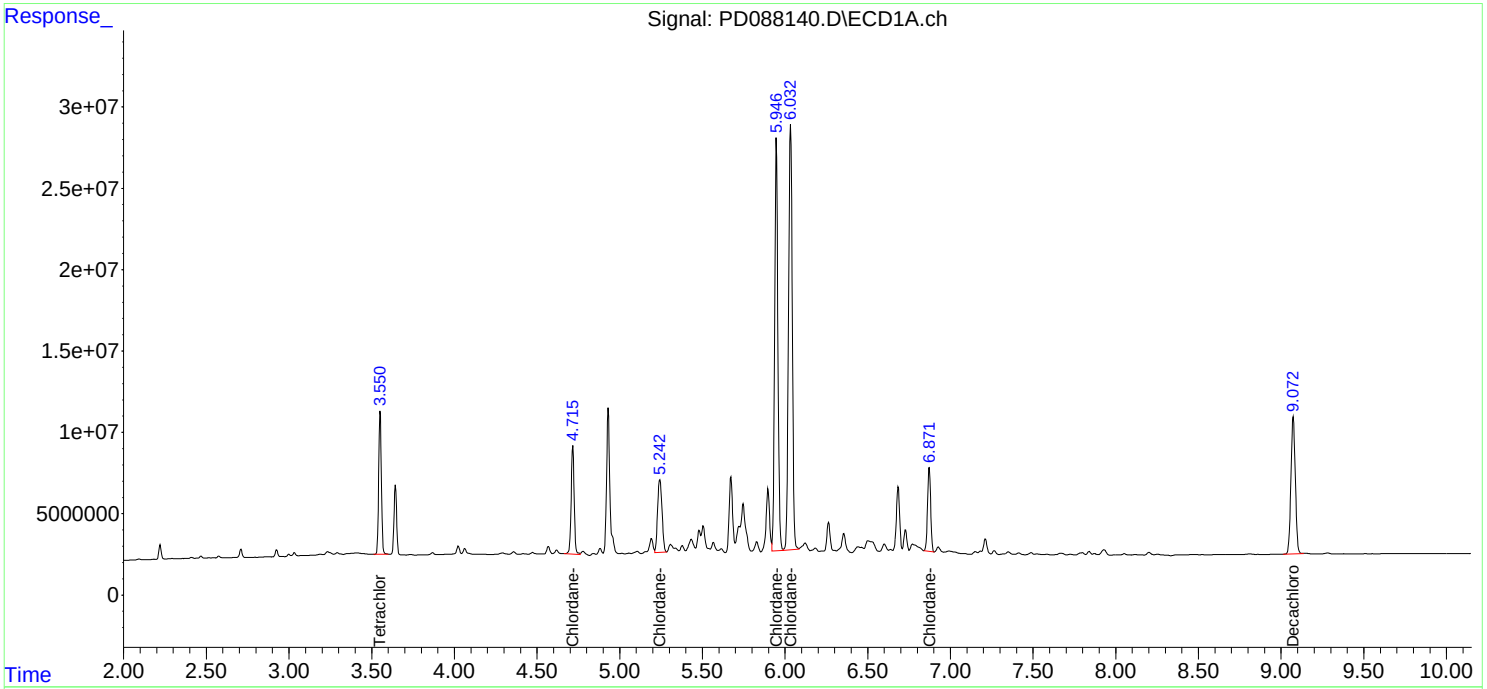
ICAL Form

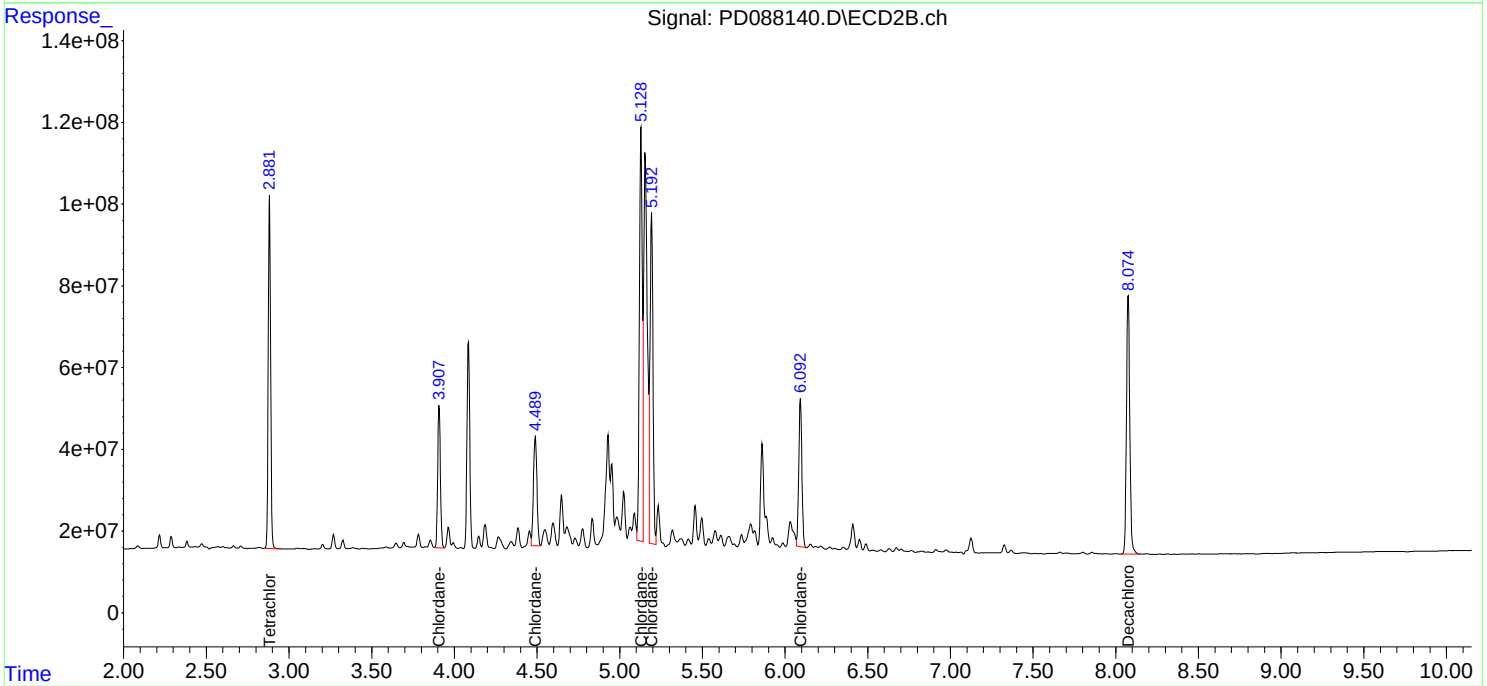
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:35
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

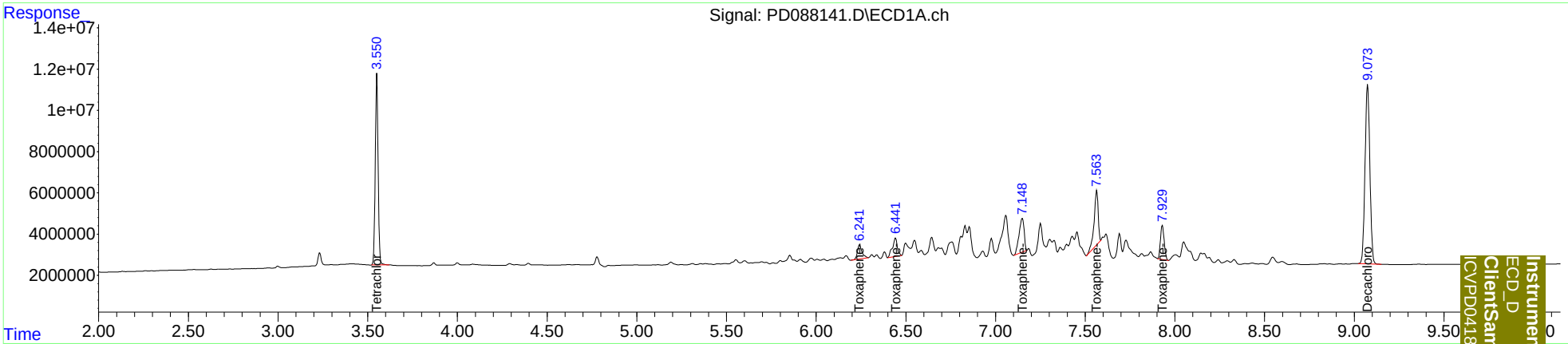
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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: **PD088322.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Continuing Calib Date: 04/29/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 12:35 **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	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.28	5.27	5.17	5.37	-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
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01

Raw Data: **PD088322.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Continuing Calib Date: 04/29/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 12:35 **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	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.37	4.37	4.27	4.47	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
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00

Raw Data: **PD088322.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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

Client Sample No.: CCAL01 **Date Analyzed:** 04/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088322.D **Time Analyzed:** 12:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.606	6.806	57.420	50.000	14.8
4,4'-DDE	6.200	6.097	6.297	53.620	50.000	7.2
4,4'-DDT	7.025	6.922	7.122	52.040	50.000	4.1
Aldrin	5.276	5.173	5.373	55.870	50.000	11.7
Decachlorobiphenyl	9.078	8.975	9.175	49.320	50.000	-1.4
Dieldrin	6.351	6.249	6.449	56.120	50.000	12.2
Tetrachloro-m-xylene	3.554	3.452	3.652	52.960	50.000	5.9

Raw Data: **PD088322.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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

Client Sample No.: CCAL01 **Date Analyzed:** 04/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088322.D **Time Analyzed:** 12:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	50.260	50.000	0.5
4,4'-DDE	5.377	5.280	5.480	49.820	50.000	-0.4
4,4'-DDT	6.187	6.088	6.288	48.210	50.000	-3.6
Aldrin	4.371	4.273	4.473	51.590	50.000	3.2
Decachlorobiphenyl	8.076	7.977	8.177	45.680	50.000	-8.6
Dieldrin	5.516	5.417	5.617	50.020	50.000	0.0
Tetrachloro-m-xylene	2.881	2.783	2.983	49.290	50.000	-1.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:35
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: Apr 30 00:47:35 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...	3.554	2.881	105.8E6	720.7E6	52.960	49.291
28) SA	Decachlor...	9.078	8.076	163.1E6	844.2E6	49.315	45.683
	Target Compounds						
2) A	alpha-BHC	4.003	3.394	240.5E6	1146.3E6	55.767	50.141
3) MA	gamma-BHC...	4.334	3.731	231.2E6	1066.7E6	55.224	49.524
4) MA	Heptachlor	4.934	4.085	224.3E6	1040.4E6	55.526	48.620
5) MB	Aldrin	5.276	4.371	220.6E6	1073.2E6	55.865	51.590
6) B	beta-BHC	4.519	4.027	89159986	460.5E6	54.922	49.764
7) B	delta-BHC	4.767	4.264	230.1E6	1068.7E6	55.775	50.264
8) B	Heptachlo...	5.695	4.875	197.1E6	936.5E6	55.149	49.563
9) A	Endosulfan I	6.078	5.249	187.2E6	812.5E6	55.419	45.107
10) B	gamma-Chl...	5.950	5.129	201.8E6	1010.8E6	55.724	49.804
11) B	alpha-Chl...	6.031	5.193	200.4E6	972.9E6	55.518	49.631
12) B	4,4'-DDE	6.200	5.377	176.8E6	981.1E6	53.616	49.816m
13) MA	Dieldrin	6.351	5.516	200.3E6	997.1E6	56.122	50.022
14) MA	Endrin	6.578	5.792	164.3E6	906.2E6	55.098	49.782
15) B	Endosulfa...	6.790	6.083	169.6E6	863.7E6	54.252	49.293
16) A	4,4'-DDD	6.709	5.932	144.4E6	823.6E6	57.425	50.264
17) MA	4,4'-DDT	7.025	6.187	144.5E6	820.3E6	52.041	48.207
18) B	Endrin al...	6.919	6.262	121.3E6	631.1E6	52.555	47.448
19) B	Endosulfa...	7.153	6.485	155.7E6	835.1E6	54.139	48.741
20) A	Methoxychlor	7.497	6.757	75773465	426.2E6	50.531	46.727
21) B	Endrin ke...	7.634	6.994	165.9E6	904.4E6	53.745	48.353
22)	Mirex	8.118	7.189	120.3E6	703.6E6	51.239	47.476

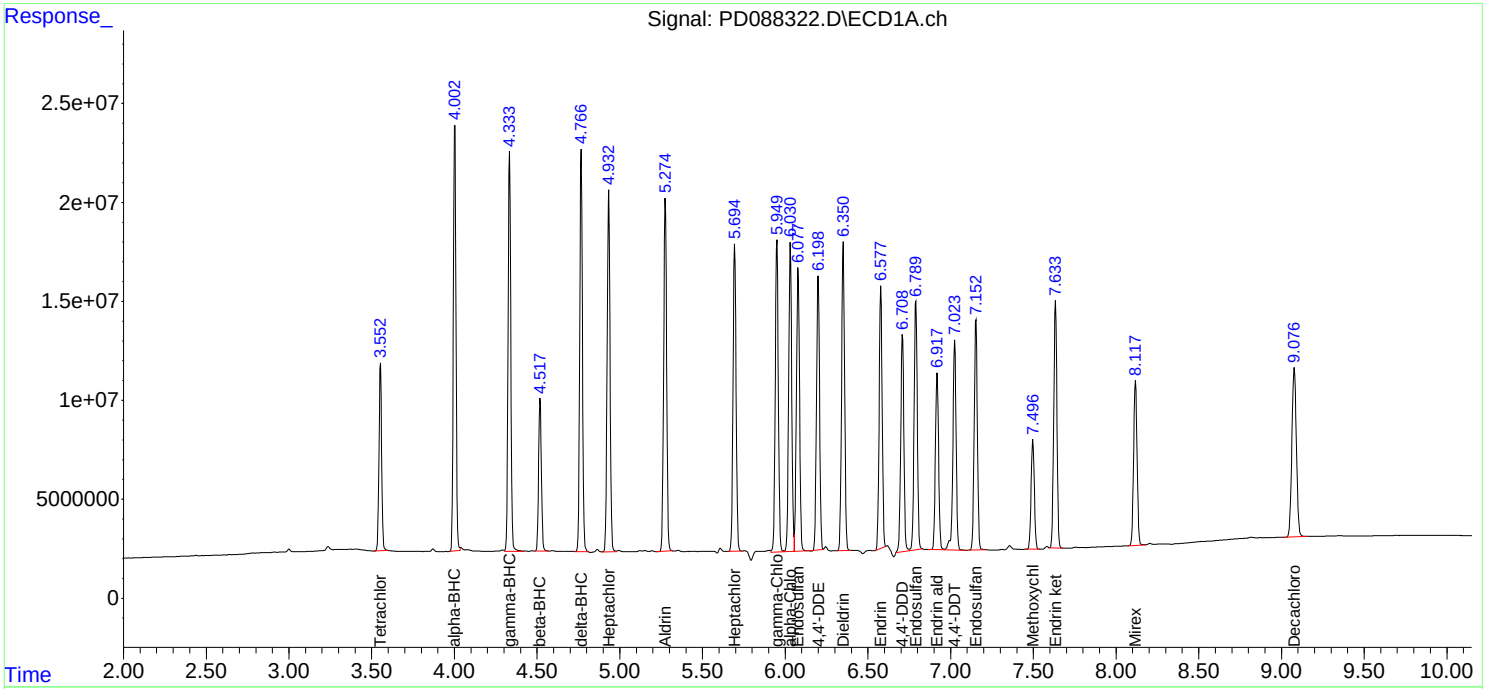
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

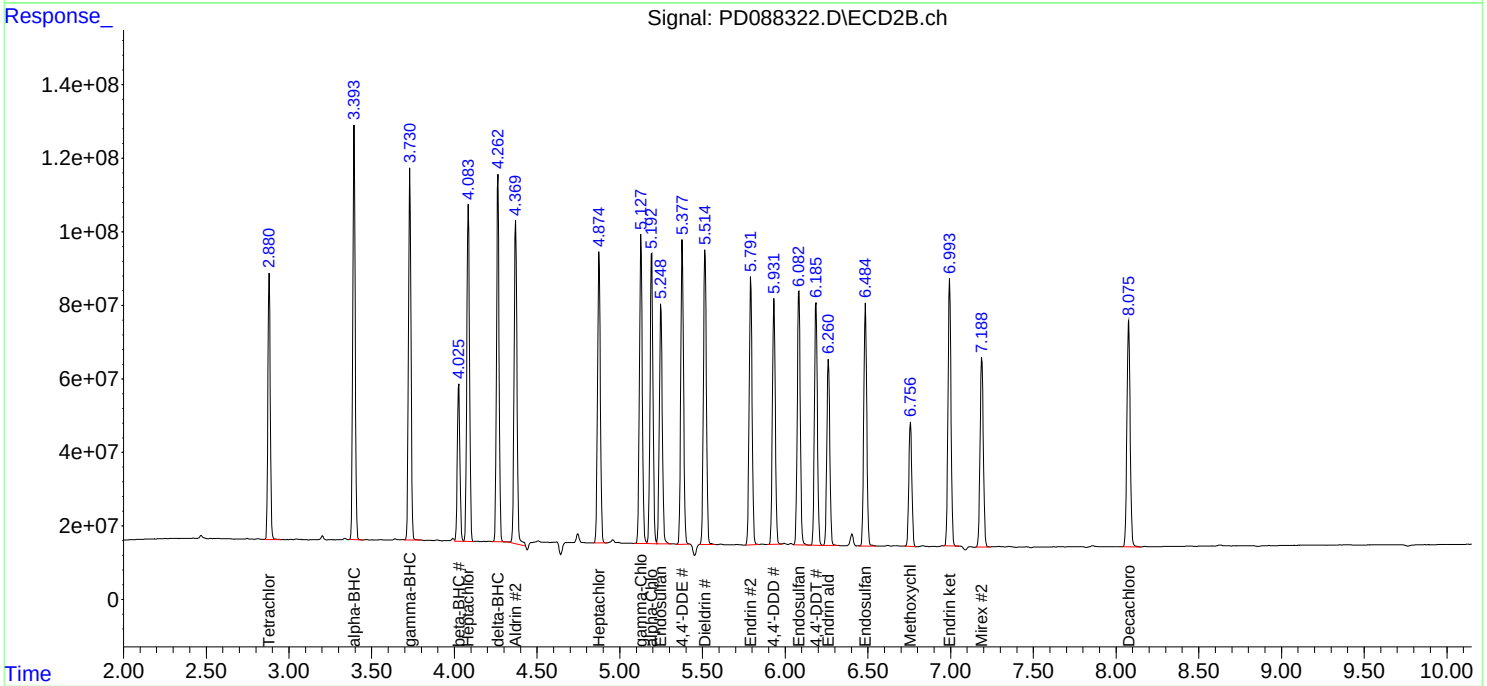
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:35
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:47:35 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





Raw Data: **PD088334.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Continuing Calib Date: 04/29/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 15:31 **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
Aldrin	5.27	5.27	5.17	5.37	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
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00

Raw Data: **PD088334.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Continuing Calib Date: 04/29/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 15:31 **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
Aldrin	4.37	4.37	4.27	4.47	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
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00

Raw Data: **PD088334.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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

Client Sample No.: CCAL02 **Date Analyzed:** 04/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088334.D **Time Analyzed:** 15:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	57.730	50.000	15.5
4,4'-DDE	6.196	6.097	6.297	54.720	50.000	9.4
4,4'-DDT	7.022	6.922	7.122	52.530	50.000	5.1
Aldrin	5.272	5.173	5.373	57.330	50.000	14.7
Decachlorobiphenyl	9.074	8.975	9.175	50.420	50.000	0.8
Dieldrin	6.348	6.249	6.449	57.220	50.000	14.4
Tetrachloro-m-xylene	3.550	3.452	3.652	54.590	50.000	9.2

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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

Client Sample No.: CCAL02 **Date Analyzed:** 04/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088334.D **Time Analyzed:** 15:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.933	5.834	6.034	50.950	50.000	1.9
4,4'-DDE	5.377	5.280	5.480	50.580	50.000	1.2
4,4'-DDT	6.187	6.088	6.288	48.480	50.000	-3.0
Aldrin	4.371	4.273	4.473	52.110	50.000	4.2
Decachlorobiphenyl	8.076	7.977	8.177	45.600	50.000	-8.8
Dieldrin	5.516	5.417	5.617	50.770	50.000	1.5
Tetrachloro-m-xylene	2.882	2.783	2.983	50.730	50.000	1.5

Quantitation Report (QT Reviewed)

Sample Results: **PD088334.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:31
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: Apr 30 00:49:41 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	2.882	109.0E6	741.7E6	54.592	50.727
28)	SA	Decachlor...	9.074	8.076	166.8E6	842.6E6	50.417	45.596
		Target Compounds						
2)	A	alpha-BHC	3.999	3.395	248.4E6	1176.4E6	57.614	51.457
3)	MA	gamma-BHC...	4.330	3.732	238.1E6	1089.2E6	56.871	50.568
4)	MA	Heptachlor	4.930	4.085	228.0E6	1068.0E6	56.451	49.913
5)	MB	Aldrin	5.272	4.371	226.4E6	1084.1E6	57.326	52.114
6)	B	beta-BHC	4.515	4.027	90920671	473.0E6	56.007	51.109
7)	B	delta-BHC	4.764	4.264	236.2E6	1092.9E6	57.254	51.402
8)	B	Heptachlo...	5.691	4.875	201.4E6	954.3E6	56.358	50.508
9)	A	Endosulfan I	6.075	5.250	191.2E6	818.2E6	56.622	45.426
10)	B	gamma-Chl...	5.947	5.128	207.6E6	1028.1E6	57.310	50.656
11)	B	alpha-Chl...	6.028	5.194	205.0E6	985.4E6	56.782	50.268
12)	B	4,4'-DDE	6.196	5.377	180.5E6	996.0E6	54.720	50.576m
13)	MA	Dieldrin	6.348	5.516	204.2E6	1012.0E6	57.224	50.772
14)	MA	Endrin	6.575	5.792	166.6E6	923.5E6	55.848	50.733
15)	B	Endosulfa...	6.787	6.084	171.7E6	871.4E6	54.934	49.736
16)	A	4,4'-DDD	6.706	5.933	145.2E6	834.9E6	57.733	50.950
17)	MA	4,4'-DDT	7.022	6.187	145.9E6	824.9E6	52.529	48.478
18)	B	Endrin al...	6.915	6.262	123.4E6	638.1E6	53.474	47.976
19)	B	Endosulfa...	7.149	6.485	158.4E6	843.0E6	55.071	49.205
20)	A	Methoxychlor	7.493	6.758	76206782	434.8E6	50.820	47.666
21)	B	Endrin ke...	7.631	6.994	168.8E6	912.3E6	54.675	48.773
22)		Mirex	8.115	7.188	123.1E6	707.3E6	52.435	47.724

