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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ SOIL PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q1872

ATTENTION : Mohammad Ahmed

Laboratory Certification ID # 20012

Table Of Contents for Q1872

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q1872

Project ID : NJ Soil PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number	Client Sample Number
Q1872-01	HW0425-PT-AN-SOIL
Q1872-02	HW0425-PT-CORR-SOIL
Q1872-03	HW0425-PT-CN-SOIL
Q1872-04	HW0425-PT-CN-SOIL
Q1872-05	HW0425-PT-FP-SOIL
Q1872-06	HW0425-PT-CR6-SOIL
Q1872-07	HW0425-PT-NUT-SOIL
Q1872-08	HW0425-PT-NUT-SOIL
Q1872-09	HW0425-PT-OGR-SOIL
Q1872-10	HW0425-PT-MET-SOIL
Q1872-11	HW0425-PT-BNA-SOIL
Q1872-12	HW0425-PT-TRIAZINE-SOIL
Q1872-13	HW0425-PT-PAH-SOIL
Q1872-14	HW0425-PT-DIES-SOIL
Q1872-15	HW0425-PT-GAS-SOIL
Q1872-16	HW0425-PT-NJEPH-SOIL
Q1872-17	HW0425-PT-HERB-SOIL
Q1872-18	HW0425-PT-PCB-SOIL
Q1872-19	HW0425-PT-PCBO-SOIL
Q1872-20	HW0425-PT-PEST-SOIL
Q1872-21	HW0425-PT-CHLR-SOIL
Q1872-22	HW0425-PT-TXP-SOIL
Q1872-23	HW0425-PT-VOA-SOIL
Q1872-24	HW0425-PT-SOL-SOIL
Q1872-25	HW0425-PT-NO2-SOIL

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:28 am, Jul 23, 2025

Date: 6/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ Soil PT
Project # N/A
Order ID # Q1872
Test Name: PESTICIDE Group3

A. Number of Samples and Date of Receipt:
24 Solid samples were received on 04/24/2025.
1 Solid sample was received on 04/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, TKN, TOC, TS and VOCMS Group1. This data package contains results for PESTICIDE Group3.

C. Analytical Techniques:
The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of PESTICIDE Group3s was based on method 8081B and extraction was done based on method 3541.

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

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

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

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

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:29 am, Jul 23, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q1872 MATRIX: Solid

METHOD: 8081B/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples .			✓
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
9.	Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 8:54 am, Jul 23, 2025

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1872

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

QA Review Signature: SOHIL JODHANI **Date:** 06/26/2025

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LAB CHRONICLE

OrderID:	Q1872	**OrderDate:**	4/24/2025 1:26:50 PM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Soil PT
Contact:	Mohammad Ahmed	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1872-14	**HW0425-PT-DIES-SOIL**	**SOIL**			**04/25/25**			**04/28/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
Q1872-15	**HW0425-PT-GAS-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			Gasoline Range Organics	8015D			04/29/25	
Q1872-16	**HW0425-PT-NJEPH-SOIL**	**Solid**			**04/21/25**			**04/24/25**
			EPH	NJEPH		05/07/25	05/08/25	
Q1872-17	**HW0425-PT-HERB-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			Herbicide Group1	8151A		05/30/25	06/04/25	
Q1872-17DL	**HW0425-PT-HERB-SOILDL**	**SOIL**			**04/21/25**			**04/24/25**
			Herbicide Group1	8151A		05/30/25	06/04/25	
Q1872-18	**HW0425-PT-PCB-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			PCB	8082A		05/23/25	05/24/25	
Q1872-18DL	**HW0425-PT-PCB-SOILDL**	**SOIL**			**04/21/25**			**04/24/25**
			PCB	8082A		05/23/25	05/24/25	
Q1872-19	**HW0425-PT-PCBO-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			PCB	8082A		05/28/25	05/28/25	
Q1872-20	**HW0425-PT-PEST-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			PESTICIDE Group1	8081B		05/23/25	05/27/25	

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LAB CHRONICLE

Q1872-20DL	**HW0425-PT-PEST-SOIL LDL**	**SOIL**			**04/21/25**			**04/24/25**
			PESTICIDE Group1	8081B		05/23/25	05/27/25	
Q1872-21	**HW0425-PT-CHLR-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			PESTICIDE Group2	8081B		05/23/25	05/27/25	
Q1872-22	**HW0425-PT-TXP-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			PESTICIDE Group3	8081B		05/23/25	05/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1872 **Order ID:** Q1872

Client: Alliance Technical Group, LLC - Newark **Project ID:** NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : HW0425-PT-TXP-SOIL								
Q1872-22	HW0425-PT-TXP-SO	SOIL	Toxaphene	112		5.40	32.9	ug/kg
			Total Concentration:	**112.000**				

QC SUMMARY

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

SDG No.: Q1872

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PD088583.D	PIBLK-PD088583.D	Decachlorobiphenyl	1	20	18.4	92		57	171
		Tetrachloro-m-xylene	1	20	16.5	83		61	148
		Decachlorobiphenyl	2	20	18.0	90		57	171
		Tetrachloro-m-xylene	2	20	16.9	84		61	148
I.BLK-PD088769.D	PIBLK-PD088769.D	Decachlorobiphenyl	1	20	21.7	108		57	171
		Tetrachloro-m-xylene	1	20	21.5	108		61	148
		Decachlorobiphenyl	2	20	21.0	105		57	171
		Tetrachloro-m-xylene	2	20	22.2	111		61	148
PB168153BL	PB168153BL	Decachlorobiphenyl	1	20	20.3	102		20	144
		Tetrachloro-m-xylene	1	20	18.9	94		19	148
		Decachlorobiphenyl	2	20	19.4	97		20	144
		Tetrachloro-m-xylene	2	20	19.6	98		19	148
PB168153BS	PB168153BS	Decachlorobiphenyl	1	20	22.2	111		20	144
		Tetrachloro-m-xylene	1	20	22.5	113		19	148
		Decachlorobiphenyl	2	20	21.8	109		20	144
		Tetrachloro-m-xylene	2	20	22.1	111		19	148
Q1872-22	HW0425-PT-TXP-SOIL	Decachlorobiphenyl	1	20	20.7	103		20	144
		Tetrachloro-m-xylene	1	20	21.3	106		19	148
		Decachlorobiphenyl	2	20	20.2	101		20	144
		Tetrachloro-m-xylene	2	20	19.1	96		19	148
I.BLK-PD088776.D	PIBLK-PD088776.D	Decachlorobiphenyl	1	20	22.0	110		57	171
		Tetrachloro-m-xylene	1	20	21.9	109		61	148
		Decachlorobiphenyl	2	20	21.4	107		57	171
		Tetrachloro-m-xylene	2	20	22.8	114		61	148

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1872 **Analytical Method:** 8081B

Client: Alliance Technical Group, LLC - Newark **Datafile :** PD088774.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168153BS (Column 1)	Toxaphene	66.62	71.6	ug/kg	107				80	120	
PB168153BS (Column 2)	Toxaphene	66.62	68.3	ug/kg	103				80	120	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168153BL

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168153BL Lab File ID: PD088773.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 05/23/2025

Date Analyzed (1): 05/29/2025 Date Analyzed (2): 05/29/2025

Time Analyzed (1): 13:49 Time Analyzed (2): 13:49

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
PB168153BS	PB168153BS	PD088774.D	05/29/2025	05/29/2025
HW0425-PT-TXP-SOIL	Q1872-22	PD088775.D	05/29/2025	05/29/2025

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-TXP-SOIL	SDG No.:	Q1872
Lab Sample ID:	Q1872-22	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group3
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088775.D	1	05/23/25 09:20	05/29/25 15:01	PB168153

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
8001-35-2	Toxaphene	112		5.40	32.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.7		20 - 144	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		19 - 148	106%	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\PD053025\
Data File : PD088775.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 15:01
Operator : AR\AJ
Sample : Q1872-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
HW0425-PT-TXP-SOIL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:55:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 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	2.880	47852333	301.5E6	21.268m	19.126
7)	SA Decachlor...	9.078	8.074	72744621	380.2E6	20.657	20.198
	Target Compounds						
2)	Toxaphene-1	6.251	5.474	12987142	79340581	470.151	553.428m
3)	Toxaphene-2	6.446	5.645	18961121	62206679	487.861m	624.499m#
4)	Toxaphene-3	7.150	6.744	22002359	142.4E6	297.291	315.432
5)	Toxaphene-4	7.568	7.198	14358329	53603602	152.372	166.500
6)	Toxaphene-5	7.933	7.334	6614537	5255560	122.531	24.546 #

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

Quantitation Report (QT Reviewed)

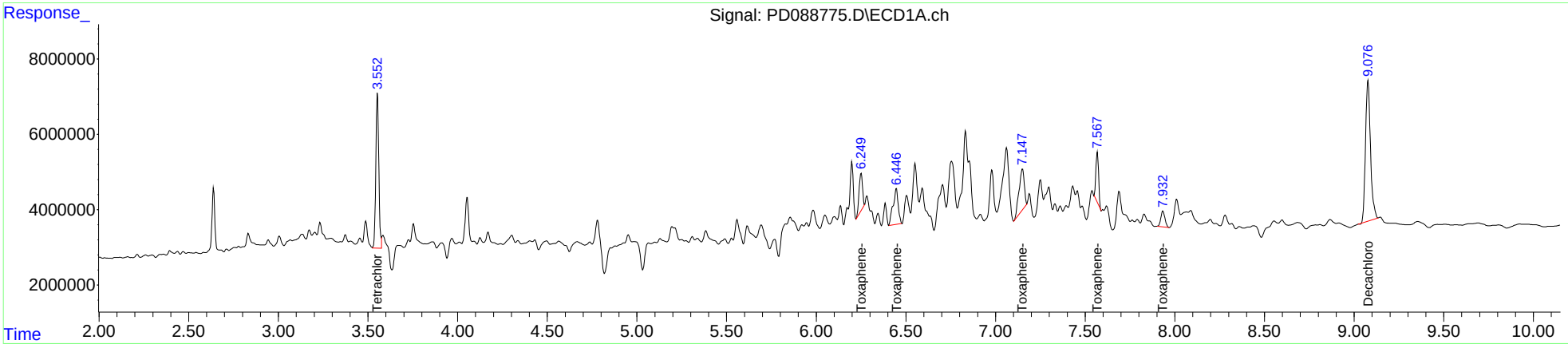
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088775.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 15:01
Operator : AR\AJ
Sample : Q1872-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

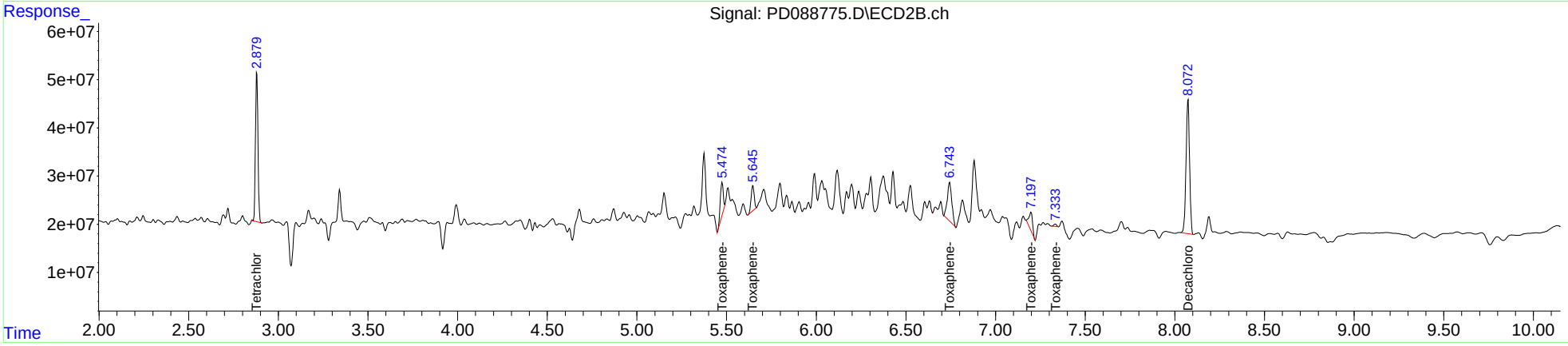
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:55:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 2025
Response via : Initial Calibration
Integrator: ChemStation

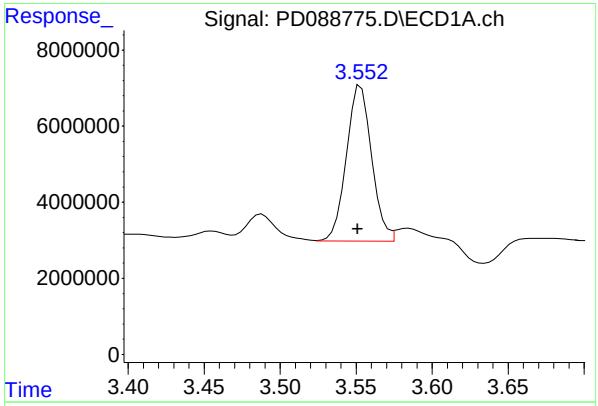
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

Instrument :
ECD_D
ClientSampleId :
HW0425-PT-TXP-SOIL

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025







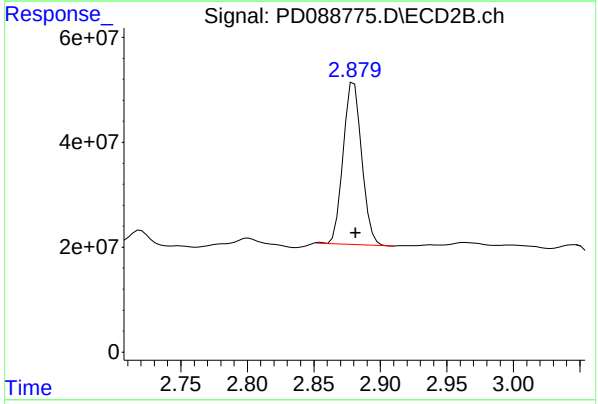
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 mi
Response: 47852333
Conc: 21.27 ng/m

Instrument :
ECD_D
ClientSampleId :
HW0425-PT-TXP-SOIL

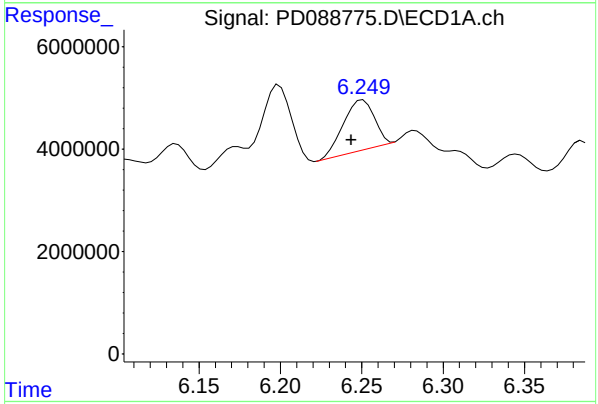
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



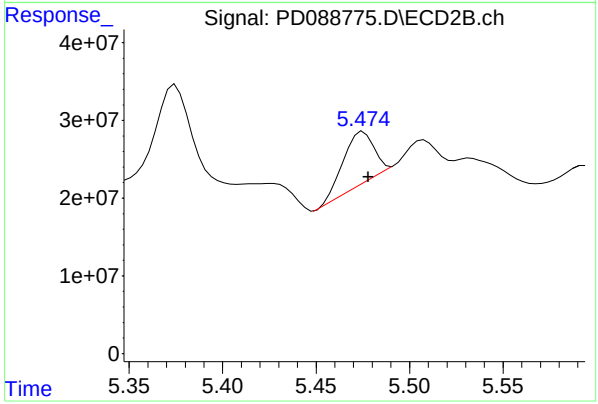
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 301471008
Conc: 19.13 ng/ml



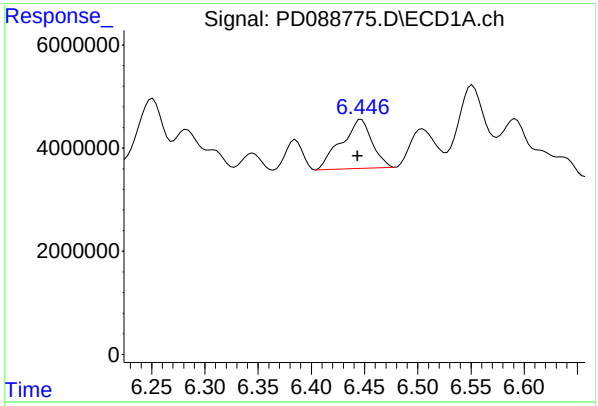
#2 Toxaphene-1

R.T.: 6.251 min
Delta R.T.: 0.007 min
Response: 12987142
Conc: 470.15 ng/ml



#2 Toxaphene-1

R.T.: 5.474 min
Delta R.T.: -0.004 min
Response: 79340581
Conc: 553.43 ng/ml m



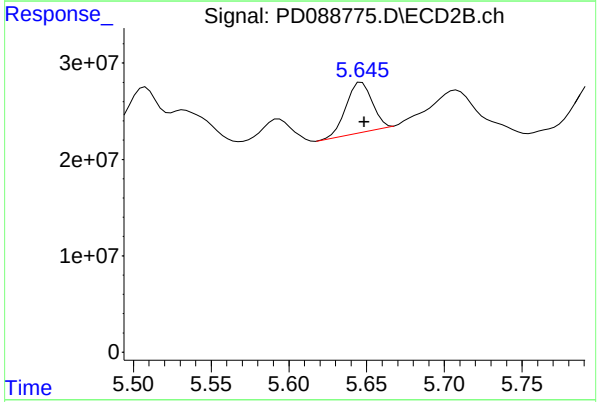
#3 Toxaphene-2

R.T.: 6.446 min
Delta R.T.: 0.002 min
Response: 18961121
Conc: 487.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
HW0425-PT-TXP-SOIL

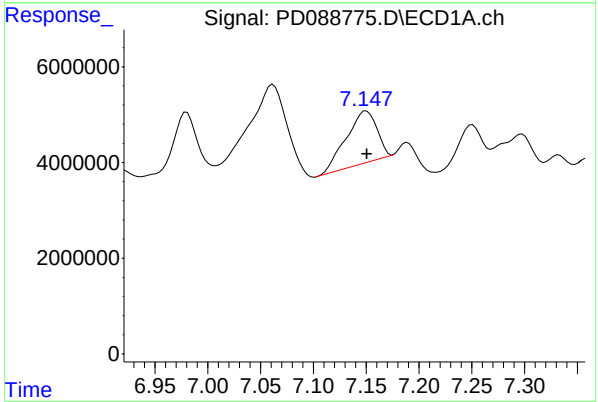
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



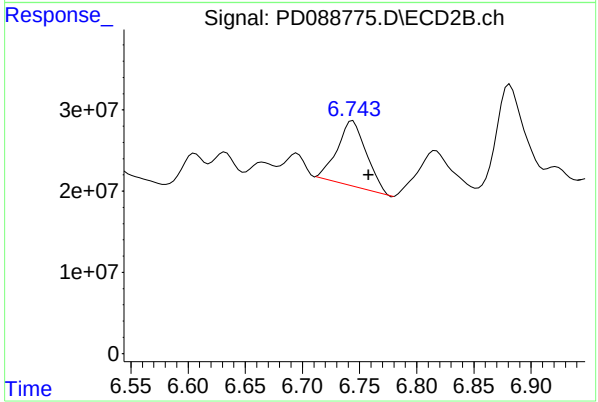
#3 Toxaphene-2

R.T.: 5.645 min
Delta R.T.: -0.003 min
Response: 62206679
Conc: 624.50 ng/ml m



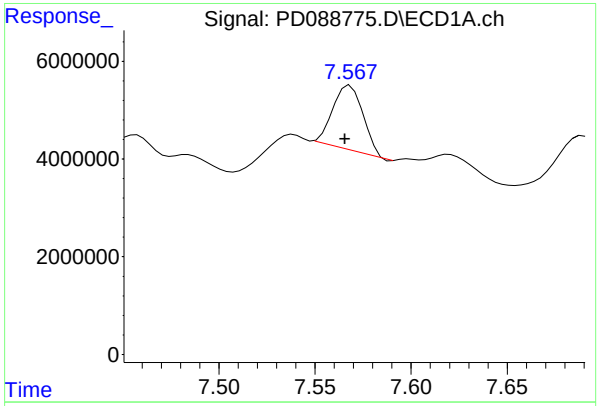
#4 Toxaphene-3

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 22002359
Conc: 297.29 ng/ml



#4 Toxaphene-3

R.T.: 6.744 min
Delta R.T.: -0.014 min
Response: 142401888
Conc: 315.43 ng/ml



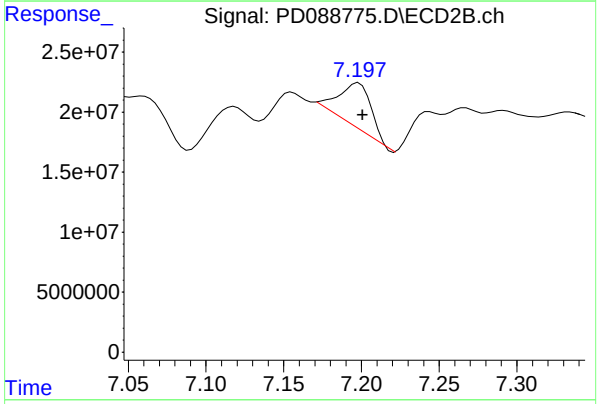
#5 Toxaphene-4

R.T.: 7.568 min
Delta R.T.: 0.003 min
Response: 14358329
Conc: 152.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
HW0425-PT-TXP-SOIL

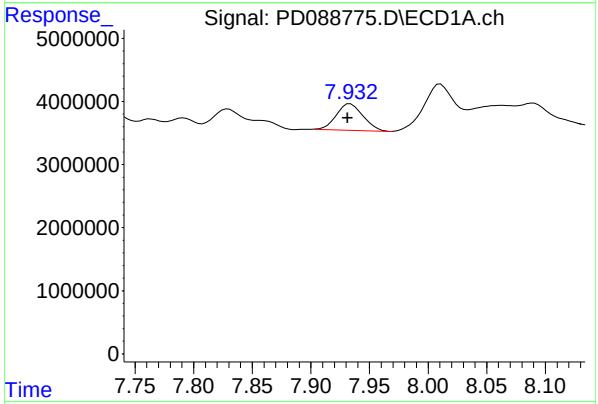
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



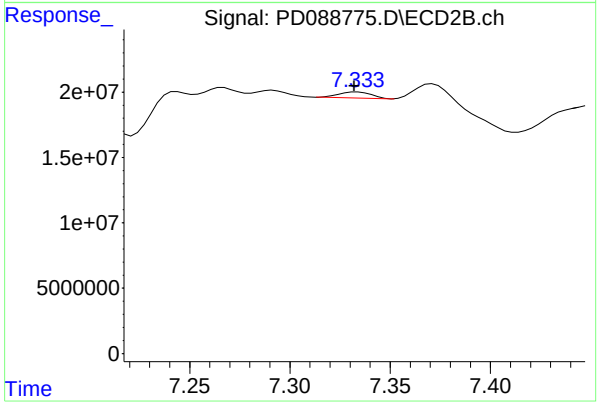
#5 Toxaphene-4

R.T.: 7.198 min
Delta R.T.: -0.003 min
Response: 53603602
Conc: 166.50 ng/ml



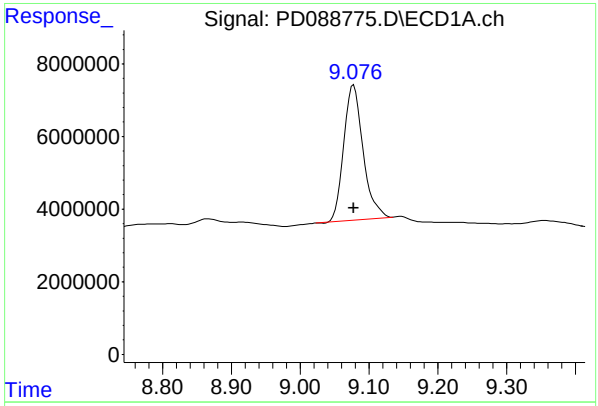
#6 Toxaphene-5

R.T.: 7.933 min
Delta R.T.: 0.002 min
Response: 6614537
Conc: 122.53 ng/ml



#6 Toxaphene-5

R.T.: 7.334 min
Delta R.T.: 0.002 min
Response: 5255560
Conc: 24.55 ng/ml



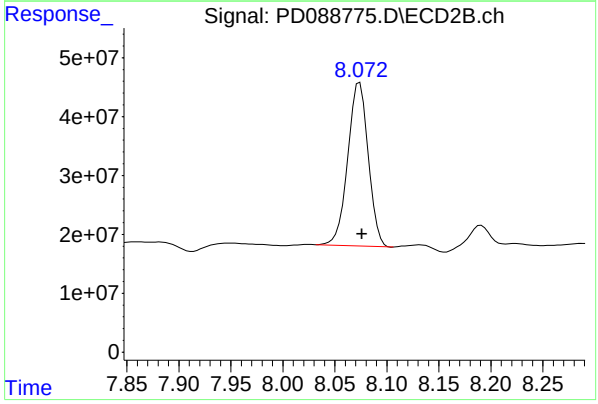
#7 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.000 mi
Response: 72744621
Conc: 20.66 ng/m

Instrument :
ECD_D
ClientSampleId :
HW0425-PT-TXP-SOIL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



#7 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 380227499
Conc: 20.20 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_D **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 13:47 14:41

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

LAB FILE ID: RT 1000 = PD088596.D RT 750 = PD088597.D

RT 500 = PD088598.D RT 250 = PD088599.D RT 100 = PD088600.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 100	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl		9.08	9.08	9.08	9.08	9.08	9.08	8.98	9.18
Tetrachloro-m-xylene		3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65
Toxaphene-1	(1)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Toxaphene-2	(2)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Toxaphene-3	(3)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Toxaphene-4	(4)	7.57	7.57	7.57	7.57	7.57	7.57	7.47	7.67
Toxaphene-5	(5)	7.93	7.93	7.93	7.93	7.93	7.93	7.83	8.03

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_D **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 13:47 14:41

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

LAB FILE ID: RT 1000 = PD088596.D RT 750 = PD088597.D

RT 500 = PD088598.D RT 250 = PD088599.D RT 100 = PD088600.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 100	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl		8.08	8.08	8.08	8.08	8.08	8.08	7.98	8.18
Tetrachloro-m-xylene		2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98
Toxaphene-1	(1)	5.48	5.48	5.48	5.48	5.48	5.48	5.38	5.58
Toxaphene-2	(2)	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Toxaphene-3	(3)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Toxaphene-4	(4)	7.20	7.20	7.20	7.20	7.20	7.20	7.10	7.30
Toxaphene-5	(5)	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_D **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 13:47 14:41

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

LAB FILE ID: **CF 1000 =** PD088596.D **CF 750 =** PD088597.D

CF 500 = PD088598.D **CF 250 =** PD088599.D **CF 100 =** PD088600.D

COMPOUND	CF 1000	CF 750	CF 500	CF 250	CF 100	CF	% RSD
Decachlorobiphenyl	331164000	324711000	335122000	364518000	405273000	352157000	9
Tetrachloro-m-xylene	226304000	215444000	215968000	225702000	241580000	225000000	5
Toxaphene-1 (1)	27539100	26104400	26389700	27746300	30337200	27623300	6
Toxaphene-2 (2)	38175600	37110300	38119600	38971500	41952200	38865800	5
Toxaphene-3 (3)	74658800	71875900	72288300	75419100	75805500	74009500	2
Toxaphene-4 (4)	96380900	93081900	91412700	95232900	95050600	94231800	2
Toxaphene-5 (5)	54472100	52651300	52259600	54549900	55979300	53982400	3

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Instrument ID: ECD_D **Calibration Date(s):** 05/19/2025 05/19/2025

Calibration Times: 13:47 14:41

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

LAB FILE ID: **CF 1000 =** PD088596.D **CF 750 =** PD088597.D

CF 500 = PD088598.D **CF 250 =** PD088599.D **CF 100 =** PD088600.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 100	CF	% RSD
Decachlorobiphenyl		1749690000	1716050000	1780840000	1958020000	2208080000	1882540000	11
Tetrachloro-m-xylene		1497080000	1457260000	1502010000	1631900000	1793140000	1576280000	9
Toxaphene-1	(1)	133034000	131730000	139231000	153952000	158863000	143362000	9
Toxaphene-2	(2)	92222000	90723600	94078800	108729000	112299000	99610500	10
Toxaphene-3	(3)	443976000	427824000	437083000	470888000	477479000	451450000	5
Toxaphene-4	(4)	304880000	300851000	311285000	339056000	353647000	321944000	7
Toxaphene-5	(5)	224677000	215634000	216975000	222379000	190908000	214115000	6

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:47
Operator : AR\AJ
Sample : PTOXICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:26:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:24:19 2025
Response via : Initial 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	2.882	226.3E6	1497.1E6	102.337	99.836
7) SA	Decachlor...	9.077	8.076	331.2E6	1749.7E6	99.406	99.118
	Target Compounds						
2)	Toxaphene-1	6.244	5.478	27539074	133.0E6	1021.313	977.240
3)	Toxaphene-2	6.443	5.649	38175593	92222033	1000.734	990.033
4)	Toxaphene-3	7.150	6.759	74658776	444.0E6	1016.132	1007.823
5)	Toxaphene-4	7.566	7.201	96380948	304.9E6	1026.456	989.605
6)	Toxaphene-5	7.931	7.332	54472082	224.7E6	1020.730	1017.438

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

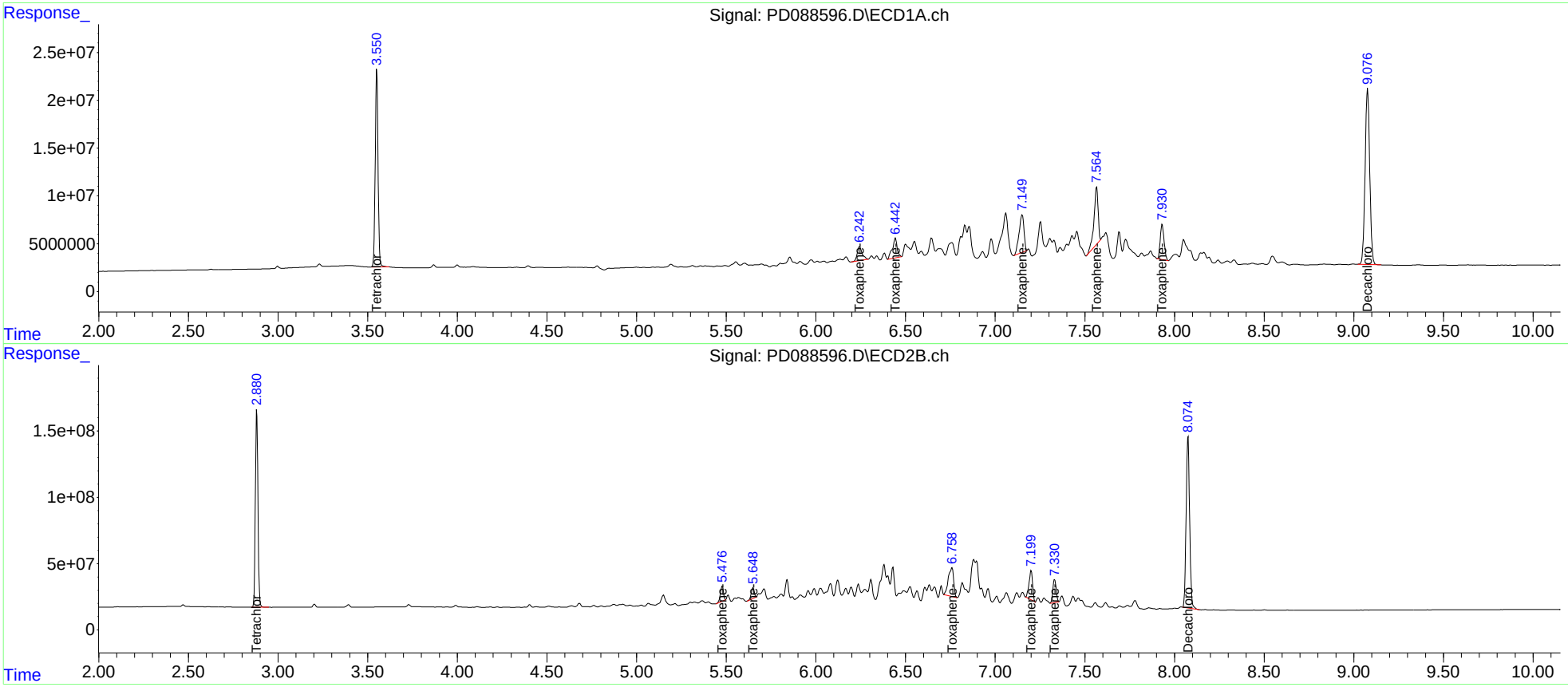
Quantitation Report (QT Reviewed)

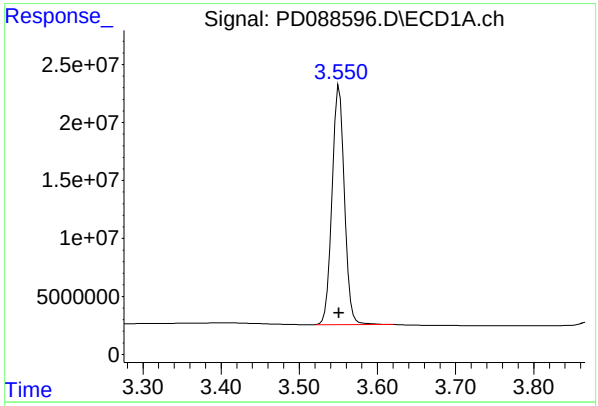
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:47
Operator : AR\AJ
Sample : PTOXICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : ECD_D
ClientSampleId : PTOXICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:26:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:24:19 2025
Response via : Initial 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

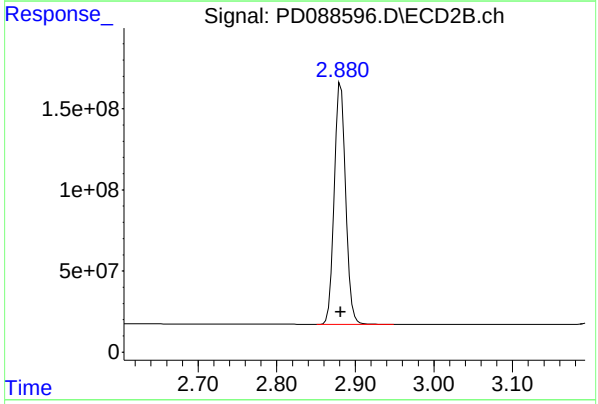




#1 Tetrachloro-m-xylene

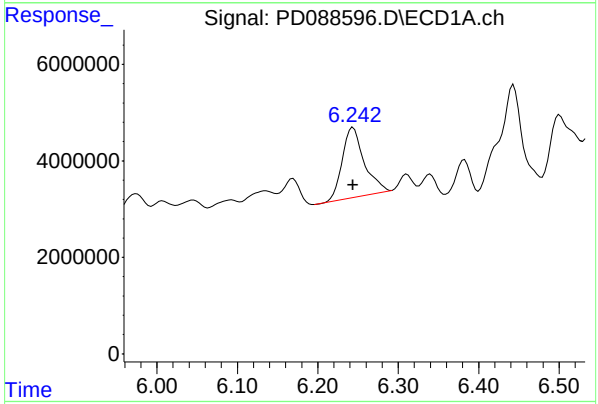
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 226304468
Conc: 102.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC1000



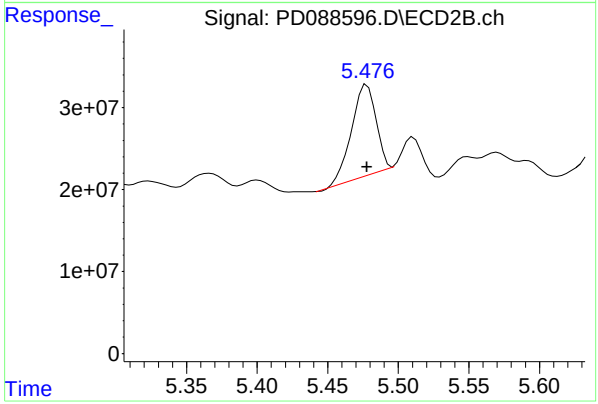
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 1497079810
Conc: 99.84 ng/ml



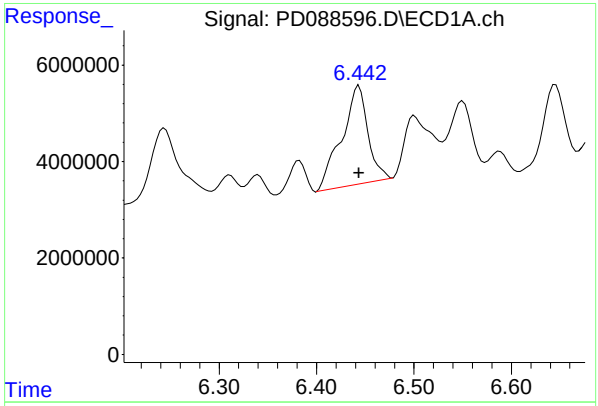
#2 Toxaphene-1

R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 27539074
Conc: 1021.31 ng/ml



#2 Toxaphene-1

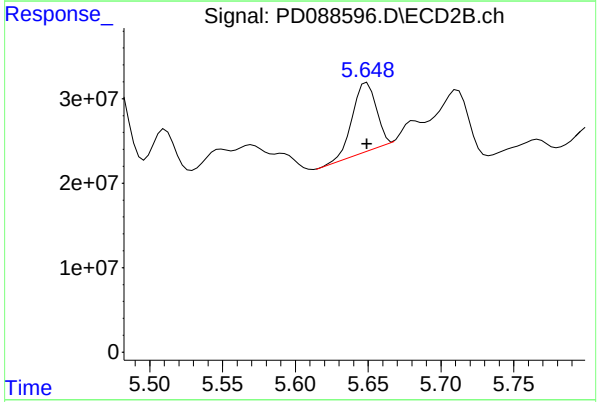
R.T.: 5.478 min
Delta R.T.: 0.000 min
Response: 133034231
Conc: 977.24 ng/ml



#3 Toxaphene-2

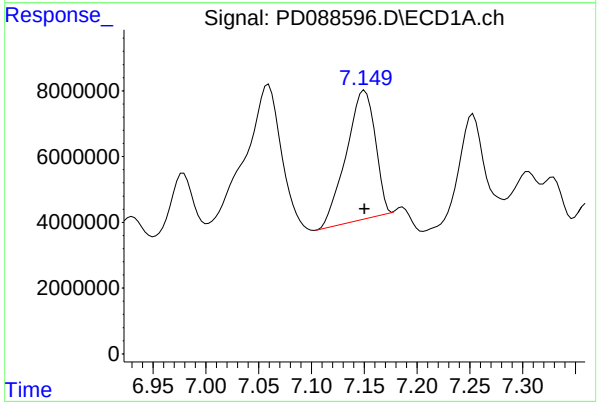
R.T.: 6.443 min
Delta R.T.: 0.000 min
Response: 38175593
Conc: 1000.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC1000



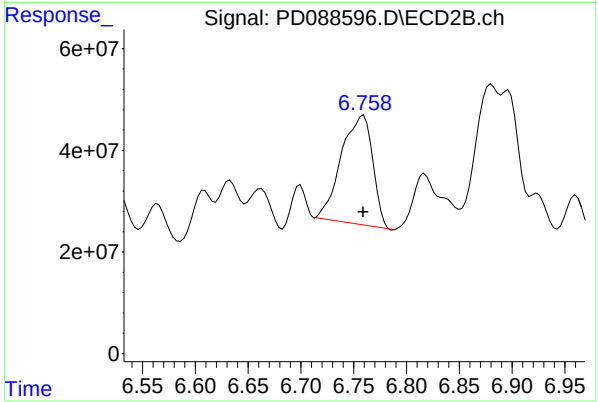
#3 Toxaphene-2

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 92222033
Conc: 990.03 ng/ml



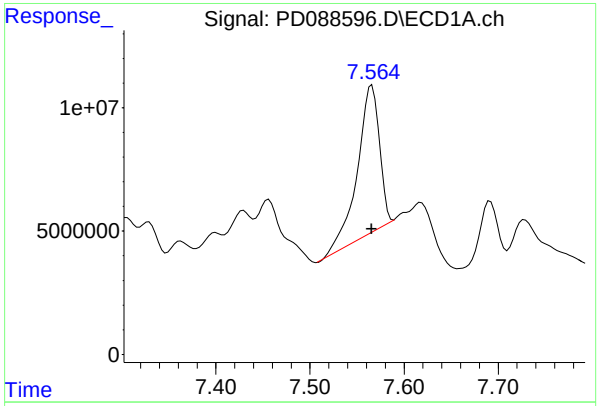
#4 Toxaphene-3

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 74658776
Conc: 1016.13 ng/ml



#4 Toxaphene-3

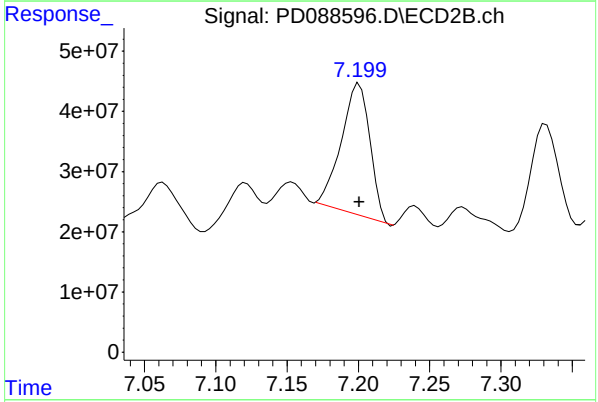
R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 443975761
Conc: 1007.82 ng/ml



#5 Toxaphene-4

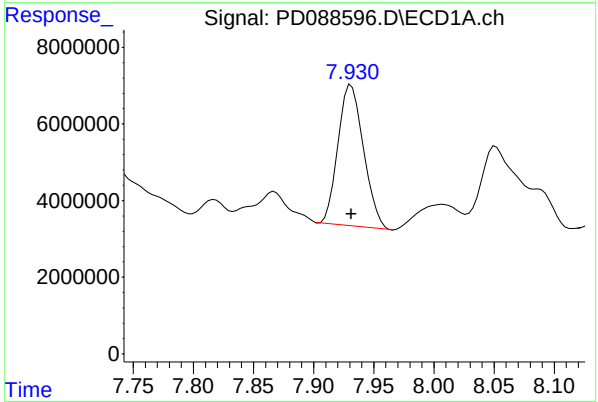
R.T.: 7.566 min
Delta R.T.: 0.000 mi
Response: 96380948
Conc: 1026.46 ng/m

Instrument :
ECD_D
ClientSampleId :
PTOXICC1000



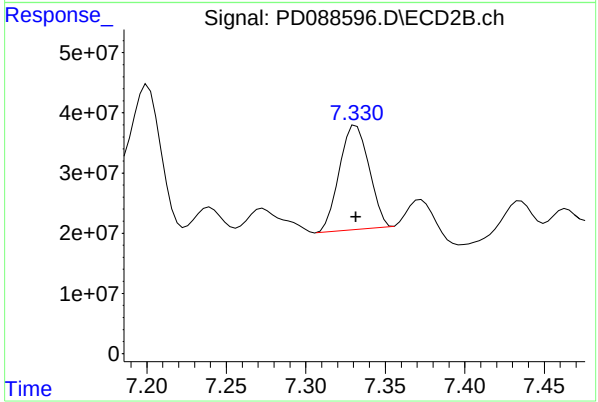
#5 Toxaphene-4

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 304879748
Conc: 989.61 ng/ml



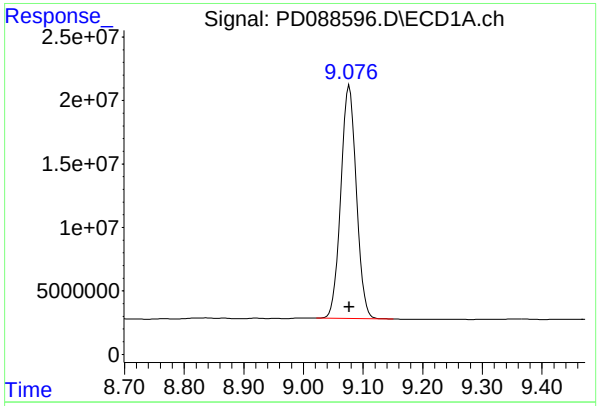
#6 Toxaphene-5

R.T.: 7.931 min
Delta R.T.: 0.000 min
Response: 54472082
Conc: 1020.73 ng/ml



#6 Toxaphene-5

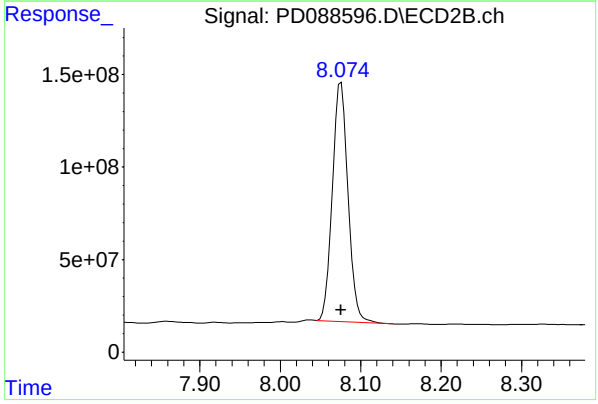
R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 224676694
Conc: 1017.44 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 331163762
Conc: 99.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC1000



#7 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 1749687936
Conc: 99.12 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:00
Operator : AR\AJ
Sample : PTOXICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:29:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:24:19 2025
Response via : Initial 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	2.882	161.6E6	1092.9E6	73.702	73.577
7) SA	Decachlor...	9.076	8.076	243.5E6	1287.0E6	73.724	73.593
	Target Compounds						
2)	Toxaphene-1	6.243	5.478	19578317	98797313	733.882	733.653
3)	Toxaphene-2	6.444	5.649	27832709	68042688	736.280	736.859
4)	Toxaphene-3	7.150	6.759	53906953	320.9E6	739.049	735.440
5)	Toxaphene-4	7.566	7.201	69811434	225.6E6	745.648	738.171
6)	Toxaphene-5	7.931	7.332	39488469	161.7E6	743.275	738.151

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

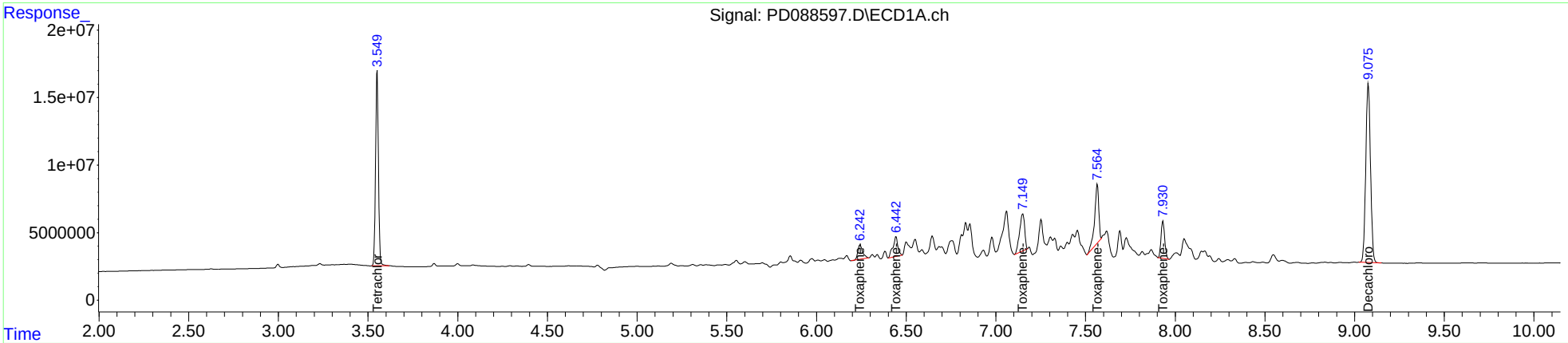
Quantitation Report (QT Reviewed)

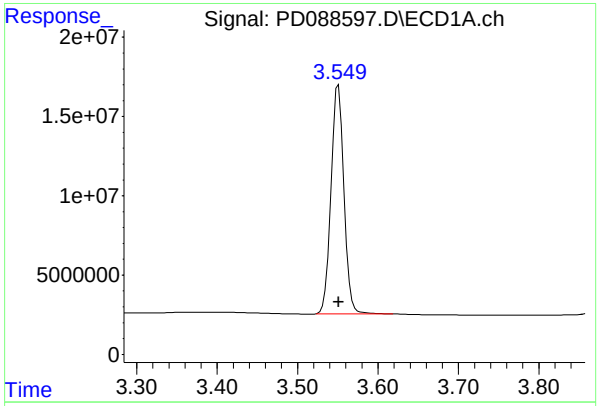
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:00
Operator : AR\AJ
Sample : PTOXICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:29:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:24:19 2025
Response via : Initial 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

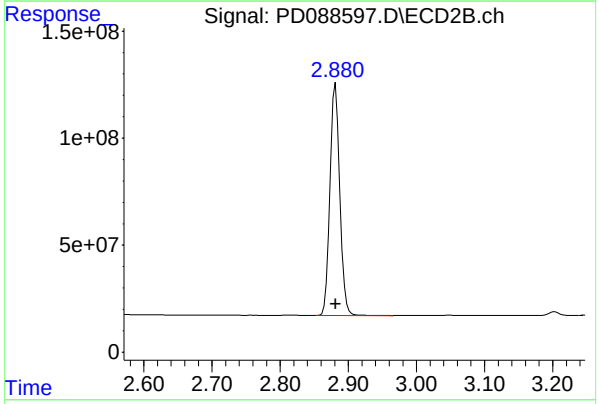




#1 Tetrachloro-m-xylene

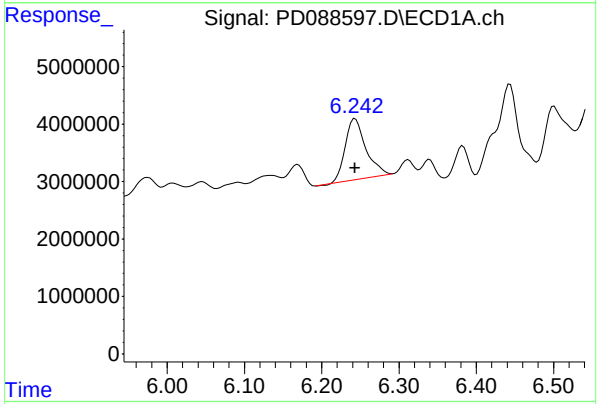
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 161582870
Conc: 73.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC750



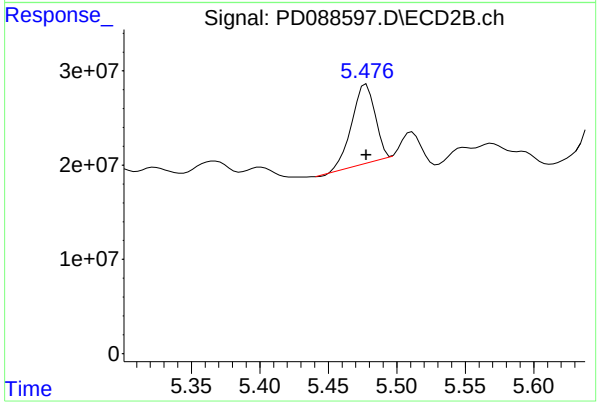
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 1092943802
Conc: 73.58 ng/ml



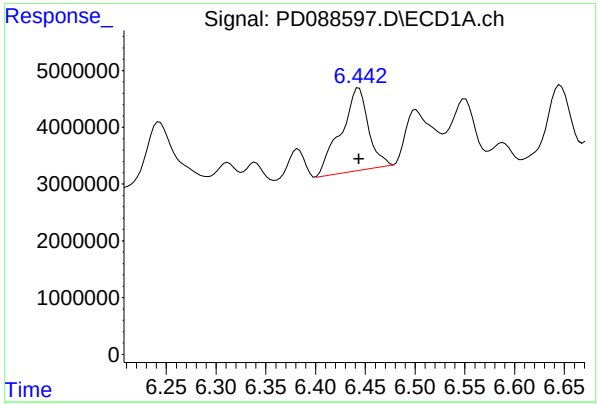
#2 Toxaphene-1

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 19578317
Conc: 733.88 ng/ml



#2 Toxaphene-1

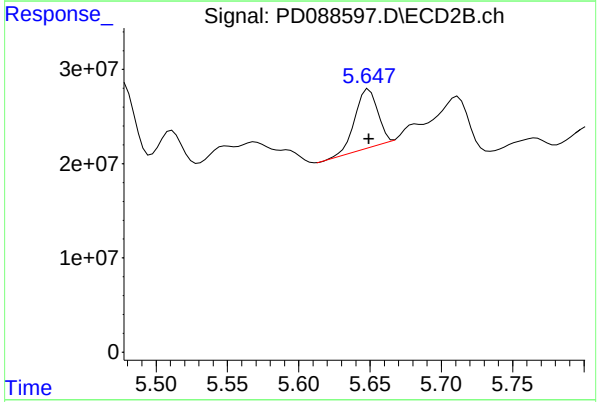
R.T.: 5.478 min
Delta R.T.: 0.000 min
Response: 98797313
Conc: 733.65 ng/ml



#3 Toxaphene-2

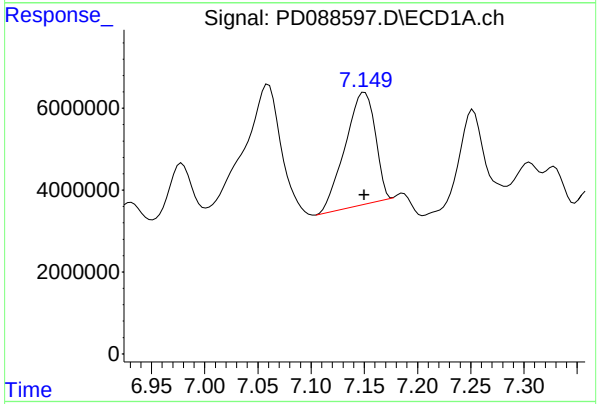
R.T.: 6.444 min
Delta R.T.: 0.000 min
Response: 27832709
Conc: 736.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC750



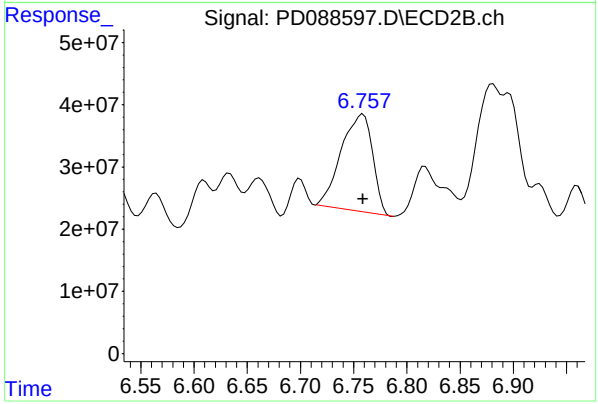
#3 Toxaphene-2

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 68042688
Conc: 736.86 ng/ml



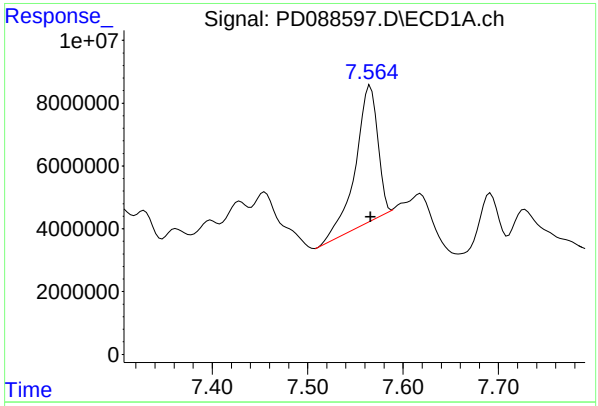
#4 Toxaphene-3

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 53906953
Conc: 739.05 ng/ml



#4 Toxaphene-3

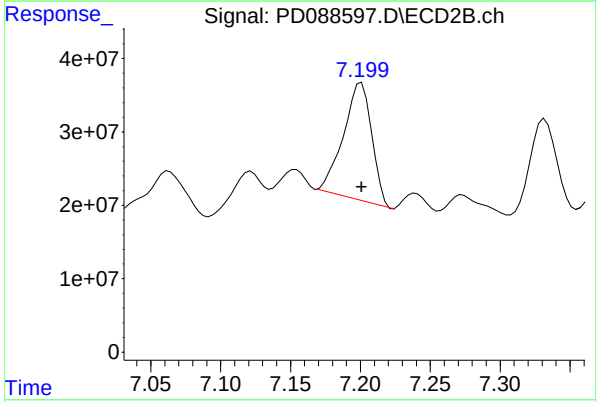
R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 320868331
Conc: 735.44 ng/ml



#5 Toxaphene-4

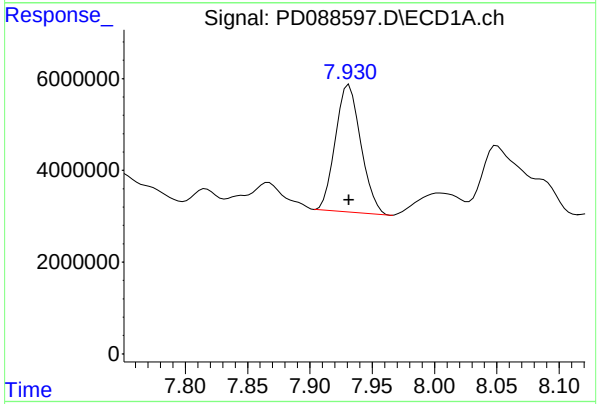
R.T.: 7.566 min
Delta R.T.: 0.000 min
Response: 69811434
Conc: 745.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC750



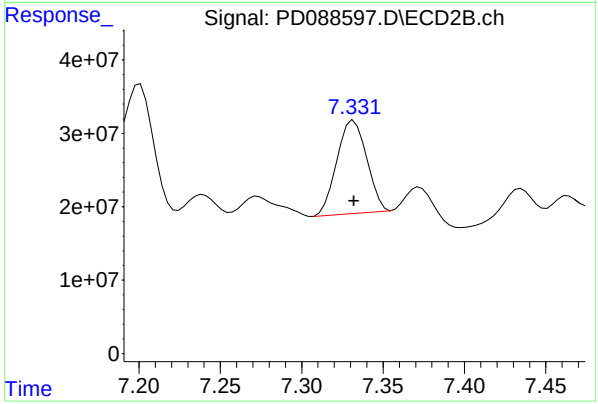
#5 Toxaphene-4

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 225638227
Conc: 738.17 ng/ml



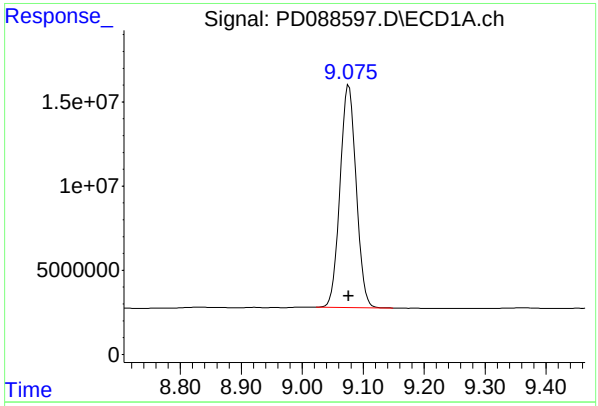
#6 Toxaphene-5

R.T.: 7.931 min
Delta R.T.: 0.000 min
Response: 39488469
Conc: 743.28 ng/ml



#6 Toxaphene-5

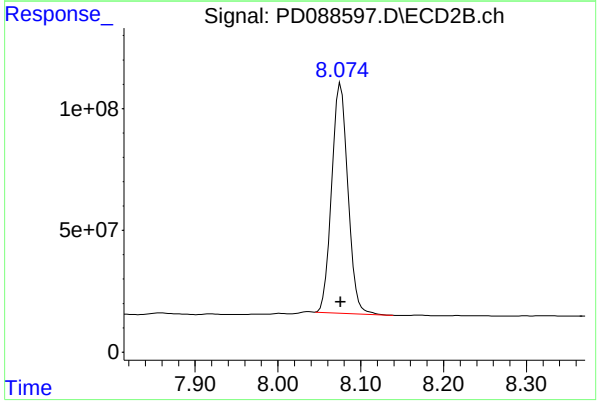
R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 161725463
Conc: 738.15 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.000 min
Response: 243533502
Conc: 73.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC750