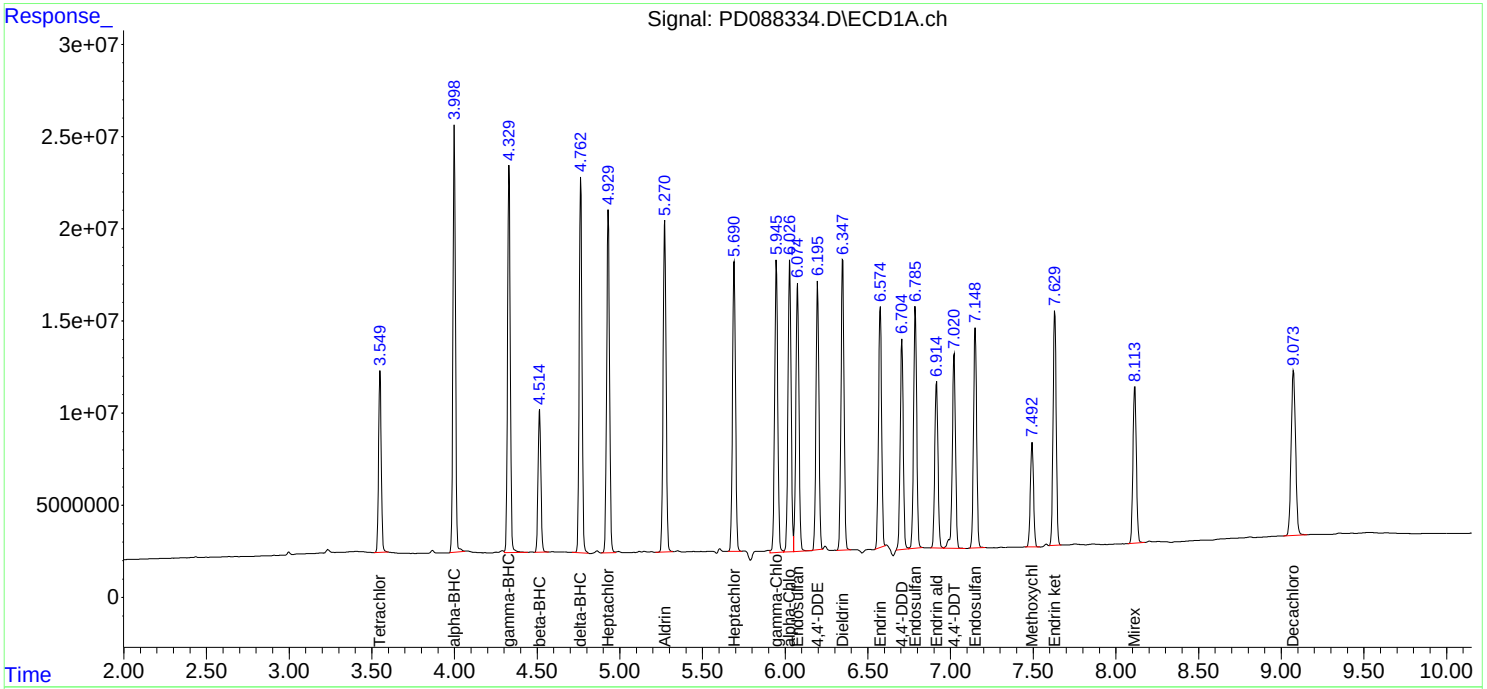
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

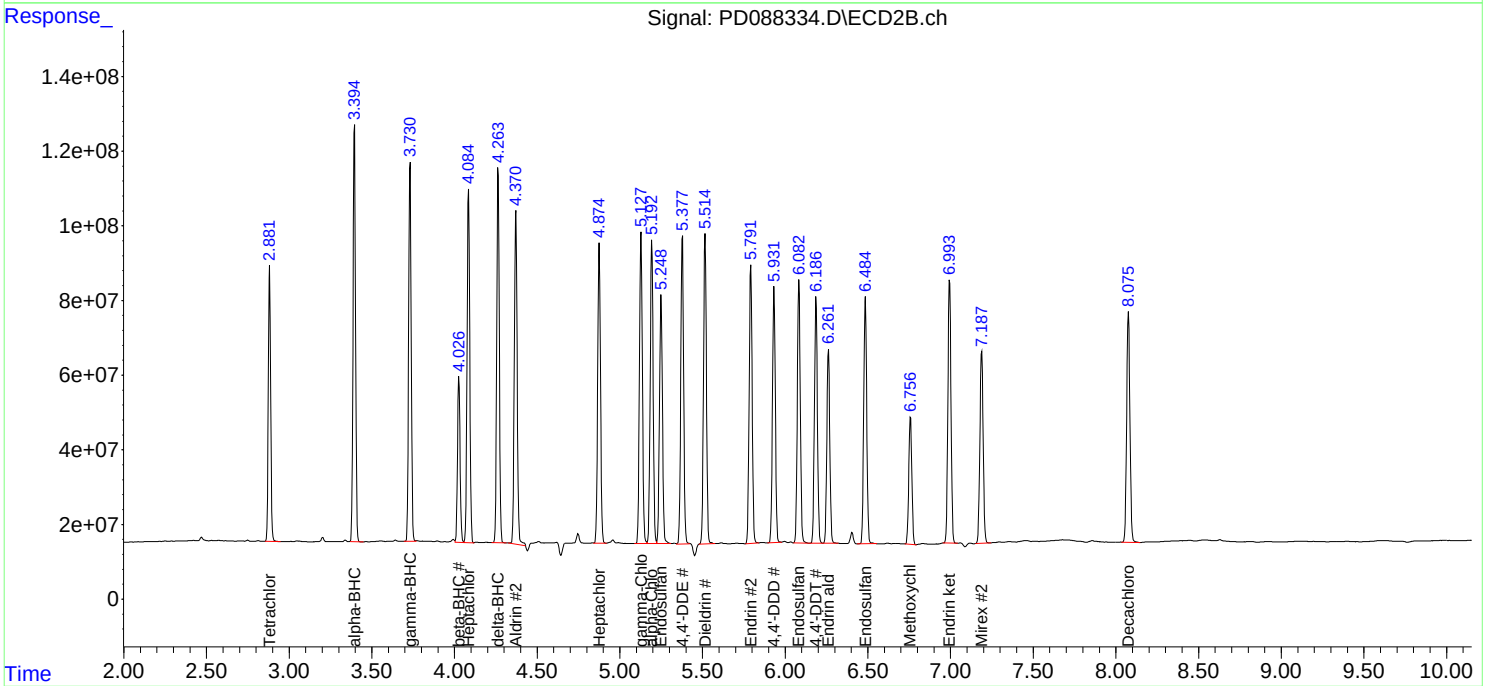
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:31
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:49:41 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: **PD088344.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Continuing Calib Date: 04/29/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:48 **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	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.27	5.27	5.17	5.37	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
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00

Raw Data: **PD088344.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Continuing Calib Date: 04/29/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:48 **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	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.37	4.37	4.27	4.47	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
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00

Raw Data: **PD088344.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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

Client Sample No.: CCAL03 **Date Analyzed:** 04/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088344.D **Time Analyzed:** 17:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	57.550	50.000	15.1
4,4'-DDE	6.197	6.097	6.297	53.850	50.000	7.7
4,4'-DDT	7.023	6.922	7.122	51.450	50.000	2.9
Aldrin	5.273	5.173	5.373	57.020	50.000	14.0
Decachlorobiphenyl	9.076	8.975	9.175	48.910	50.000	-2.2
Dieldrin	6.349	6.249	6.449	56.170	50.000	12.3
Tetrachloro-m-xylene	3.550	3.452	3.652	54.930	50.000	9.9

Raw Data: **PD088344.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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

Client Sample No.: CCAL03 **Date Analyzed:** 04/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088344.D **Time Analyzed:** 17:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.933	5.834	6.034	50.240	50.000	0.5
4,4'-DDE	5.377	5.280	5.480	49.810	50.000	-0.4
4,4'-DDT	6.187	6.088	6.288	46.040	50.000	-7.9
Aldrin	4.372	4.273	4.473	51.740	50.000	3.5
Decachlorobiphenyl	8.077	7.977	8.177	42.580	50.000	-14.8
Dieldrin	5.516	5.417	5.617	49.830	50.000	-0.3
Tetrachloro-m-xylene	2.882	2.783	2.983	50.630	50.000	1.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 17:48
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: Apr 30 00:51:46 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	2.882	109.7E6	740.3E6	54.930	50.632
28)	SA	Decachlor...	9.076	8.077	161.8E6	786.8E6	48.908	42.578
		Target Compounds						
2)	A	alpha-BHC	4.000	3.395	249.5E6	1174.0E6	57.873	51.353
3)	MA	gamma-BHC...	4.331	3.732	238.8E6	1086.2E6	57.028	50.430
4)	MA	Heptachlor	4.930	4.085	222.6E6	1045.2E6	55.110	48.847
5)	MB	Aldrin	5.273	4.372	225.2E6	1076.3E6	57.025	51.740
6)	B	beta-BHC	4.516	4.027	90866468	471.0E6	55.974	50.897
7)	B	delta-BHC	4.764	4.264	235.5E6	1083.0E6	57.084	50.936
8)	B	Heptachlo...	5.692	4.876	198.2E6	946.1E6	55.448	50.074
9)	A	Endosulfan I	6.076	5.249	188.9E6	809.0E6	55.931	44.914
10)	B	gamma-Chl...	5.946	5.129	201.5E6	1016.5E6	55.631m	50.084
11)	B	alpha-Chl...	6.028	5.193	202.2E6	974.5E6	56.030	49.710
12)	B	4,4'-DDE	6.197	5.377	177.6E6	981.0E6	53.850	49.810m
13)	MA	Dieldrin	6.349	5.516	200.5E6	993.2E6	56.175	49.828
14)	MA	Endrin	6.576	5.792	163.3E6	909.8E6	54.763	49.980
15)	B	Endosulfa...	6.787	6.083	168.4E6	852.1E6	53.861	48.630
16)	A	4,4'-DDD	6.706	5.933	144.7E6	823.2E6	57.549	50.239
17)	MA	4,4'-DDT	7.023	6.187	142.9E6	783.4E6	51.446	46.036
18)	B	Endrin al...	6.916	6.262	119.8E6	617.0E6	51.922	46.386
19)	B	Endosulfa...	7.151	6.485	152.6E6	813.3E6	53.080	47.469
20)	A	Methoxychlor	7.494	6.758	70787967	409.5E6	47.206	44.891
21)	B	Endrin ke...	7.632	6.995	162.4E6	868.0E6	52.620	46.405
22)		Mirex	8.116	7.189	116.8E6	675.2E6	49.723	45.555

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

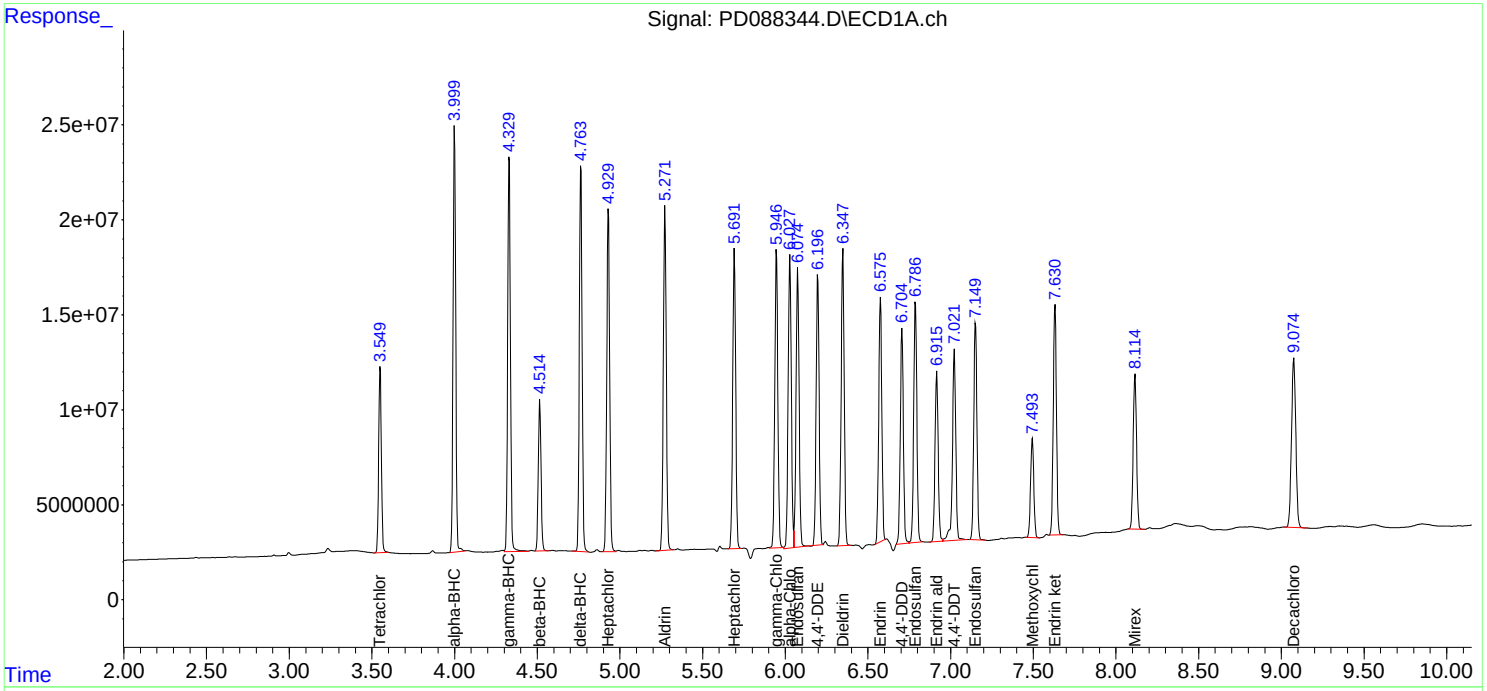
Sample Results: **PD088344.D**

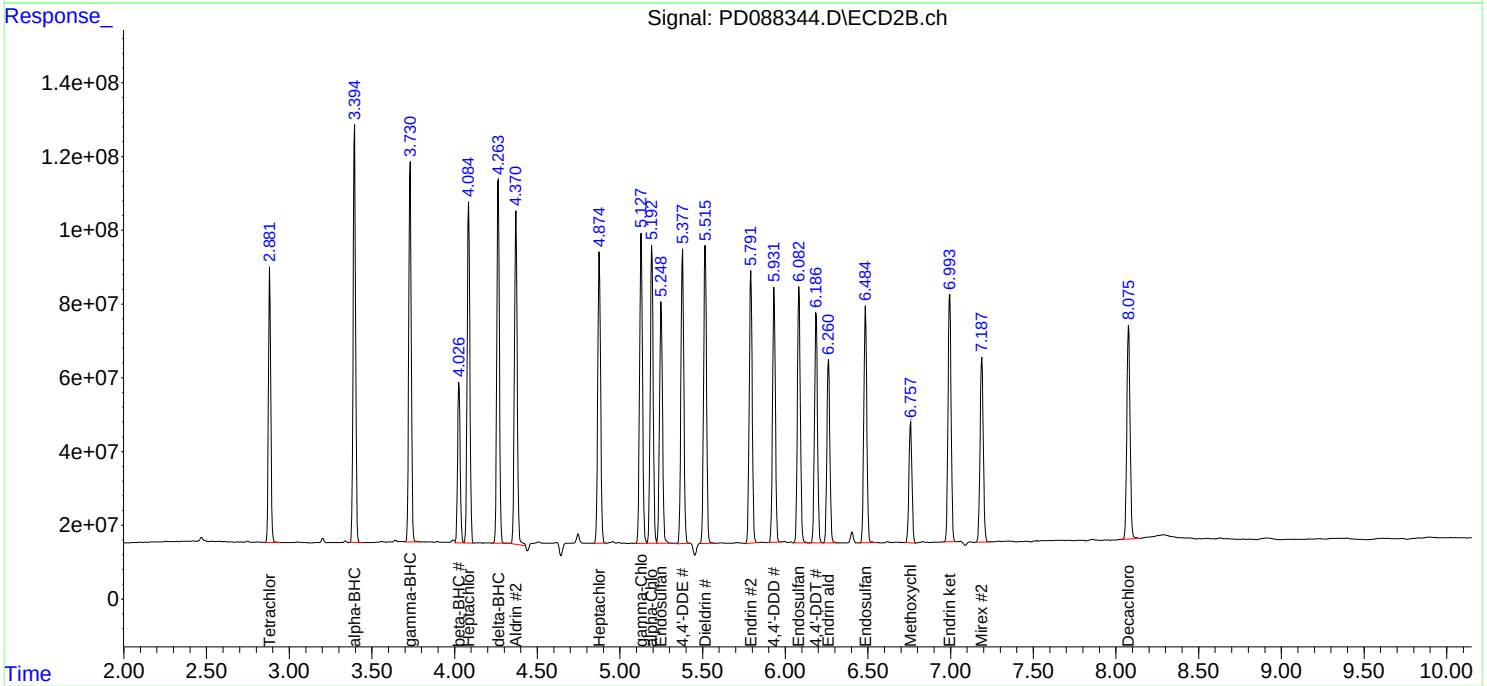
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 17:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:51:46 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: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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

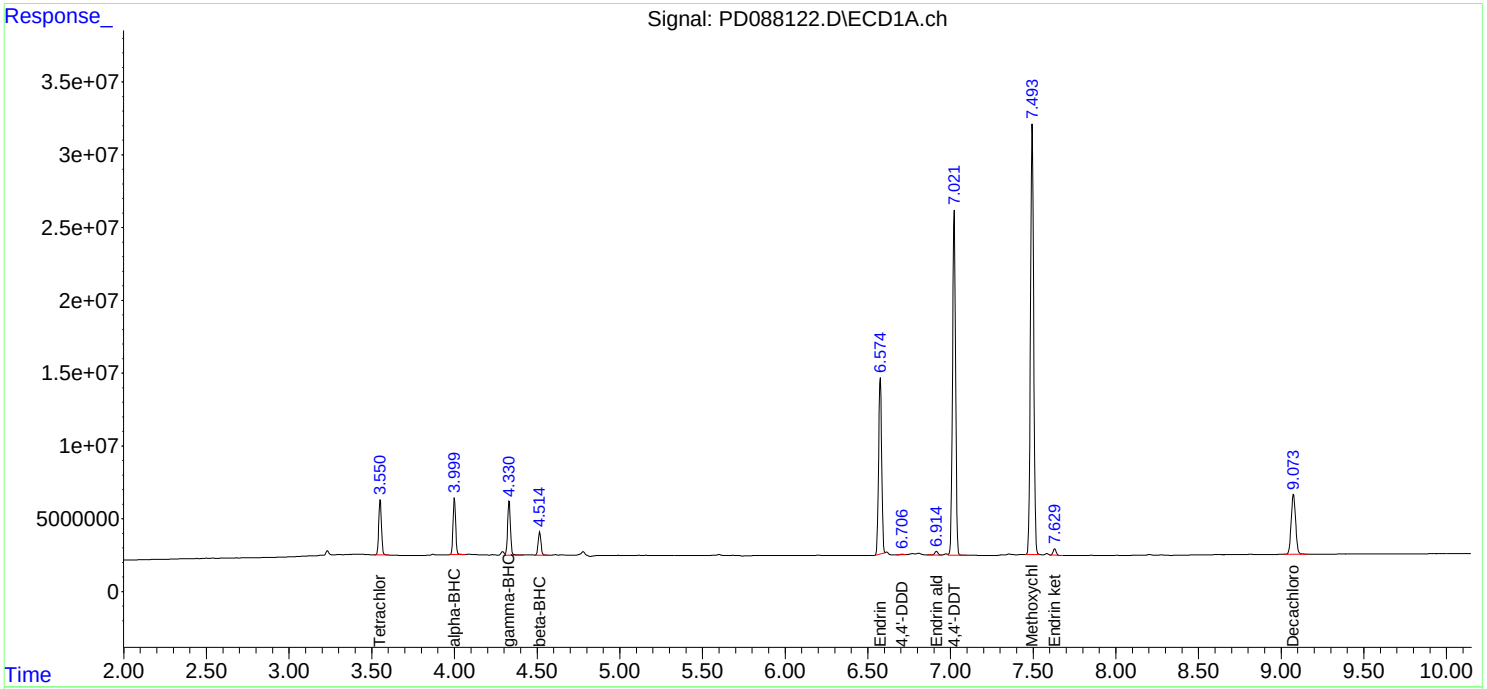
Instrument :
ECD_D
ClientSampleId :
PEM

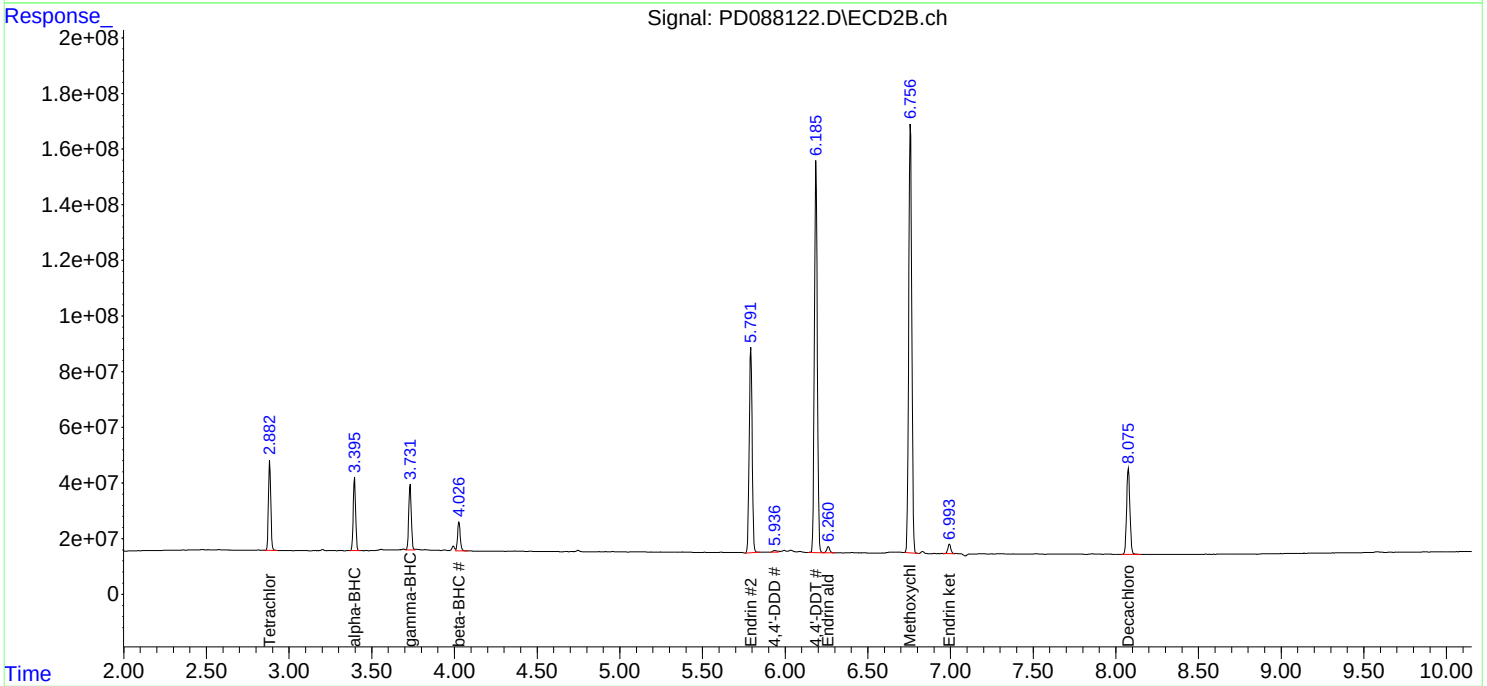
Manual Integrations APPROVED

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

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

Client Sample No. (PEM): PEM - PD088321.D **Date Analyzed:** 04/29/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:50

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.075	8.970	9.180	21.180	20.000	5.9
Tetrachloro-m-xylene	3.551	3.500	3.600	22.180	20.000	10.9
alpha-BHC	4.000	3.950	4.050	10.110	10.000	1.1
beta-BHC	4.516	4.470	4.570	11.610	10.000	16.1
gamma-BHC (Lindane)	4.331	4.280	4.380	10.540	10.000	5.4
Endrin	6.575	6.500	6.650	56.110	50.000	12.2
4,4'-DDT	7.022	6.950	7.090	105.030	100.000	5.0
Methoxychlor	7.494	7.420	7.560	241.280	250.000	-3.5

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

Client Sample No. (PEM): PEM - PD088321.D **Date Analyzed:** 04/29/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:50

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.075	7.970	8.180	19.850	20.000	-0.8
Tetrachloro-m-xylene	2.881	2.830	2.930	21.380	20.000	6.9
alpha-BHC	3.394	3.340	3.440	11.070	10.000	10.7
beta-BHC	4.027	3.980	4.080	11.390	10.000	13.9
gamma-BHC (Lindane)	3.731	3.680	3.780	11.060	10.000	10.6
Endrin	5.791	5.720	5.860	49.800	50.000	-0.4
4,4'-DDT	6.186	6.120	6.260	92.900	100.000	-7.1
Methoxychlor	6.757	6.690	6.830	187.360	250.000	-25.1

PEM

Data File: PD088321.D **Date Acquired** 4/29/2025 11:50

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.58	167337386.6	171513432.9	4176046.27	**2.43**
Endrin aldehyde	6.92	1106758.51			
Endrin ketone	7.63	3069287.763			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	906490299.1	937925457	31435157.9	**3.35**
Endrin aldehyde #2	6.26	9162987.827			
Endrin ketone #2	6.99	22272170.11			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	291716492.7	299708112	7991619.3	**2.67**
4,4'-DDE	6.20	977697.086			
4,4'-DDD	6.71	7013922.217			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1580763326	1633087295	52323968.9	**3.20**
4,4'-DDE #2	5.38	2598543.529			
4,4'-DDD #2	5.93	49725425.42			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 11:50
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:47:25 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	2.881	44295799	312.6E6	22.177	21.378
28)	SA Decachlor...	9.075	8.075	70065316	366.9E6	21.180	19.854
	Target Compounds						
2)	A alpha-BHC	4.000	3.394	43596023	253.0E6	10.110	11.066
3)	MA gamma-BHC...	4.331	3.731	44151214	238.2E6	10.544	11.057
6)	B beta-BHC	4.516	4.027	18839626	105.4E6	11.605	11.391
12)	B 4,4'-DDE	6.201	5.379	977697	2598544	0.296m	0.132m#
14)	MA Endrin	6.575	5.791	167.3E6	906.5E6	56.105	49.801
16)	A 4,4'-DDD	6.705	5.932	7013922	49725425	2.789	3.035
17)	MA 4,4'-DDT	7.022	6.186	291.7E6	1580.8E6	105.027	92.896
18)	B Endrin al...	6.919	6.258	1106759	9162988	0.480	0.689m#
20)	A Methoxychlor	7.494	6.757	361.8E6	1708.9E6	241.280	187.361
21)	B Endrin ke...	7.630	6.993	3069288	22272170	0.994m	1.191

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

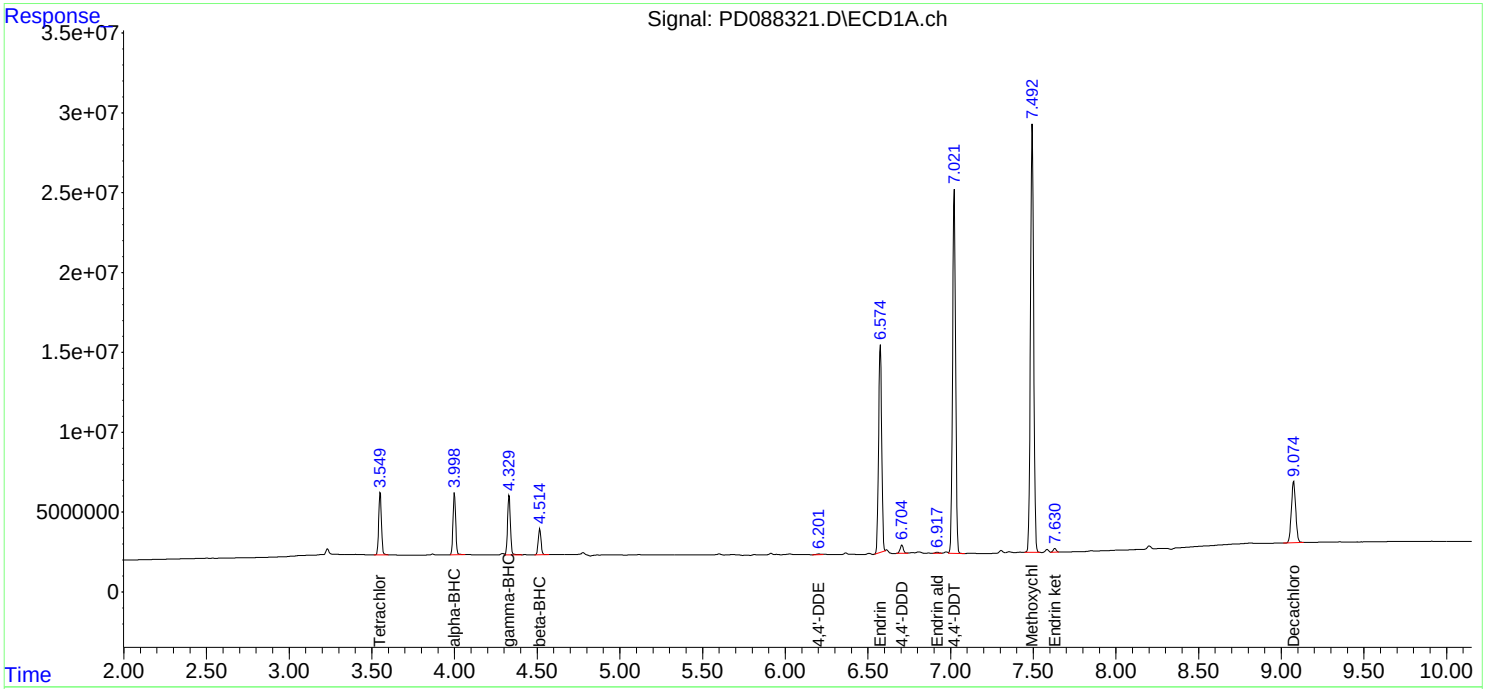
Quantitation Report (QT Reviewed)

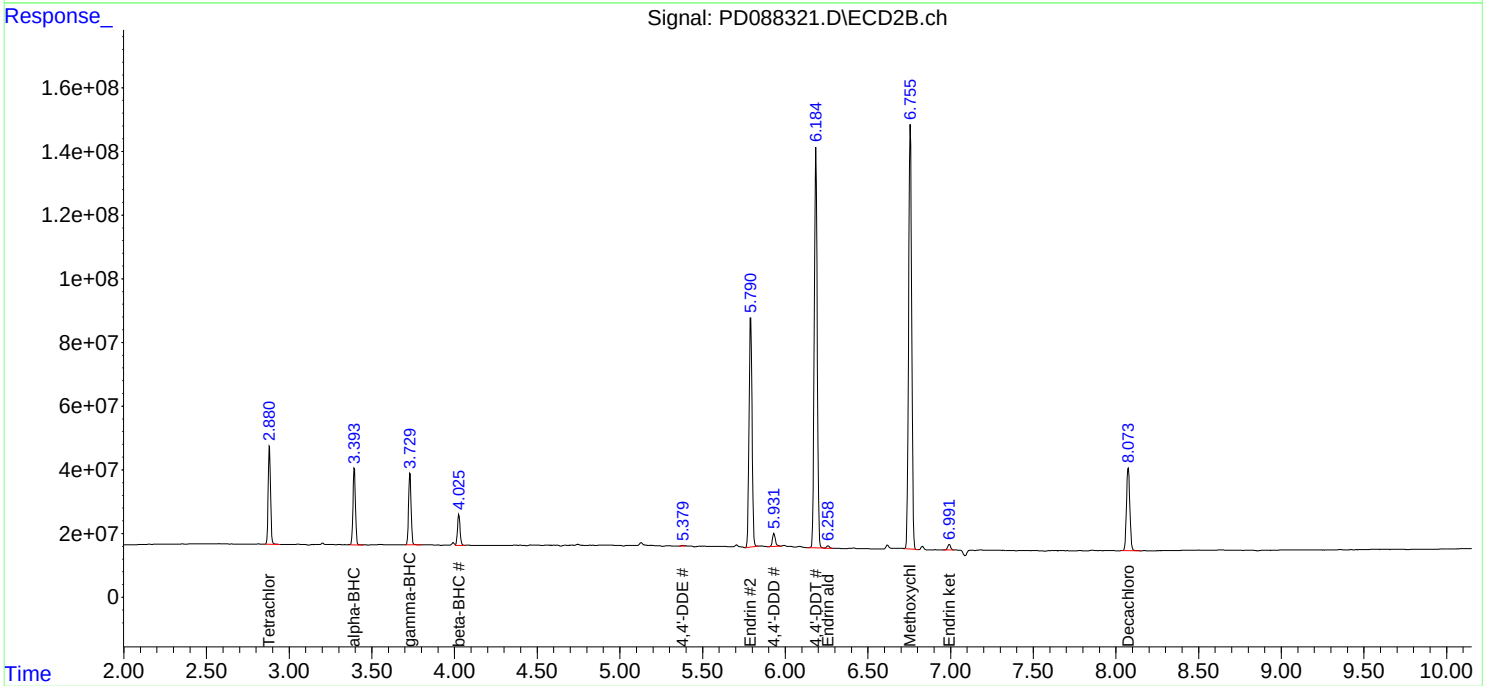
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 11:50
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:47:25 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





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

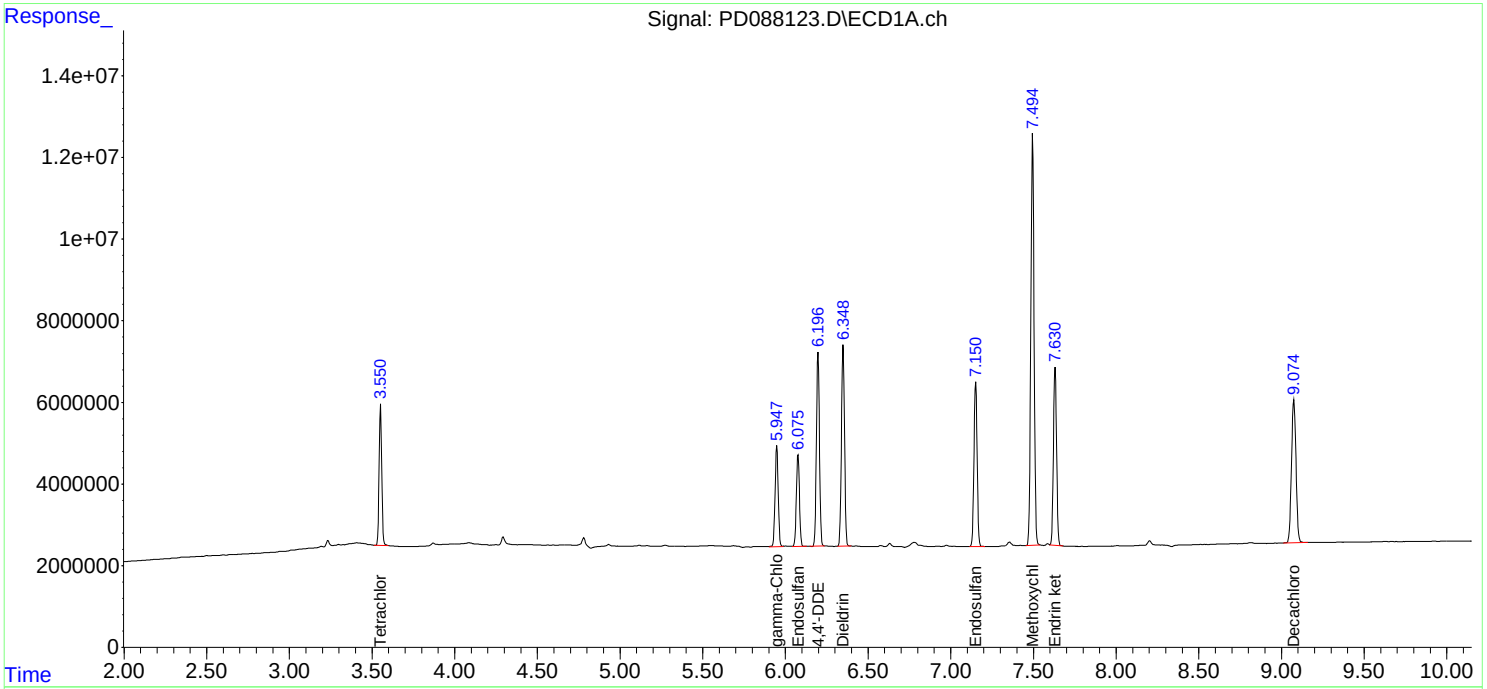
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

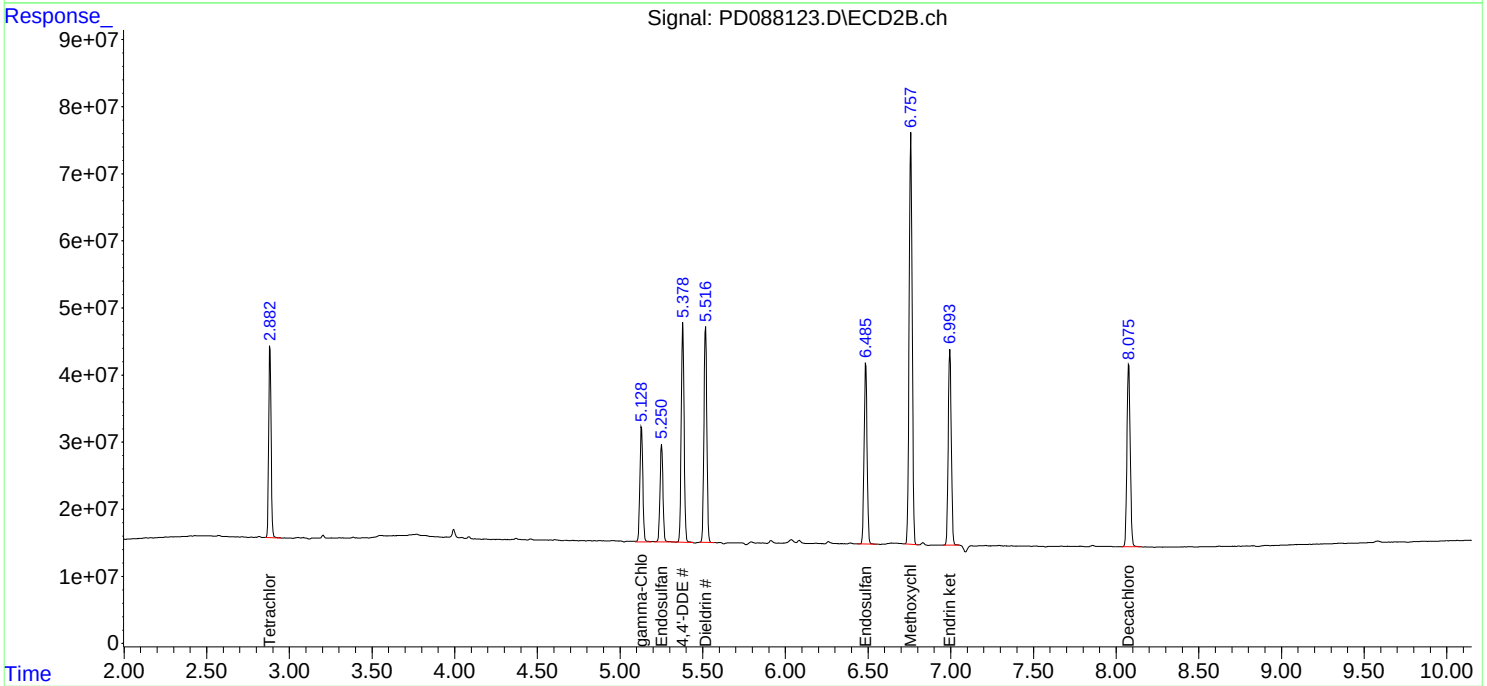
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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: Kleinfelder **SDG No.:** Q1903

Project: Mitchell School **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	04/29/2025	11:37	PD088320.D	9.09	3.56
PEM	PEM	04/29/2025	11:50	PD088321.D	9.08	3.55
PSTDCCC050	PSTDCCC050	04/29/2025	12:35	PD088322.D	9.08	3.55
PB167777BL	PB167777BL	04/29/2025	12:52	PD088323.D	9.08	3.56
PB167777BS	PB167777BS	04/29/2025	13:05	PD088324.D	9.07	3.55
COMP-4	Q1903-01	04/29/2025	14:37	PD088330.D	9.07	3.55
COMP-4MS	Q1903-01MS	04/29/2025	14:51	PD088331.D	9.07	3.55
COMP-4MSD	Q1903-01MSD	04/29/2025	15:04	PD088332.D	9.07	3.55
I.BLK	I.BLK	04/29/2025	15:18	PD088333.D	9.07	3.55
PSTDCCC050	PSTDCCC050	04/29/2025	15:31	PD088334.D	9.07	3.55
COMP-5	Q1903-02	04/29/2025	15:45	PD088335.D	9.07	3.55
COMP-6	Q1903-03	04/29/2025	15:58	PD088336.D	9.07	3.55
I.BLK	I.BLK	04/29/2025	17:34	PD088343.D	9.08	3.55
PSTDCCC050	PSTDCCC050	04/29/2025	17:48	PD088344.D	9.08	3.55

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Fax : 908 789 8922

Analytical Sequence

Client: Kleinfelder **SDG No.:** Q1903

Project: Mitchell School **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	04/29/2025	11:37	PD088320.D	8.08	2.88
PEM	PEM	04/29/2025	11:50	PD088321.D	8.08	2.88
PSTDCCC050	PSTDCCC050	04/29/2025	12:35	PD088322.D	8.08	2.88
PB167777BL	PB167777BL	04/29/2025	12:52	PD088323.D	8.08	2.88
PB167777BS	PB167777BS	04/29/2025	13:05	PD088324.D	8.08	2.88
COMP-4	Q1903-01	04/29/2025	14:37	PD088330.D	8.08	2.88
COMP-4MS	Q1903-01MS	04/29/2025	14:51	PD088331.D	8.08	2.88
COMP-4MSD	Q1903-01MSD	04/29/2025	15:04	PD088332.D	8.08	2.88
I.BLK	I.BLK	04/29/2025	15:18	PD088333.D	8.08	2.88
PSTDCCC050	PSTDCCC050	04/29/2025	15:31	PD088334.D	8.08	2.88
COMP-5	Q1903-02	04/29/2025	15:45	PD088335.D	8.08	2.88
COMP-6	Q1903-03	04/29/2025	15:58	PD088336.D	8.08	2.88
I.BLK	I.BLK	04/29/2025	17:34	PD088343.D	8.08	2.88
PSTDCCC050	PSTDCCC050	04/29/2025	17:48	PD088344.D	8.08	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-4MS

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Lab Sample ID: Q1903-01MS **Date(s) Analyzed:** 04/29/2025 04/29/2025

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
Aldrin	1	5.27	5.22	5.32	18.9	7.7
	2	4.37	4.32	4.42	17.5	
4,4'-DDE	1	6.20	6.15	6.25	18.4	6.2
	2	5.38	5.33	5.43	17.3	
Dieldrin	1	6.35	6.30	6.40	19.0	8.8
	2	5.52	5.47	5.57	17.4	
4,4'-DDD	1	6.71	6.66	6.76	19.2	11.6
	2	5.93	5.88	5.98	17.1	
4,4'-DDT	1	7.02	6.97	7.07	17.2	1.8
	2	6.19	6.14	6.24	16.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-4MSD

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Lab Sample ID: Q1903-01MSD **Date(s) Analyzed:** 04/29/2025 04/29/2025

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	19.4	12
	2	5.93	5.88	5.98	17.2	
4,4'-DDT	1	7.02	6.97	7.07	16.6	1.2
	2	6.19	6.14	6.24	16.8	
Aldrin	1	5.27	5.22	5.32	19.0	8.2
	2	4.37	4.32	4.42	17.5	
4,4'-DDE	1	6.20	6.15	6.25	18.5	5.6
	2	5.38	5.33	5.43	17.5	
Dieldrin	1	6.35	6.30	6.40	19.1	9.3
	2	5.52	5.47	5.57	17.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167777BS

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Lab Sample ID: PB167777BS **Date(s) Analyzed:** 04/29/2025 04/29/2025

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	17.8	8.2
	2	5.93	5.88	5.98	16.4	
4,4'-DDE	1	6.20	6.15	6.25	17.4	7.1
	2	5.38	5.33	5.43	16.2	
4,4'-DDT	1	7.02	6.97	7.07	17.1	7.3
	2	6.19	6.14	6.24	15.9	
Aldrin	1	5.27	5.22	5.32	17.5	7.7
	2	4.37	4.32	4.42	16.2	
Dieldrin	1	6.35	6.30	6.40	17.9	9.4
	2	5.52	5.47	5.57	16.3	

QC SAMPLE DATA

Raw Data: **PD088323.D**

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Mitchell School	Date Received:	
Client Sample ID:	PB167777BL	SDG No.:	Q1903
Lab Sample ID:	PB167777BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088323.D	1	04/29/25 08:35	04/29/25 12:52	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.12	U	0.12	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
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.0		20 - 144	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		19 - 148	91%	SPK: 20

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\PD042925\
Data File : PD088323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:52
Operator : AR\AJ
Sample : PB167777BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167777BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:47:46 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...	3.555	2.881	35106868	264.7E6	17.576	18.105
28)	SA Decachlor...	9.080	8.077	59602119	315.0E6	18.017	17.044
	Target Compounds						

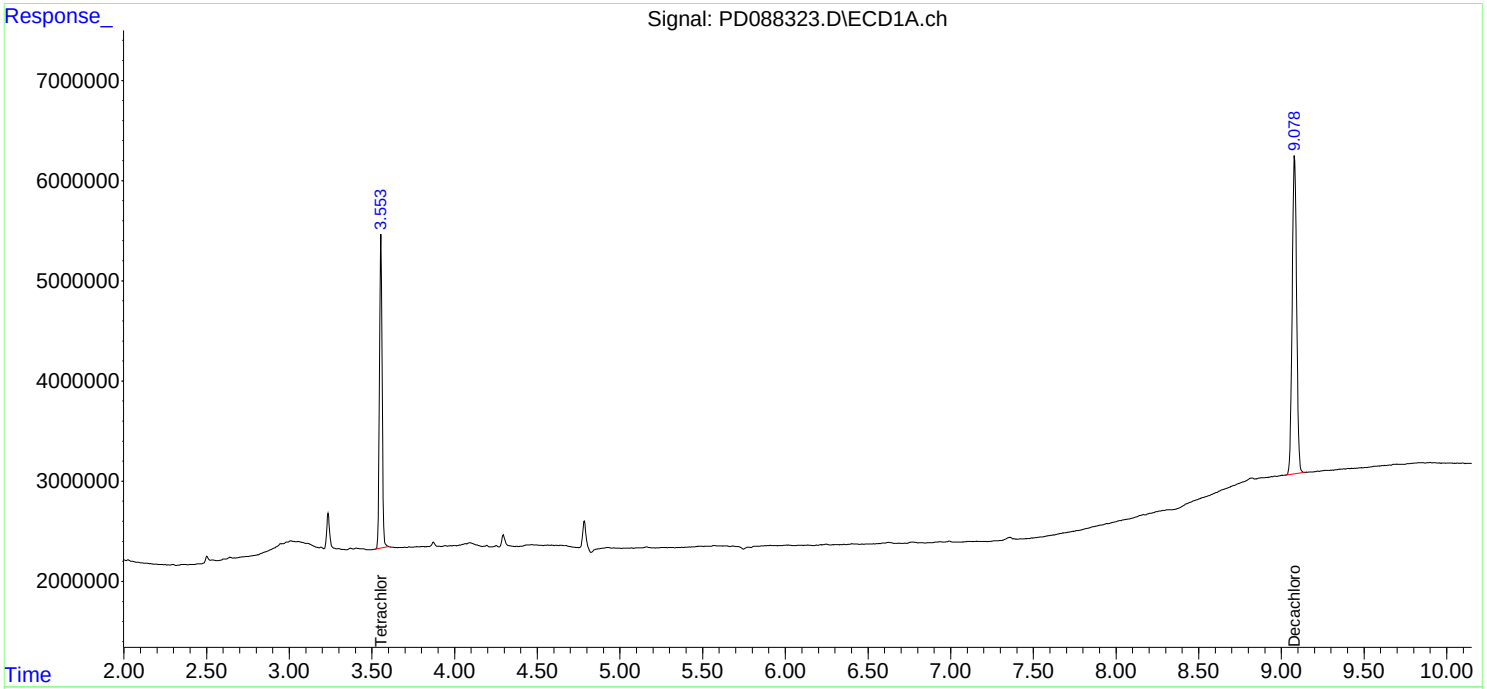
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