#7 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 1287038012
Conc: 73.59 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:14
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: May 19 14:24:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:24:19 2025
Response via : Initial 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	2.882	108.0E6	751.0E6	50.000	50.000
7) SA	Decachlor...	9.078	8.076	167.6E6	890.4E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.244	5.478	13194843	69615460	500.000	500.000
3)	Toxaphene-2	6.444	5.649	19059780	47039410	500.000	500.000
4)	Toxaphene-3	7.151	6.759	36144150	218.5E6	500.000	500.000
5)	Toxaphene-4	7.566	7.201	45706327	155.6E6	500.000	500.000
6)	Toxaphene-5	7.932	7.332	26129785	108.5E6	500.000	500.000

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

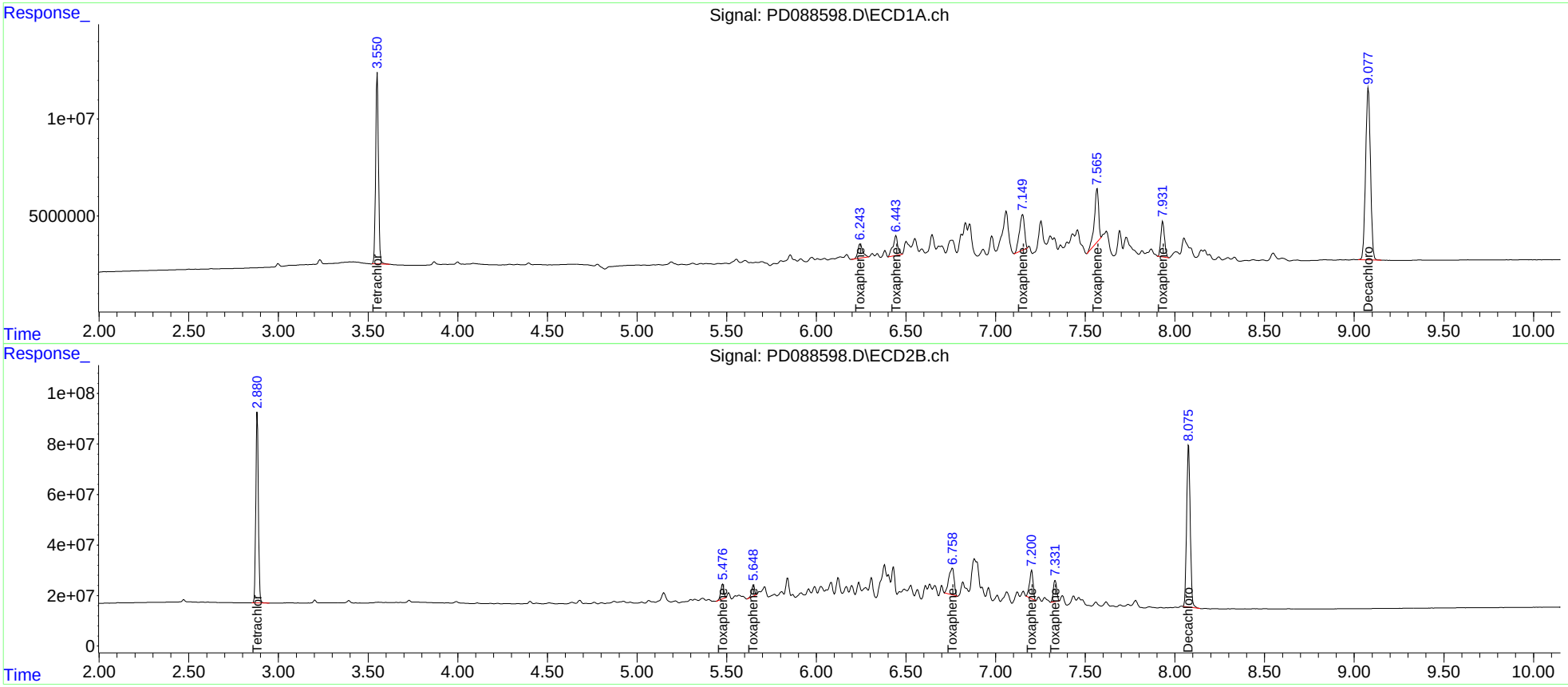
Quantitation Report (QT Reviewed)

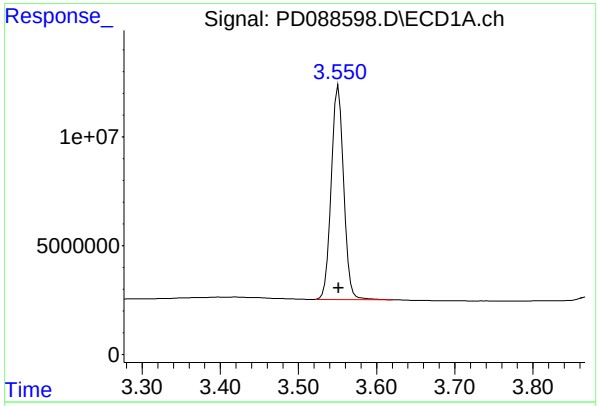
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:14
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:24:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:24:19 2025
Response via : Initial 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

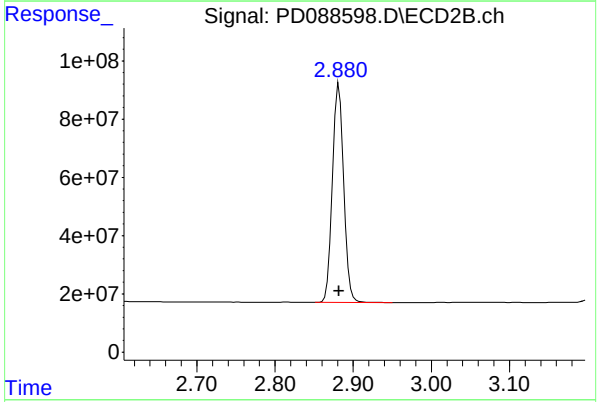




#1 Tetrachloro-m-xylene

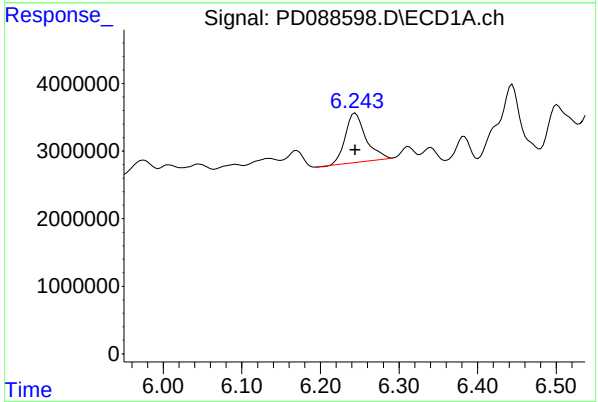
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 107983871
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



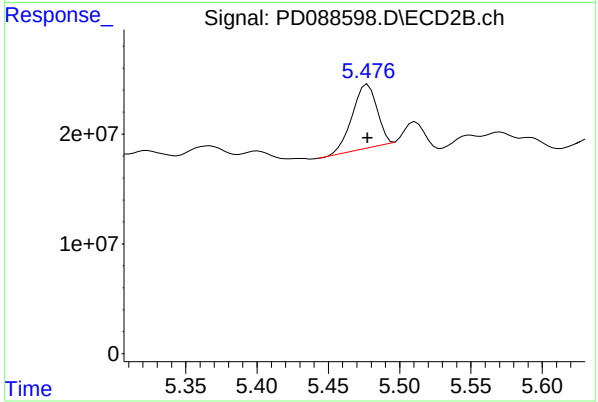
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 751004870
Conc: 50.00 ng/ml



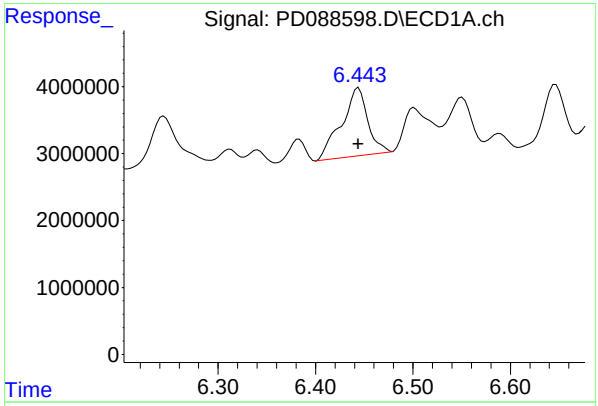
#2 Toxaphene-1

R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 13194843
Conc: 500.00 ng/ml



#2 Toxaphene-1

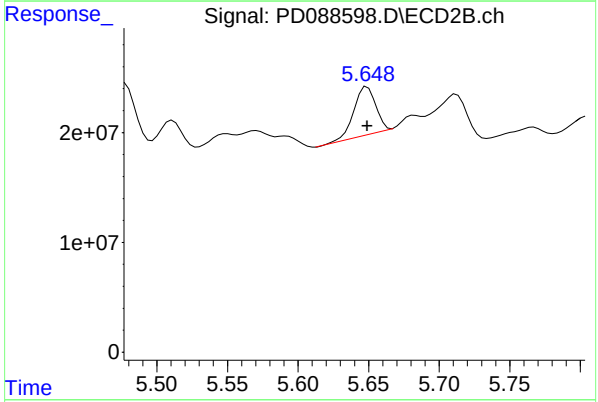
R.T.: 5.478 min
Delta R.T.: 0.000 min
Response: 69615460
Conc: 500.00 ng/ml



#3 Toxaphene-2

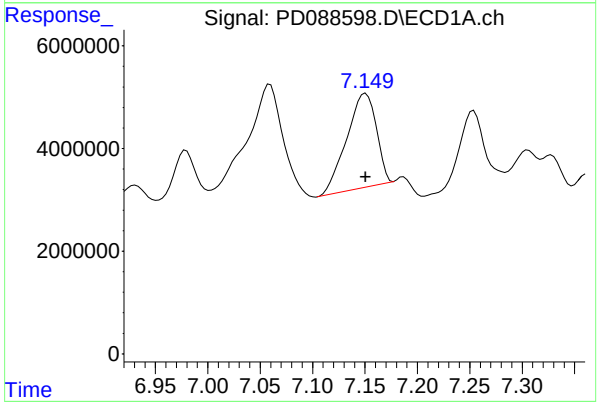
R.T.: 6.444 min
Delta R.T.: 0.000 min
Response: 19059780
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



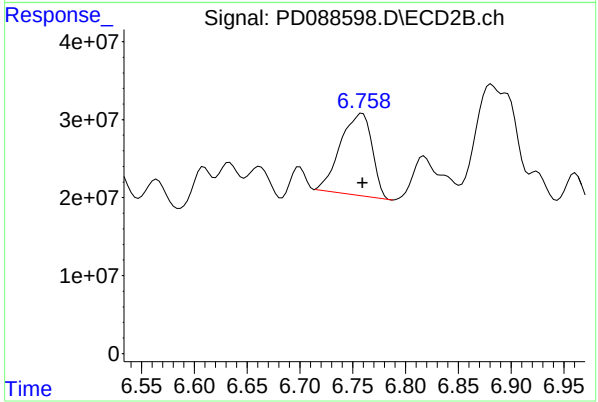
#3 Toxaphene-2

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 47039410
Conc: 500.00 ng/ml



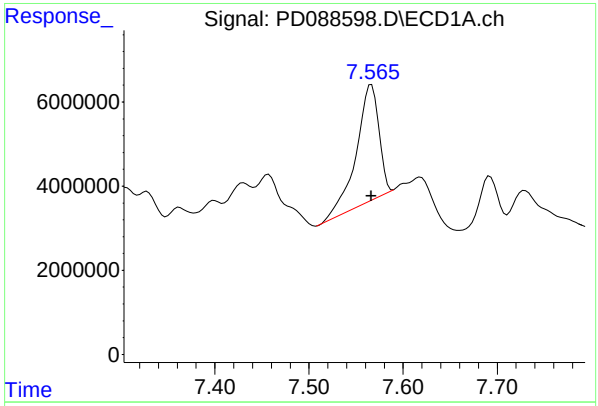
#4 Toxaphene-3

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 36144150
Conc: 500.00 ng/ml



#4 Toxaphene-3

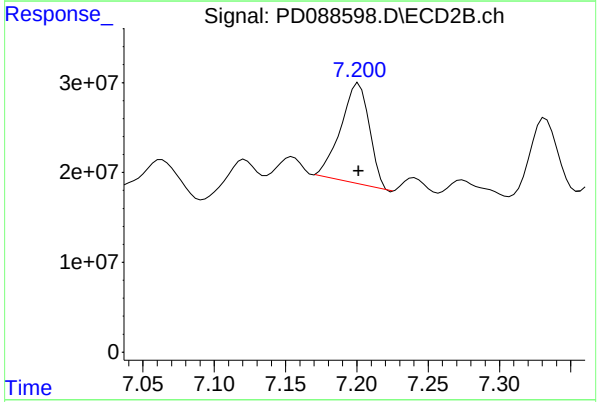
R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 218541432
Conc: 500.00 ng/ml



#5 Toxaphene-4

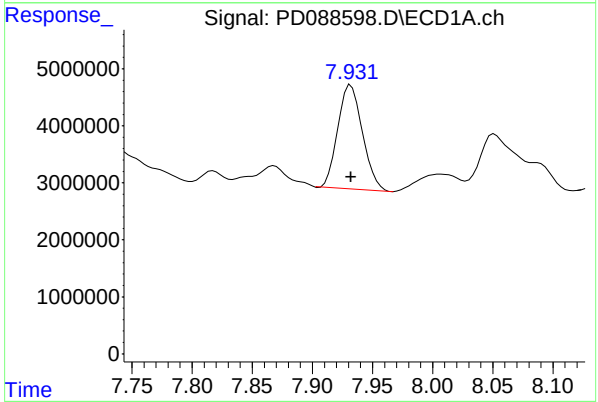
R.T.: 7.566 min
Delta R.T.: 0.000 min
Response: 45706327
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



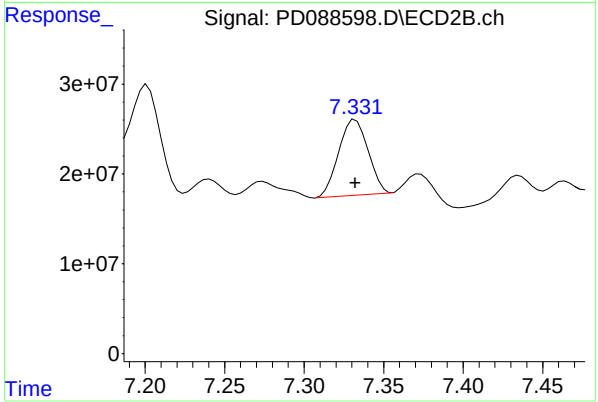
#5 Toxaphene-4

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 155642376
Conc: 500.00 ng/ml



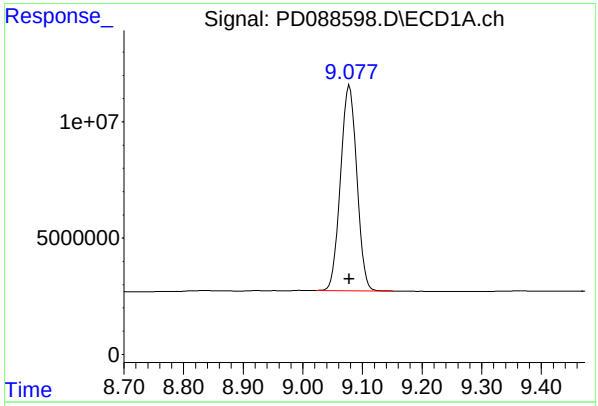
#6 Toxaphene-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 26129785
Conc: 500.00 ng/ml



#6 Toxaphene-5

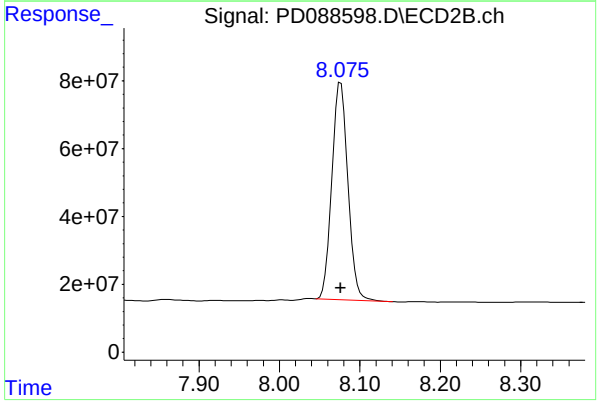
R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 108487622
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 167560869
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 890418254
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:27
Operator : AR\AJ
Sample : PTOXICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC250

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:48:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:48:06 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 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	2.882	56425582	408.0E6	25.549	26.804
7) SA	Decachlor...	9.077	8.076	91129433	489.5E6	26.891	27.177
	Target Compounds						
2)	Toxaphene-1	6.244	5.478	6936563	38488122	257.436	275.927
3)	Toxaphene-2	6.444	5.648	9742881	27182238	255.757	281.861m
4)	Toxaphene-3	7.151	6.759	18854764	117.7E6	256.316	264.578
5)	Toxaphene-4	7.566	7.201	23808217	84763888	253.206	269.933
6)	Toxaphene-5	7.932	7.333	13637473	55594746	254.986	252.800

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

Quantitation Report (QT Reviewed)

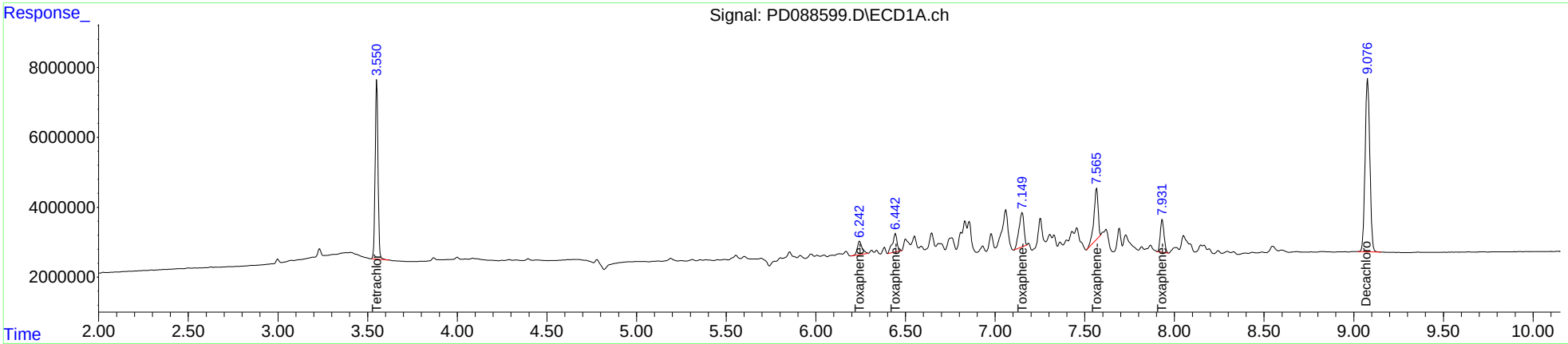
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:27
Operator : AR\AJ
Sample : PTOXICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

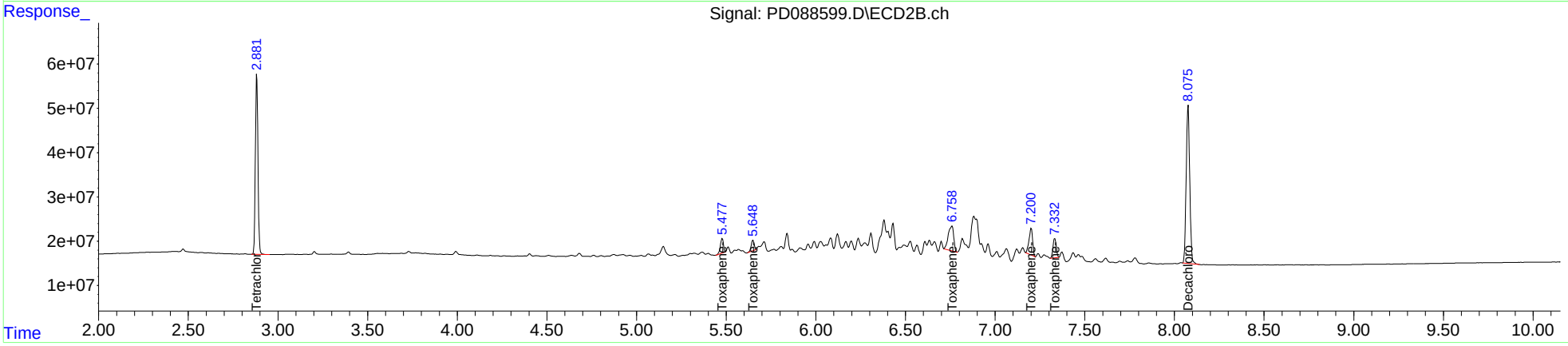
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:48:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:48:06 2025
Response via : Initial Calibration
Integrator: ChemStation

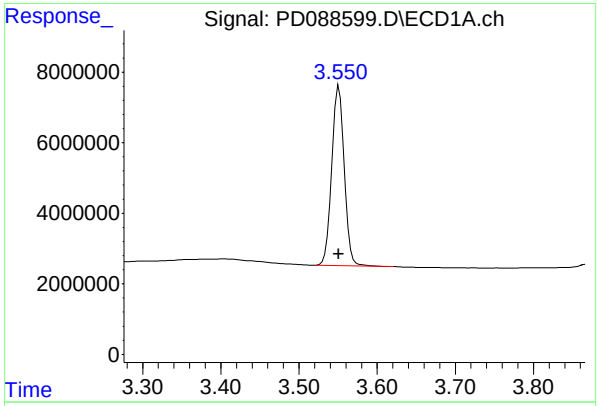
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

Instrument :
ECD_D
ClientSampleId :
PTOXICC250

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025







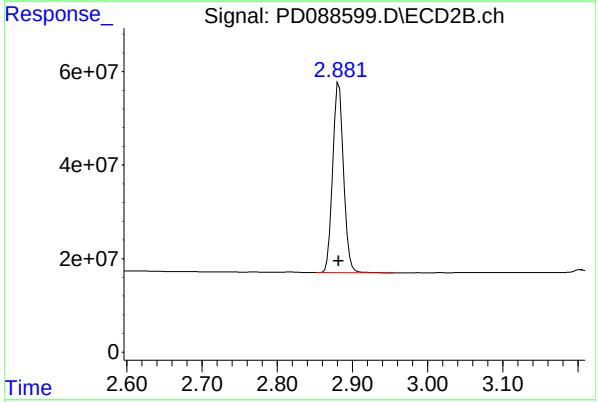
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 56425582
Conc: 25.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC250

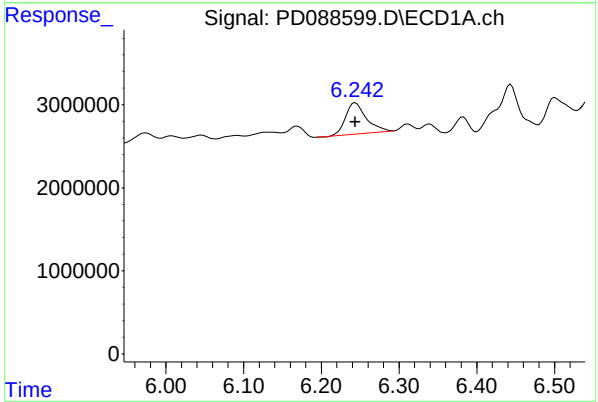
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



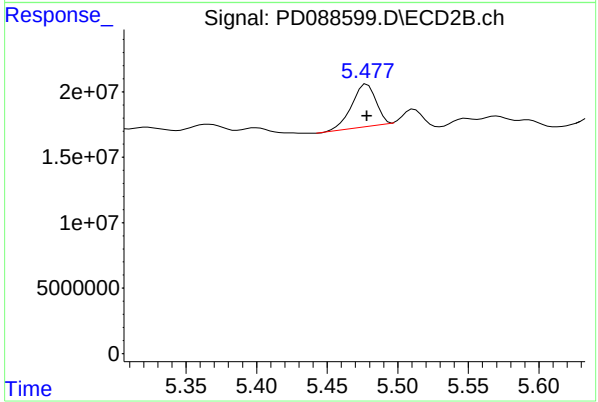
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 407974731
Conc: 26.80 ng/ml



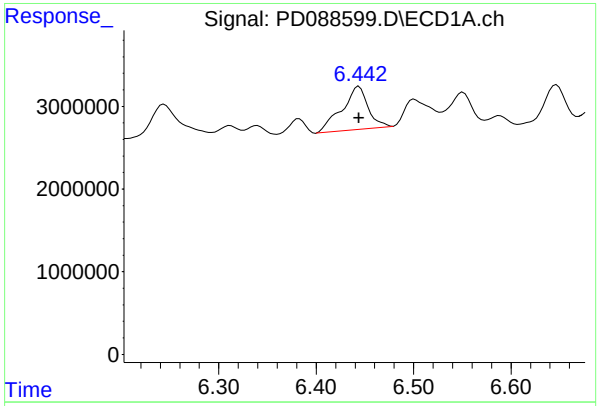
#2 Toxaphene-1

R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 6936563
Conc: 257.44 ng/ml



#2 Toxaphene-1

R.T.: 5.478 min
Delta R.T.: 0.000 min
Response: 38488122
Conc: 275.93 ng/ml



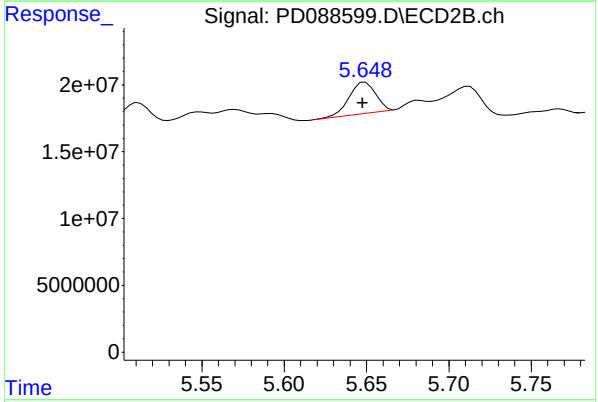
#3 Toxaphene-2

R.T.: 6.444 min
Delta R.T.: 0.000 mi
Response: 9742881
Conc: 255.76 ng/m

Instrument :
ECD_D
ClientSampleId :
PTOXICC250

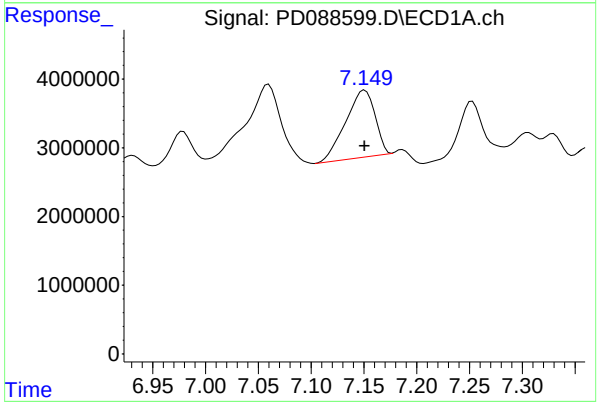
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



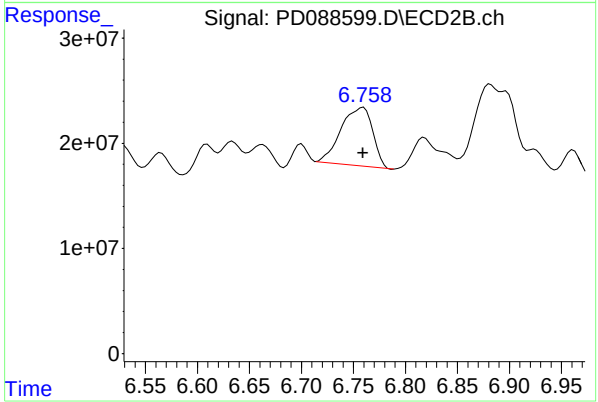
#3 Toxaphene-2

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 27182238
Conc: 281.86 ng/ml m



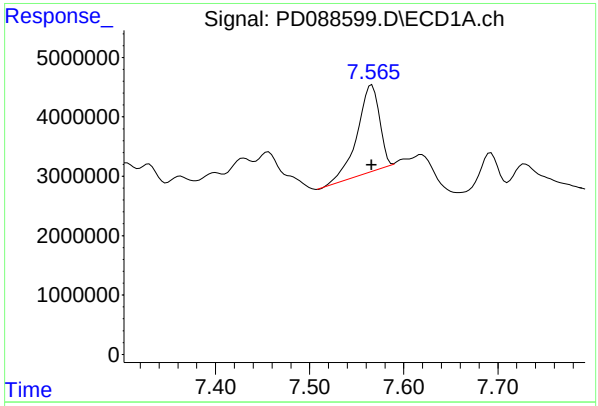
#4 Toxaphene-3

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 18854764
Conc: 256.32 ng/ml



#4 Toxaphene-3

R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 117721941
Conc: 264.58 ng/ml



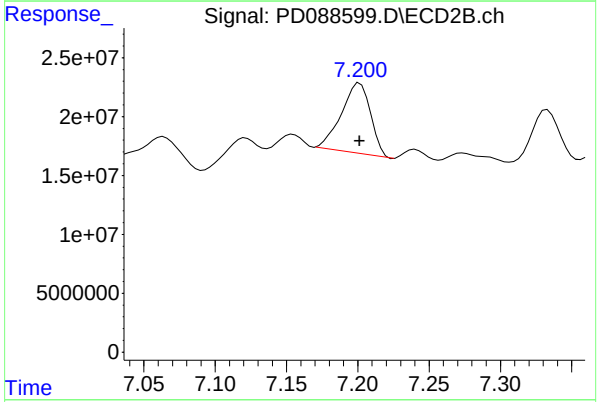
#5 Toxaphene-4

R.T.: 7.566 min
Delta R.T.: 0.000 min
Response: 23808217
Conc: 253.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC250

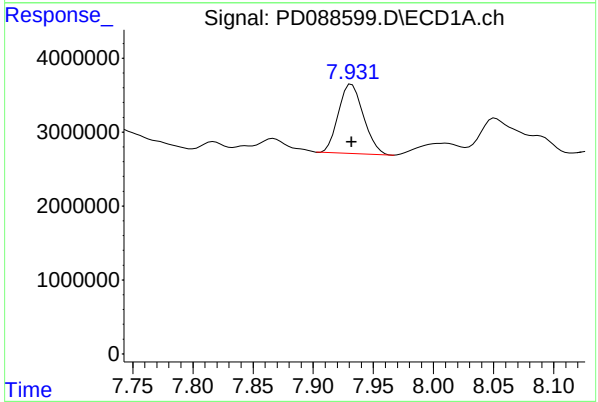
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