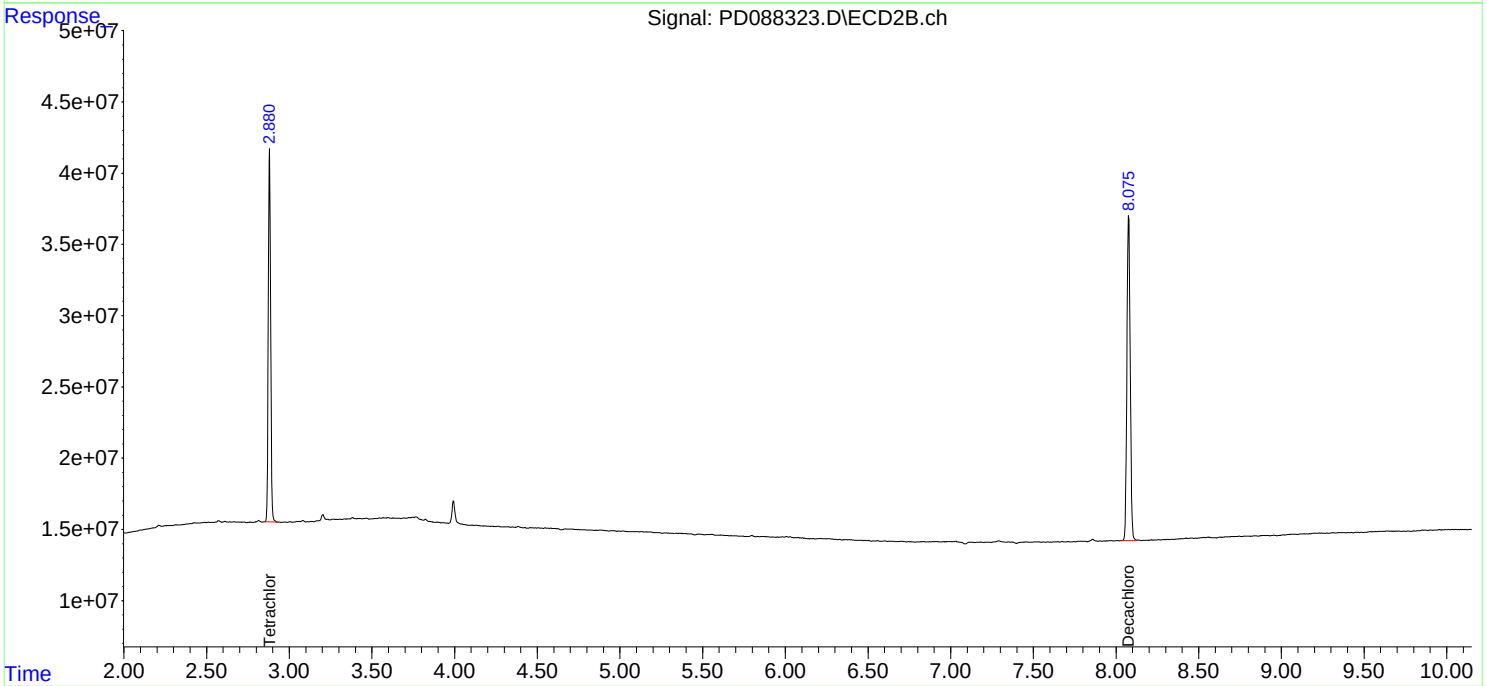
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:52
Operator : AR\AJ
Sample : PB167777BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

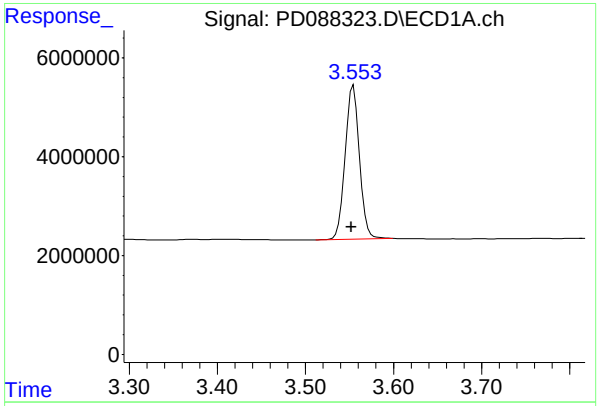
Instrument :
ECD_D
ClientSampleId :
PB167777BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:47:46 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



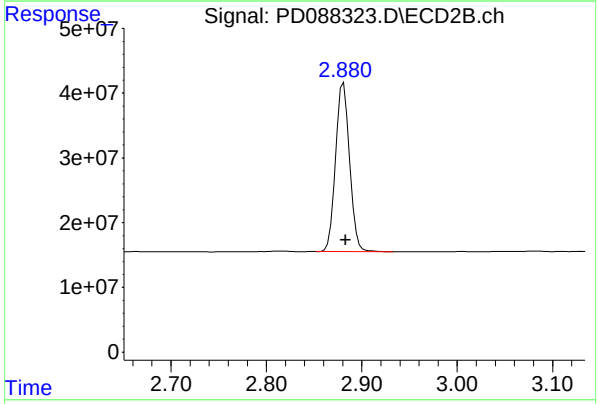




#1 Tetrachloro-m-xylene

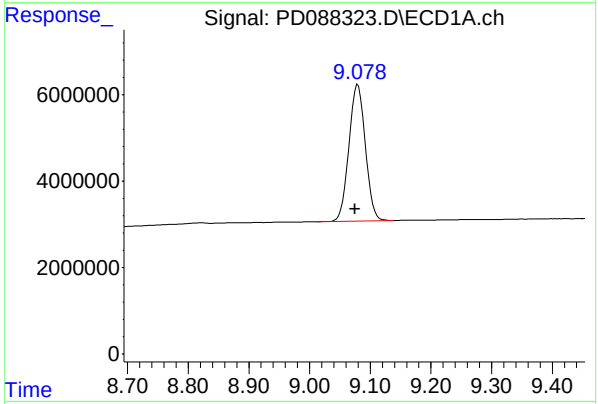
R.T.: 3.555 min
Delta R.T.: 0.003 min
Response: 35106868
Conc: 17.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167777BL



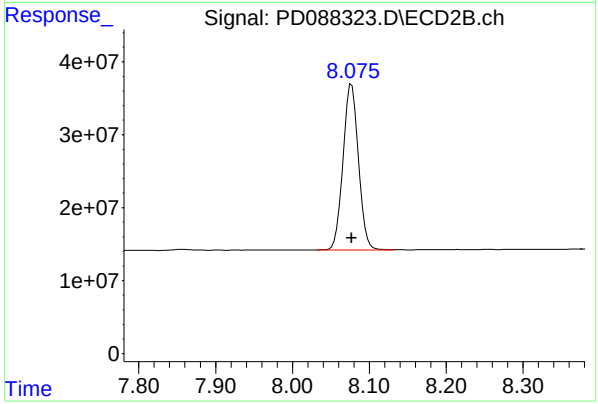
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 264727637
Conc: 18.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.005 min
Response: 59602119
Conc: 18.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 314959225
Conc: 17.04 ng/ml

Raw Data: **PD088121.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Mitchell School	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1903
Lab Sample ID:	I.BLK-PD088121.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
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						
309-00-2	Aldrin	0.0036	U	0.0036	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
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	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

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						

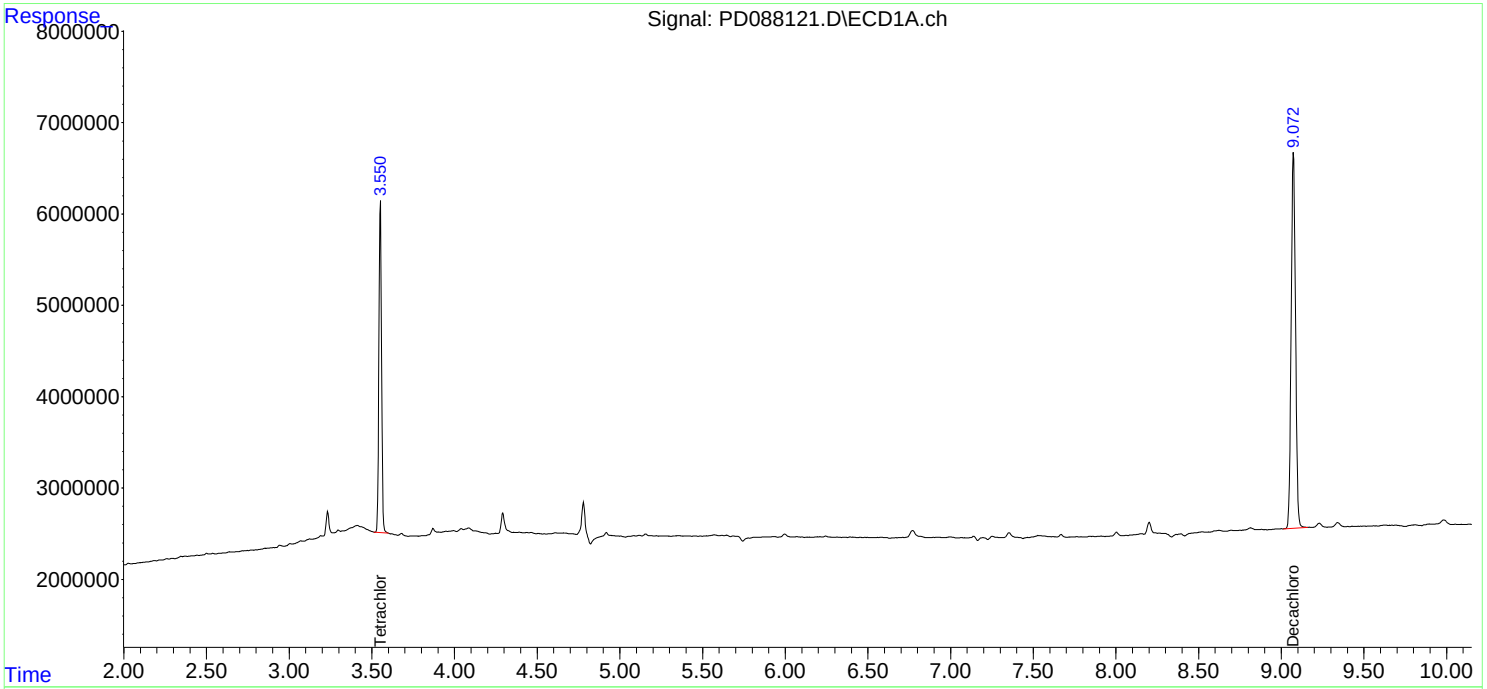
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

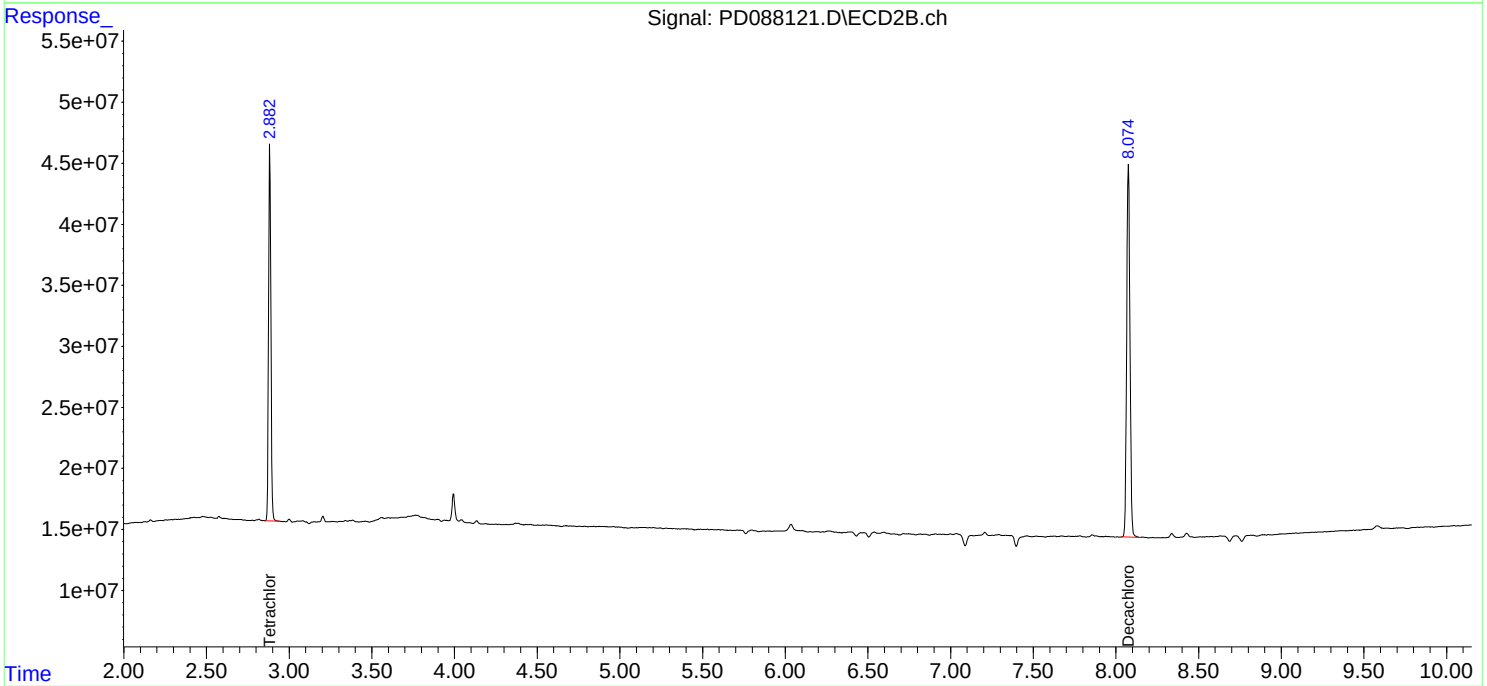
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

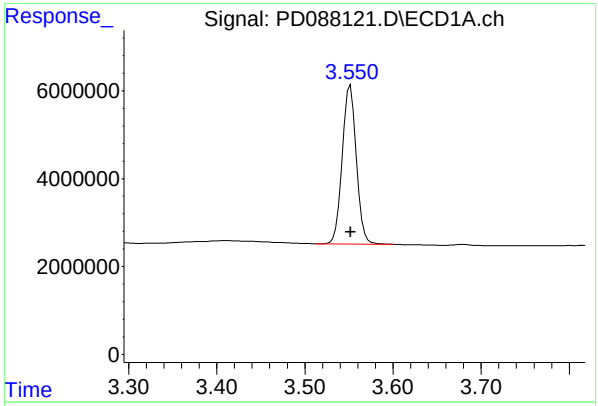
Instrument :
ECD_D
ClientSampleId :
I.BLK

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



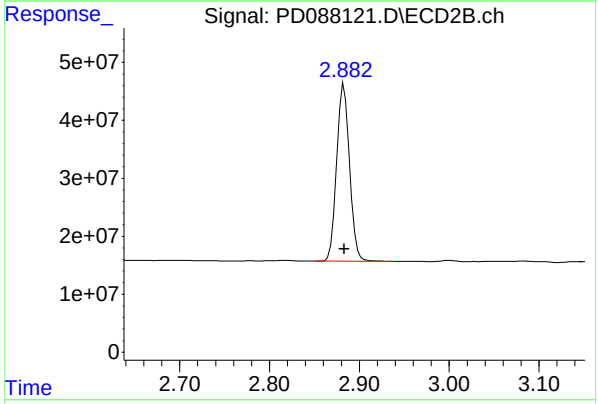




#1 Tetrachloro-m-xylene

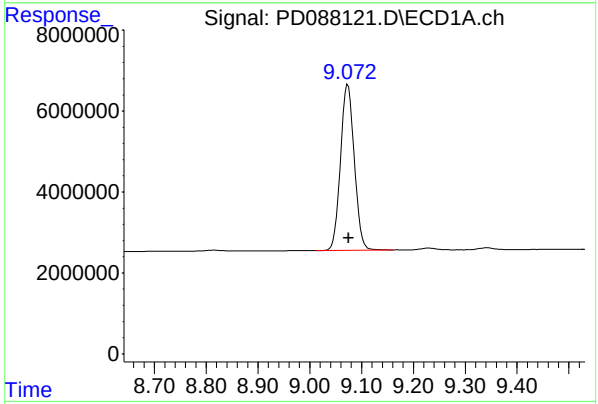
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 40168059
Conc: 20.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



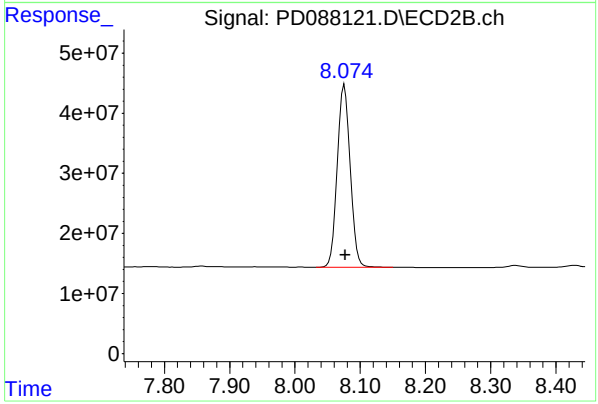
#1 Tetrachloro-m-xylene

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: **PD088320.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/29/25
Project:	Mitchell School	Date Received:	04/29/25
Client Sample ID:	PIBLK-PD088320.D	SDG No.:	Q1903
Lab Sample ID:	I.BLK-PD088320.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088320.D	1		04/29/25	pd042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	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
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		77 - 126	93%	SPK: 20

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: **PD088320.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 11:37
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 30 00:47:13 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...	3.558	2.881	37327503	263.6E6	18.688	18.026
28)	SA Decachlor...	9.085	8.078	61914906	325.2E6	18.716	17.595
	Target Compounds						

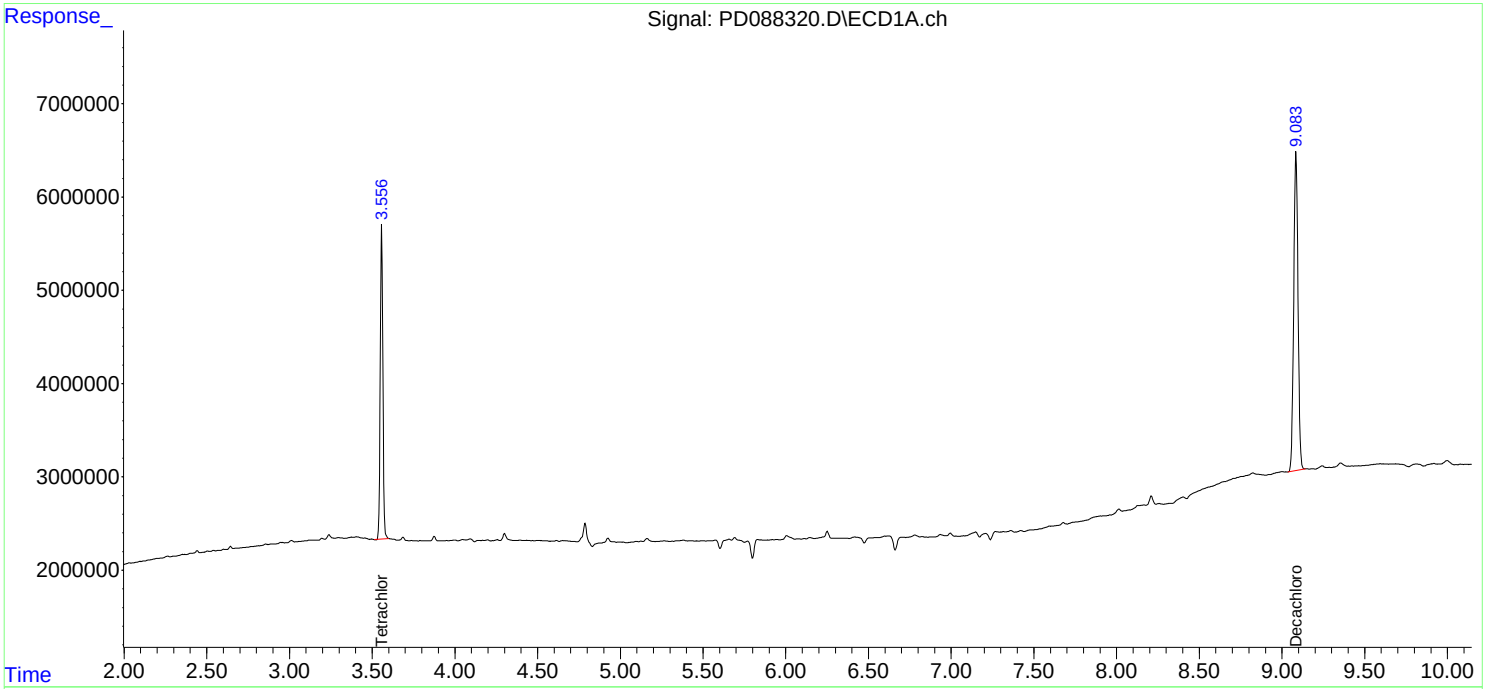
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

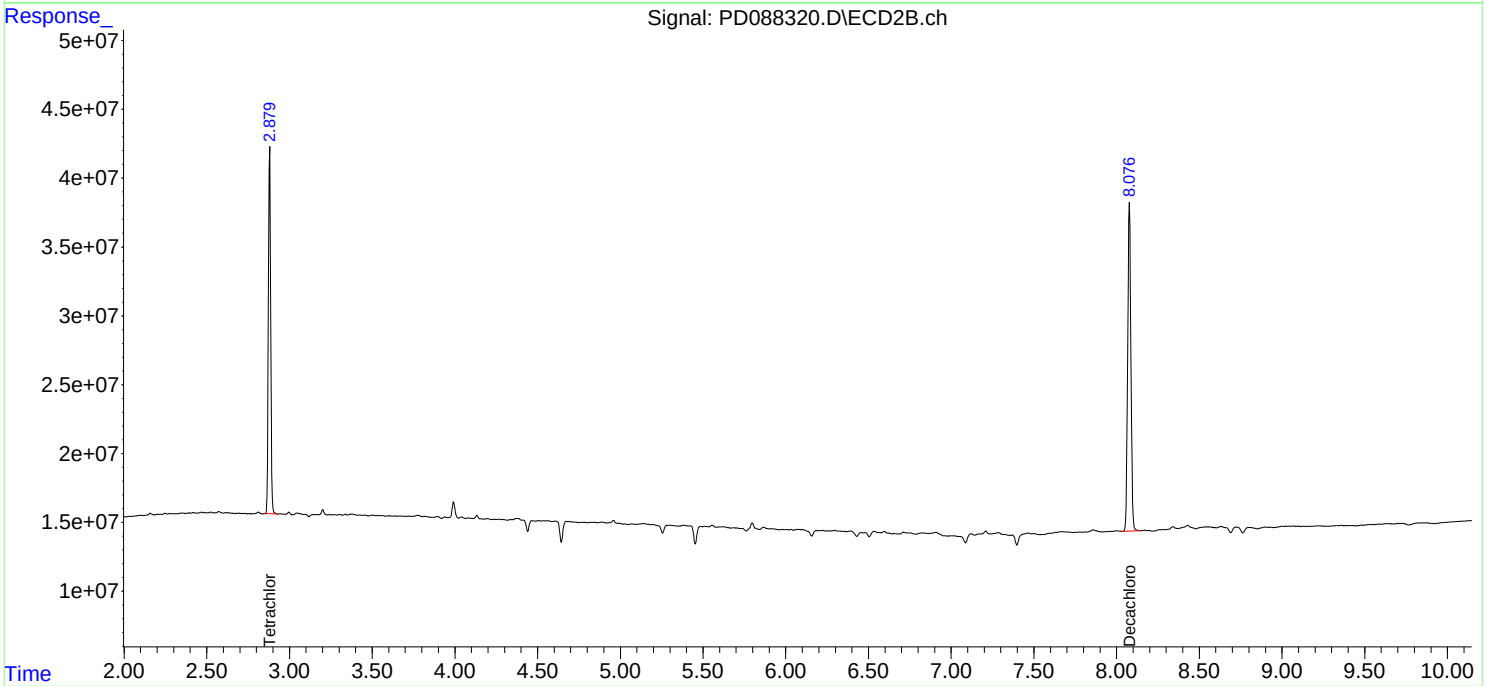
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 11:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

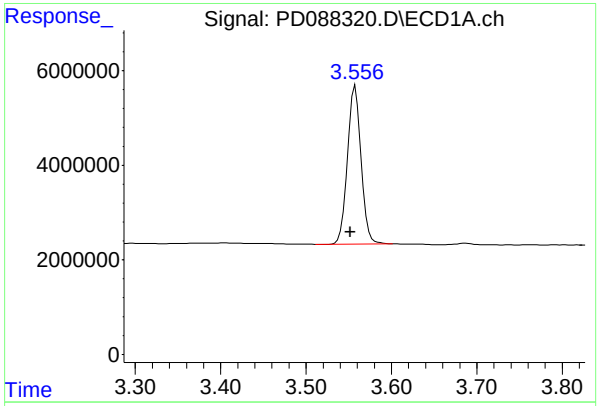
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:47:13 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



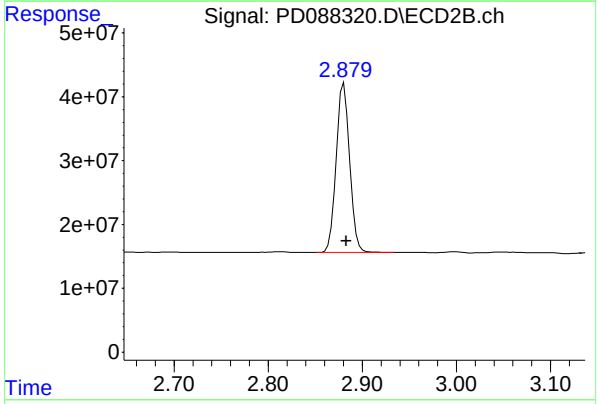




#1 Tetrachloro-m-xylene

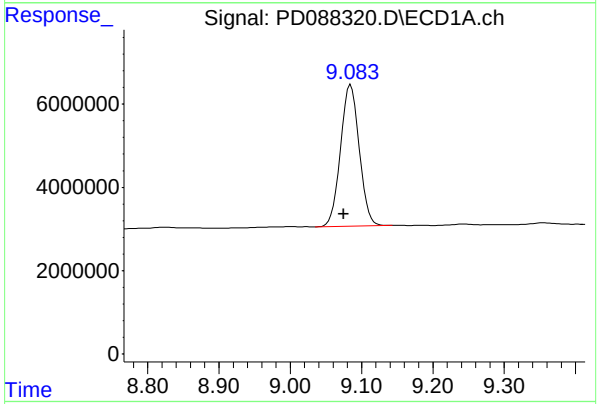
R.T.: 3.558 min
Delta R.T.: 0.006 min
Response: 37327503
Conc: 18.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



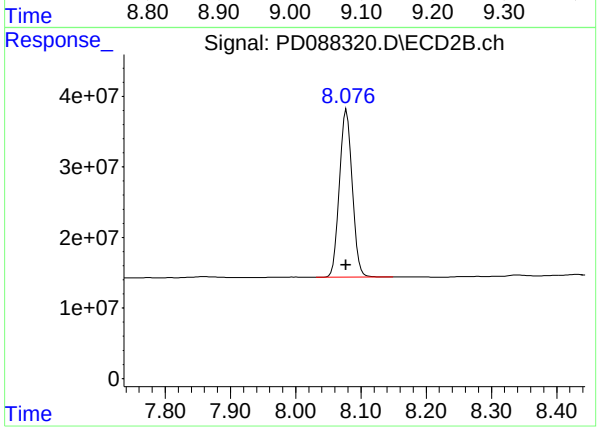
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 263564458
Conc: 18.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.085 min
Delta R.T.: 0.010 min
Response: 61914906
Conc: 18.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 325154289
Conc: 17.60 ng/ml

Raw Data: **PD088333.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/29/25
Project:	Mitchell School	Date Received:	04/29/25
Client Sample ID:	PIBLK-PD088333.D	SDG No.:	Q1903
Lab Sample ID:	I.BLK-PD088333.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088333.D	1		04/29/25	pd042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	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
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		77 - 126	96%	SPK: 20

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: **PD088333.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:18
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: Apr 30 00:49:31 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	2.882	38415193	278.9E6	19.233	19.078
28)	SA Decachlor...	9.074	8.076	63847949	331.8E6	19.300	17.955
	Target Compounds						

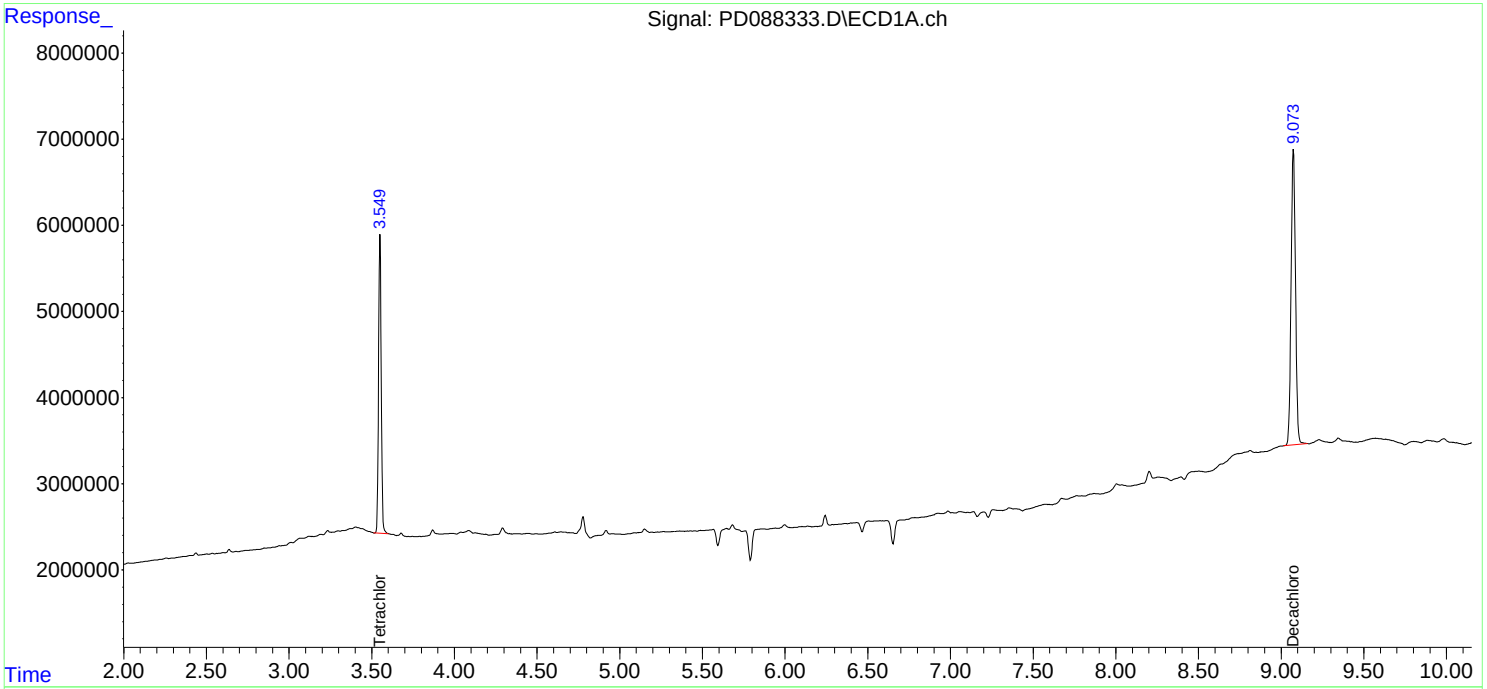
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

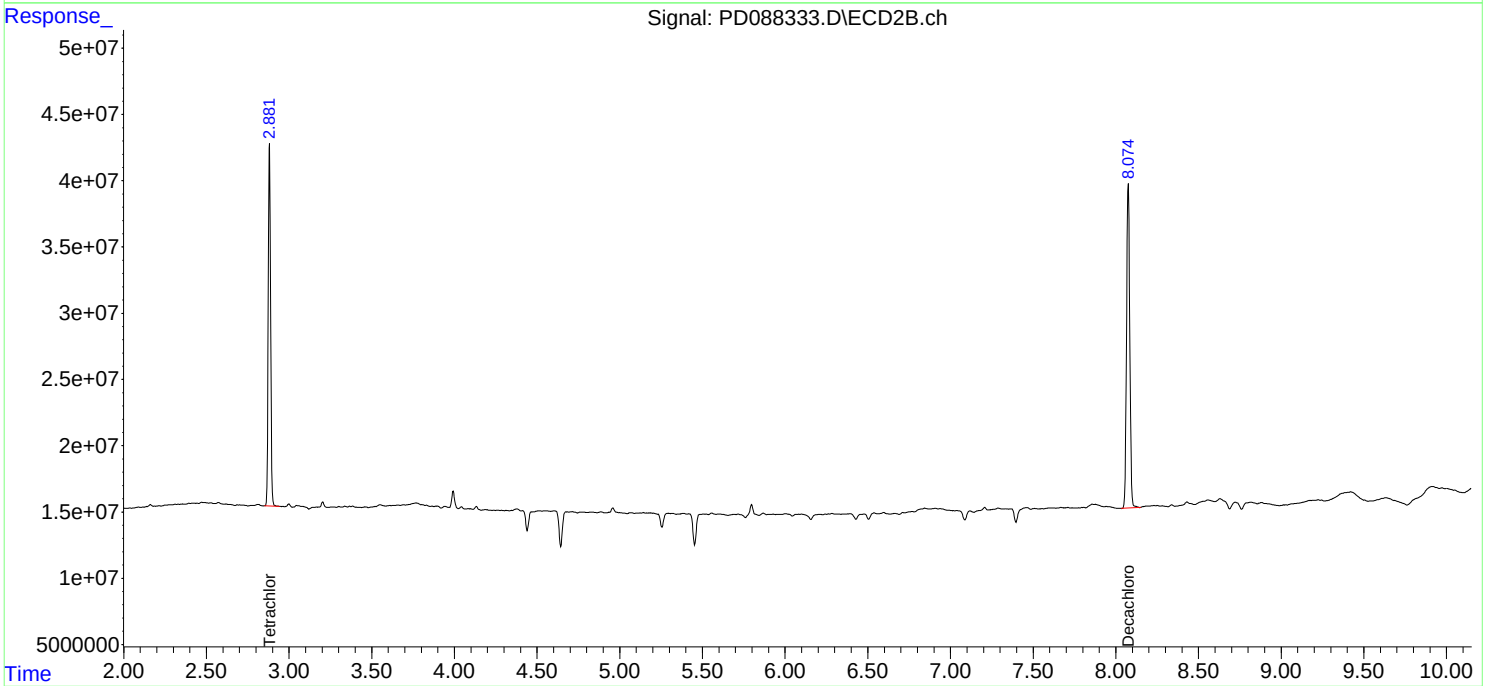
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:18
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

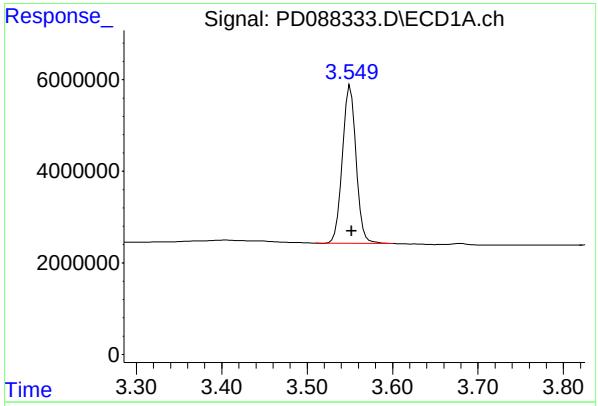
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:49:31 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



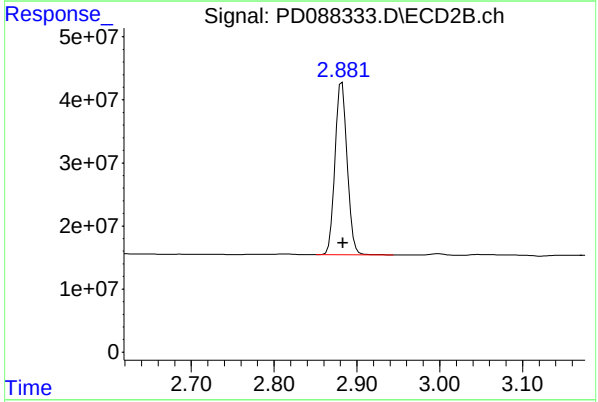




#1 Tetrachloro-m-xylene

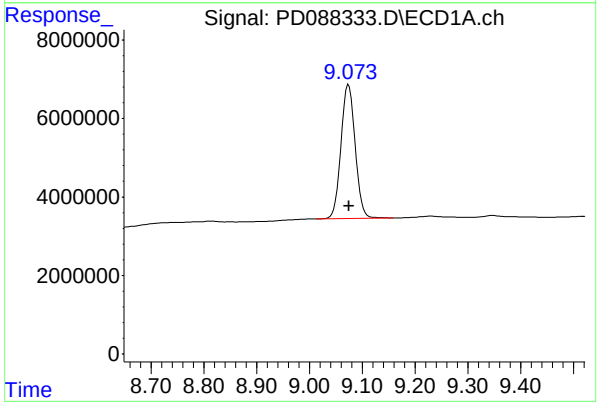
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 38415193
Conc: 19.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



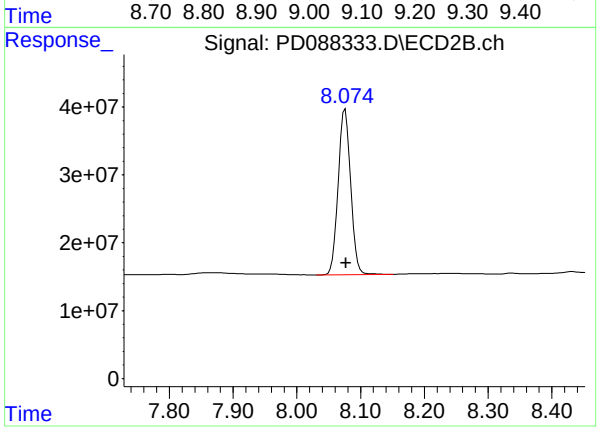
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 278947895
Conc: 19.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 63847949
Conc: 19.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 331799738
Conc: 17.95 ng/ml

Raw Data: **PD088343.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/29/25
Project:	Mitchell School	Date Received:	04/29/25
Client Sample ID:	PIBLK-PD088343.D	SDG No.:	Q1903
Lab Sample ID:	I.BLK-PD088343.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088343.D	1		04/29/25	pd042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	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
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.8		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		77 - 126	96%	SPK: 20

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: **PD088343.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 17:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:51:35 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...	3.551	2.882	38441063	276.2E6	19.246	18.889
28)	SA Decachlor...	9.075	8.076	62070685	291.4E6	18.763	15.766
	Target Compounds						

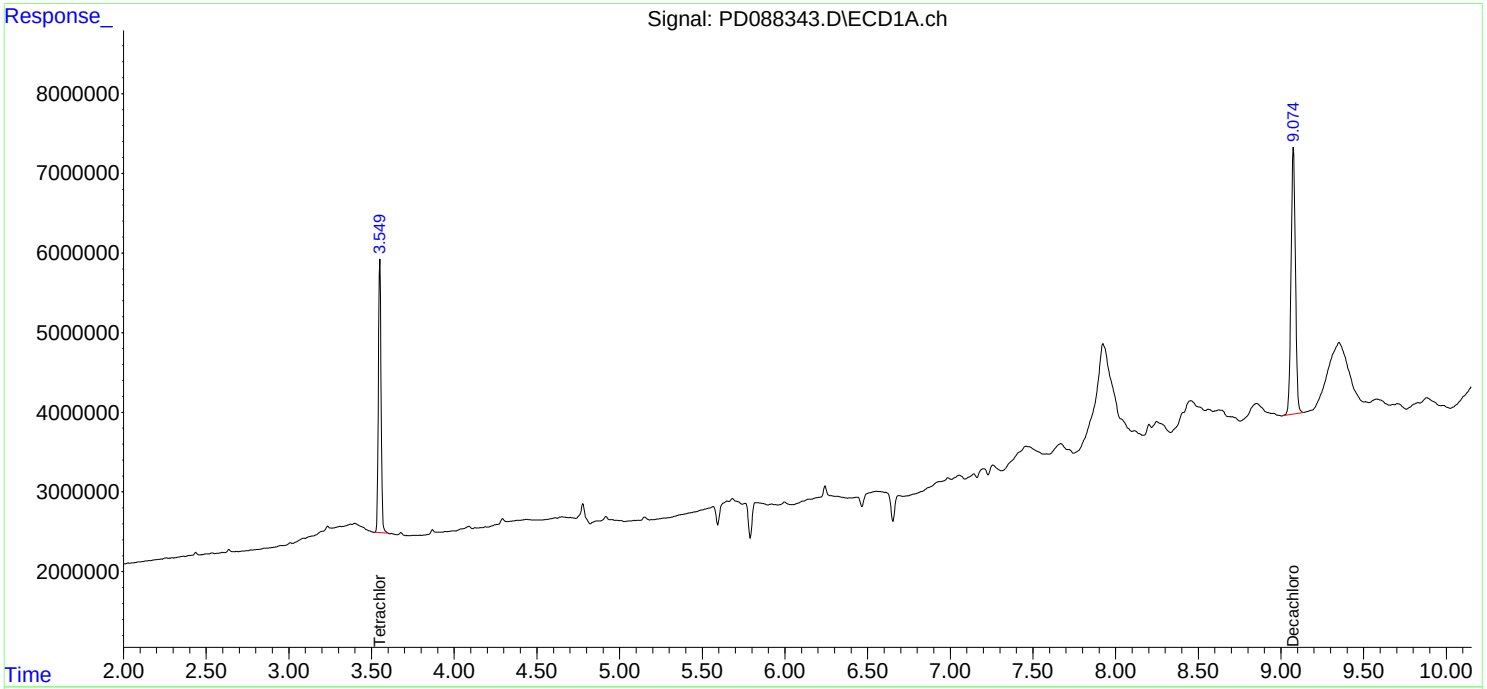
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

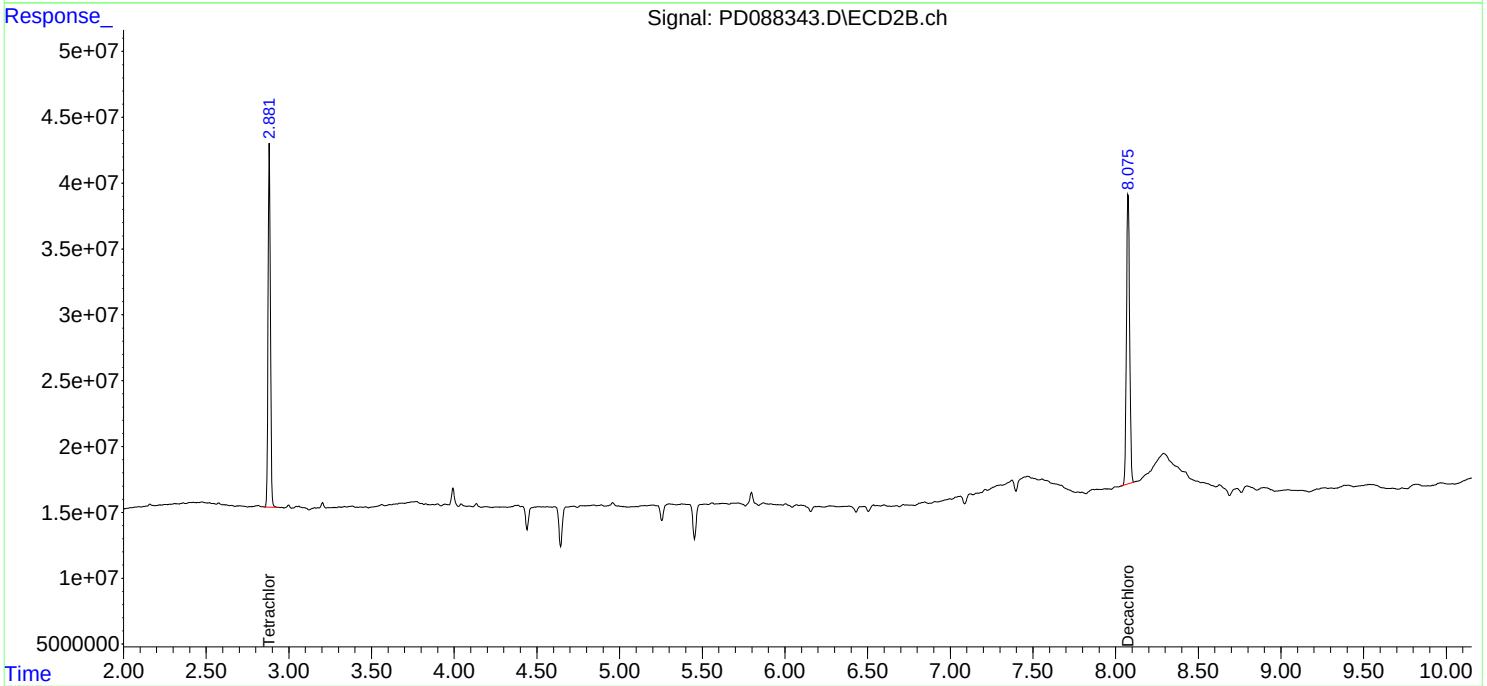
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088343.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 17:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

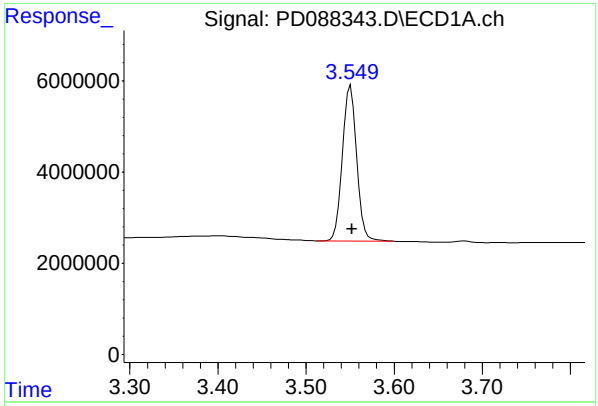
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:51:35 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



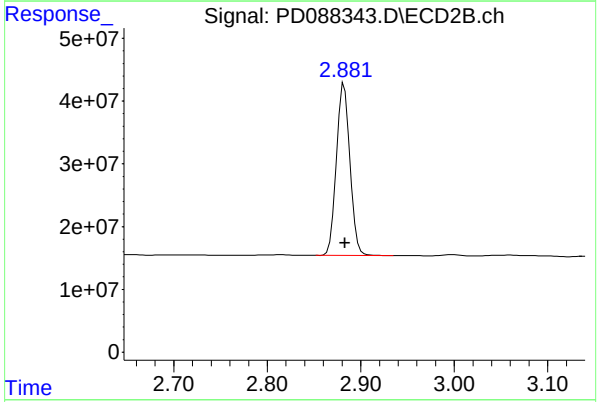




#1 Tetrachloro-m-xylene

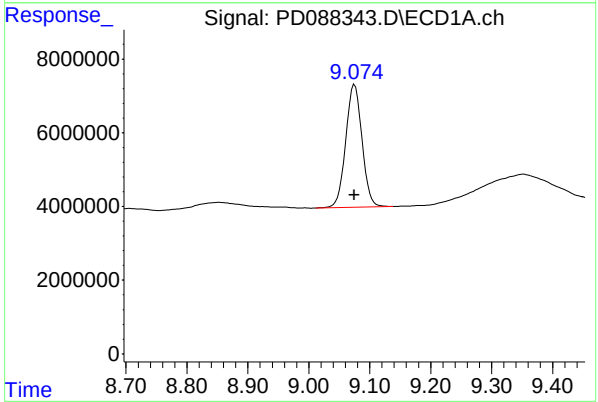
R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 38441063
Conc: 19.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



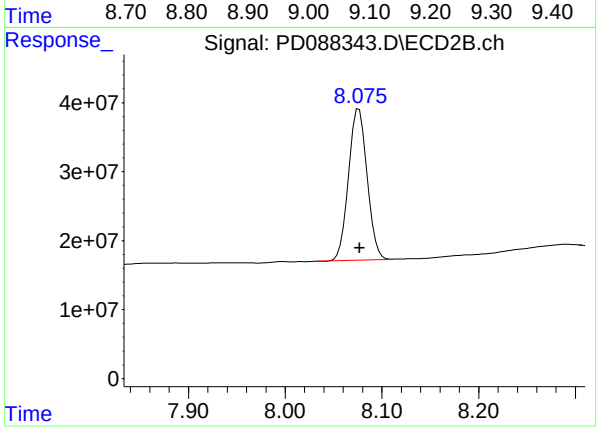
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 276185750
Conc: 18.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 62070685
Conc: 18.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 291358413
Conc: 15.77 ng/ml

Raw Data: **PD088324.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Mitchell School	Date Received:	
Client Sample ID:	PB167777BS	SDG No.:	Q1903
Lab Sample ID:	PB167777BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088324.D	1	04/29/25 08:35	04/29/25 13:05	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	17.5		0.12	1.70	ug/kg
60-57-1	Dieldrin	17.9		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.4		0.14	1.70	ug/kg
72-54-8	4,4-DDD	17.8		0.15	1.70	ug/kg
50-29-3	4,4-DDT	17.1		0.14	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		20 - 144	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