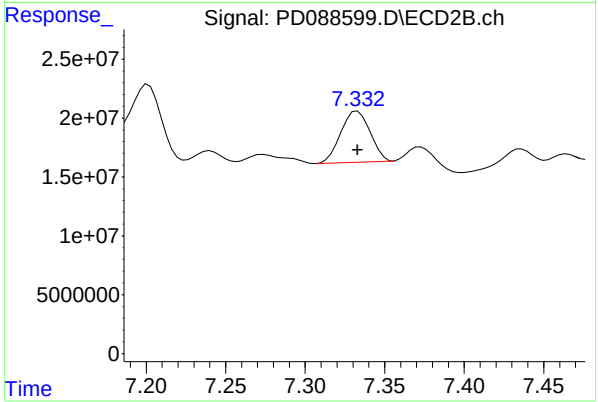
#5 Toxaphene-4

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 84763888
Conc: 269.93 ng/ml



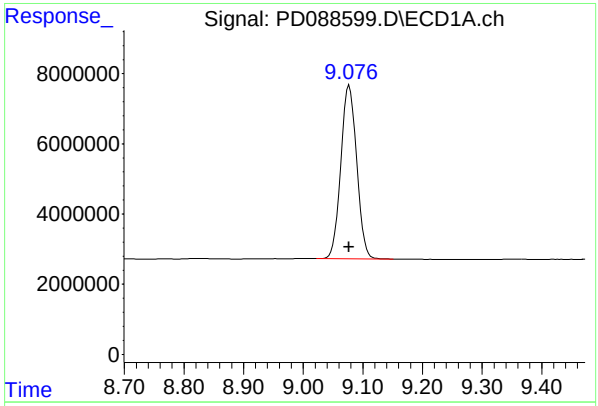
#6 Toxaphene-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 13637473
Conc: 254.99 ng/ml



#6 Toxaphene-5

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 55594746
Conc: 252.80 ng/ml



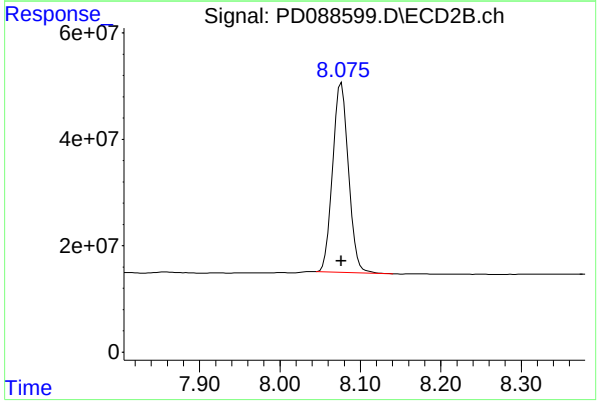
#7 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 91129433
Conc: 26.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC250

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



#7 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 489506128
Conc: 27.18 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:41
Operator : AR\AJ
Sample : PTOXICC100
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:50:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:18 2025
Response via : Initial 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	2.882	24158016	179.3E6	10.737	11.376
7) SA	Decachlor...	9.078	8.076	40527277	220.8E6	11.508	11.729
	Target Compounds						
2)	Toxaphene-1	6.244	5.478	3033718	15886262	109.825	110.812
3)	Toxaphene-2	6.444	5.649	4195220	11229903	107.941	112.738
4)	Toxaphene-3	7.151	6.758	7580548	47747917	102.427	105.766
5)	Toxaphene-4	7.566	7.201	9505064	35364677	100.869	109.847
6)	Toxaphene-5	7.932	7.332	5597932	19090795	103.699	89.162

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

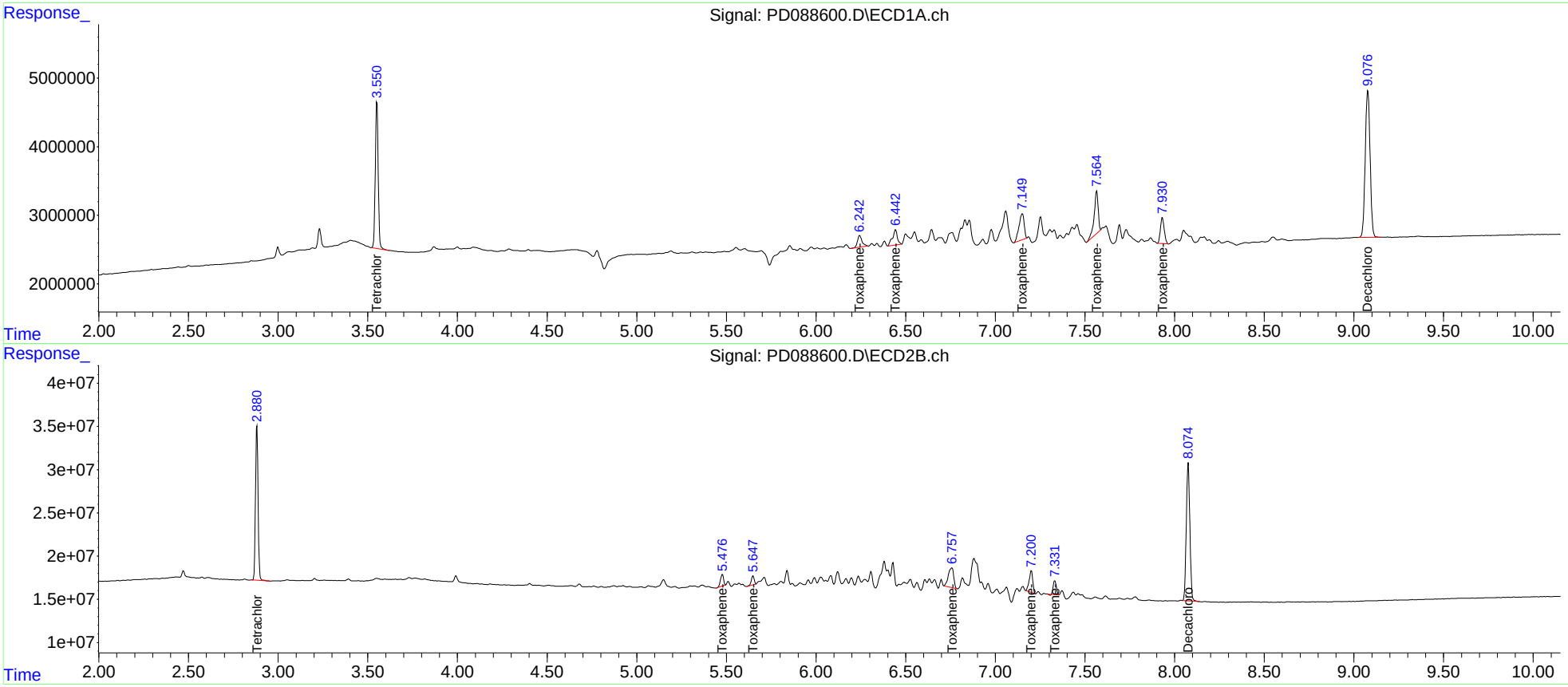
Quantitation Report (QT Reviewed)

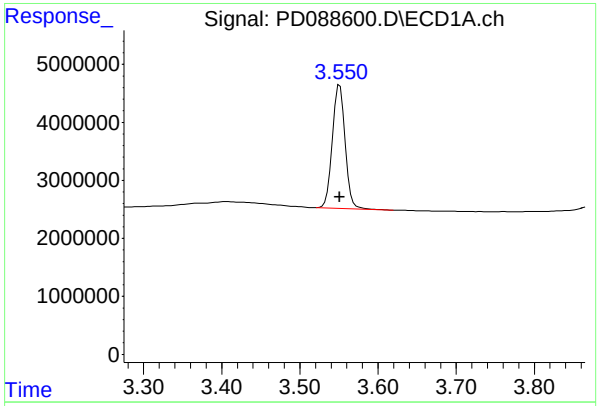
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:41
Operator : AR\AJ
Sample : PTOXICC100
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:50:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:18 2025
Response via : Initial 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

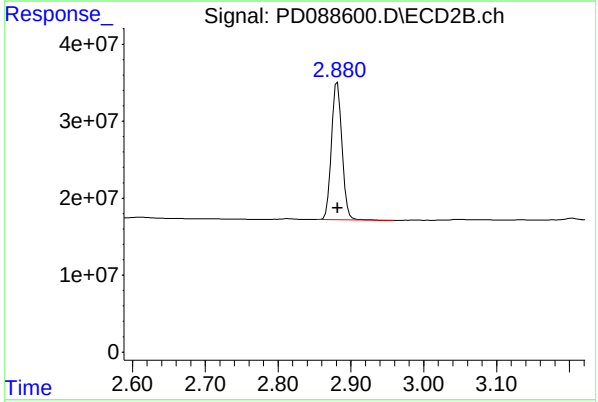




#1 Tetrachloro-m-xylene

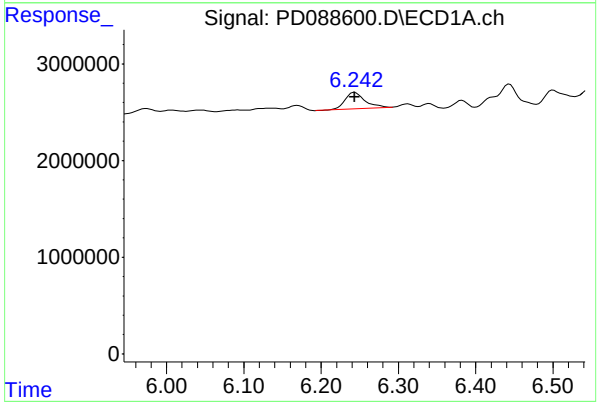
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 24158016
Conc: 10.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC100



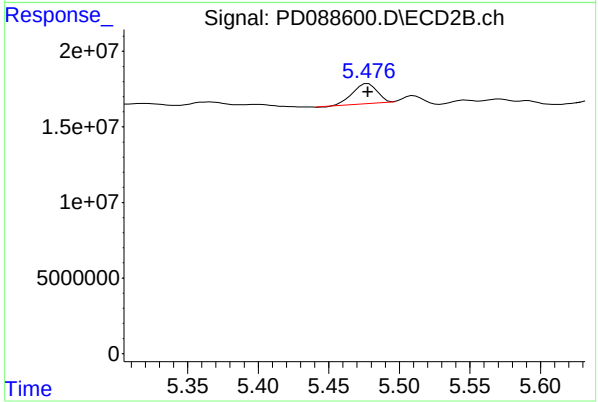
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 179314197
Conc: 11.38 ng/ml



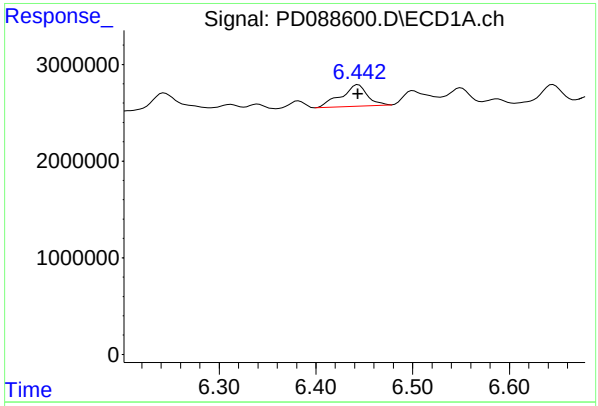
#2 Toxaphene-1

R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 3033718
Conc: 109.82 ng/ml



#2 Toxaphene-1

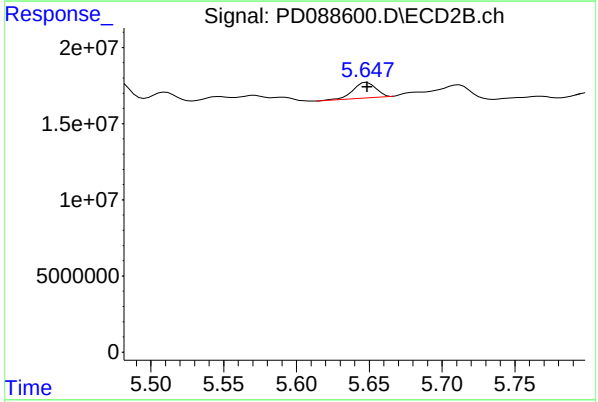
R.T.: 5.478 min
Delta R.T.: 0.000 min
Response: 15886262
Conc: 110.81 ng/ml



#3 Toxaphene-2

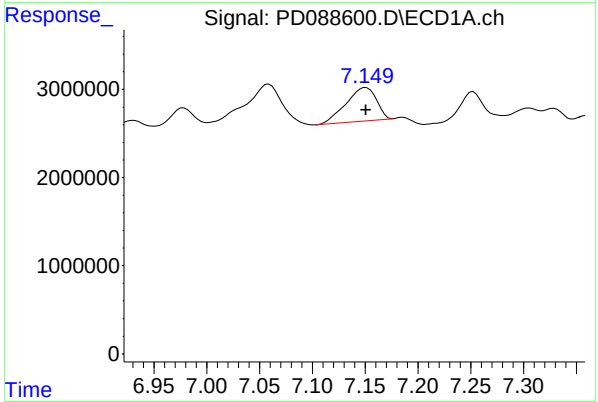
R.T.: 6.444 min
Delta R.T.: 0.000 min
Response: 4195220
Conc: 107.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC100



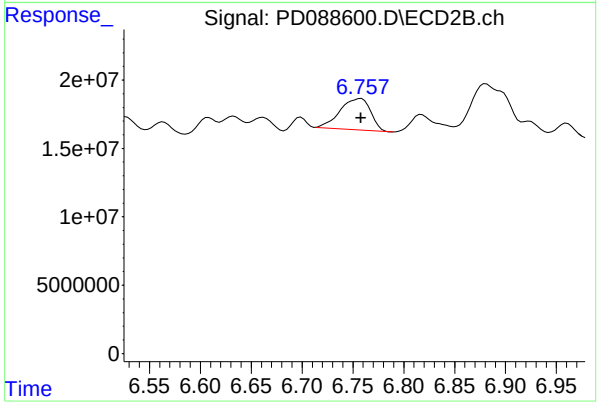
#3 Toxaphene-2

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 11229903
Conc: 112.74 ng/ml



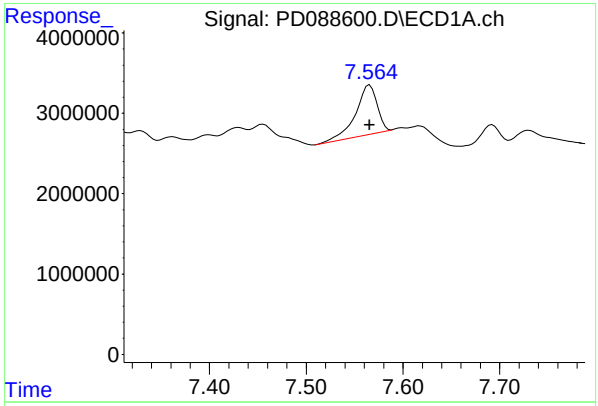
#4 Toxaphene-3

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 7580548
Conc: 102.43 ng/ml



#4 Toxaphene-3

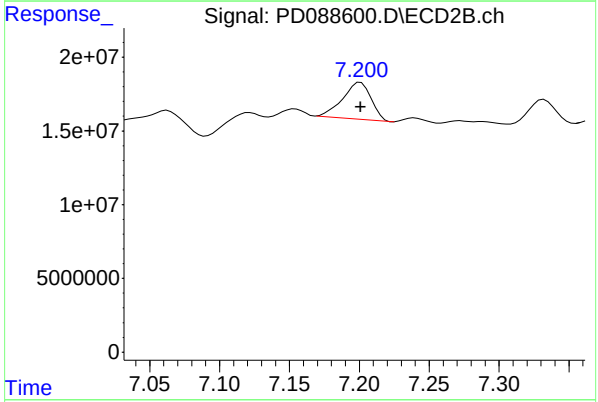
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 47747917
Conc: 105.77 ng/ml



#5 Toxaphene-4

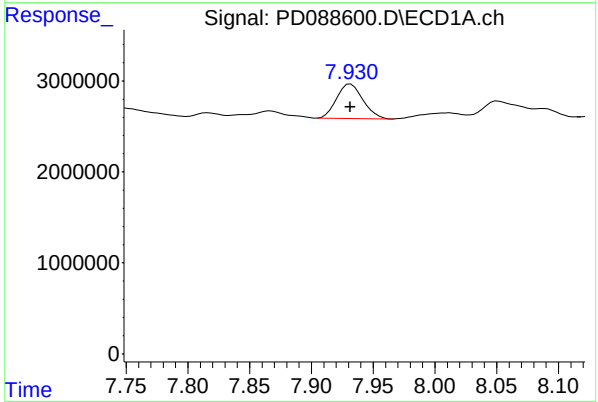
R.T.: 7.566 min
Delta R.T.: 0.000 min
Response: 9505064
Conc: 100.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC100



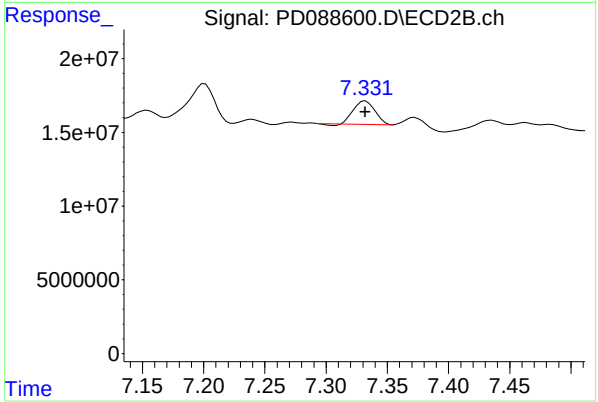
#5 Toxaphene-4

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 35364677
Conc: 109.85 ng/ml



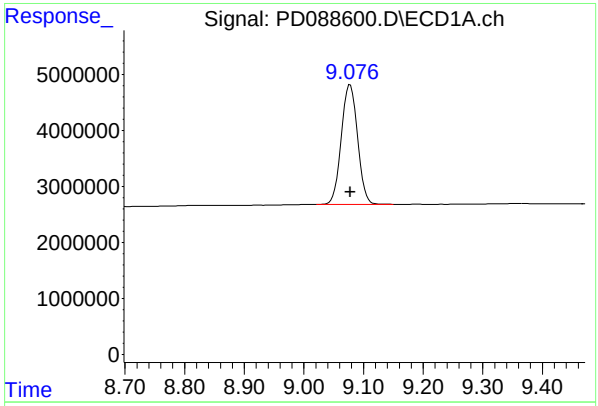
#6 Toxaphene-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 5597932
Conc: 103.70 ng/ml



#6 Toxaphene-5

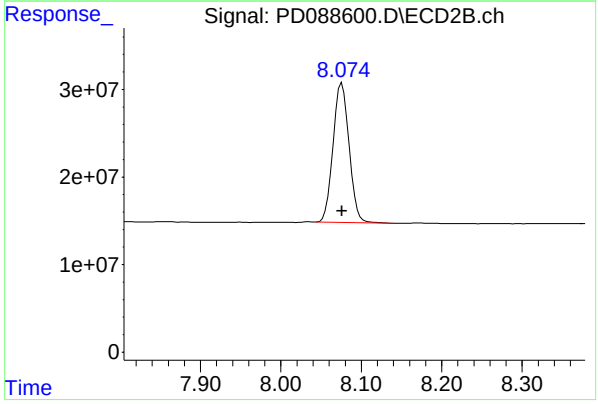
R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 19090795
Conc: 89.16 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 40527277
Conc: 11.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC100



#7 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 220807952
Conc: 11.73 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:22
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD051925TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:32:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 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	2.882	109.9E6	760.5E6	48.865	48.244
7) SA	Decachlor...	9.078	8.076	168.7E6	904.3E6	47.896	48.037
	Target Compounds						
2)	Toxaphene-1	6.244	5.478	13709332	69760879	496.296	486.606
3)	Toxaphene-2	6.444	5.649	19243908	48559753	495.137	487.496
4)	Toxaphene-3	7.151	6.759	36753246	223.0E6	496.602	493.875
5)	Toxaphene-4	7.566	7.201	47802427	160.0E6	507.285	497.043
6)	Toxaphene-5	7.932	7.333	26640764	111.6E6	493.508	521.438

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

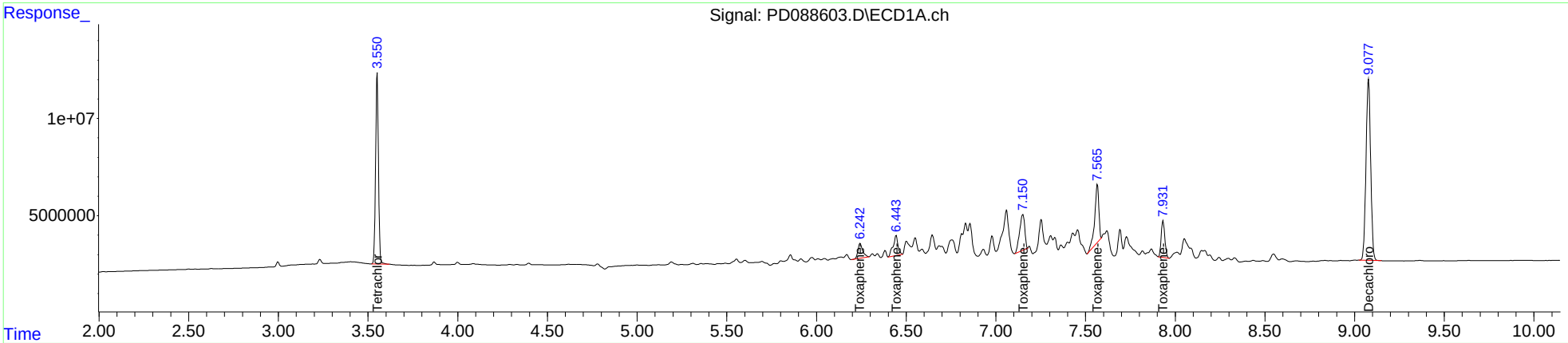
Quantitation Report (QT Reviewed)

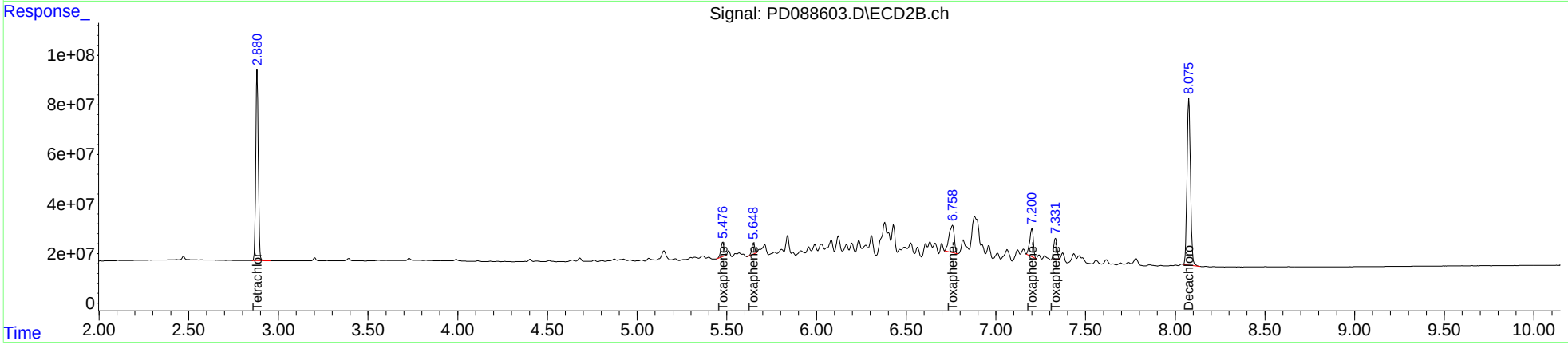
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 15:22
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

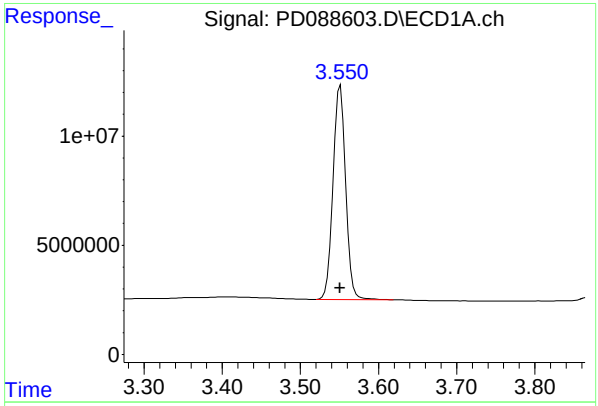
Instrument :
ECD_D
ClientSampleId :
ICVPD051925TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:32:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 x 0. Signal #2 Info : 30M x 0.32mm x0.25µm



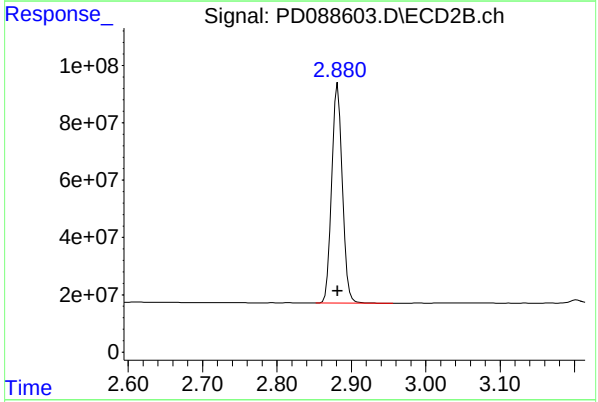




#1 Tetrachloro-m-xylene

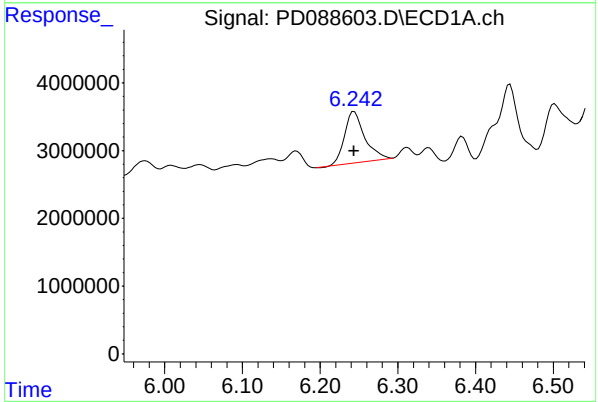
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 109947034
Conc: 48.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925TOX



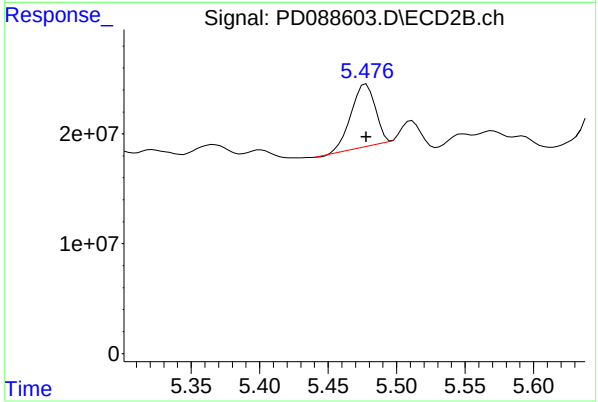
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 760460534
Conc: 48.24 ng/ml



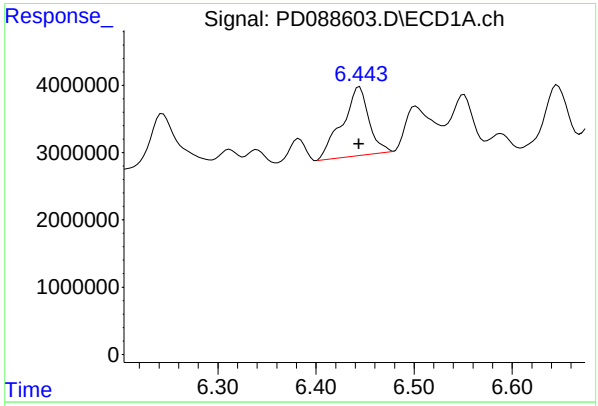
#2 Toxaphene-1

R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 13709332
Conc: 496.30 ng/ml



#2 Toxaphene-1

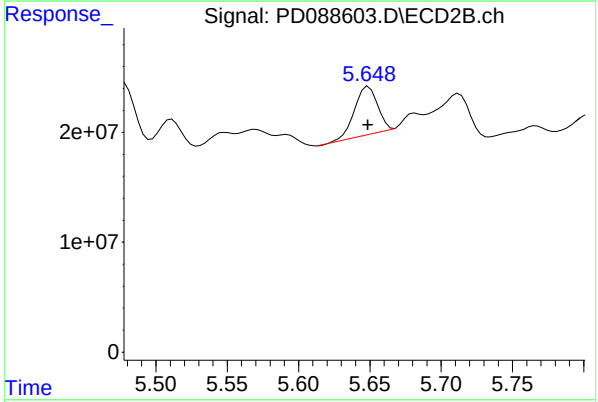
R.T.: 5.478 min
Delta R.T.: 0.000 min
Response: 69760879
Conc: 486.61 ng/ml



#3 Toxaphene-2

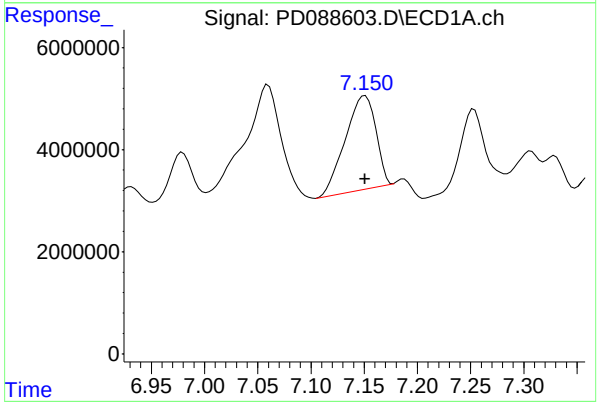
R.T.: 6.444 min
Delta R.T.: 0.000 min
Response: 19243908
Conc: 495.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925TOX