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: **PD088324.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 13:05
Operator : AR\AJ
Sample : PB167777BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167777BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:47:56 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	41574588	315.2E6	20.814	21.559
28)	SA	Decachlor...	9.074	8.076	71576213	378.1E6	21.637	20.460
		Target Compounds						
2)	A	alpha-BHC	4.000	3.394	221.2E6	1106.6E6	51.297	48.403
3)	MA	gamma-BHC...	4.331	3.731	214.6E6	1031.3E6	51.257	47.882
4)	MA	Heptachlor	4.931	4.085	210.3E6	1017.6E6	52.080	47.555
5)	MB	Aldrin	5.272	4.371	207.7E6	1008.9E6	52.592	48.500
6)	B	beta-BHC	4.516	4.027	82618931	455.7E6	50.893	49.246
7)	B	delta-BHC	4.764	4.263	220.9E6	1036.5E6	53.546	48.749
8)	B	Heptachlo...	5.692	4.875	187.7E6	916.6E6	52.533	48.514
9)	A	Endosulfan I	6.075	5.249	178.7E6	876.8E6	52.926	48.679
10)	B	gamma-Chl...	5.947	5.128	190.2E6	990.2E6	52.518	48.789
11)	B	alpha-Chl...	6.028	5.192	189.5E6	951.3E6	52.505	48.526
12)	B	4,4'-DDE	6.196	5.378	171.9E6	956.5E6	52.124	48.570
13)	MA	Dieldrin	6.348	5.515	191.8E6	976.1E6	53.761	48.970
14)	MA	Endrin	6.575	5.791	156.3E6	870.6E6	52.404	47.829
15)	B	Endosulfa...	6.786	6.083	161.9E6	849.1E6	51.795	48.461
16)	A	4,4'-DDD	6.706	5.932	134.0E6	808.7E6	53.266	49.354
17)	MA	4,4'-DDT	7.022	6.186	142.8E6	811.3E6	51.428	47.677
18)	B	Endrin al...	6.915	6.261	123.3E6	651.6E6	53.443	48.986
19)	B	Endosulfa...	7.150	6.484	152.0E6	819.6E6	52.871	47.835
20)	A	Methoxychlor	7.494	6.757	74000794	423.7E6	49.349	46.458
21)	B	Endrin ke...	7.630	6.994	162.8E6	897.7E6	52.760	47.996
22)		Mirex	8.115	7.188	117.2E6	681.9E6	49.896	46.010

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

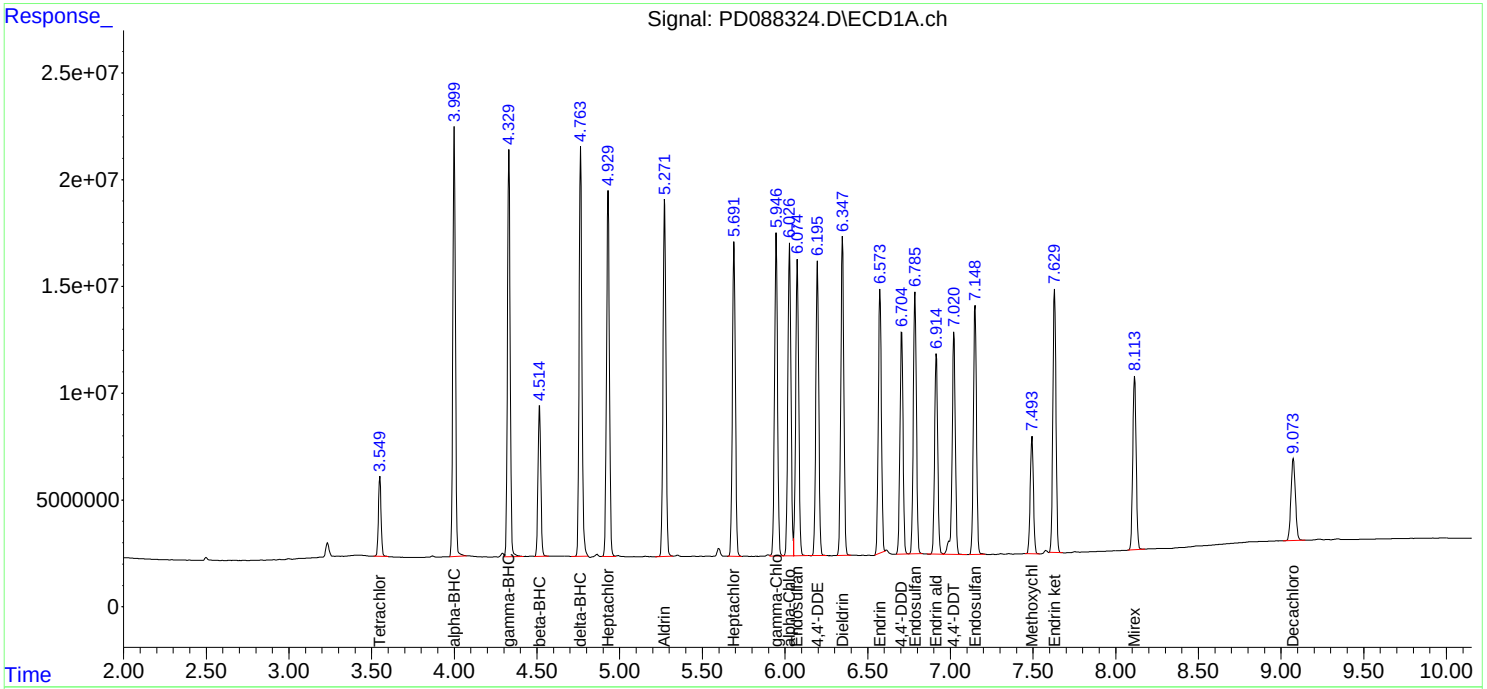
Sample Results: **PD088324.D**

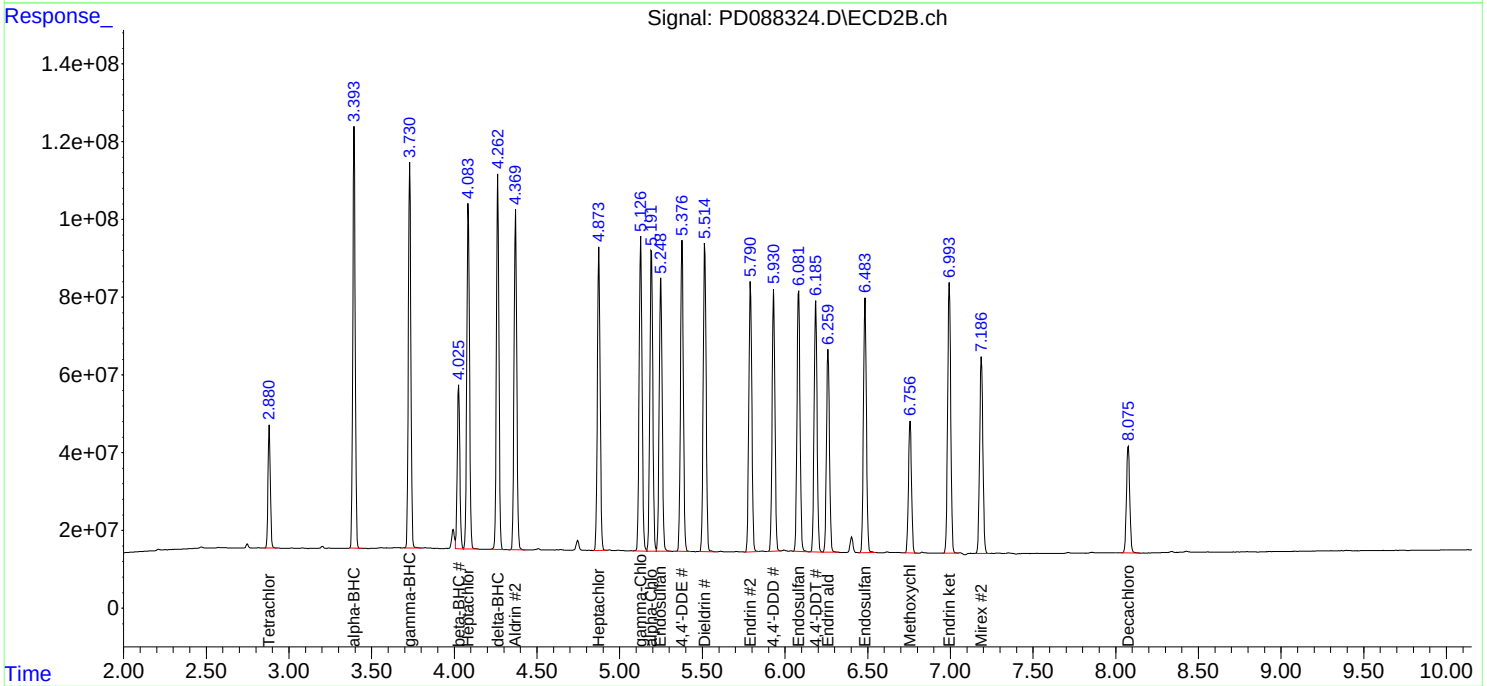
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 13:05
Operator : AR\AJ
Sample : PB167777BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167777BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:47:56 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: **PD088331.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-4MS	SDG No.:	Q1903
Lab Sample ID:	Q1903-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088331.D	1	04/29/25 08:35	04/29/25 14:51	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	18.9		0.14	2.00	ug/kg
60-57-1	Dieldrin	19.0		0.17	2.00	ug/kg
72-55-9	4,4-DDE	18.4		0.17	2.00	ug/kg
72-54-8	4,4-DDD	19.2		0.18	2.00	ug/kg
50-29-3	4,4-DDT	17.2		0.17	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		19 - 148	87%	SPK: 20

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: **PD088331.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 14:51
Operator : AR\AJ
Sample : Q1903-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-4MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:49:08 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	2.882	33431899	255.2E6	16.738	17.452
28)	SA	Decachlor...	9.074	8.077	54388252	280.8E6	16.441	15.197
		Target Compounds						
2)	A	alpha-BHC	3.999	3.395	199.6E6	1005.3E6	46.282	43.974
3)	MA	gamma-BHC...	4.330	3.731	195.4E6	932.5E6	46.673	43.293
4)	MA	Heptachlor	4.930	4.085	186.9E6	917.3E6	46.277	42.867
5)	MB	Aldrin	5.272	4.371	186.6E6	908.0E6	47.254	43.647
6)	B	beta-BHC	4.515	4.027	75021942	416.0E6	46.213	44.950
7)	B	delta-BHC	4.763	4.264	196.7E6	932.8E6	47.682	43.875
8)	B	Heptachlo...	5.692	4.875	168.2E6	822.5E6	47.075	43.532
9)	A	Endosulfan I	6.075	5.250	159.2E6	784.6E6	47.142	43.558
10)	B	gamma-Chl...	5.947	5.128	168.2E6	882.6E6	46.434	43.487
11)	B	alpha-Chl...	6.028	5.193	168.9E6	852.6E6	46.790	43.494
12)	B	4,4'-DDE	6.196	5.378	152.1E6	853.9E6	46.113	43.357
13)	MA	Dieldrin	6.348	5.515	169.5E6	865.0E6	47.487	43.396
14)	MA	Endrin	6.575	5.792	140.4E6	797.8E6	47.070	43.827
15)	B	Endosulfa...	6.787	6.082	142.5E6	754.3E6	45.580	43.048m
16)	A	4,4'-DDD	6.705	5.933	121.0E6	700.8E6	48.121	42.767
17)	MA	4,4'-DDT	7.022	6.186	119.4E6	717.3E6	42.995	42.152
18)	B	Endrin al...	6.915	6.261	109.0E6	590.3E6	47.247	44.383
19)	B	Endosulfa...	7.150	6.485	131.8E6	719.7E6	45.839	42.004
20)	A	Methoxychlor	7.494	6.757	63274073	362.6E6	42.196	39.751
21)	B	Endrin ke...	7.630	6.994	141.4E6	775.8E6	45.817	41.477
22)		Mirex	8.115	7.189	102.2E6	598.7E6	43.525	40.393

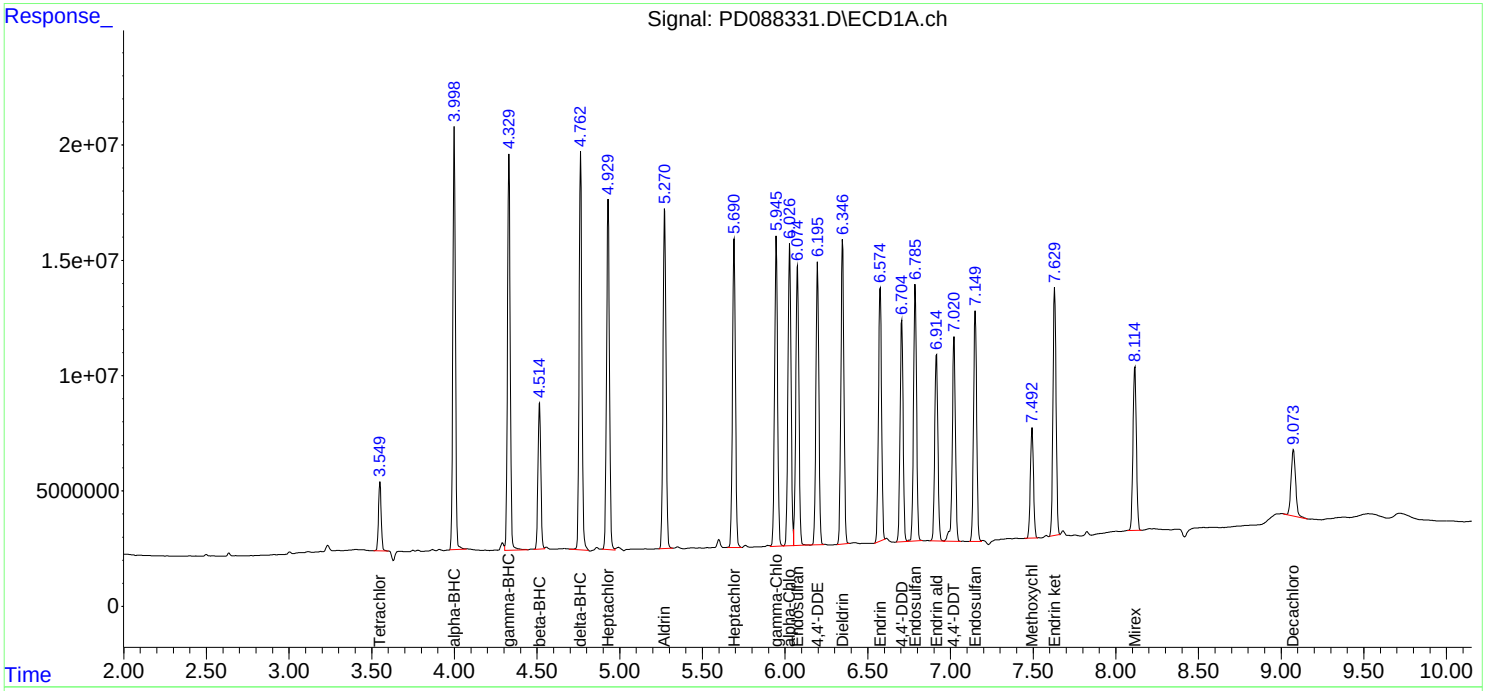
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

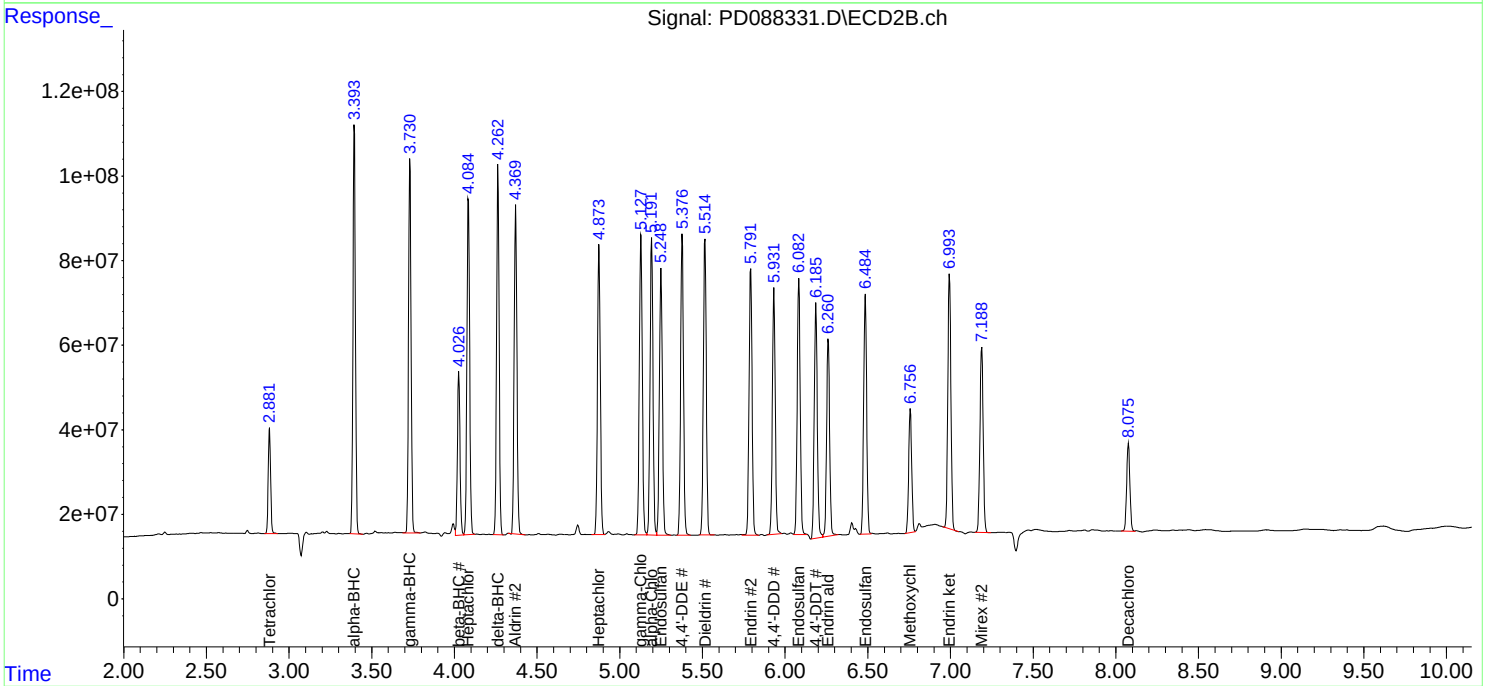
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 14:51
Operator : AR\AJ
Sample : Q1903-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-4MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:49:08 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: **PD088332.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-4MSD	SDG No.:	Q1903
Lab Sample ID:	Q1903-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088332.D	1	04/29/25 08:35	04/29/25 15:04	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	19.0		0.14	2.00	ug/kg
60-57-1	Dieldrin	19.1		0.17	2.00	ug/kg
72-55-9	4,4-DDE	18.5		0.17	2.00	ug/kg
72-54-8	4,4-DDD	19.4		0.18	2.00	ug/kg
50-29-3	4,4-DDT	16.8		0.17	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		20 - 144	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		19 - 148	88%	SPK: 20

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: **PD088332.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:04
Operator : AR\AJ
Sample : Q1903-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:49:19 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	2.882	33523434	256.2E6	16.784	17.521
28) SA	Decachlor...	9.074	8.076	54788152	281.0E6	16.562	15.205
	Target Compounds						
2) A	alpha-BHC	3.999	3.395	200.4E6	1009.5E6	46.477	44.159
3) MA	gamma-BHC...	4.330	3.731	196.0E6	935.2E6	46.808	43.420
4) MA	Heptachlor	4.930	4.085	187.4E6	916.8E6	46.405	42.844
5) MB	Aldrin	5.271	4.371	187.6E6	911.4E6	47.506	43.810
6) B	beta-BHC	4.515	4.027	75227755	416.0E6	46.340	44.948
7) B	delta-BHC	4.763	4.264	196.4E6	934.5E6	47.622	43.954
8) B	Heptachlo...	5.691	4.875	168.9E6	826.7E6	47.249	43.756
9) A	Endosulfan I	6.075	5.249	160.3E6	788.1E6	47.464	43.754
10) B	gamma-Chl...	5.946	5.128	169.3E6	888.5E6	46.739	43.775
11) B	alpha-Chl...	6.027	5.193	170.2E6	858.3E6	47.140	43.782
12) B	4,4'-DDE	6.196	5.378	152.9E6	860.0E6	46.361	43.670
13) MA	Dieldrin	6.347	5.515	170.9E6	869.8E6	47.892	43.636
14) MA	Endrin	6.575	5.792	141.1E6	805.0E6	47.305	44.227
15) B	Endosulfa...	6.786	6.081	143.4E6	753.5E6	45.873	43.004m
16) A	4,4'-DDD	6.705	5.932	121.8E6	705.5E6	48.434	43.052
17) MA	4,4'-DDT	7.022	6.186	115.5E6	717.1E6	41.590	42.144
18) B	Endrin al...	6.915	6.261	109.3E6	589.2E6	47.340	44.298
19) B	Endosulfa...	7.150	6.485	132.0E6	731.7E6	45.898	42.706
20) A	Methoxychlor	7.494	6.758	63975403	372.3E6	42.663	40.823
21) B	Endrin ke...	7.630	6.994	141.9E6	792.7E6	45.976	42.380
22)	Mirex	8.114	7.188	103.1E6	608.6E6	43.890	41.061

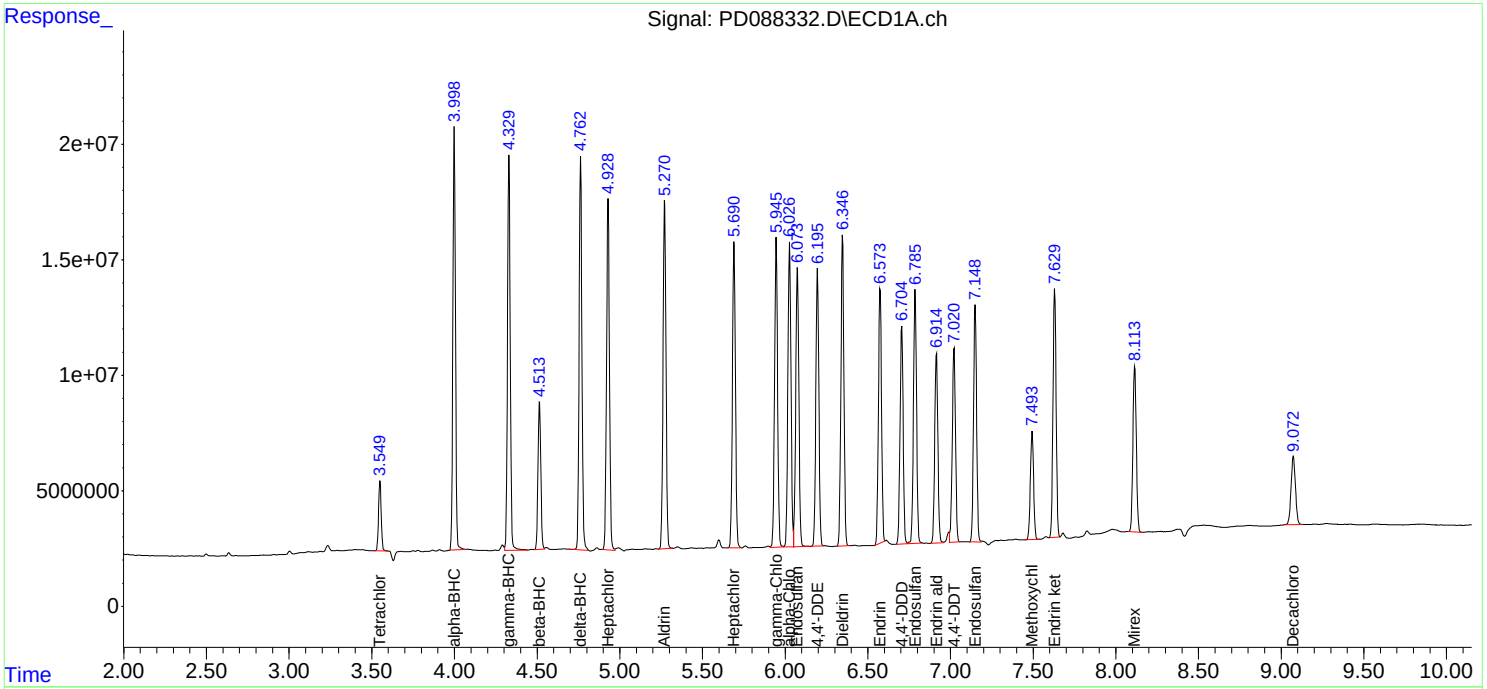
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

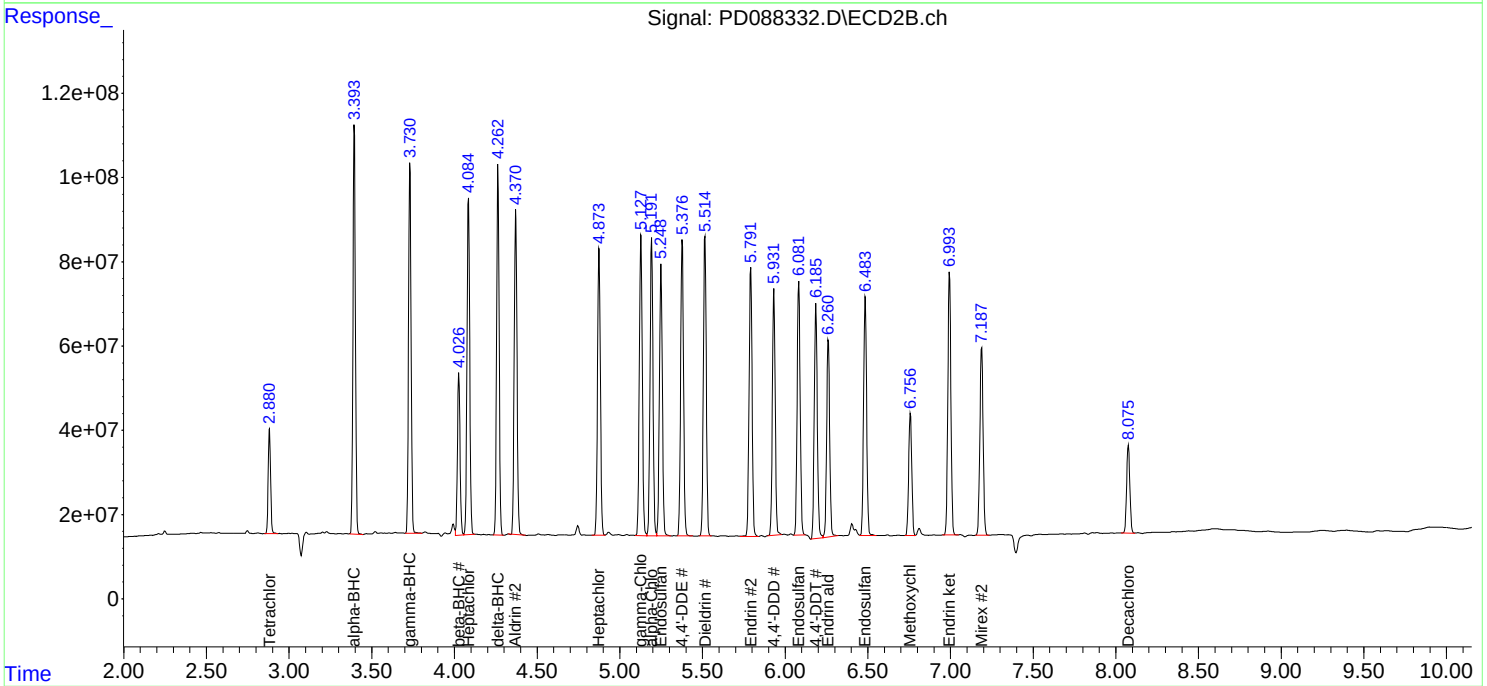
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042925\
Data File : PD088332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 15:04
Operator : AR\AJ
Sample : Q1903-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:49:19 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

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

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

Manual Integration Report

Sequence:	pd042925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088321.D	4,4"-DDE	Abdul	4/30/2025 8:55:36 AM			Peak Integrated by Software
PEM	PD088321.D	4,4"-DDE #2	Abdul	4/30/2025 8:55:36 AM			Peak Integrated by Software
PEM	PD088321.D	Endrin aldehyde #2	Abdul	4/30/2025 8:55:36 AM			Peak Integrated by Software
PEM	PD088321.D	Endrin ketone	Abdul	4/30/2025 8:55:36 AM			Peak Integrated by Software
PSTDCCC050	PD088322.D	4,4"-DDE #2	Abdul	4/30/2025 8:55:40 AM			Peak Integrated by Software
Q1903-01MS	PD088331.D	Endosulfan II #2	Abdul	4/30/2025 8:56:00 AM			Peak Integrated by Software
Q1903-01MSD	PD088332.D	Endosulfan II #2	Abdul	4/30/2025 8:56:04 AM			Peak Integrated by Software
PSTDCCC050	PD088334.D	4,4"-DDE #2	Abdul	4/30/2025 8:56:07 AM			Peak Integrated by Software
PSTDCCC050	PD088344.D	4,4"-DDE #2	Abdul	4/30/2025 8:56:35 AM			Peak Integrated by Software
PSTDCCC050	PD088344.D	gamma-Chlordane	Abdul	4/30/2025 8:56:35 AM			Peak Integrated by Software

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Fax : 908 789 8922

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

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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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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD042925

Review By	Abdul	Review On	5/1/2025 8:09:00 AM		
Supervise By		Supervise On			
SubDirectory	PD042925	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	PD088319.D	29 Apr 2025 09:24	AR\AJ	Ok
2	I.BLK	PD088320.D	29 Apr 2025 11:37	AR\AJ	Ok
3	PEM	PD088321.D	29 Apr 2025 11:50	AR\AJ	Ok,NS
4	PSTDCCC050	PD088322.D	29 Apr 2025 12:35	AR\AJ	Ok,NS
5	PB167777BL	PD088323.D	29 Apr 2025 12:52	AR\AJ	Ok
6	PB167777BS	PD088324.D	29 Apr 2025 13:05	AR\AJ	Ok
7	Q1902-02	PD088325.D	29 Apr 2025 13:26	AR\AJ	Dilution
8	Q1904-01	PD088326.D	29 Apr 2025 13:43	AR\AJ	Ok,NS
9	Q1900-01	PD088327.D	29 Apr 2025 13:56	AR\AJ	Ok,NS
10	Q1900-05	PD088328.D	29 Apr 2025 14:10	AR\AJ	Ok,NS
11	Q1900-09	PD088329.D	29 Apr 2025 14:24	AR\AJ	Ok,NS
12	Q1903-01	PD088330.D	29 Apr 2025 14:37	AR\AJ	Ok
13	Q1903-01MS	PD088331.D	29 Apr 2025 14:51	AR\AJ	Ok,NS
14	Q1903-01MSD	PD088332.D	29 Apr 2025 15:04	AR\AJ	Ok,NS
15	I.BLK	PD088333.D	29 Apr 2025 15:18	AR\AJ	Ok
16	PSTDCCC050	PD088334.D	29 Apr 2025 15:31	AR\AJ	Ok,NS
17	Q1903-02	PD088335.D	29 Apr 2025 15:45	AR\AJ	Ok
18	Q1903-03	PD088336.D	29 Apr 2025 15:58	AR\AJ	Ok
19	Q1905-01	PD088337.D	29 Apr 2025 16:12	AR\AJ	Ok,NS
20	Q1905-05	PD088338.D	29 Apr 2025 16:26	AR\AJ	Ok,NS
21	Q1906-01	PD088339.D	29 Apr 2025 16:39	AR\AJ	Ok,NS

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD042925

Review By	Abdul	Review On	5/1/2025 8:09:00 AM		
Supervise By		Supervise On			
SubDirectory	PD042925	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	Q1906-05	PD088340.D	29 Apr 2025 16:53	AR\AJ	Ok,NS
23	Q1906-09	PD088341.D	29 Apr 2025 17:07	AR\AJ	Ok,NS
24	Q1906-13	PD088342.D	29 Apr 2025 17:21	AR\AJ	Ok,NS
25	I.BLK	PD088343.D	29 Apr 2025 17:34	AR\AJ	Ok
26	PSTDCCC050	PD088344.D	29 Apr 2025 17:48	AR\AJ	Ok,NS

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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Fax : 908 789 8922

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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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD042925

Review By	Abdul	Review On	5/1/2025 8:09:00 AM		
Supervise By		Supervise On			
SubDirectory	PD042925	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	PD088319.D	29 Apr 2025 09:24		AR\AJ	Ok
2	I.BLK	I.BLK	PD088320.D	29 Apr 2025 11:37		AR\AJ	Ok
3	PEM	PEM	PD088321.D	29 Apr 2025 11:50		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PD088322.D	29 Apr 2025 12:35		AR\AJ	Ok,NS
5	PB167777BL	PB167777BL	PD088323.D	29 Apr 2025 12:52		AR\AJ	Ok
6	PB167777BS	PB167777BS	PD088324.D	29 Apr 2025 13:05		AR\AJ	Ok
7	Q1902-02	343	PD088325.D	29 Apr 2025 13:26	need dilution	AR\AJ	Dilution
8	Q1904-01	VNJ-210	PD088326.D	29 Apr 2025 13:43		AR\AJ	Ok,NS
9	Q1900-01	WC-1	PD088327.D	29 Apr 2025 13:56		AR\AJ	Ok,NS
10	Q1900-05	WC-2	PD088328.D	29 Apr 2025 14:10		AR\AJ	Ok,NS
11	Q1900-09	WC-3	PD088329.D	29 Apr 2025 14:24		AR\AJ	Ok,NS
12	Q1903-01	COMP-4	PD088330.D	29 Apr 2025 14:37		AR\AJ	Ok
13	Q1903-01MS	COMP-4MS	PD088331.D	29 Apr 2025 14:51		AR\AJ	Ok,NS
14	Q1903-01MSD	COMP-4MSD	PD088332.D	29 Apr 2025 15:04		AR\AJ	Ok,NS
15	I.BLK	I.BLK	PD088333.D	29 Apr 2025 15:18		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD088334.D	29 Apr 2025 15:31		AR\AJ	Ok,NS
17	Q1903-02	COMP-5	PD088335.D	29 Apr 2025 15:45		AR\AJ	Ok
18	Q1903-03	COMP-6	PD088336.D	29 Apr 2025 15:58		AR\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD042925

Review By	Abdul	Review On	5/1/2025 8:09:00 AM		
Supervise By		Supervise On			
SubDirectory	PD042925	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	Q1905-01	MH-G	PD088337.D	29 Apr 2025 16:12	DCB high in 1st column	AR\AJ	Ok,NS
20	Q1905-05	MH-H	PD088338.D	29 Apr 2025 16:26	DCB high in 1st column	AR\AJ	Ok,NS
21	Q1906-01	WC-4	PD088339.D	29 Apr 2025 16:39		AR\AJ	Ok,NS
22	Q1906-05	WC-5	PD088340.D	29 Apr 2025 16:53		AR\AJ	Ok,NS
23	Q1906-09	WC-6	PD088341.D	29 Apr 2025 17:07		AR\AJ	Ok,NS
24	Q1906-13	WC-7	PD088342.D	29 Apr 2025 17:21		AR\AJ	Ok,NS
25	I.BLK	I.BLK	PD088343.D	29 Apr 2025 17:34		AR\AJ	Ok
26	PSTDCCC050	PSTDCCC050	PD088344.D	29 Apr 2025 17:48		AR\AJ	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135575

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
Q1872-24	HW0425-PT-SOL-SOIL	8	0.92	10.30	11.22	8.82	76.7	
Q1901-01	B-170-SB00	1	1.14	5.55	6.69	6.28	92.6	
Q1901-02	B-167-SB01	2	1.14	10.22	11.36	9.58	82.6	
Q1901-03	B-170-SB01	3	1.19	10.31	11.5	9.75	83.0	
Q1901-04	B-167-SB02	4	1.15	9.78	10.93	6.35	53.2	
Q1901-05	B-170-SB02	5	1.14	10.16	11.3	8.77	75.1	
Q1902-01	343	6	1.19	10.23	11.42	10.7	93.0	
Q1902-02	343	7	1.13	10.19	11.32	10.33	90.3	
Q1903-01	COMP-4	9	1.18	11.14	12.32	10.46	83.3	
Q1903-02	COMP-5	10	1.16	10.50	11.66	9.44	78.9	
Q1903-03	COMP-6	11	1.17	10.60	11.77	10.06	83.9	
Q1904-01	VNJ-210	12	1.19	10.39	11.58	10.6	90.6	
Q1905-01	MH-G	13	1.15	10.35	11.5	10.38	89.2	
Q1905-02	MH-G-EPH	14	1.16	9.65	10.81	9.71	88.6	
Q1905-03	MH-G-VOC	15	1.16	10.33	11.49	10.36	89.1	
Q1905-05	MH-H	16	1.12	10.03	11.15	10.5	93.5	
Q1905-06	MH-H-EPH	17	1.13	10.30	11.43	10.5	91.0	
Q1905-07	MH-H-VOC	18	1.12	10.03	11.15	10.01	88.6	
Q1906-01	WC-4	19	1.15	9.85	11.00	10.14	91.3	
Q1906-02	WC-4-EPH	20	1.16	9.97	11.13	10.17	90.4	
Q1906-03	WC-4-VOC	21	1.18	9.99	11.17	9.91	87.4	
Q1906-05	WC-5	22	1.16	10.82	11.98	10.19	83.5	
Q1906-06	WC-5-EPH	23	1.13	10.41	11.54	9.94	84.6	
Q1906-07	WC-5-VOC	24	1.18	10.47	11.65	11.63	99.8	
Q1906-09	WC-6	25	1.14	10.04	11.18	10.4	92.2	
Q1906-10	WC-6-EPH	26	1.15	10.77	11.92	10.23	84.3	
Q1906-11	WC-6-VOC	27	1.14	10.47	11.61	10.86	92.8	
Q1906-13	WC-7	28	1.14	10.85	11.99	10.31	84.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135575

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
Q1906-14	WC-7-EPH	29	1.12	9.86	10.98	9.7	87.0	
Q1906-15	WC-7-VOC	30	1.13	10.27	11.4	10.23	88.6	
Q1907-01	CO-8R-WC	31	1.13	10.26	11.39	9.81	84.6	

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

WORKLIST(Hardcopy Internal Chain)

VB B5575

WorkList Name : %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-24	HW0425-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1903-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-02	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-03	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1901-01	B-170-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-02	B-167-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-03	B-170-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-04	B-167-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-05	B-170-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1902-01	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1902-02	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1904-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-13	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-14	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-15	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15

Raw Sample Received by: TO (4deg C)

Raw Sample Relinquished by:

Date/Time 04/28/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: TO (4deg C)

WORKLIST(Hardcopy Internal Chain)

WB 135575

WorkList Name : %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1906-09	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-10	WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-11	WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1907-01	CO-8R-WC	Solid	Percent Solids	Cool 4 deg C	WALS01	L51	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
Raw Sample Received by: JD WOC
Raw Sample Relinquished by:

Date/Time 04/28/25 17:30
Raw Sample Received by:
Raw Sample Relinquished by: JD WOC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167777

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	04/29/2025
Matrix :	Solid			**Extraction Start Time :**	08:35
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	04/29/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:35
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	EP2601
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Hexane	N/A	E3928
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
4/29/25	RS (Ext Lab)	R. Patel/PLB
11:40	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167777

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 04/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167777BL	PBLK777	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10			U7-1
PB167777BS	PLCS777	PESTICIDE Group1	30.01	N/A	ritesh	Evelyn	10			2
Q1900-01	WC-1	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		3
Q1900-05	WC-2	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q1900-09	WC-3	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5
Q1902-02	343	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		6
Q1903-01	COMP-4	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10	E		U1-1
Q1903-01MS	COMP-4MS	PESTICIDE Group1	30.01	N/A	ritesh	Evelyn	10	E		2
Q1903-01MSD	COMP-4MSD	PESTICIDE Group1	30.04	N/A	ritesh	Evelyn	10	E		3
Q1903-02	COMP-5	PESTICIDE Group1	30.06	N/A	ritesh	Evelyn	10	E		4
Q1903-03	COMP-6	PESTICIDE Group1	30.08	N/A	ritesh	Evelyn	10	E		5
Q1904-01	VNJ-210	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	H		6
Q1905-01	MH-G	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		U2-1
Q1905-05	MH-H	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		2
Q1906-01	WC-4	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		3
Q1906-05	WC-5	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		4
Q1906-09	WC-6	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	D		5
Q1906-13	WC-7	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		6

RS
4/29

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

16777 8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1900P **WorkList ID :** 189198 **Department :** Extraction **Date :** 04-29-2025 08:26:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1900-01	WC-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1900-05	WC-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1900-09	WC-3	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1902-02	343	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/28/2025	8081B
Q1903-01	COMP-4	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L51	04/25/2025	8081B
Q1903-02	COMP-5	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L51	04/25/2025	8081B
Q1903-03	COMP-6	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L51	04/25/2025	8081B
Q1904-01	VNJ-210	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/28/2025	8081B
Q1905-01	MH-G	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L51	04/28/2025	8081B
Q1905-05	MH-H	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L51	04/28/2025	8081B
Q1906-01	WC-4	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/28/2025	8081B
Q1906-05	WC-5	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/28/2025	8081B
Q1906-09	WC-6	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/28/2025	8081B
Q1906-13	WC-7	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/28/2025	8081B

Date/Time 04/29/25 8:27
Raw Sample Received by: RJ LEZL-(ab)
Raw Sample Relinquished by: [signature]

Date/Time 04/29/25 9:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ LEZL-(ab)

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Prep Standard - Chemical Standard Summary

Order ID : Q1903

Test : PESTICIDE Group1

Prepbatch ID : PB167777,

Sequence ID/Qc Batch ID: pd042925,

Standard ID :
EP2601,EP2607,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,E3847,E3876,E3877,E3914,E3916,E3917,E3928,P12603,P 12611,P13037,P13040,P13195,P13245,P13355,P13356,P13405,P13785,P13861,P9052,W3177,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2601	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel 04/07/2025

FROM 8000.00000ml of E3916 + 8000.00000ml of E3917 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2607	04/25/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/25/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	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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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3916

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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	10/22/2025	04/18/2025 / RUPESH	04/16/2025 / RUPESH	E3928

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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

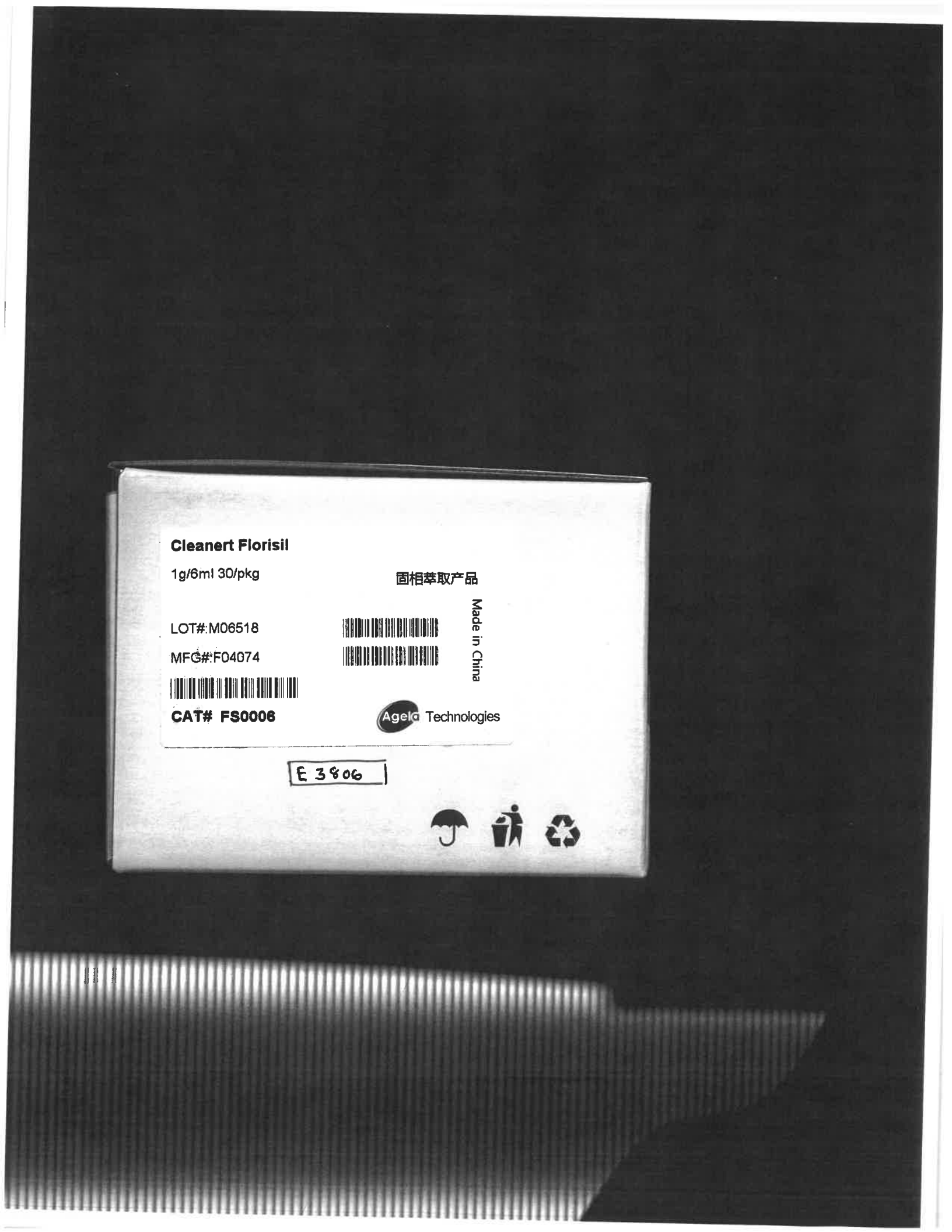
COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

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

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

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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.

Certificate of Analysis

ThermoFisher SCIENTIFIC

Certificate of Analysis

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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

Harout Sahagian - Quality Control Manager - Fair Lawn

Rec'd by RP on 3/31/25

E3916

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

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

E3928

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

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12614 V P12615 Five

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.)

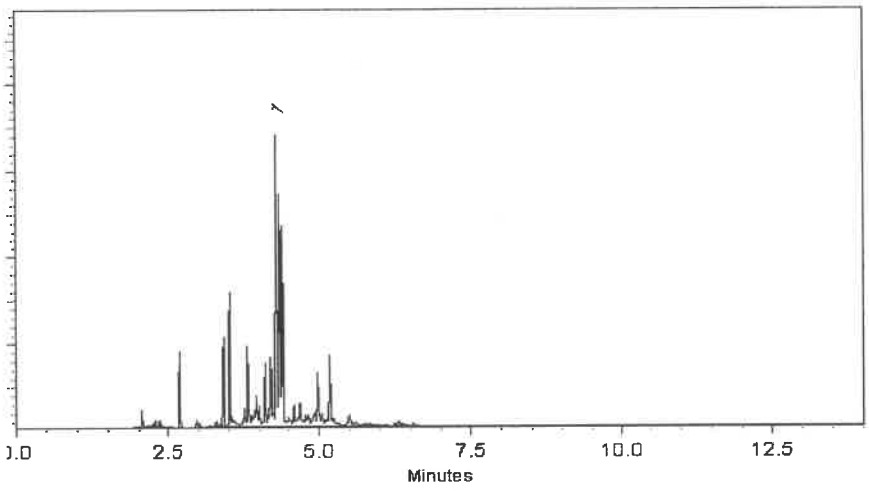
Inj. Temp:
250°C

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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Certificate of Analysis

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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.)