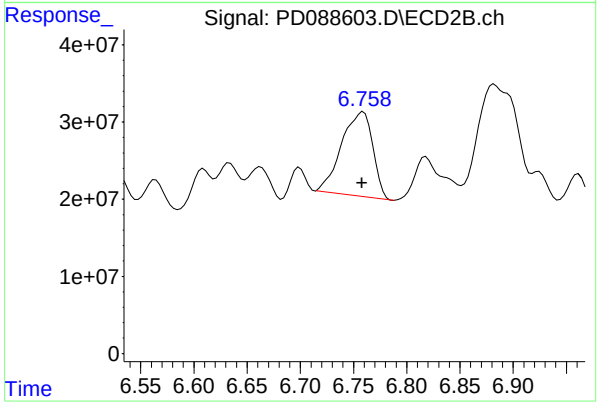
#3 Toxaphene-2

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 48559753
Conc: 487.50 ng/ml



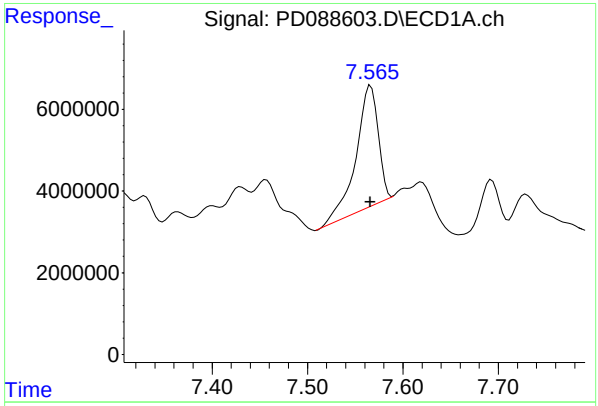
#4 Toxaphene-3

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 36753246
Conc: 496.60 ng/ml



#4 Toxaphene-3

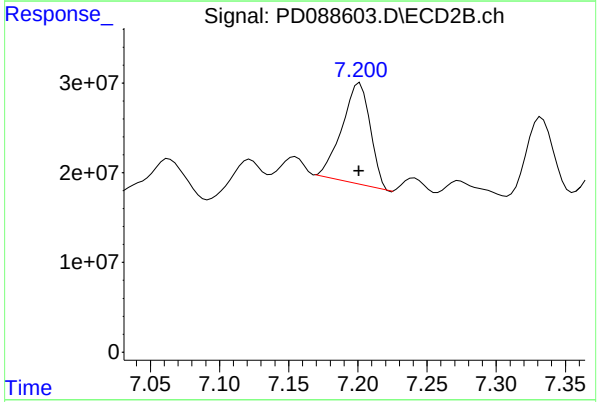
R.T.: 6.759 min
Delta R.T.: 0.001 min
Response: 222959754
Conc: 493.87 ng/ml



#5 Toxaphene-4

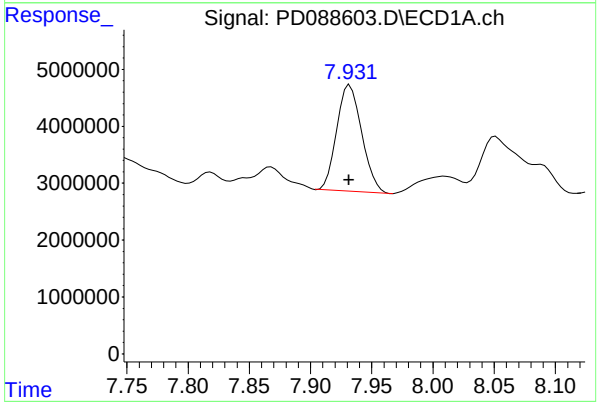
R.T.: 7.566 min
Delta R.T.: 0.000 min
Response: 47802427
Conc: 507.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925TOX



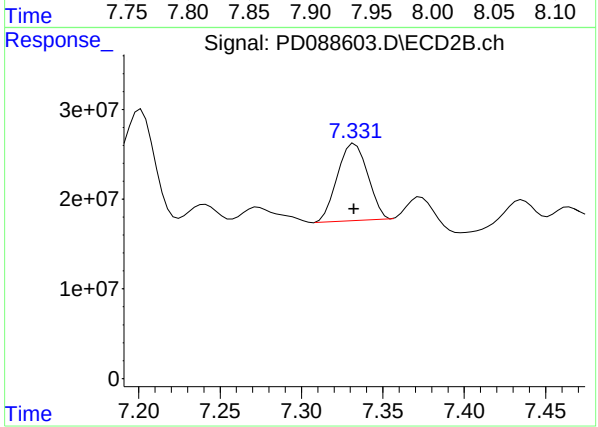
#5 Toxaphene-4

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 160019929
Conc: 497.04 ng/ml



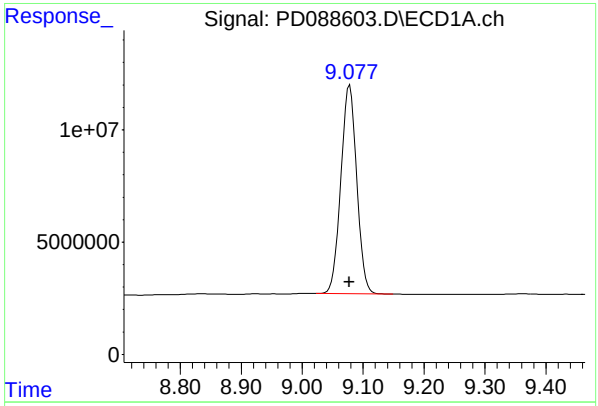
#6 Toxaphene-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 26640764
Conc: 493.51 ng/ml



#6 Toxaphene-5

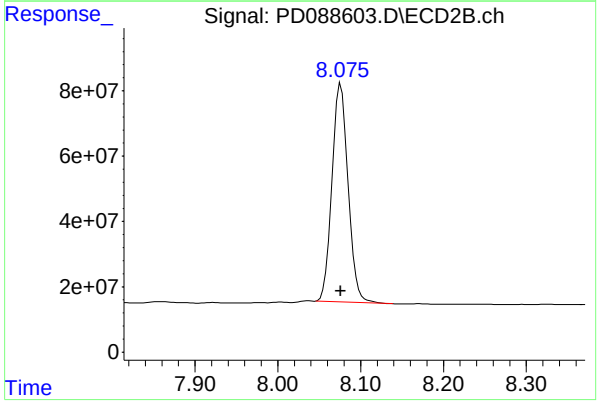
R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 111647482
Conc: 521.44 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 168669263
Conc: 47.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925TOX



#7 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 904322019
Conc: 48.04 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/29/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 13:32 **Initial Calibration Time(s):** 13:47 14:41

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Toxaphene-1	(1)	6.25	6.24	6.14	6.34	-0.01
Toxaphene-2	(2)	6.45	6.44	6.34	6.54	-0.01
Toxaphene-3	(3)	7.16	7.15	7.05	7.25	-0.01
Toxaphene-4	(4)	7.57	7.57	7.47	7.67	0.00
Toxaphene-5	(5)	7.93	7.93	7.83	8.03	0.00
Decachlorobiphenyl		9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene		3.56	3.55	3.45	3.65	-0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/29/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 13:32 **Initial Calibration Time(s):** 13:47 14:41

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Toxaphene-1	(1)	5.48	5.48	5.38	5.58	0.00
Toxaphene-2	(2)	5.65	5.65	5.55	5.75	0.00
Toxaphene-3	(3)	6.76	6.76	6.66	6.86	0.00
Toxaphene-4	(4)	7.20	7.20	7.10	7.30	0.00
Toxaphene-5	(5)	7.33	7.33	7.23	7.43	0.00
Decachlorobiphenyl		8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene		2.88	2.88	2.78	2.98	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/29/2025

Lab Sample No.: PTOXCCC500 **Data File :** PD088772.D **Time Analyzed:** 13:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.080	8.978	9.178	47.130	50.000	-5.7
Tetrachloro-m-xylene	3.555	3.451	3.651	51.630	50.000	3.3
Toxaphene-1	6.248	6.144	6.344	517.210	500.000	3.4
Toxaphene-2	6.447	6.344	6.544	496.850	500.000	-0.6
Toxaphene-3	7.155	7.051	7.251	487.920	500.000	-2.4
Toxaphene-4	7.569	7.466	7.666	490.390	500.000	-1.9
Toxaphene-5	7.934	7.832	8.032	476.150	500.000	-4.8

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/29/2025

Lab Sample No.: PTOXCCC500 **Data File :** PD088772.D **Time Analyzed:** 13:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.074	7.976	8.176	45.340	50.000	-9.3
Tetrachloro-m-xylene	2.880	2.782	2.982	49.190	50.000	-1.6
Toxaphene-1	5.476	5.378	5.578	475.890	500.000	-4.8
Toxaphene-2	5.647	5.549	5.749	474.730	500.000	-5.1
Toxaphene-3	6.757	6.659	6.859	419.530	500.000	-16.1
Toxaphene-4	7.199	7.101	7.301	446.290	500.000	-10.7
Toxaphene-5	7.331	7.232	7.432	447.420	500.000	-10.5

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088772.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 13:32
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:55:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 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...	3.555	2.880	116.2E6	775.3E6	51.626	49.188
7) SA	Decachlor...	9.080	8.074	166.0E6	853.5E6	47.131	45.338
	Target Compounds						
2)	Toxaphene-1	6.248	5.476	14287127	68223913	517.212	475.886
3)	Toxaphene-2	6.447	5.647	19310669	47287925	496.855	474.728
4)	Toxaphene-3	7.155	6.757	36110370	189.4E6	487.915	419.526
5)	Toxaphene-4	7.569	7.199	46210733	143.7E6	490.394	446.287
6)	Toxaphene-5	7.934	7.331	25703770	95798953	476.151	447.419

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

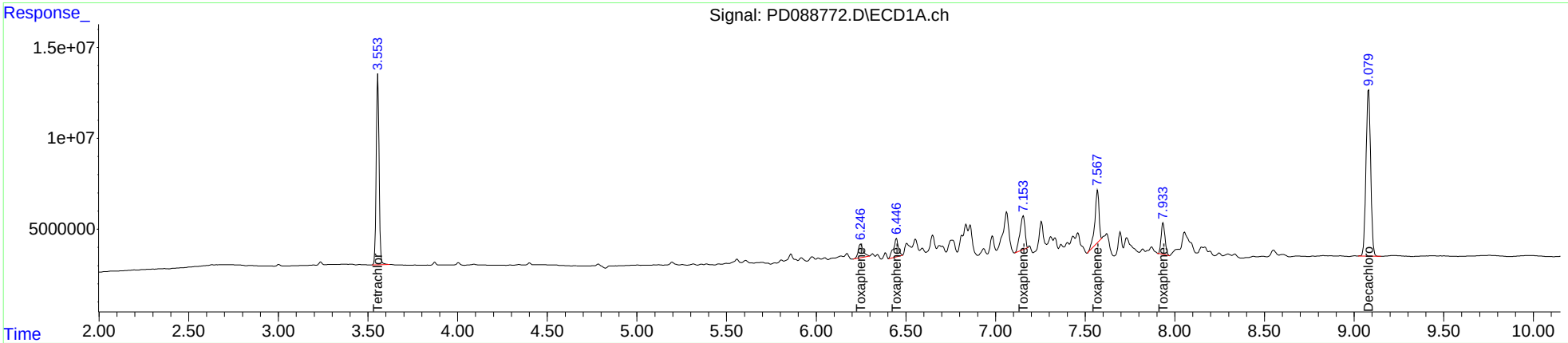
Quantitation Report (QT Reviewed)

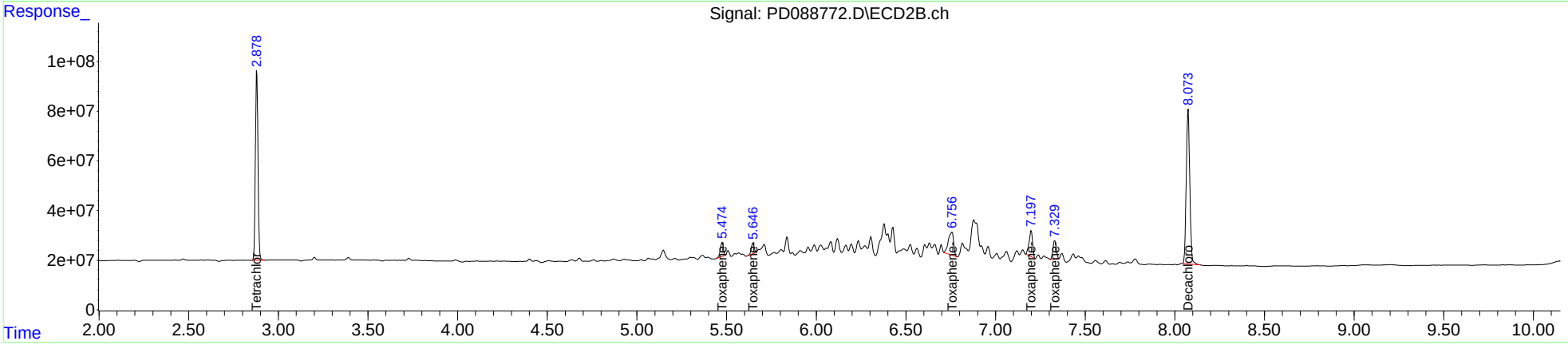
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088772.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 13:32
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

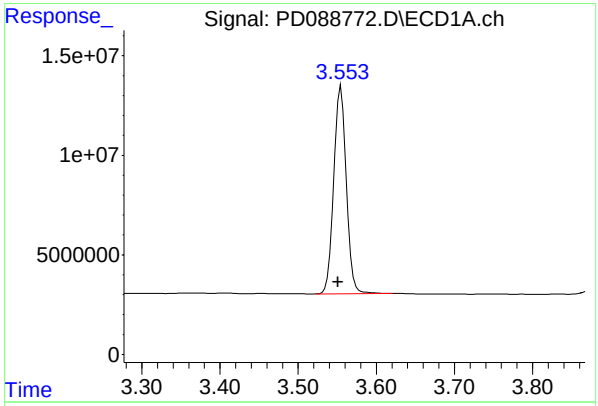
Instrument :
ECD_D
ClientSampleId :
PTOXCCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:55:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 x 0. Signal #2 Info : 30M x 0.32mm x0.25µm



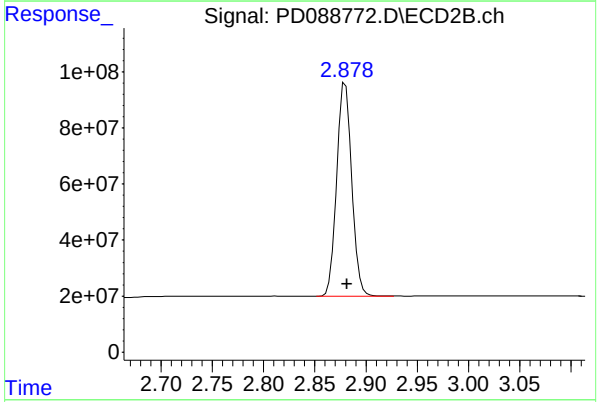




#1 Tetrachloro-m-xylene

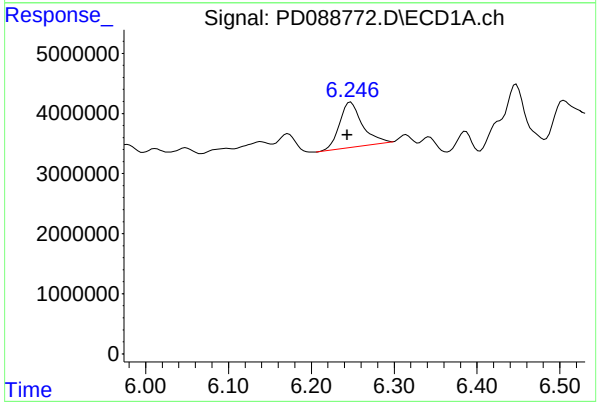
R.T.: 3.555 min
Delta R.T.: 0.004 min
Response: 116158384
Conc: 51.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500



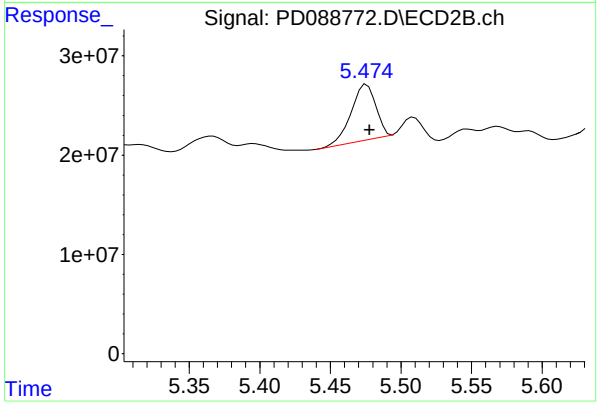
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 775338152
Conc: 49.19 ng/ml



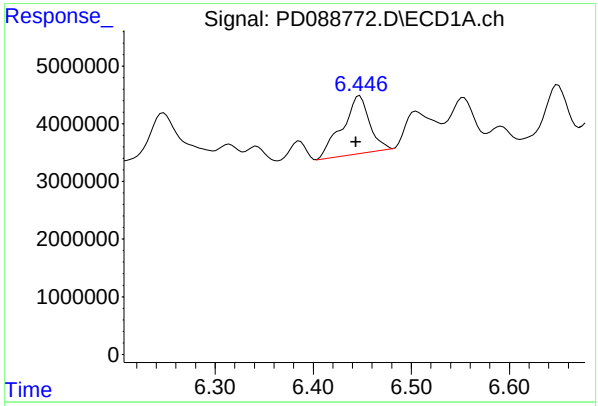
#2 Toxaphene-1

R.T.: 6.248 min
Delta R.T.: 0.004 min
Response: 14287127
Conc: 517.21 ng/ml



#2 Toxaphene-1

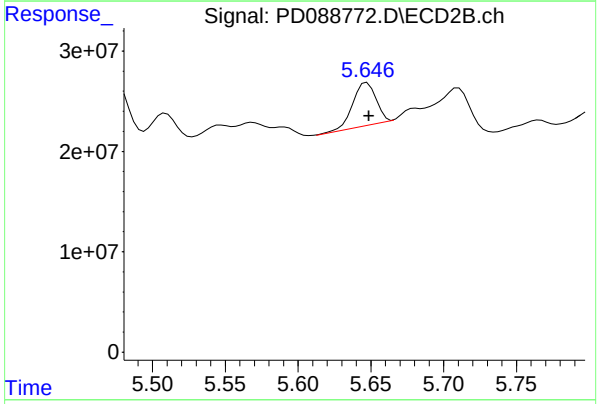
R.T.: 5.476 min
Delta R.T.: -0.002 min
Response: 68223913
Conc: 475.89 ng/ml



#3 Toxaphene-2

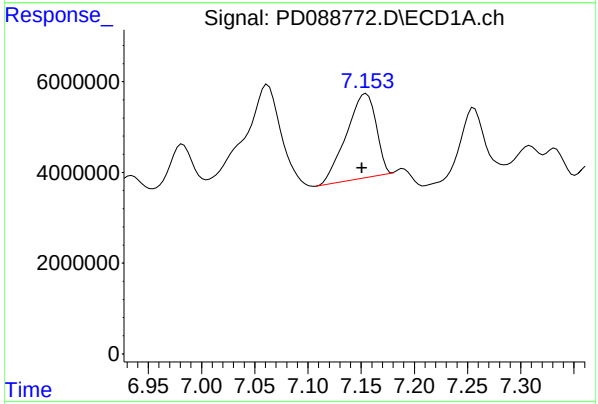
R.T.: 6.447 min
Delta R.T.: 0.004 min
Response: 19310669
Conc: 496.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500



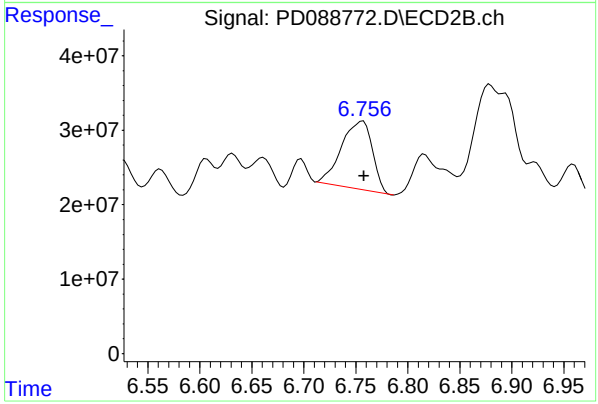
#3 Toxaphene-2

R.T.: 5.647 min
Delta R.T.: -0.001 min
Response: 47287925
Conc: 474.73 ng/ml



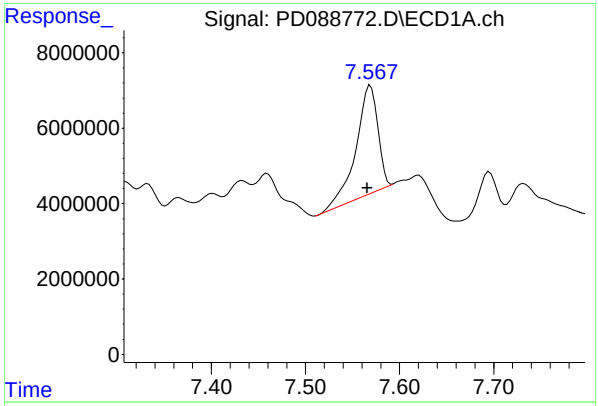
#4 Toxaphene-3

R.T.: 7.155 min
Delta R.T.: 0.004 min
Response: 36110370
Conc: 487.92 ng/ml



#4 Toxaphene-3

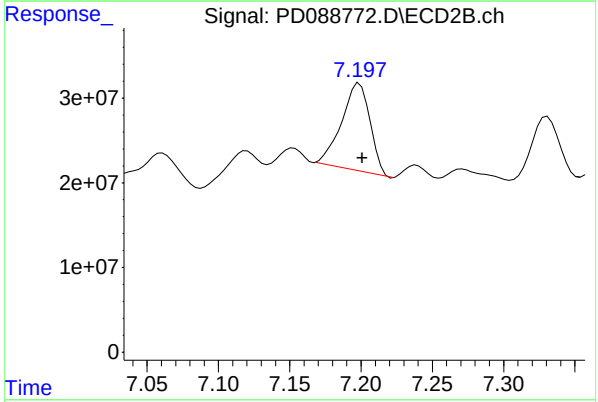
R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 189395153
Conc: 419.53 ng/ml



#5 Toxaphene-4

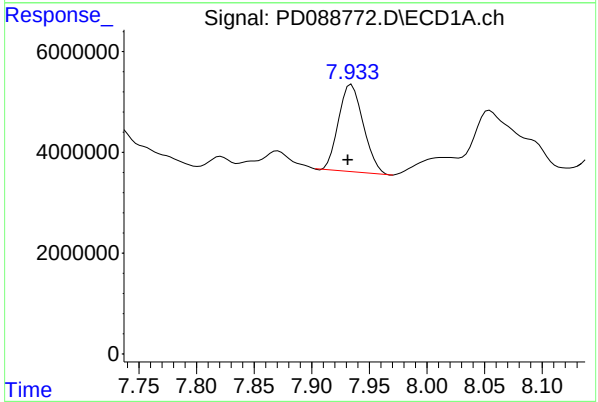
R.T.: 7.569 min
Delta R.T.: 0.004 min
Response: 46210733
Conc: 490.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500



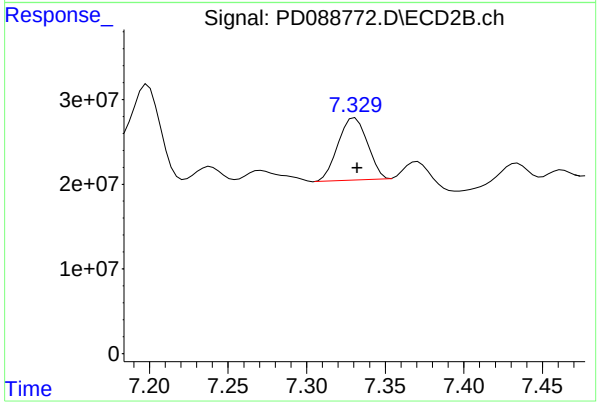
#5 Toxaphene-4

R.T.: 7.199 min
Delta R.T.: -0.002 min
Response: 143679124
Conc: 446.29 ng/ml



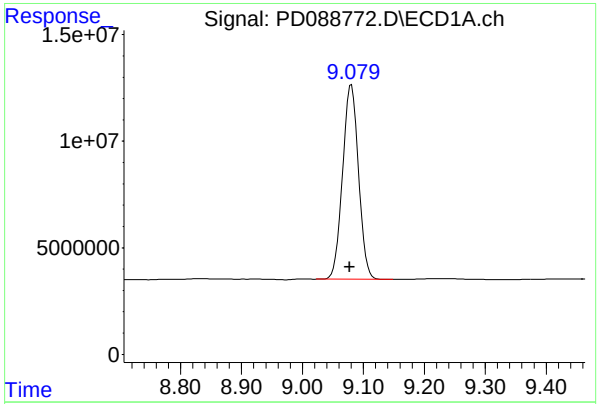
#6 Toxaphene-5

R.T.: 7.934 min
Delta R.T.: 0.003 min
Response: 25703770
Conc: 476.15 ng/ml



#6 Toxaphene-5

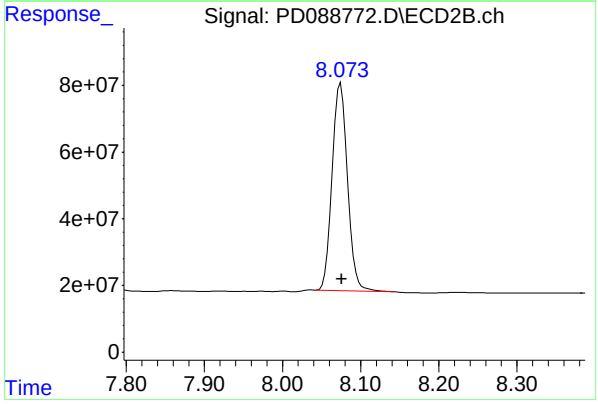
R.T.: 7.331 min
Delta R.T.: -0.001 min
Response: 95798953
Conc: 447.42 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.003 min
Response: 165975342
Conc: 47.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500



#7 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 853501064
Conc: 45.34 ng/ml

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/29/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 16:04 **Initial Calibration Time(s):** 13:47 14:41

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Toxaphene-1	(1)	6.24	6.24	6.14	6.34	0.00
Toxaphene-2	(2)	6.44	6.44	6.34	6.54	0.00
Toxaphene-3	(3)	7.15	7.15	7.05	7.25	0.00
Toxaphene-4	(4)	7.56	7.57	7.47	7.67	0.01
Toxaphene-5	(5)	7.93	7.93	7.83	8.03	0.00
Decachlorobiphenyl		9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene		3.55	3.55	3.45	3.65	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Continuing Calib Date: 05/29/2025 **Initial Calibration Date(s):** 05/19/2025 05/19/2025

Continuing Calib Time: 16:04 **Initial Calibration Time(s):** 13:47 14:41

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Toxaphene-1	(1)	5.48	5.48	5.38	5.58	0.01
Toxaphene-2	(2)	5.65	5.65	5.55	5.75	0.00
Toxaphene-3	(3)	6.76	6.76	6.66	6.86	0.00
Toxaphene-4	(4)	7.20	7.20	7.10	7.30	0.00
Toxaphene-5	(5)	7.33	7.33	7.23	7.43	0.00
Decachlorobiphenyl		8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene		2.88	2.88	2.78	2.98	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/29/2025

Lab Sample No.: PTOXCCC500 **Data File :** PD088778.D **Time Analyzed:** 16:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.978	9.178	50.480	50.000	1.0
Tetrachloro-m-xylene	3.549	3.451	3.651	52.600	50.000	5.2
Toxaphene-1	6.241	6.144	6.344	522.650	500.000	4.5
Toxaphene-2	6.442	6.344	6.544	540.630	500.000	8.1
Toxaphene-3	7.148	7.051	7.251	500.090	500.000	0.0
Toxaphene-4	7.564	7.466	7.666	494.920	500.000	-1.0
Toxaphene-5	7.929	7.832	8.032	494.990	500.000	-1.0

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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/19/2025 05/19/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/29/2025

Lab Sample No.: PTOXCCC500 **Data File :** PD088778.D **Time Analyzed:** 16:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.073	7.976	8.176	47.030	50.000	-5.9
Tetrachloro-m-xylene	2.881	2.782	2.982	50.480	50.000	1.0
Toxaphene-1	5.475	5.378	5.578	500.960	500.000	0.2
Toxaphene-2	5.646	5.549	5.749	492.980	500.000	-1.4
Toxaphene-3	6.756	6.659	6.859	479.250	500.000	-4.2
Toxaphene-4	7.198	7.101	7.301	464.150	500.000	-7.2
Toxaphene-5	7.329	7.232	7.432	464.670	500.000	-7.1

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088778.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 16:04
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:56:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.549	2.881	118.3E6	795.7E6	52.597	50.478
7) SA	Decachlor...	9.073	8.073	177.8E6	885.3E6	50.478	47.028
	Target Compounds						
2)	Toxaphene-1	6.241	5.475	14437357	71819114	522.651	500.963
3)	Toxaphene-2	6.442	5.646	21011943	49106236	540.628	492.983
4)	Toxaphene-3	7.148	6.756	37011590	216.4E6	500.092	479.254
5)	Toxaphene-4	7.564	7.198	46637657	149.4E6	494.925	464.150
6)	Toxaphene-5	7.929	7.329	26720631	99493149	494.988	464.672

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

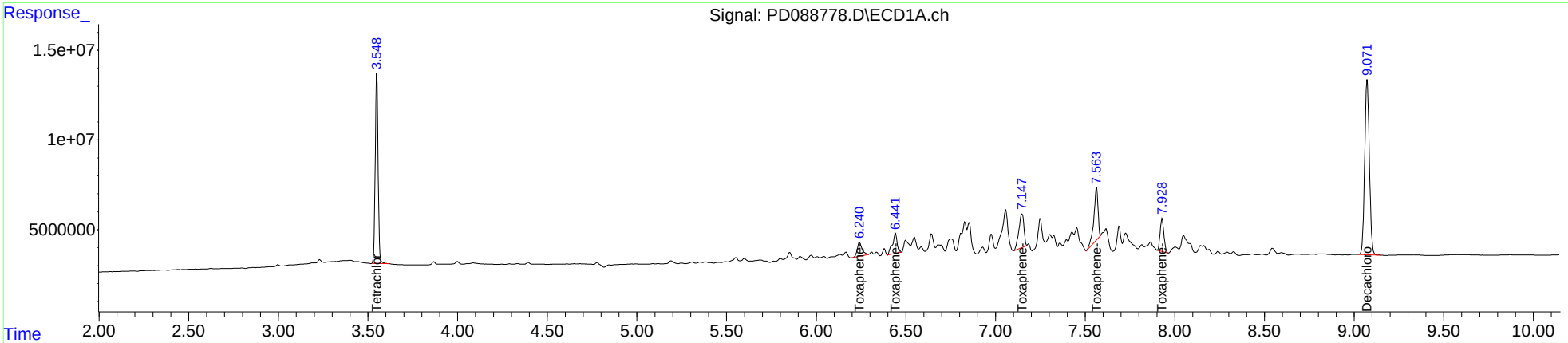
Quantitation Report (QT Reviewed)