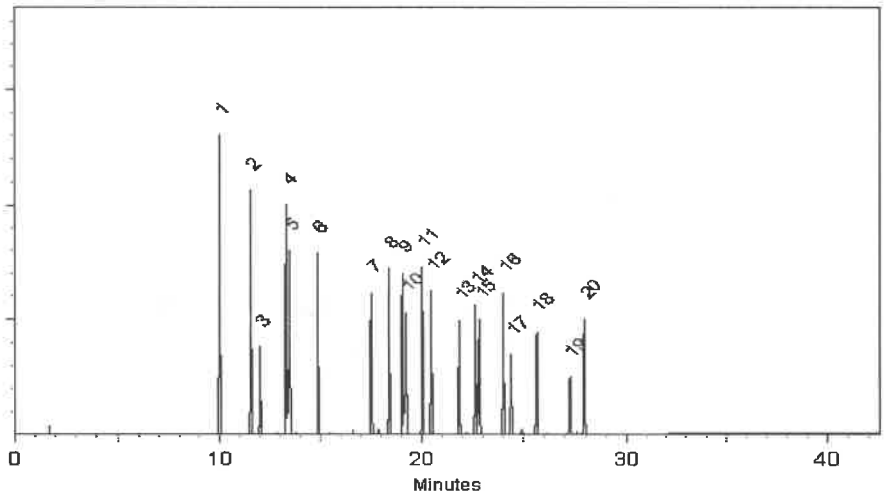
Inj. Temp:
200°C

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.
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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

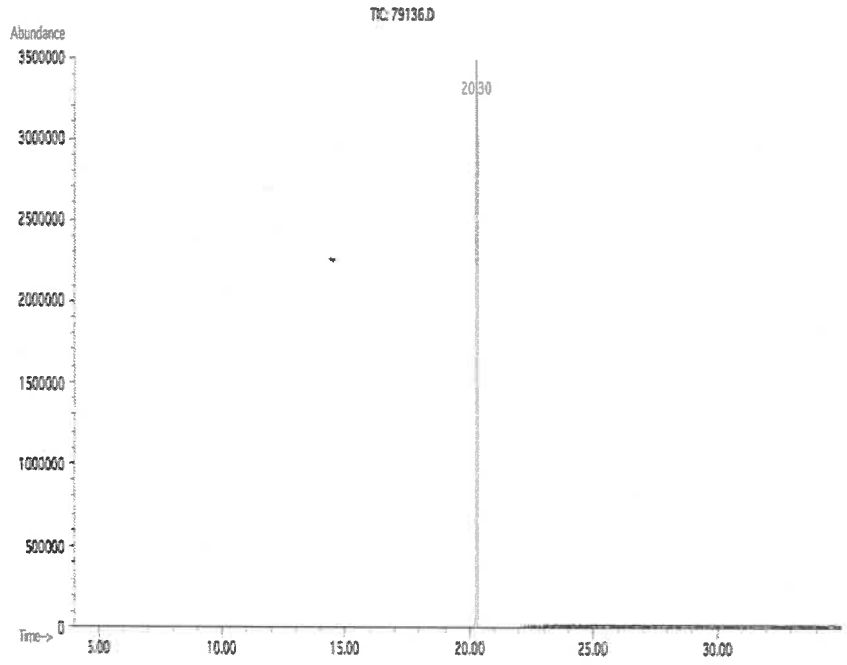
Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

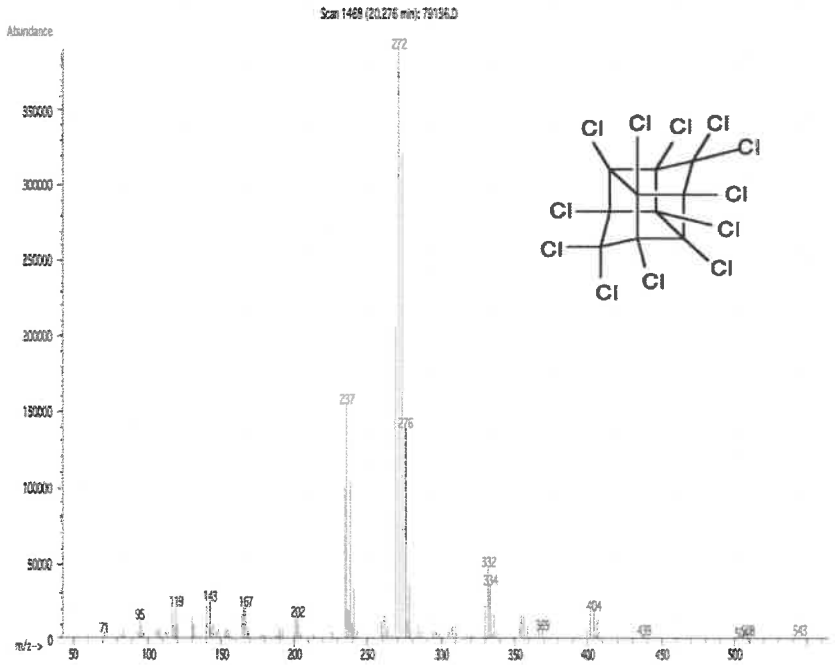
Prashant Chauhan 042022
Formulated By: Prashant Chauhan DATE

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)

[signature]

01/17/2024

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P12603 (3)
↓
P12605
7/3/2023

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

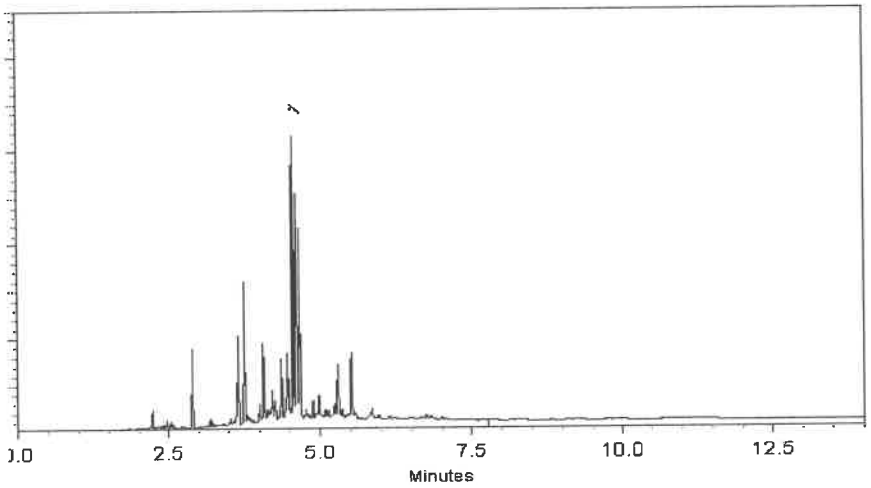
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P12603 & P12605 (3)

7/3/2023

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 13034 ↓ 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.)

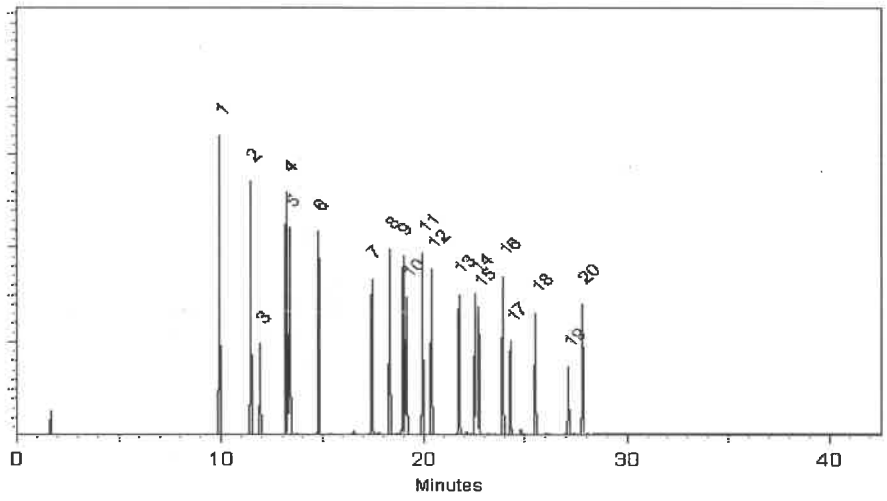
Inj. Temp:
200°C

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 Reference Material CRM

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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0 ± 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	orl-rat 500mg/kg
2.	Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	orl-rat 18mg/kg
3.	4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	orl-rat 880mg/kg
4.	Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	orl-rat 38300ug/kg
5.	Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	orl-rat 18mg/kg
6.	Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7.	4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 } (5)
thru
P13247

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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P13348 ↓ P13357 (10)

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.)

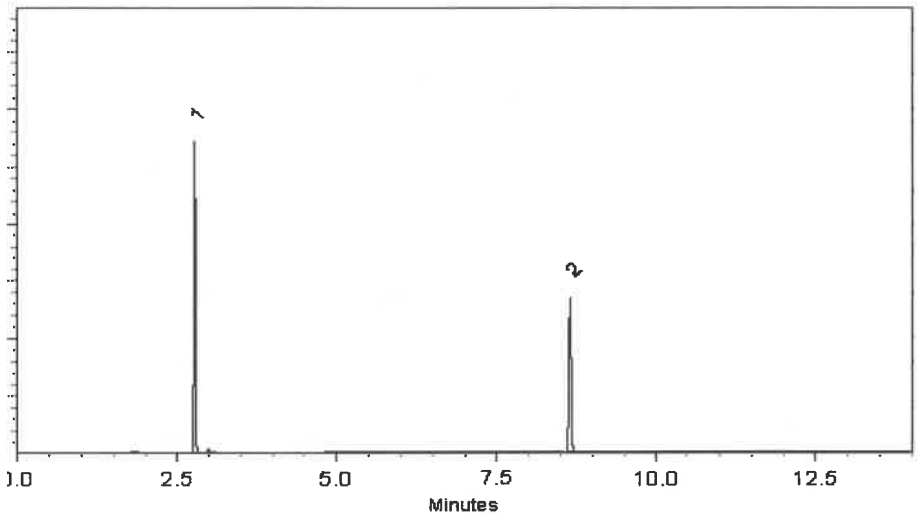
Inj. Temp:
250°C

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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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 ↓ P13357 (10)

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.)

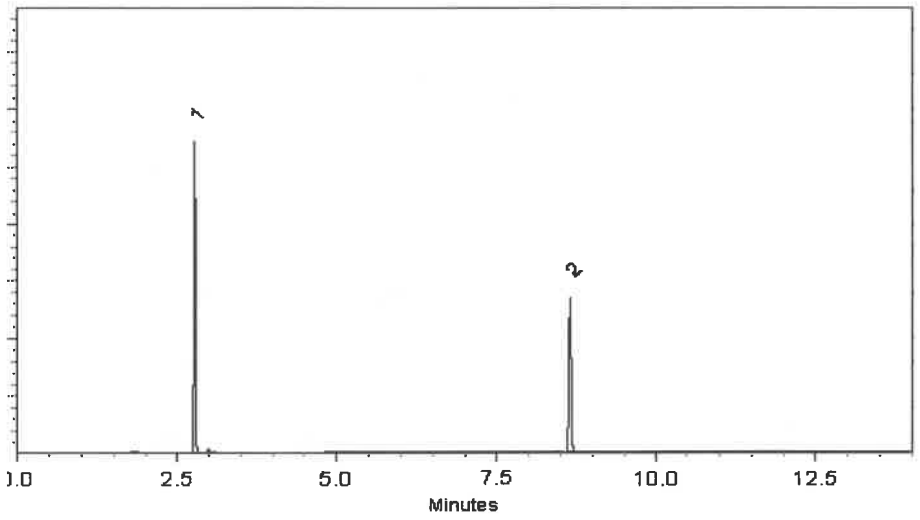
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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P13402 & P13406 (5)

5/22/2024

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

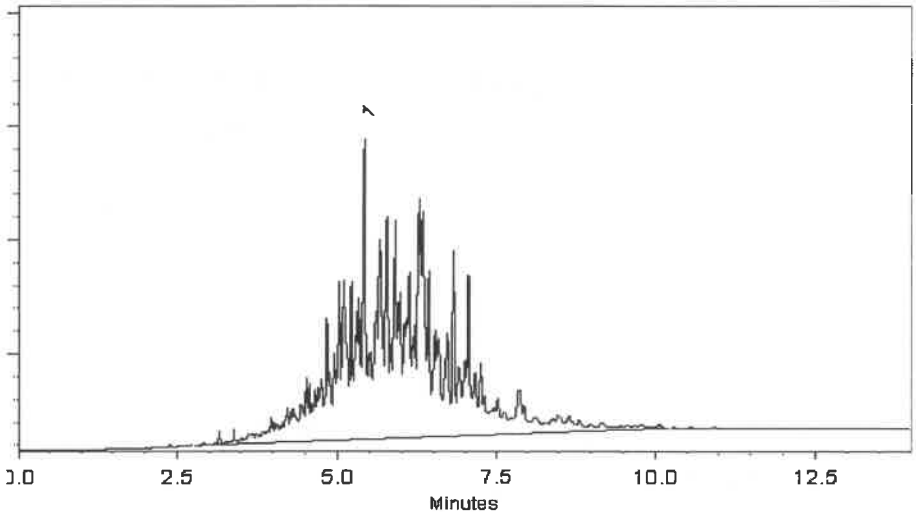
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13402
↓
P13406
5

5/22/2024

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

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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.)

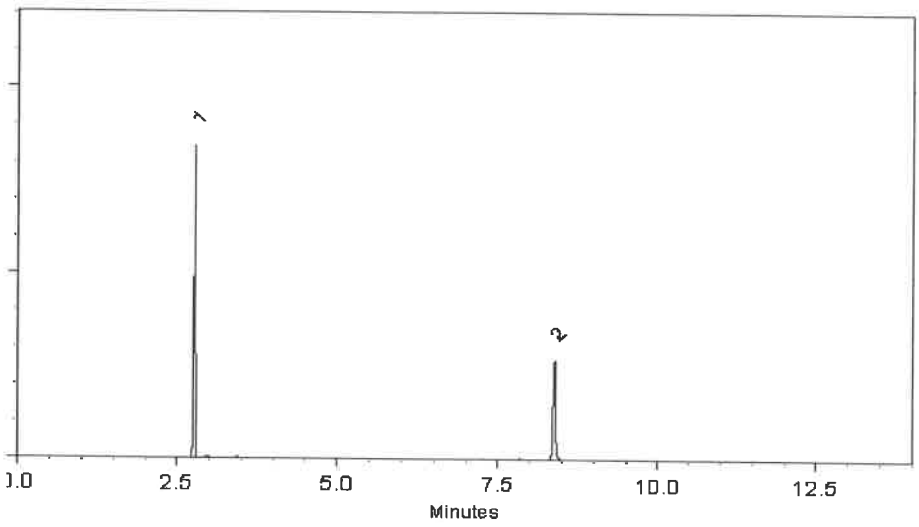
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862 (2)

12/9/2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

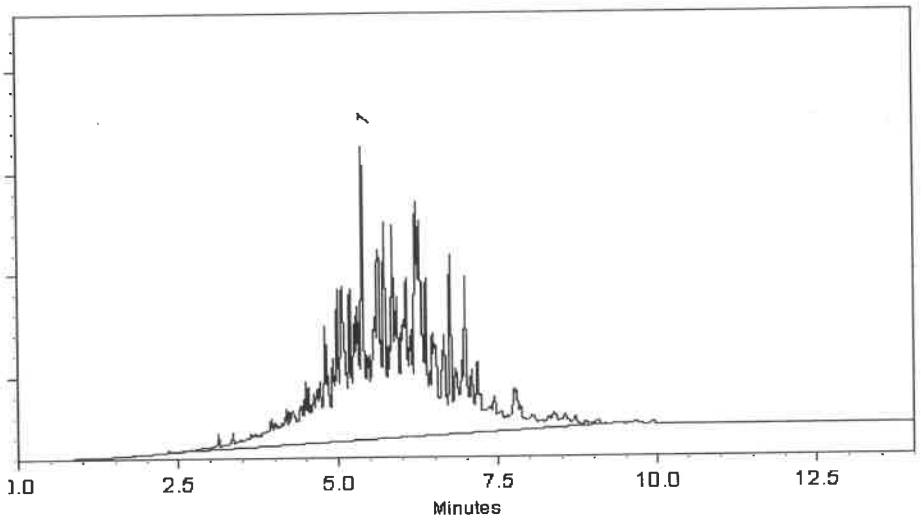
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024 **Balance Serial #** B442140311

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13861 } (2
P13862 }

12/9/2024

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50

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

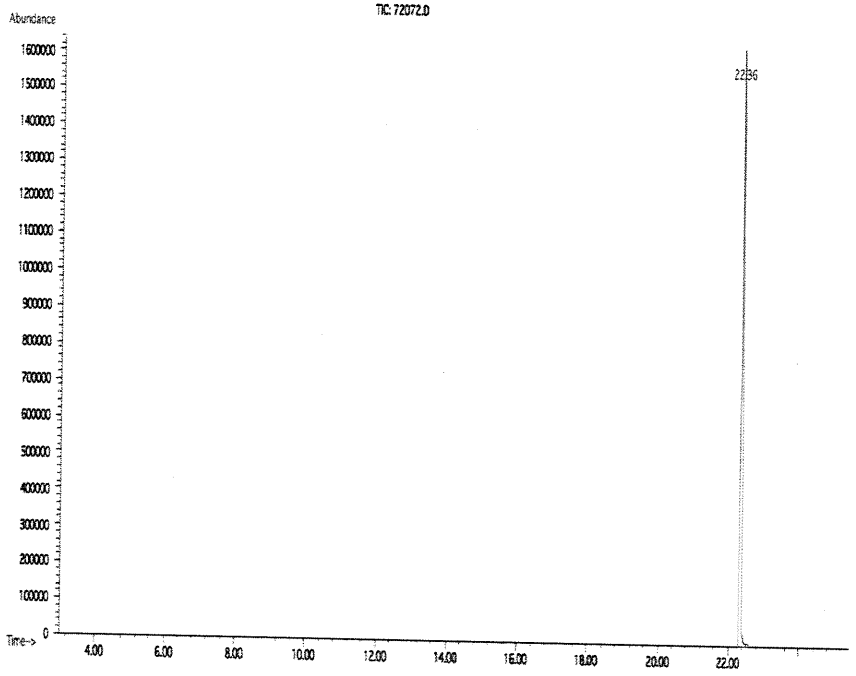
Received by SG on 11/1/19
P9044 - P9053

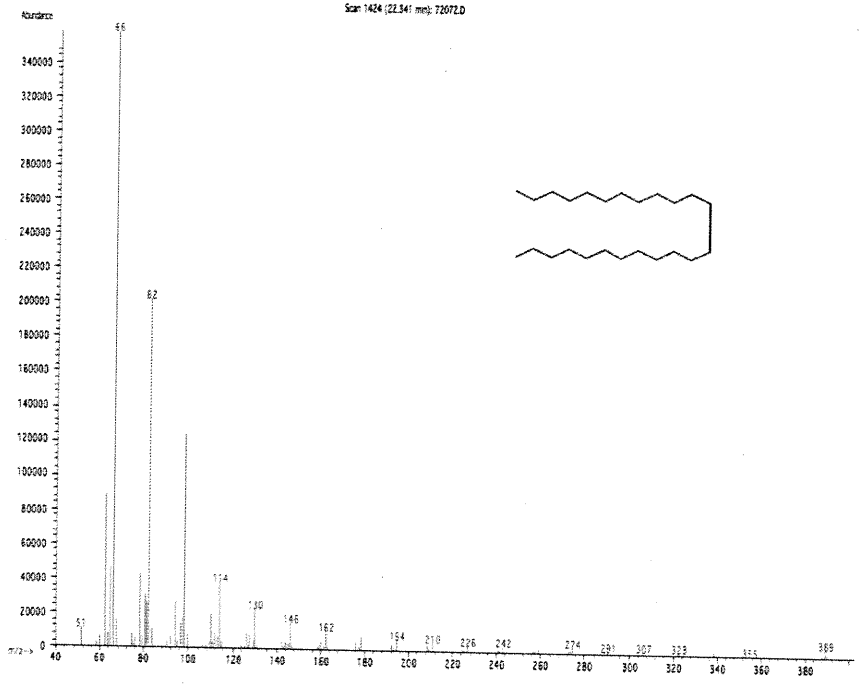
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

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.





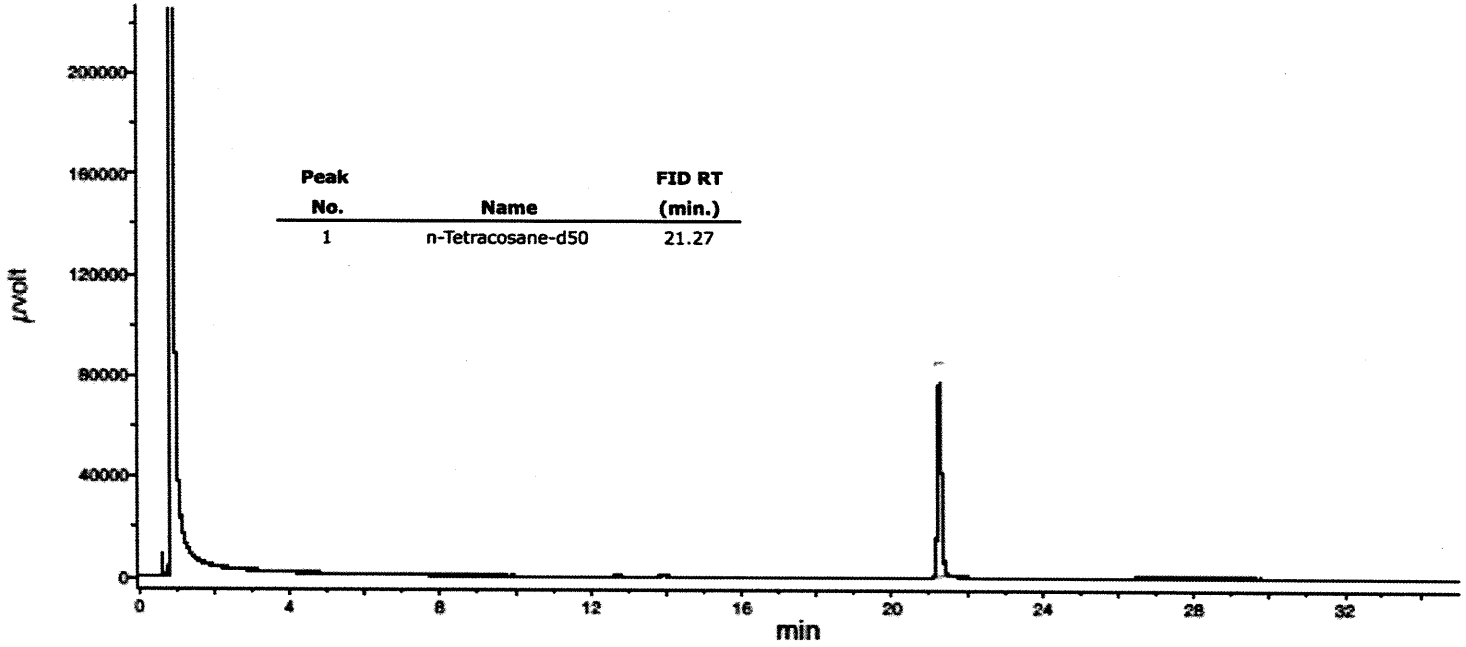
- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated 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) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q1903

COC Number:

CLIENT INFORMATION

COMPANY: Kleinfelder
ADDRESS: 180 Sheree Blvd Suite 3800
CITY: Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

PROJECT INFORMATION

PROJECT NAME: Mitchell School
PROJECT #: 20095164.001A LOCATION: Philadelphia
PROJECT MANAGER: Mark Warchol
E-MAIL: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

BILLING INFORMATION

BILL TO: Same PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: 5 DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☑ Other Level 2 (Results+QC)

ANALYSIS

1	2	3	4	5	6	7	8	9
PADEP Historic Clean Fill	Hold							

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E	E								<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	COMP-4	Soil	✓		4/25/25	9:25	4	✓									
2.	COMP-5	↓	↓		↓	10:05	↓	↓									
3.	COMP-6	↓	↓		↓	10:30	↓	↓									
4.	SB-13	↓		✓	↓	9:00	1		✓								
5.	SB-14	↓		↓	↓	9:05	↓		↓								
6.	SB-15	↓		↓	↓	9:15	↓		↓								
7.	SB-16	↓		↓	↓	9:20	↓		↓								
8.	SB-17	↓		↓	↓	9:35	↓		↓								
9.	SB-18	↓		↓	↓	9:45	↓		↓								
10.																	

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

	RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.		4/25/25 1245	1.
2.	RELINQUISHED BY	DATE/TIME 1050 4-28-25	RECEIVED BY 2.
3.	RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 13.7
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: melted ICE
Comments: Hold grab samples SB-13 through SB-18 "Adjust factor + 1"

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR 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 : Q1903 POWE02
Client Name : Kleinfelder
Client Contact : Mark Warchol
Invoice Name : Kleinfelder
Invoice Contact : Mark Warchol

Order Date : 4/28/2025 11:30:00 AM
Project Name : Mitchell School
Receive DateTime : 4/28/2025 10:56:00 AM
Purchase Order :

Project Mgr :
Report Type : Results+QC
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
Q1903-01	COMP-4	Solid	04/25/2025	09:25					
					VOCMS Group1		8260D		5 Bus. Days
Q1903-02	COMP-5	Solid	04/25/2025	10:05					
					VOCMS Group1		8260D		5 Bus. Days
Q1903-03	COMP-6	Solid	04/25/2025	10:30					
					VOCMS Group1		8260D		5 Bus. Days

Relinguished By : CP
Date / Time : 4/28/25 11:47

Received By : JC
Date / Time : 4/28/25 1147

Storage Area : VOA Refridgerator Room