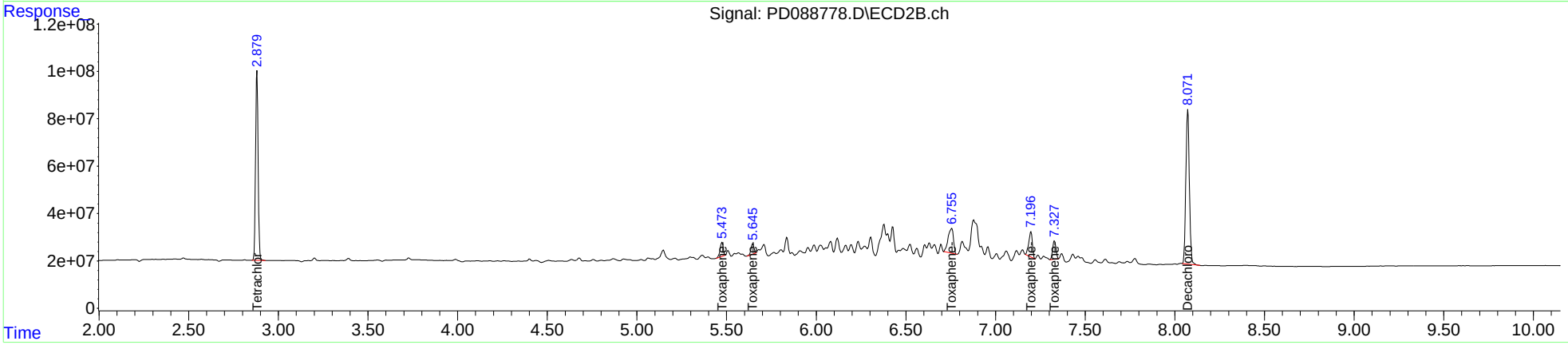
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088778.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 16:04
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

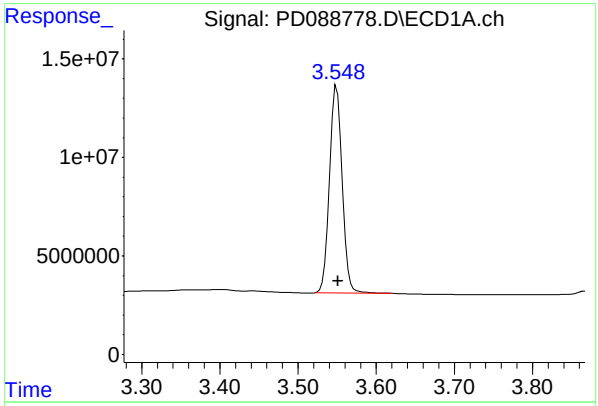
Instrument : ECD_D
ClientSampleId : PTOXCCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:56:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 x 0. Signal #2 Info : 30M x 0.32mm x0.25µm



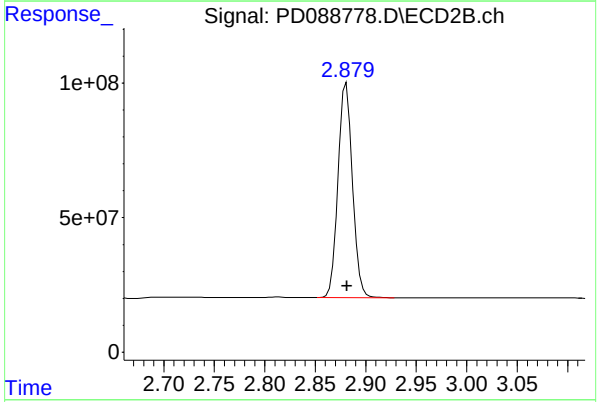




#1 Tetrachloro-m-xylene

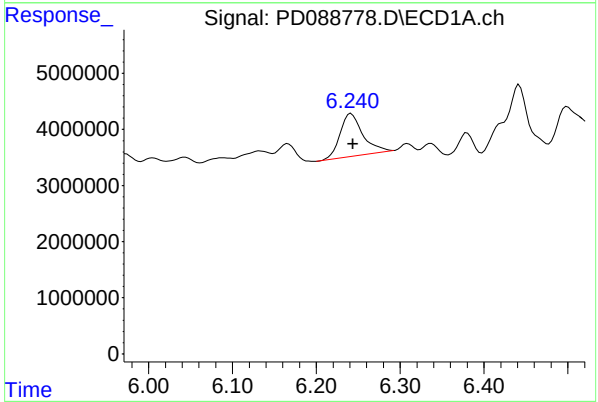
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 118343364
Conc: 52.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500



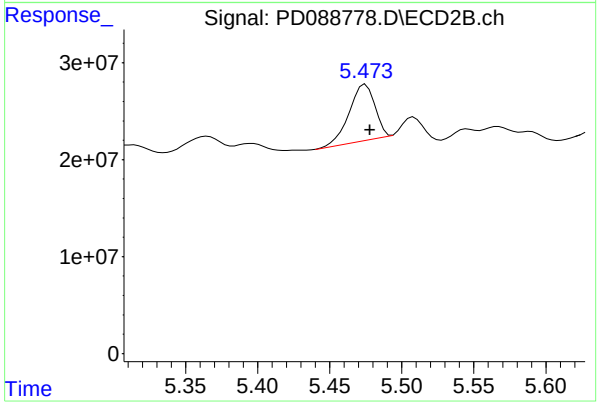
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 795675650
Conc: 50.48 ng/ml



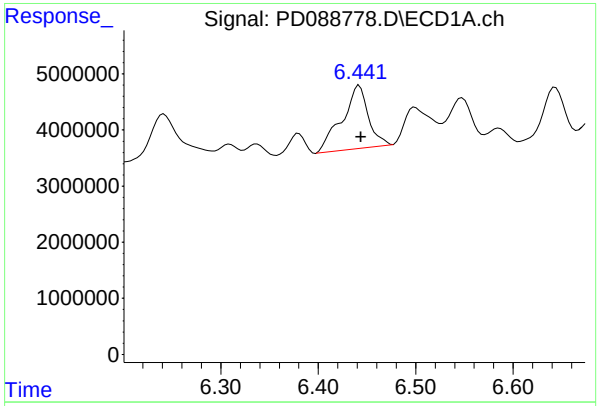
#2 Toxaphene-1

R.T.: 6.241 min
Delta R.T.: -0.002 min
Response: 14437357
Conc: 522.65 ng/ml



#2 Toxaphene-1

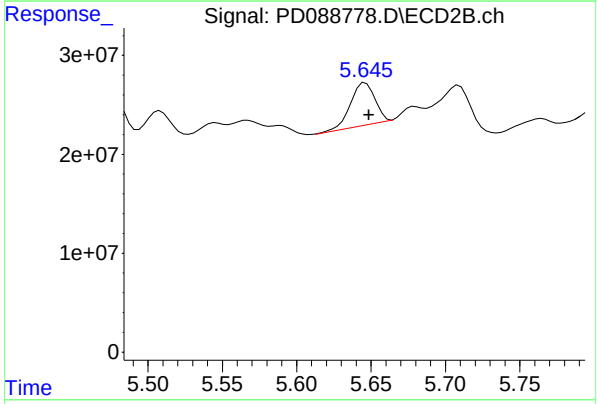
R.T.: 5.475 min
Delta R.T.: -0.003 min
Response: 71819114
Conc: 500.96 ng/ml



#3 Toxaphene-2

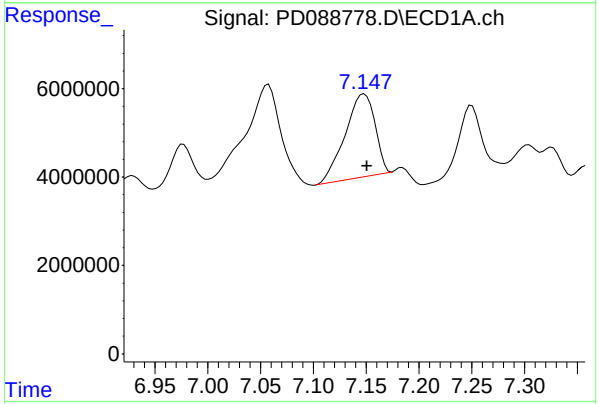
R.T.: 6.442 min
Delta R.T.: -0.002 min
Response: 21011943
Conc: 540.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500



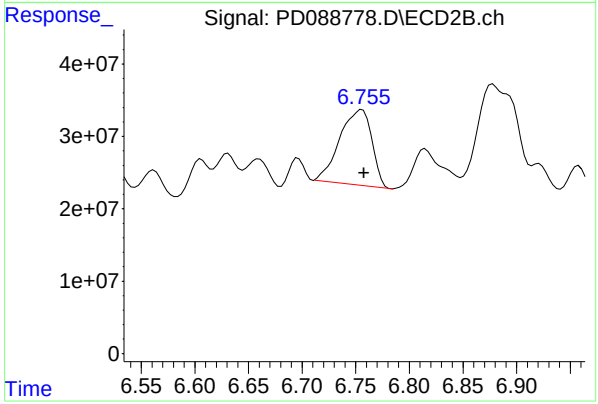
#3 Toxaphene-2

R.T.: 5.646 min
Delta R.T.: -0.002 min
Response: 49106236
Conc: 492.98 ng/ml



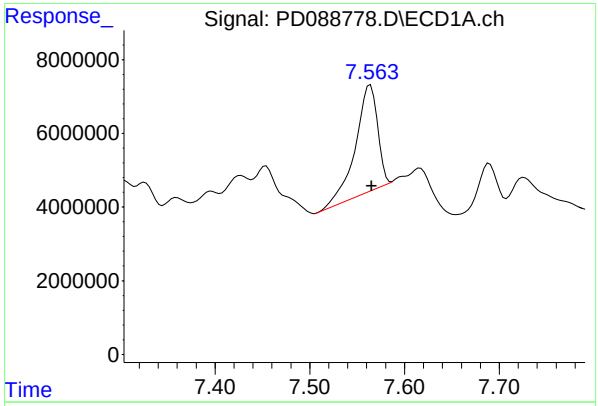
#4 Toxaphene-3

R.T.: 7.148 min
Delta R.T.: -0.003 min
Response: 37011590
Conc: 500.09 ng/ml



#4 Toxaphene-3

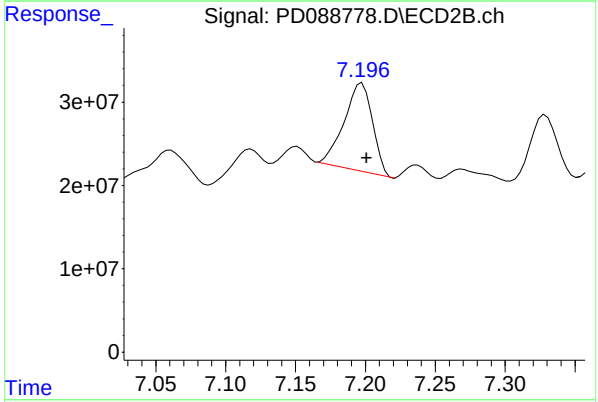
R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 216359137
Conc: 479.25 ng/ml



#5 Toxaphene-4

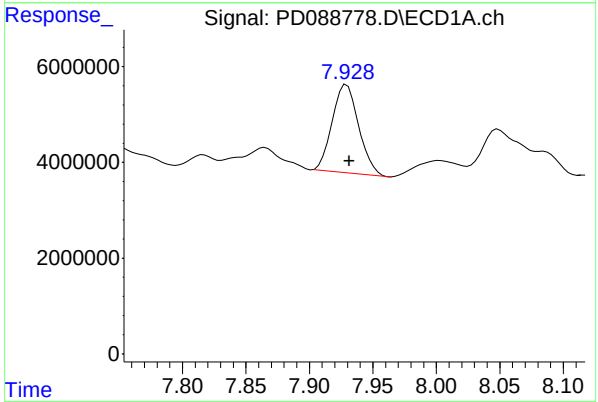
R.T.: 7.564 min
Delta R.T.: -0.002 min
Response: 46637657
Conc: 494.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500



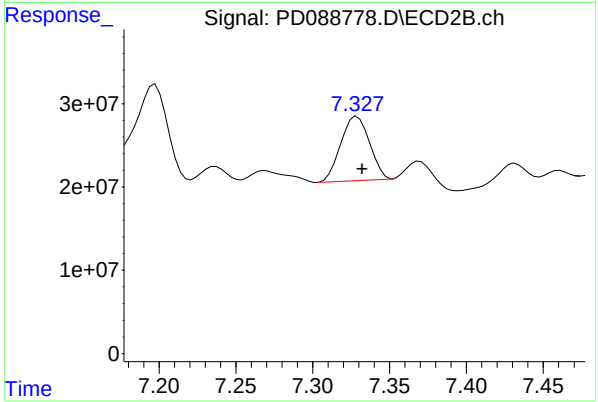
#5 Toxaphene-4

R.T.: 7.198 min
Delta R.T.: -0.003 min
Response: 149429956
Conc: 464.15 ng/ml



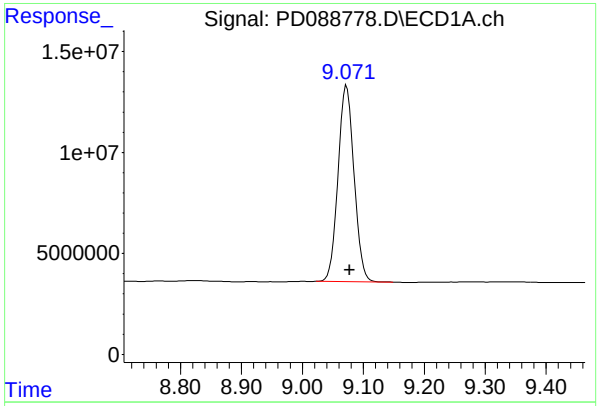
#6 Toxaphene-5

R.T.: 7.929 min
Delta R.T.: -0.002 min
Response: 26720631
Conc: 494.99 ng/ml



#6 Toxaphene-5

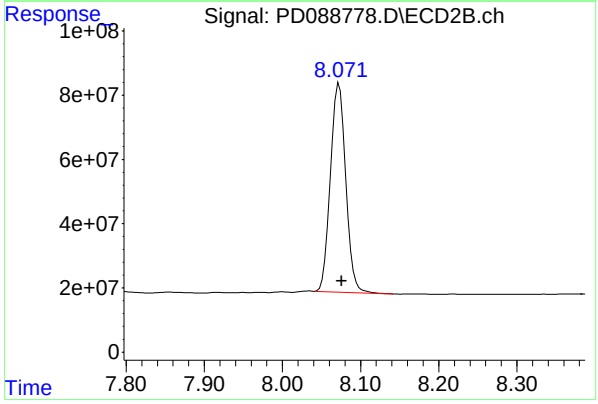
R.T.: 7.329 min
Delta R.T.: -0.003 min
Response: 99493149
Conc: 464.67 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.005 min
Response: 177762657
Conc: 50.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXCCC500



#7 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.003 min
Response: 885315487
Conc: 47.03 ng/ml

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Analytical Sequence

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1872

Project: NJ Soil PT **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	10:50	PD088583.D	9.08	3.55
PTOXICC1000	PTOXICC1000	05/19/2025	13:47	PD088596.D	9.08	3.55
PTOXICC750	PTOXICC750	05/19/2025	14:00	PD088597.D	9.08	3.55
PTOXICC500	PTOXICC500	05/19/2025	14:14	PD088598.D	9.08	3.55
PTOXICC250	PTOXICC250	05/19/2025	14:27	PD088599.D	9.08	3.55
PTOXICC100	PTOXICC100	05/19/2025	14:41	PD088600.D	9.08	3.55
I.BLK	I.BLK	05/29/2025	09:05	PD088769.D	9.07	3.55
PTOXCCC500	PTOXCCC500	05/29/2025	13:32	PD088772.D	9.08	3.56
PB168153BL	PB168153BL	05/29/2025	13:49	PD088773.D	9.08	3.55
PB168153BS	PB168153BS	05/29/2025	14:32	PD088774.D	9.08	3.56
HW0425-PT-TXP-SOIL	Q1872-22	05/29/2025	15:01	PD088775.D	9.08	3.55
I.BLK	I.BLK	05/29/2025	15:36	PD088776.D	9.08	3.56
PTOXCCC500	PTOXCCC500	05/29/2025	16:04	PD088778.D	9.07	3.55

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Fax : 908 789 8922

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1872

Project: NJ Soil PT **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/19/2025 05/19/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	05/19/2025	10:50	PD088583.D	8.08	2.88
PTOXICC1000	PTOXICC1000	05/19/2025	13:47	PD088596.D	8.08	2.88
PTOXICC750	PTOXICC750	05/19/2025	14:00	PD088597.D	8.08	2.88
PTOXICC500	PTOXICC500	05/19/2025	14:14	PD088598.D	8.08	2.88
PTOXICC250	PTOXICC250	05/19/2025	14:27	PD088599.D	8.08	2.88
PTOXICC100	PTOXICC100	05/19/2025	14:41	PD088600.D	8.08	2.88
I.BLK	I.BLK	05/29/2025	09:05	PD088769.D	8.07	2.88
PTOXCCC500	PTOXCCC500	05/29/2025	13:32	PD088772.D	8.07	2.88
PB168153BL	PB168153BL	05/29/2025	13:49	PD088773.D	8.07	2.88
PB168153BS	PB168153BS	05/29/2025	14:32	PD088774.D	8.08	2.88
HW0425-PT-TXP-SOIL	Q1872-22	05/29/2025	15:01	PD088775.D	8.07	2.88
I.BLK	I.BLK	05/29/2025	15:36	PD088776.D	8.08	2.88
PTOXCCC500	PTOXCCC500	05/29/2025	16:04	PD088778.D	8.07	2.88

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

HW0425-PT-TXP-SOIL

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Lab Sample ID: Q1872-22 **Date(s) Analyzed:** 05/29/2025 05/29/2025

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
Toxaphene	1	7.07	7.02	7.12	102	9.3
	2	6.48	6.43	6.53	112	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168153BS

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872

Lab Sample ID: PB168153BS **Date(s) Analyzed:** 05/29/2025 05/29/2025

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
Toxaphene	1	7.07	7.02	7.12	71.6	4.7
	2	6.48	6.43	6.53	68.3	

QC SAMPLE DATA

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168153BL	SDG No.:	Q1872
Lab Sample ID:	PB168153BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group3
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088773.D	1	05/23/25 09:20	05/29/25 13:49	PB168153

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.3		20 - 144	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		19 - 148	98%	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\PD053025\
Data File : PD088773.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 13:49
Operator : AR\AJ
Sample : PB168153BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168153BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:55:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 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...	3.553	2.880	42413780	308.6E6	18.851	19.578
7)	SA Decachlor...	9.077	8.074	71608728	366.2E6	20.334	19.452
	Target Compounds						

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

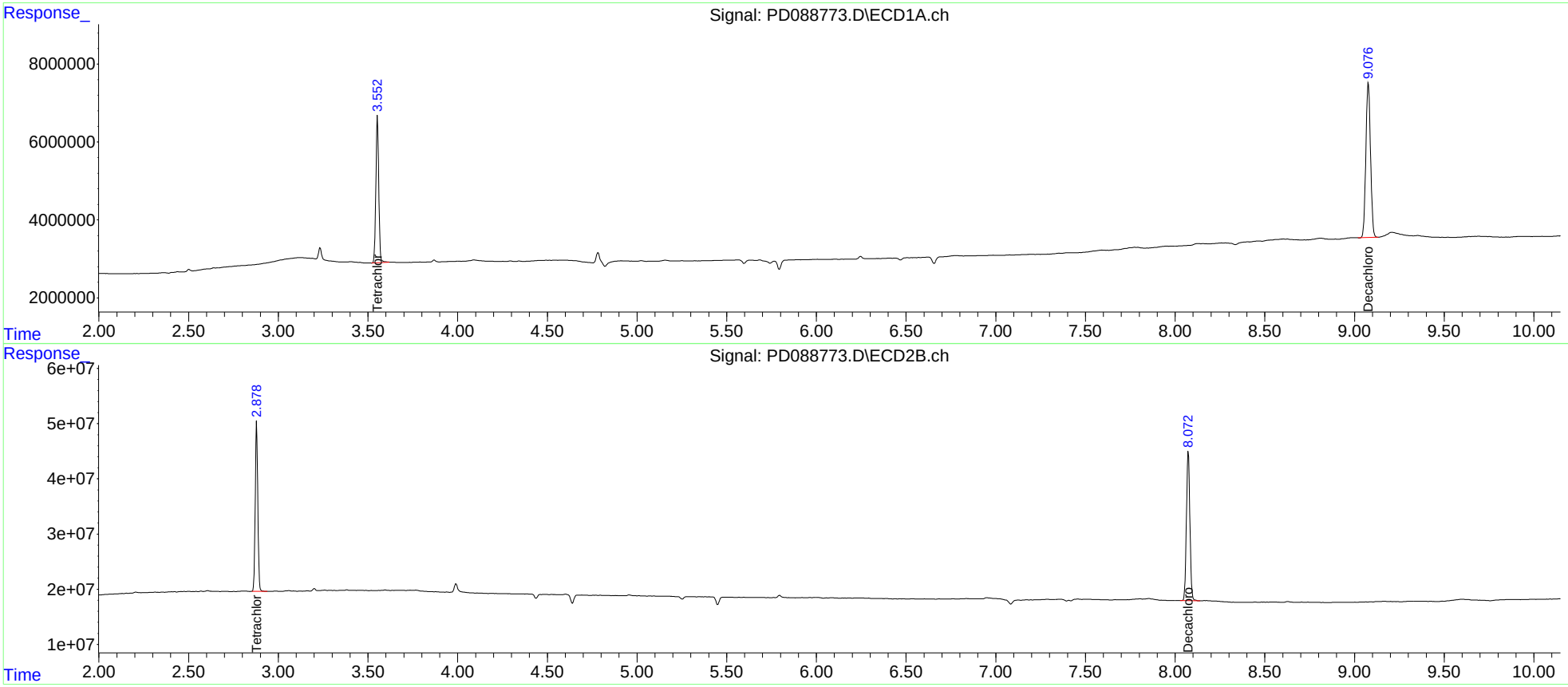
Quantitation Report (QT Reviewed)

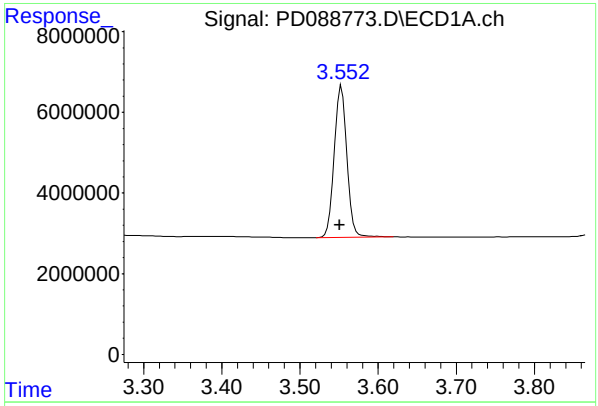
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088773.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 13:49
Operator : AR\AJ
Sample : PB168153BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168153BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:55:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

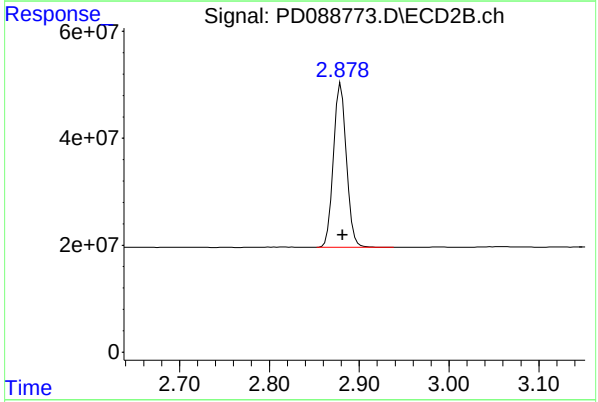




#1 Tetrachloro-m-xylene

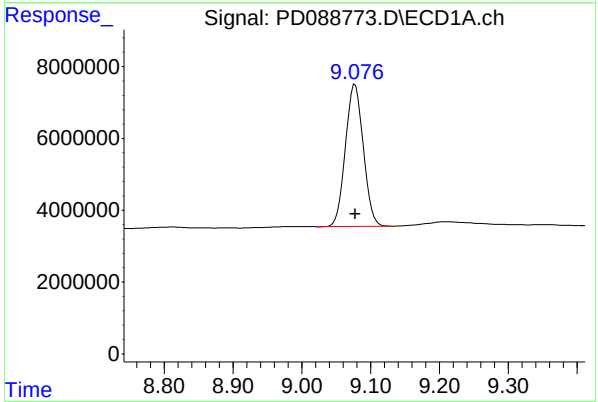
R.T.: 3.553 min
Delta R.T.: 0.002 min
Response: 42413780
Conc: 18.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168153BL



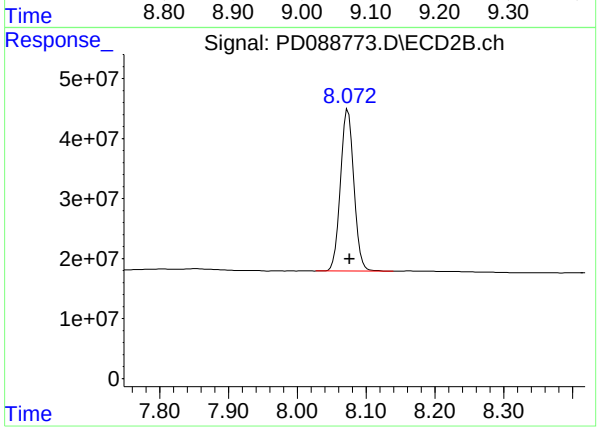
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 308599128
Conc: 19.58 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 71608728
Conc: 20.33 ng/ml



#7 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 366195402
Conc: 19.45 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/19/25
Project:	NJ Soil PT	Date Received:	05/19/25
Client Sample ID:	PIBLK-PD088583.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PD088583.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group3
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088583.D	1		05/19/25	PD051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.4		57 - 171	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		61 - 148	84%	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\PD051925\
Data File : PD088583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:59:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 13:57:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	35746806	254.9E6	16.521	16.853
28)	SA Decachlor...	9.076	8.075	63010697	329.2E6	18.412	18.033
	Target Compounds						

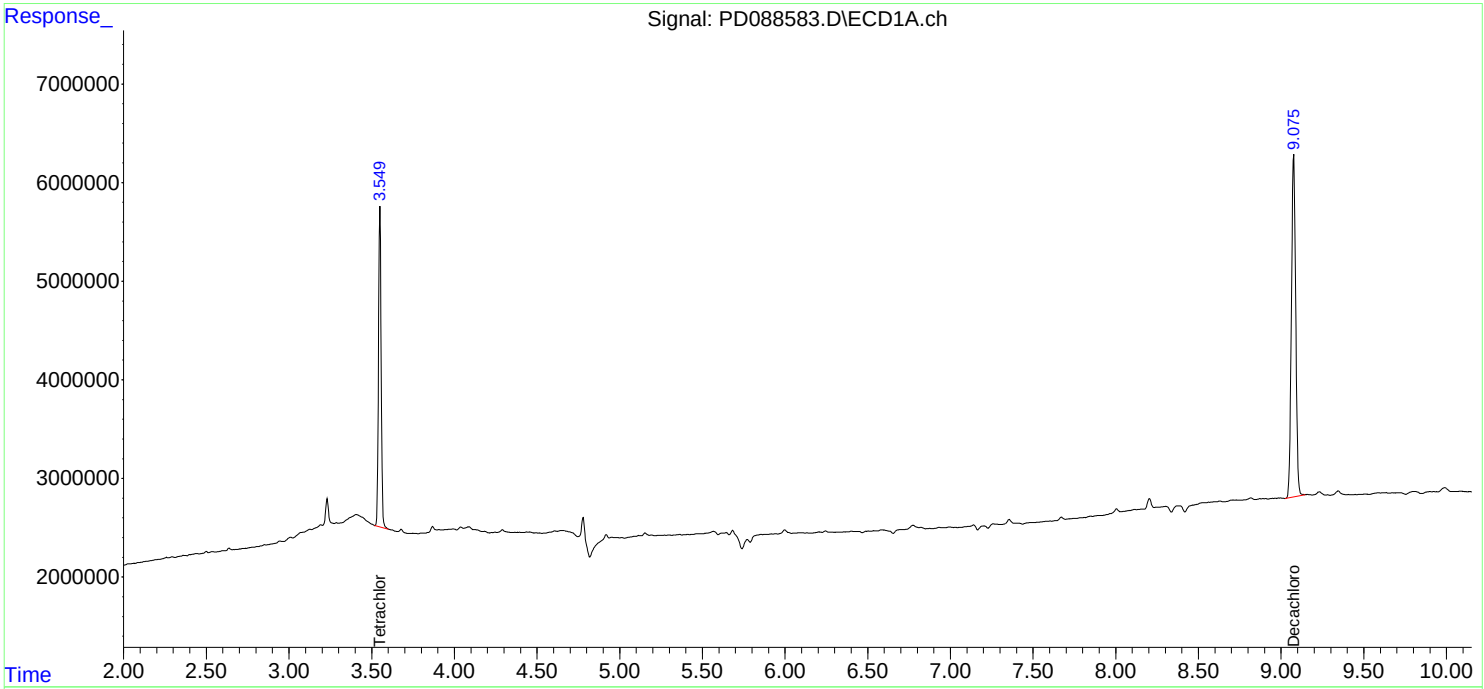
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

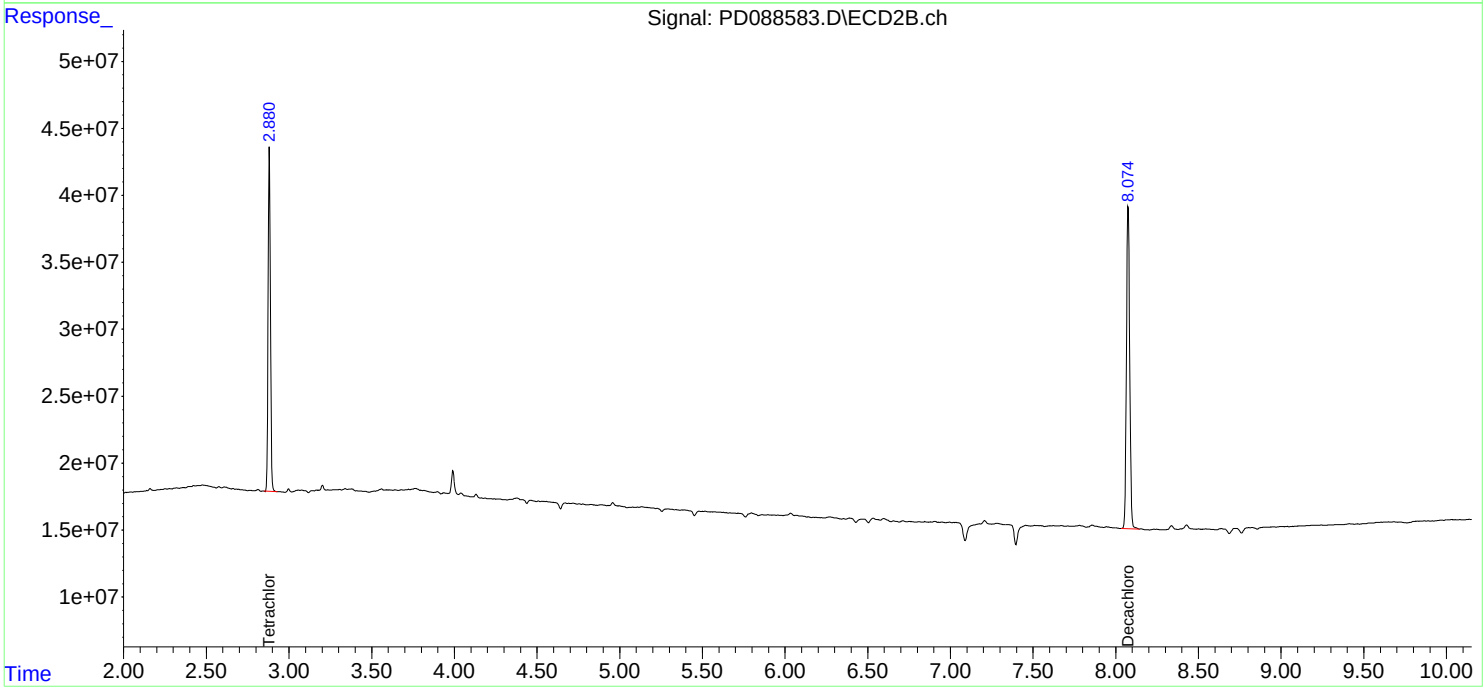
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

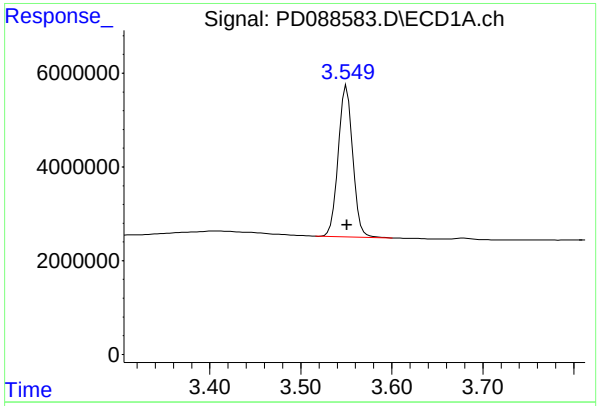
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:59:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 13:57:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



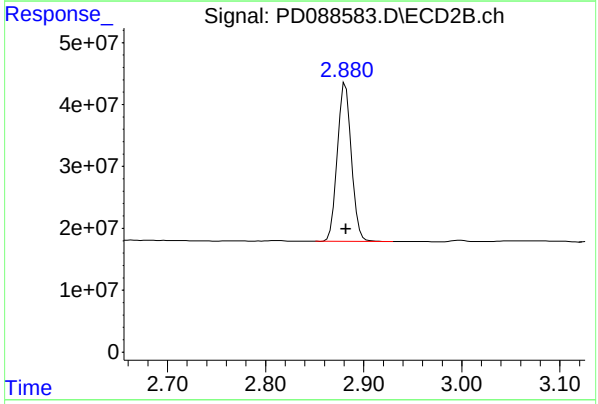




#1 Tetrachloro-m-xylene

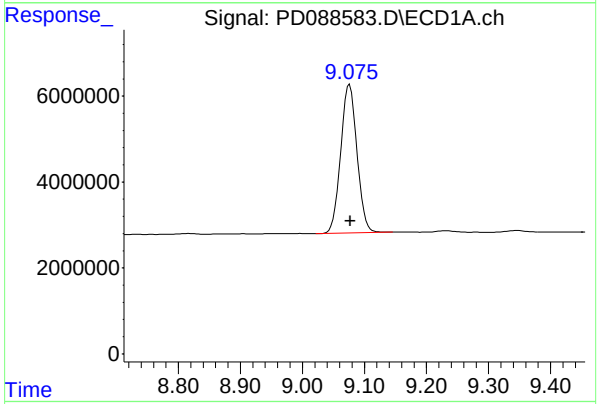
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 35746806
Conc: 16.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



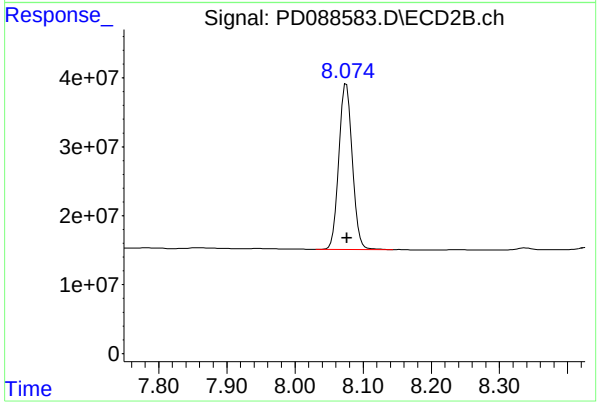
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 254929040
Conc: 16.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: -0.001 min
Response: 63010697
Conc: 18.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 329217471
Conc: 18.03 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/29/25
Project:	NJ Soil PT	Date Received:	05/29/25
Client Sample ID:	PIBLK-PD088769.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PD088769.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group3
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088769.D	1		05/29/25	PD053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.7		57 - 171	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		61 - 148	111%	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)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 09:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.880	46615266	335.9E6	21.544	22.203
28)	SA Decachlor...	9.074	8.072	74124414	384.1E6	21.659	21.042
	Target Compounds						

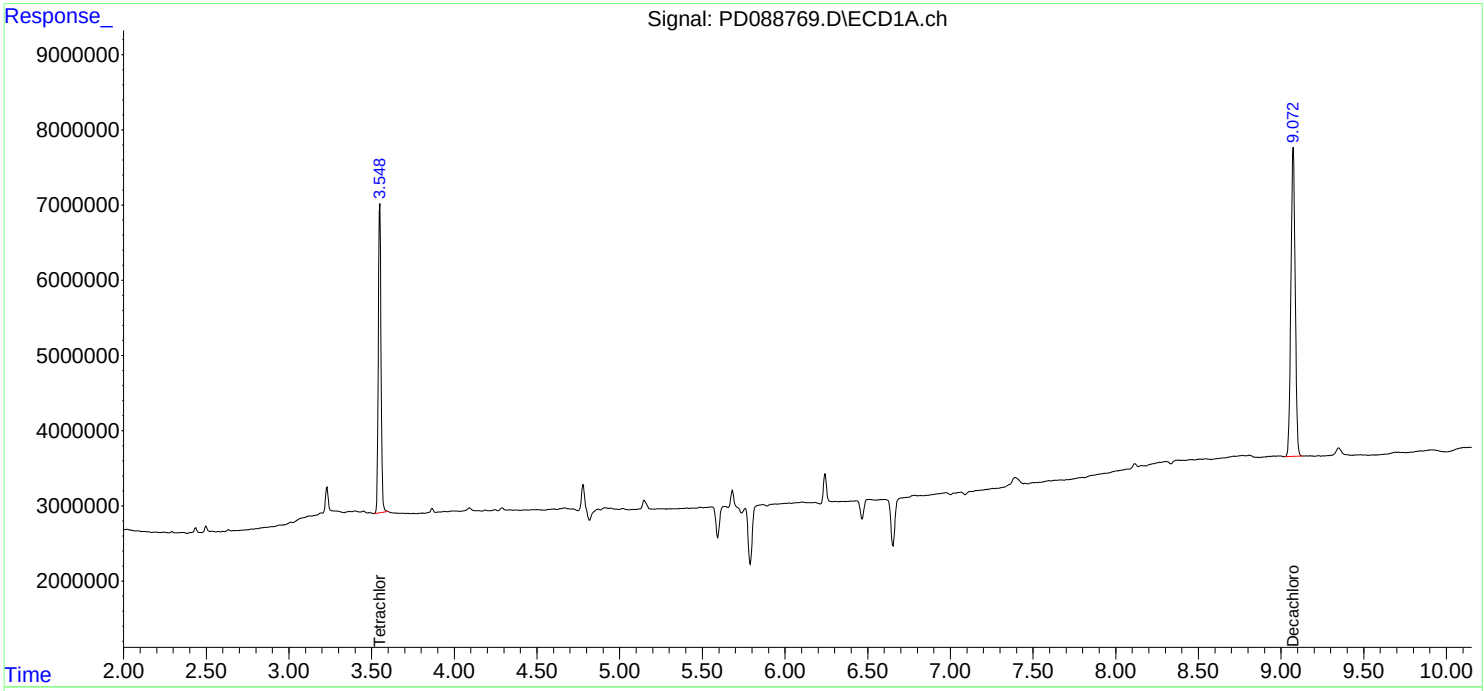
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

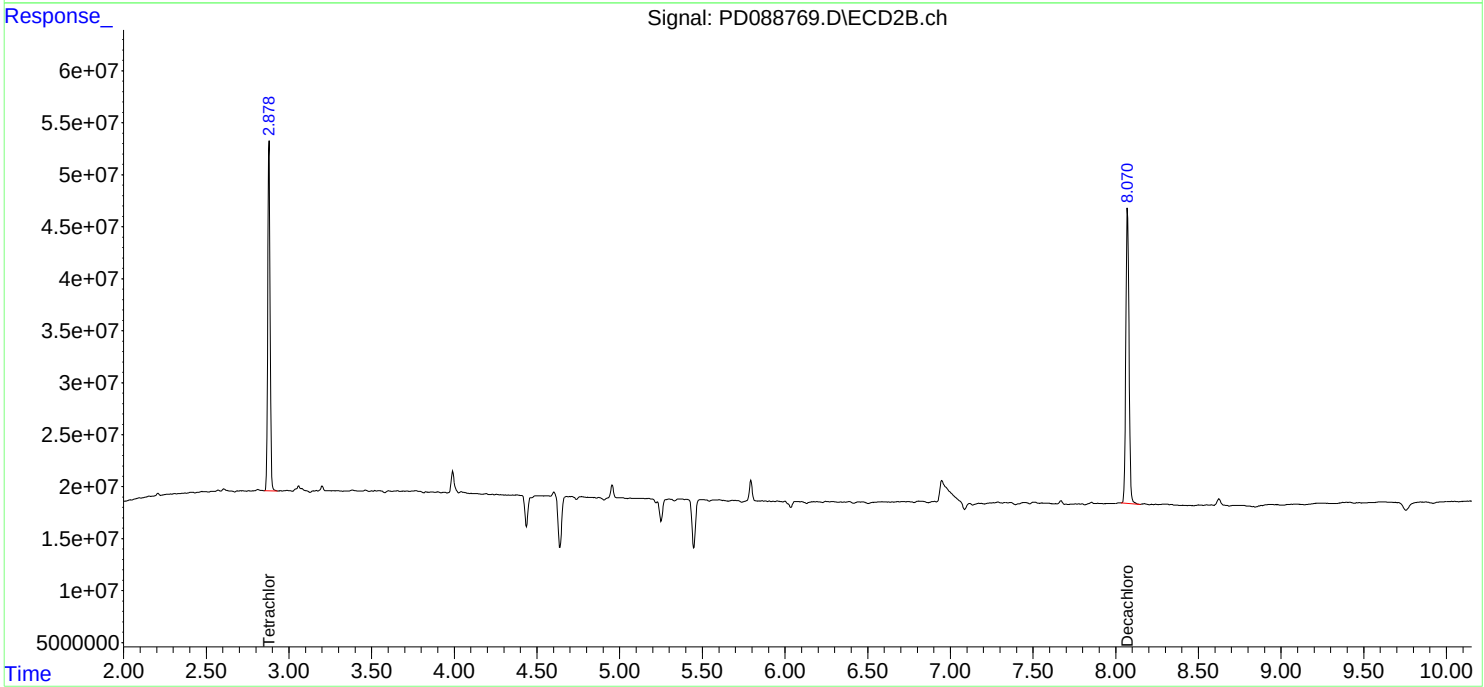
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 09:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

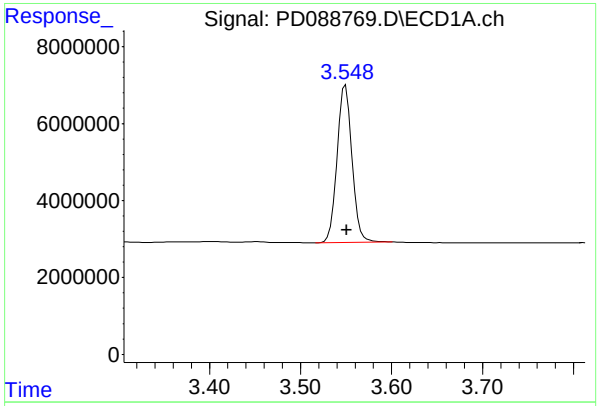
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



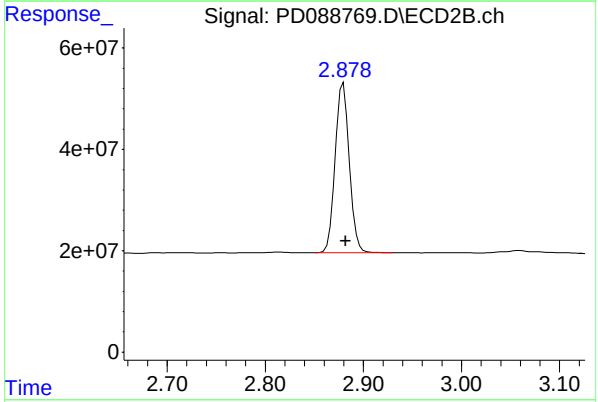




#1 Tetrachloro-m-xylene

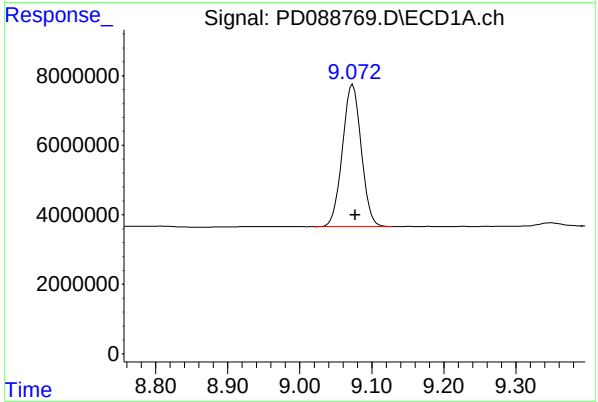
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 46615266
Conc: 21.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



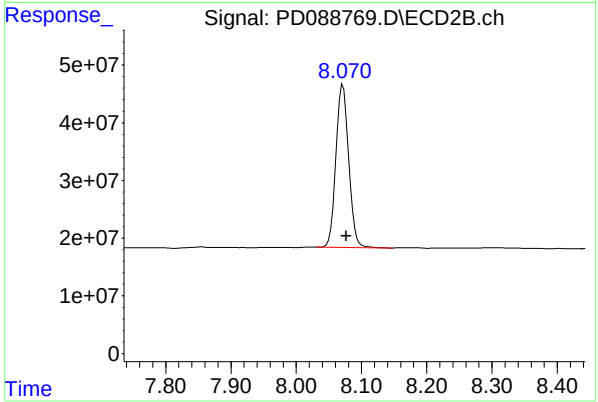
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 335868499
Conc: 22.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.004 min
Response: 74124414
Conc: 21.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 384146968
Conc: 21.04 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/29/25
Project:	NJ Soil PT	Date Received:	05/29/25
Client Sample ID:	PIBLK-PD088776.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PD088776.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group3
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088776.D	1		05/29/25	PD053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		57 - 171	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		61 - 148	114%	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)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088776.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 15:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:10:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm 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	2.880	47305568	344.6E6	21.863	22.781
28)	SA Decachlor...	9.080	8.075	75259137	390.0E6	21.991	21.360
	Target Compounds						

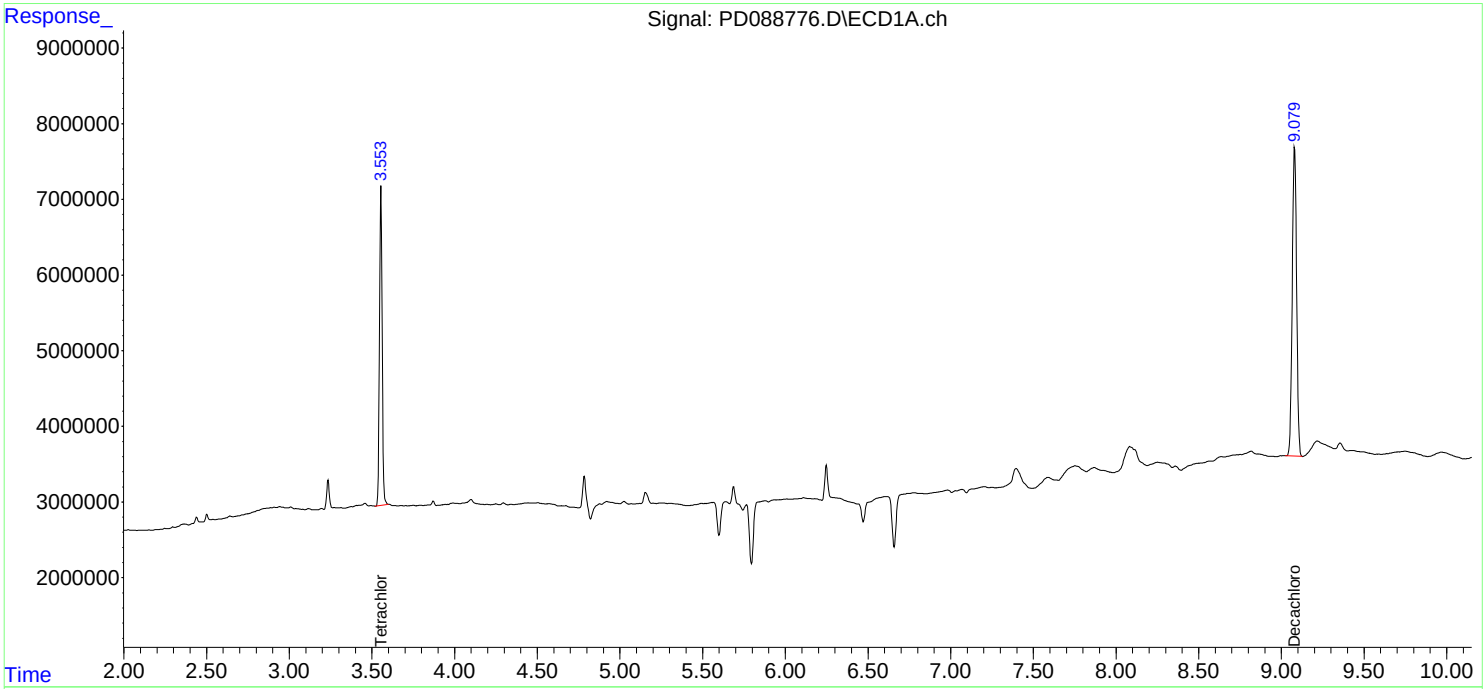
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

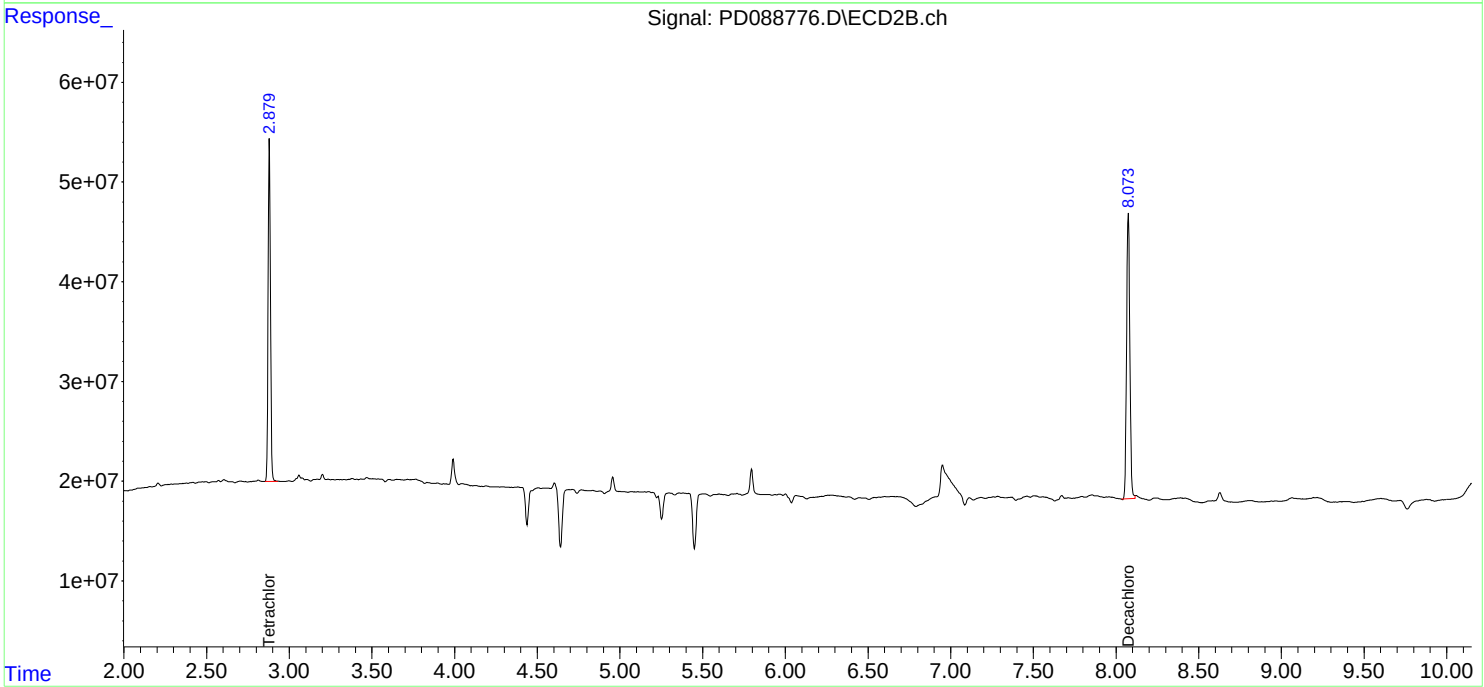
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088776.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 15:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

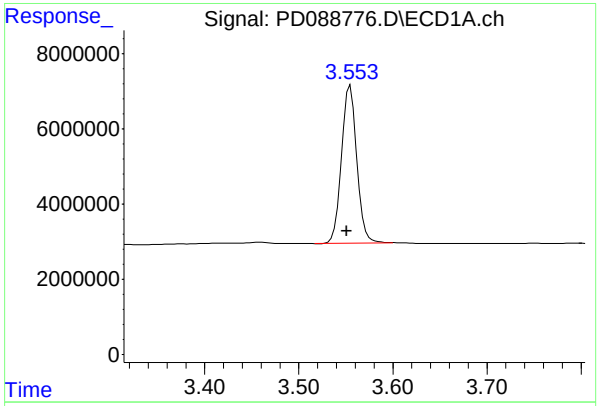
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:10:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



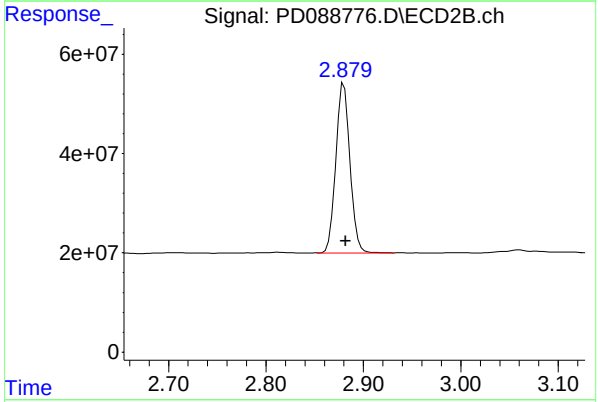




#1 Tetrachloro-m-xylene

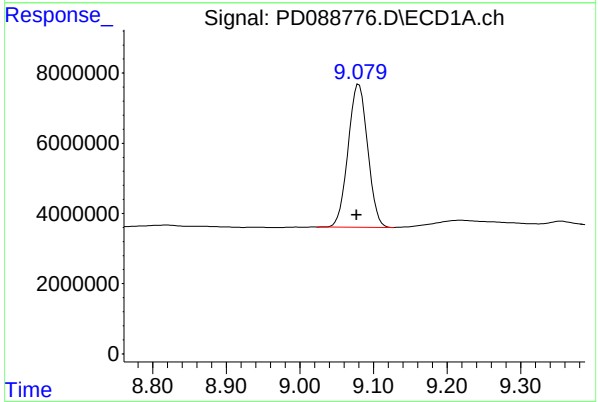
R.T.: 3.555 min
Delta R.T.: 0.004 min
Response: 47305568
Conc: 21.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
I,BLK



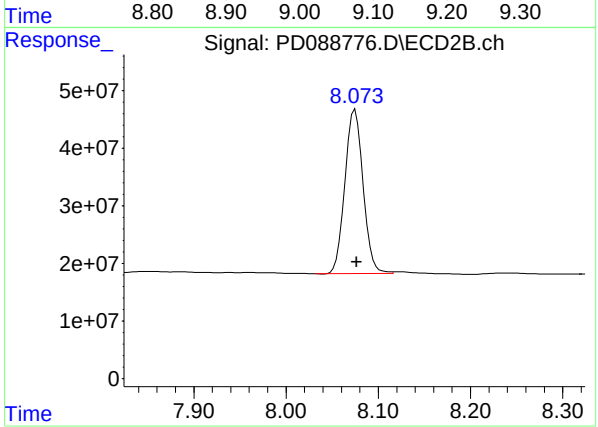
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 344601522
Conc: 22.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.003 min
Response: 75259137
Conc: 21.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 389960933
Conc: 21.36 ng/ml

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168153BS	SDG No.:	Q1872
Lab Sample ID:	PB168153BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group3
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088774.D	1	05/23/25 09:20	05/29/25 14:32	PB168153

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
8001-35-2	Toxaphene	71.6		5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		20 - 144	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		19 - 148	113%	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\PD053025\
Data File : PD088774.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 14:32
Operator : AR\AJ
Sample : PB168153BS
Misc : TOX/BS
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168153BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:55:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 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 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...	3.556	2.879	50685430	348.3E6	22.527	22.095
7) SA	Decachlor...	9.083	8.076	78132304	409.7E6	22.187	21.761
	Target Compounds						
2)	Toxaphene-1	6.250	5.476	6094003	31424340	220.611	219.196
3)	Toxaphene-2	6.450	5.648	9286646	22043551	238.941	221.297
4)	Toxaphene-3	7.157	6.758	15623789	89370467	211.105	197.963
5)	Toxaphene-4	7.572	7.201	18117921	64978820	192.270	201.833
6)	Toxaphene-5	7.936	7.331	11459725	39587424	212.286m	184.889m

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

Quantitation Report (QT Reviewed)

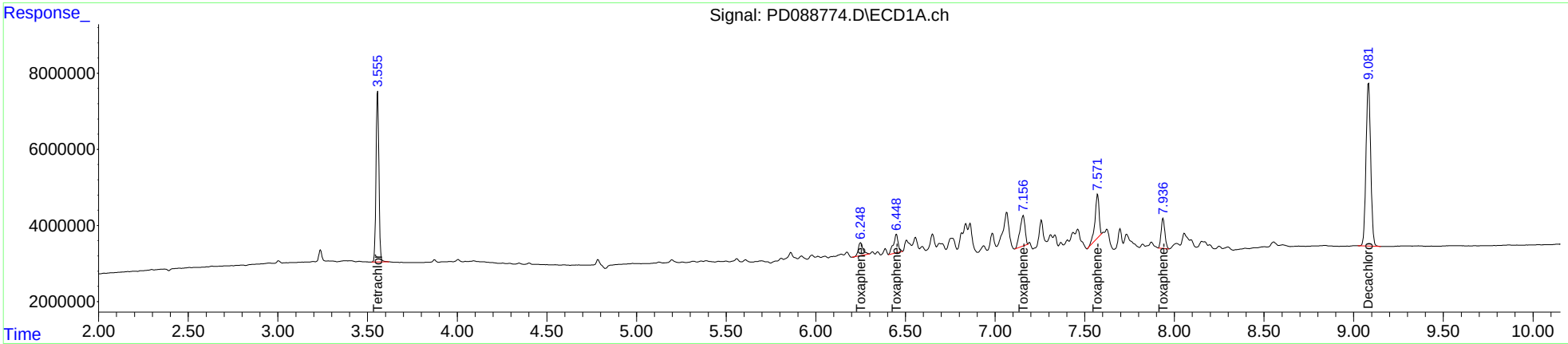
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
Data File : PD088774.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2025 14:32
Operator : AR\AJ
Sample : PB168153BS
Misc : TOX/BS
ALS Vial : 7 Sample Multiplier: 1

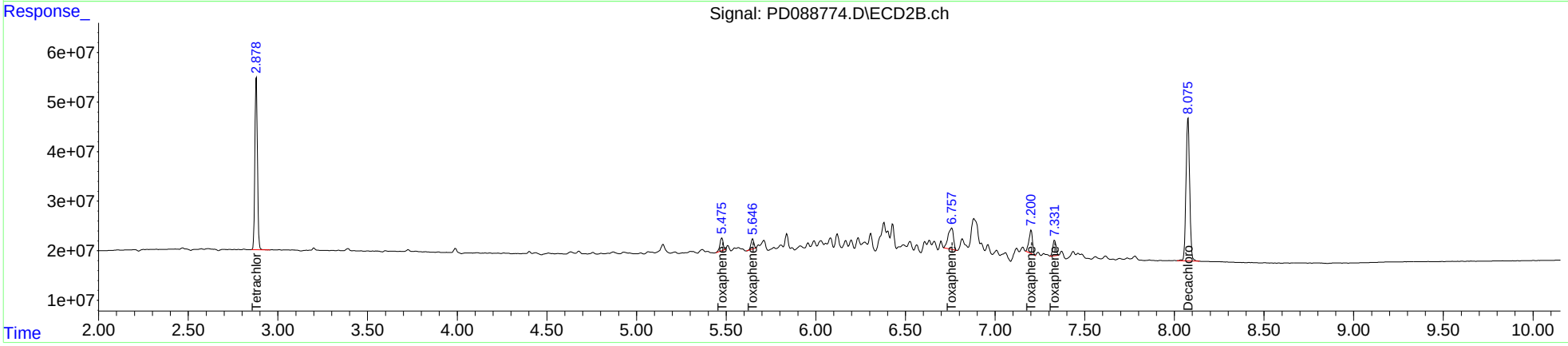
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 01:55:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:50:59 2025
Response via : Initial Calibration
Integrator: ChemStation

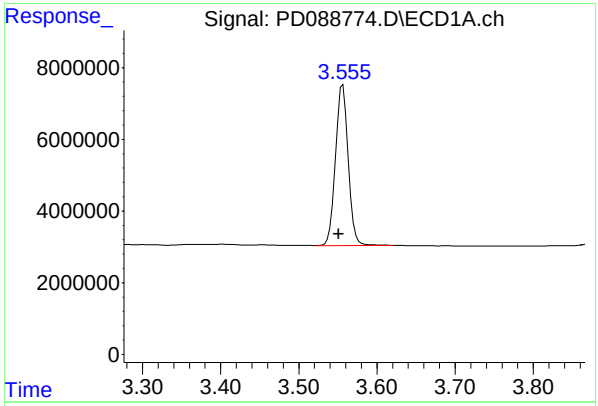
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm

Instrument :
ECD_D
ClientSampleId :
PB168153BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025







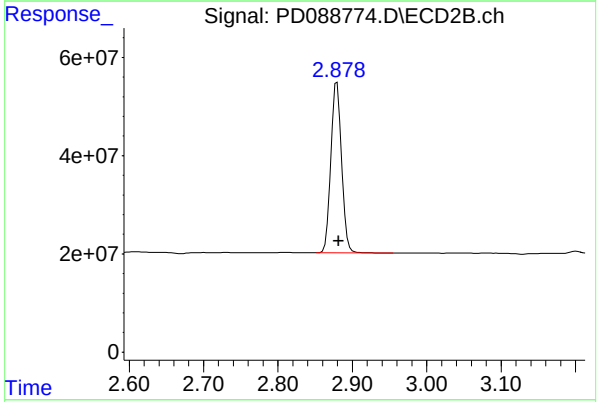
#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.005 min
Response: 50685430
Conc: 22.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168153BS

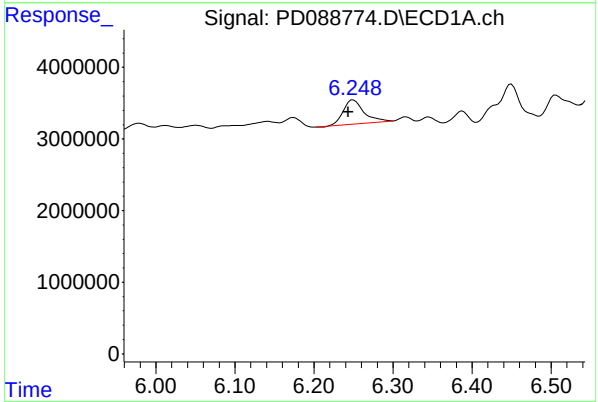
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



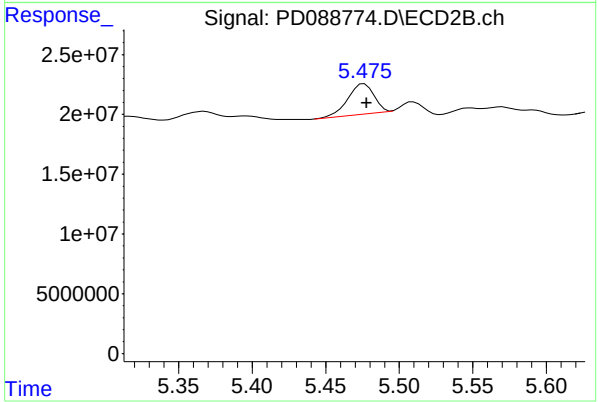
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 348281008
Conc: 22.10 ng/ml



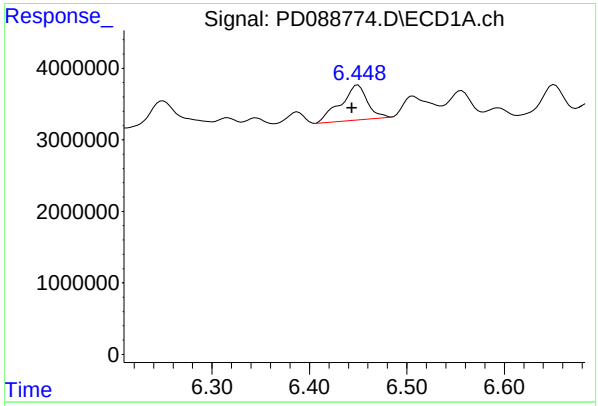
#2 Toxaphene-1

R.T.: 6.250 min
Delta R.T.: 0.006 min
Response: 6094003
Conc: 220.61 ng/ml



#2 Toxaphene-1

R.T.: 5.476 min
Delta R.T.: -0.002 min
Response: 31424340
Conc: 219.20 ng/ml



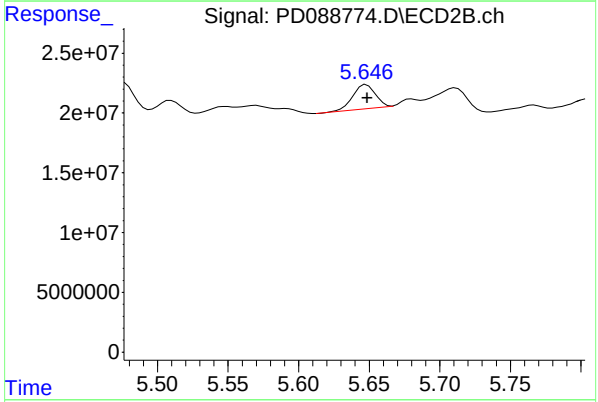
#3 Toxaphene-2

R.T.: 6.450 min
Delta R.T.: 0.006 min
Response: 9286646
Conc: 238.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168153BS

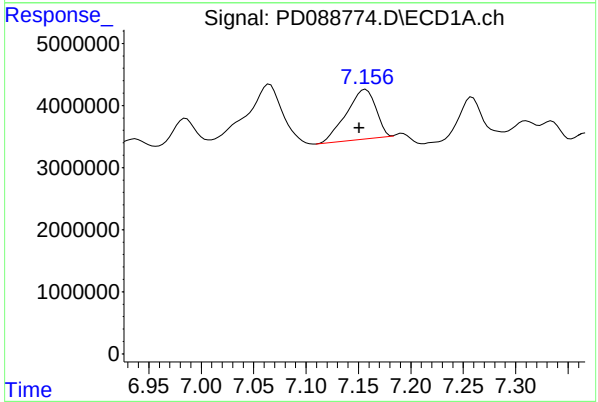
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



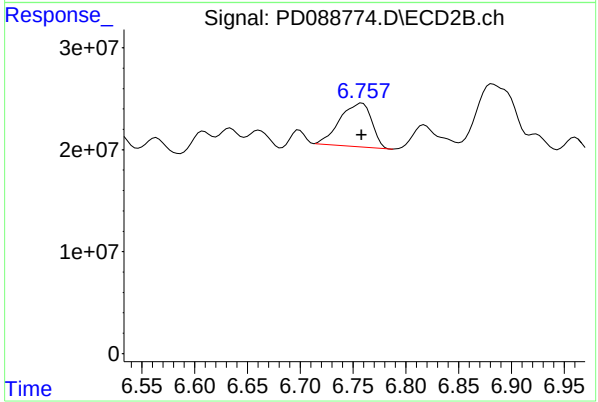
#3 Toxaphene-2

R.T.: 5.648 min
Delta R.T.: 0.000 min
Response: 22043551
Conc: 221.30 ng/ml



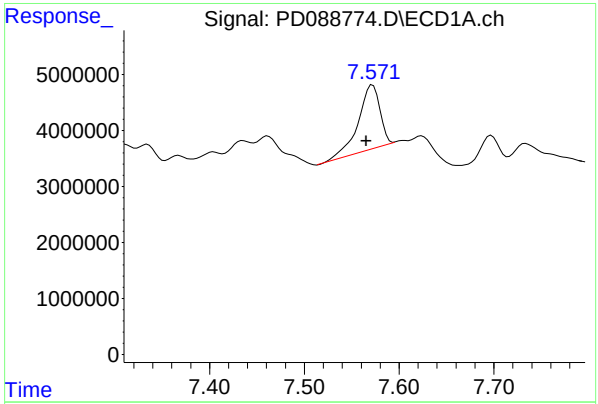
#4 Toxaphene-3

R.T.: 7.157 min
Delta R.T.: 0.006 min
Response: 15623789
Conc: 211.11 ng/ml



#4 Toxaphene-3

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 89370467
Conc: 197.96 ng/ml



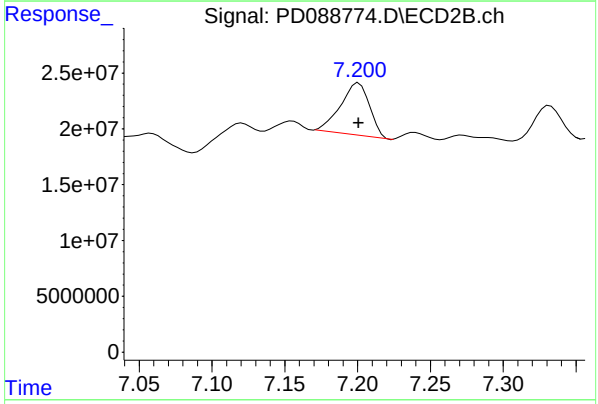
#5 Toxaphene-4

R.T.: 7.572 min
Delta R.T.: 0.006 mi
Response: 18117921
Conc: 192.27 ng/m

Instrument :
ECD_D
ClientSampleId :
PB168153BS

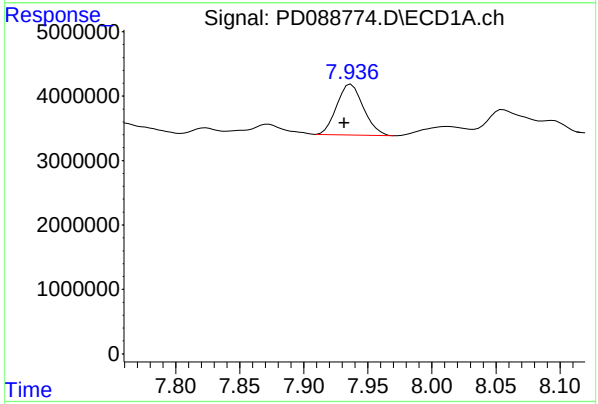
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



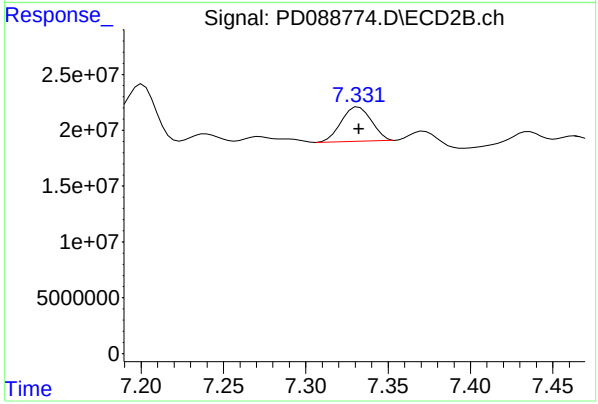
#5 Toxaphene-4

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 64978820
Conc: 201.83 ng/ml



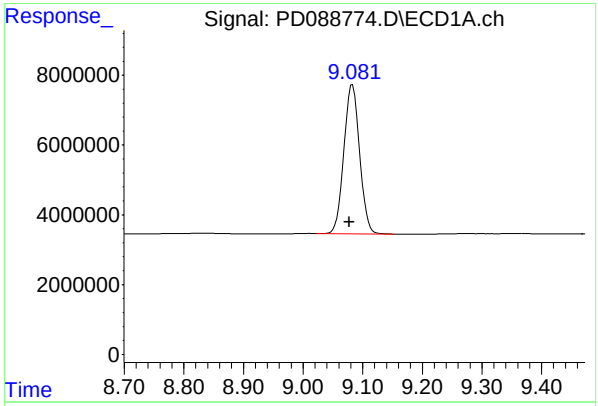
#6 Toxaphene-5

R.T.: 7.936 min
Delta R.T.: 0.004 min
Response: 11459725
Conc: 212.29 ng/ml m



#6 Toxaphene-5

R.T.: 7.331 min
Delta R.T.: -0.002 min
Response: 39587424
Conc: 184.89 ng/ml m



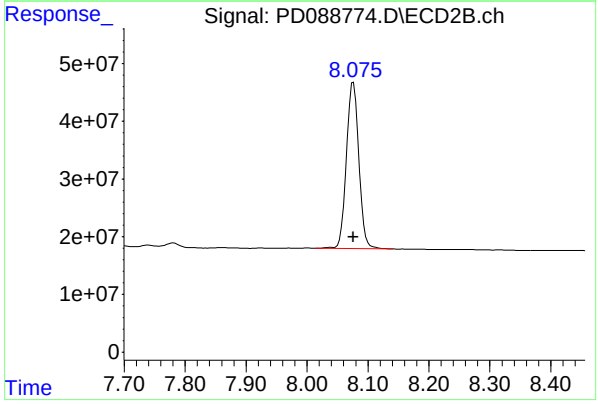
#7 Decachlorobiphenyl

R.T.: 9.083 min
Delta R.T.: 0.005 mi
Response: 78132304
Conc: 22.19 ng/m

Instrument :
ECD_D
ClientSampleId :
PB168153BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/30/2025
Supervised By :mohammad ahmed 05/30/2025



#7 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 409664164
Conc: 21.76 ng/ml

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

Manual Integration Report

Sequence:	PD051925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088584.D	4,4"-DDD	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	4,4"-DDD #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin aldehyde	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin aldehyde #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin ketone	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin ketone #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PTOXICC250	PD088599.D	Toxaphene-2 #2	Abdul	5/20/2025 9:03:22 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PCHLORICV500	PD088602.D	Chlordane-1	Abdul	5/20/2025 9:03:30 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	4,4"-DDD	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	4,4"-DDD #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	Endrin aldehyde #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	Endrin ketone	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	Endrin ketone #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PD051925	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PD088613.D	Decachlorobiphenyl	Abdul	5/20/2025 9:03:54 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDCCC050	PD088614.D	4,4"-DDE #2	Abdul	5/20/2025 9:03:58 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PD053025	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088770.D	4,4"-DDD	Abdul	5/30/2025 7:53:24 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
PEM	PD088770.D	4,4"-DDD #2	Abdul	5/30/2025 7:53:24 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
PEM	PD088770.D	Endrin aldehyde	Abdul	5/30/2025 7:53:24 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
PEM	PD088770.D	Endrin ketone	Abdul	5/30/2025 7:53:24 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
PEM	PD088770.D	Endrin ketone #2	Abdul	5/30/2025 7:53:24 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
PB168153BS	PD088774.D	Toxaphene-5	Abdul	5/30/2025 7:53:30 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
PB168153BS	PD088774.D	Toxaphene-5 #2	Abdul	5/30/2025 7:53:30 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
Q1872-22	PD088775.D	Tetrachloro-m-xylene	Abdul	5/30/2025 7:53:40 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
Q1872-22	PD088775.D	Toxaphene-1 #2	Abdul	5/30/2025 7:53:40 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
Q1872-22	PD088775.D	Toxaphene-2	Abdul	5/30/2025 7:53:40 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software
Q1872-22	PD088775.D	Toxaphene-2 #2	Abdul	5/30/2025 7:53:40 AM	mohammad	5/30/2025 8:31:32	Peak Integrated by Software

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM		
SubDirectory	PD051925	HP Acquire Method		HP Processing Method	pd051925 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	PD088582.D	19 May 2025 10:36	AR\AJ	Ok
2	I.BLK	PD088583.D	19 May 2025 10:50	AR\AJ	Ok
3	PEM	PD088584.D	19 May 2025 11:04	AR\AJ	Ok,M
4	RESCHK	PD088585.D	19 May 2025 11:17	AR\AJ	Ok
5	PSTDICC100	PD088586.D	19 May 2025 11:31	AR\AJ	Ok
6	PSTDICC075	PD088587.D	19 May 2025 11:45	AR\AJ	Ok
7	PSTDICC050	PD088588.D	19 May 2025 11:58	AR\AJ	Ok
8	PSTDICC025	PD088589.D	19 May 2025 12:12	AR\AJ	Ok
9	PSTDICC005	PD088590.D	19 May 2025 12:25	AR\AJ	Ok,M
10	PCHLORICC1000	PD088591.D	19 May 2025 12:39	AR\AJ	Ok
11	PCHLORICC750	PD088592.D	19 May 2025 12:52	AR\AJ	Ok
12	PCHLORICC500	PD088593.D	19 May 2025 13:06	AR\AJ	Ok
13	PCHLORICC250	PD088594.D	19 May 2025 13:19	AR\AJ	Ok
14	PCHLORICC050	PD088595.D	19 May 2025 13:33	AR\AJ	Ok
15	PTOXICC1000	PD088596.D	19 May 2025 13:47	AR\AJ	Ok
16	PTOXICC750	PD088597.D	19 May 2025 14:00	AR\AJ	Ok
17	PTOXICC500	PD088598.D	19 May 2025 14:14	AR\AJ	Ok
18	PTOXICC250	PD088599.D	19 May 2025 14:27	AR\AJ	Ok,M
19	PTOXICC100	PD088600.D	19 May 2025 14:41	AR\AJ	Ok
20	PSTDICV050	PD088601.D	19 May 2025 14:55	AR\AJ	Ok
21	PCHLORICV500	PD088602.D	19 May 2025 15:08	AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM		
SubDirectory	PD051925	HP Acquire Method		HP Processing Method	pd051925 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	PD088603.D	19 May 2025 15:22	AR\AJ	Ok
23	I.BLK	PD088604.D	19 May 2025 15:35	AR\AJ	Ok
24	PEM	PD088605.D	19 May 2025 15:49	AR\AJ	Ok,M
25	PSTDCCC050	PD088606.D	19 May 2025 16:02	AR\AJ	Ok
26	PTOXCCC500	PD088607.D	19 May 2025 16:16	AR\AJ	Ok
27	PB167959BS	PD088608.D	19 May 2025 16:32	AR\AJ	Ok
28	Q1984-09RE	PD088609.D	19 May 2025 16:50	AR\AJ	Confirms
29	Q1984-11RE	PD088610.D	19 May 2025 17:04	AR\AJ	Confirms
30	Q1984-13RE	PD088611.D	19 May 2025 17:18	AR\AJ	Confirms
31	Q1984-15RE	PD088612.D	19 May 2025 17:31	AR\AJ	Confirms
32	I.BLK	PD088613.D	19 May 2025 17:45	AR\AJ	Ok,M
33	PSTDCCC050	PD088614.D	19 May 2025 18:45	AR\AJ	Ok,M
34	PTOXCCC500	PD088615.D	19 May 2025 19:32	AR\AJ	Ok
35	PB168066BL	PD088616.D	19 May 2025 20:26	AR\AJ	Ok
36	PB168066BS	PD088617.D	19 May 2025 20:40	AR\AJ	Not Ok
37	PB167994TB	PD088618.D	19 May 2025 20:54	AR\AJ	Ok
38	Q2014-05	PD088619.D	19 May 2025 21:08	AR\AJ	Not Ok
39	Q2027-03	PD088620.D	19 May 2025 21:21	AR\AJ	Ok,M
40	Q2027-03MS	PD088621.D	19 May 2025 21:35	AR\AJ	Ok,M
41	Q2027-03MSD	PD088622.D	19 May 2025 21:49	AR\AJ	Ok,M
42	Q2027-04	PD088623.D	19 May 2025 22:02	AR\AJ	Ok
43	Q2032-09	PD088624.D	19 May 2025 22:16	AR\AJ	Ok
44	I.BLK	PD088625.D	19 May 2025 22:30	AR\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM		
SubDirectory	PD051925	HP Acquire Method		HP Processing Method	pd051925 8081

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

45	PSTDCCC050	PD088626.D	19 May 2025 22:43	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD053025

Review By	Abdul	Review On	5/30/2025 7:54:00 AM		
Supervise By	mohammad	Supervise On	5/30/2025 8:31:32 AM		
SubDirectory	PD053025	HP Acquire Method		HP Processing Method	pd051925 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	PD088768.D	29 May 2025 08:51	AR\AJ	Ok
2	I.BLK	PD088769.D	29 May 2025 09:05	AR\AJ	Ok
3	PEM	PD088770.D	29 May 2025 09:18	AR\AJ	Ok,M
4	PSTDCCC050	PD088771.D	29 May 2025 12:25	AR\AJ	Ok
5	PTOXCCC500	PD088772.D	29 May 2025 13:32	AR\AJ	Ok
6	PB168153BL	PD088773.D	29 May 2025 13:49	AR\AJ	Ok
7	PB168153BS	PD088774.D	29 May 2025 14:32	AR\AJ	Ok,M
8	Q1872-22	PD088775.D	29 May 2025 15:01	AR\AJ	Ok,M
9	I.BLK	PD088776.D	29 May 2025 15:36	AR\AJ	Ok
10	PSTDCCC050	PD088777.D	29 May 2025 15:50	AR\AJ	Ok
11	PTOXCCC500	PD088778.D	29 May 2025 16:04	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM		
SubDirectory	PD051925	HP Acquire Method		HP Processing Method	pd051925 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	PD088582.D	19 May 2025 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD088583.D	19 May 2025 10:50		AR\AJ	Ok
3	PEM	PEM	PD088584.D	19 May 2025 11:04		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088585.D	19 May 2025 11:17		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088586.D	19 May 2025 11:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD088587.D	19 May 2025 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088588.D	19 May 2025 11:58		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088589.D	19 May 2025 12:12		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD088590.D	19 May 2025 12:25		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088591.D	19 May 2025 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088592.D	19 May 2025 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD088593.D	19 May 2025 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD088594.D	19 May 2025 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD088595.D	19 May 2025 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD088596.D	19 May 2025 13:47		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD088597.D	19 May 2025 14:00		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD088598.D	19 May 2025 14:14		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD088599.D	19 May 2025 14:27		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM		
SubDirectory	PD051925	HP Acquire Method		HP Processing Method	pd051925 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	PD088600.D	19 May 2025 14:41		AR\AJ	Ok
20	PSTDICV050	ICVPD051925	PD088601.D	19 May 2025 14:55		AR\AJ	Ok
21	PCHLORICV500	ICVPD051925CHLOR	PD088602.D	19 May 2025 15:08		AR\AJ	Ok,M
22	PTOXICV500	ICVPD051925TOX	PD088603.D	19 May 2025 15:22		AR\AJ	Ok
23	I.BLK	I.BLK	PD088604.D	19 May 2025 15:35		AR\AJ	Ok
24	PEM	PEM	PD088605.D	19 May 2025 15:49		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD088606.D	19 May 2025 16:02		AR\AJ	Ok
26	PTOXCCC500	PTOXCCC500	PD088607.D	19 May 2025 16:16		AR\AJ	Ok
27	PB167959BS	PB167959BS	PD088608.D	19 May 2025 16:32	TOX BS	AR\AJ	Ok
28	Q1984-09RE	OU4-TS-25-050725RE	PD088609.D	19 May 2025 16:50	DCB Low in both column	AR\AJ	Confirms
29	Q1984-11RE	OU4-TS-26-050725RE	PD088610.D	19 May 2025 17:04	DCB Low in both column	AR\AJ	Confirms
30	Q1984-13RE	OU4-TS-27-050725RE	PD088611.D	19 May 2025 17:18	DCB Low in both column	AR\AJ	Confirms
31	Q1984-15RE	OU4-TS-28-050725RE	PD088612.D	19 May 2025 17:31	DCB Low in both column	AR\AJ	Confirms
32	I.BLK	I.BLK	PD088613.D	19 May 2025 17:45		AR\AJ	Ok,M
33	PSTDCCC050	PSTDCCC050	PD088614.D	19 May 2025 18:45		AR\AJ	Ok,M
34	PTOXCCC500	PTOXCCC500	PD088615.D	19 May 2025 19:32		AR\AJ	Ok
35	PB168066BL	PB168066BL	PD088616.D	19 May 2025 20:26		AR\AJ	Ok
36	PB168066BS	PB168066BS	PD088617.D	19 May 2025 20:40	Recovery fail for comp # 17 & 20	AR\AJ	Not Ok
37	PB167994TB	PB167994TB	PD088618.D	19 May 2025 20:54		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM		
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM		
SubDirectory	PD051925	HP Acquire Method		HP Processing Method	pd051925 8081

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

38	Q2014-05	MOO-25-0148	PD088619.D	19 May 2025 21:08	TCMX having F flag in both column, already run	AR\AJ	Not Ok
39	Q2027-03	B27-SOIL-SAMPLE	PD088620.D	19 May 2025 21:21		AR\AJ	Ok,M
40	Q2027-03MS	B27-SOIL-SAMPLEMS	PD088621.D	19 May 2025 21:35		AR\AJ	Ok,M
41	Q2027-03MSD	B27-SOIL-SAMPLEMS	PD088622.D	19 May 2025 21:49		AR\AJ	Ok,M
42	Q2027-04	B28-SOIL-SAMPLE	PD088623.D	19 May 2025 22:02		AR\AJ	Ok
43	Q2032-09	COMP-1	PD088624.D	19 May 2025 22:16		AR\AJ	Ok
44	I.BLK	I.BLK	PD088625.D	19 May 2025 22:30		AR\AJ	Ok
45	PSTDCCC050	PSTDCCC050	PD088626.D	19 May 2025 22:43		AR\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD053025

Review By	Abdul	Review On	5/30/2025 7:54:00 AM		
Supervise By	mohammad	Supervise On	5/30/2025 8:31:32 AM		
SubDirectory	PD053025	HP Acquire Method		HP Processing Method	pd051925 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	PD088768.D	29 May 2025 08:51		AR\AJ	Ok
2	I.BLK	I.BLK	PD088769.D	29 May 2025 09:05		AR\AJ	Ok
3	PEM	PEM	PD088770.D	29 May 2025 09:18		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088771.D	29 May 2025 12:25		AR\AJ	Ok
5	PTOXCCC500	PTOXCCC500	PD088772.D	29 May 2025 13:32		AR\AJ	Ok
6	PB168153BL	PB168153BL	PD088773.D	29 May 2025 13:49		AR\AJ	Ok
7	PB168153BS	PB168153BS	PD088774.D	29 May 2025 14:32	TOX BS	AR\AJ	Ok,M
8	Q1872-22	HW0425-PT-TXP-SOIL	PD088775.D	29 May 2025 15:01		AR\AJ	Ok,M
9	I.BLK	I.BLK	PD088776.D	29 May 2025 15:36		AR\AJ	Ok
10	PSTDCCC050	PSTDCCC050	PD088777.D	29 May 2025 15:50		AR\AJ	Ok
11	PTOXCCC500	PTOXCCC500	PD088778.D	29 May 2025 16:04		AR\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135545

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
Q1869-01	MH-F	1	1.14	10.43	11.57	10.47	89.5	
Q1869-02	MH-F-EPH	2	1.18	9.96	11.14	10.12	89.8	
Q1869-03	MH-F-VOC	3	1.16	10.28	11.44	10.4	89.9	
Q1871-01	MH-A	4	1.14	9.59	10.73	9.86	90.9	
Q1871-02	MH-A-EPH	5	1.18	9.97	11.15	10.25	91.0	
Q1871-03	MH-A-VOC	6	1.15	10.22	11.37	10.47	91.2	
Q1871-05	MH-B	7	1.18	10.31	11.49	10.58	91.2	
Q1871-06	MH-B-EPH	8	1.16	9.63	10.79	10.05	92.3	
Q1871-07	MH-B-VOC	9	1.18	10.35	11.53	10.75	92.5	
Q1872-01	HW0425-PT-AN-SOIL	31	1.00	1.00	2.00	2.00	100.0	
Q1872-02	HW0425-PT-CORR-SOIL	32	1.00	1.00	2.00	2.00	100.0	
Q1872-03	HW0425-PT-CN-SOIL	33	1.00	1.00	2.00	2.00	100.0	
Q1872-04	HW0425-PT-CN-SOIL	34	1.00	1.00	2.00	2.00	100.0	
Q1872-05	HW0425-PT-FP-SOIL	35	1.00	1.00	2.00	2.00	100.0	
Q1872-06	HW0425-PT-CR6-SOIL	36	1.00	1.00	2.00	2.00	100.0	
Q1872-07	HW0425-PT-NUT-SOIL	37	1.00	1.00	2.00	2.00	100.0	
Q1872-08	HW0425-PT-NUT-SOIL	38	1.00	1.00	2.00	2.00	100.0	
Q1872-09	HW0425-PT-OGR-SOIL	39	1.00	1.00	2.00	2.00	100.0	
Q1872-10	HW0425-PT-MET-SOIL	40	1.00	1.00	2.00	2.00	100.0	
Q1872-11	HW0425-PT-BNA-SOIL	41	1.00	1.00	2.00	2.00	100.0	
Q1872-12	HW0425-PT-TRIAZINE-SOIL	42	1.00	1.00	2.00	2.00	100.0	
Q1872-13	HW0425-PT-PAH-SOIL	43	1.00	1.00	2.00	2.00	100.0	
Q1872-14	HW0425-PT-DIES-SOIL	44	1.00	1.00	2.00	2.00	100.0	
Q1872-15	HW0425-PT-GAS-SOIL	45	1.00	1.00	2.00	2.00	100.0	
Q1872-16	HW0425-PT-NJEPH-SOIL	46	1.00	1.00	2.00	2.00	100.0	
Q1872-17	HW0425-PT-HERB-SOIL	47	1.00	1.00	2.00	2.00	100.0	
Q1872-18	HW0425-PT-PCB-SOIL	48	1.00	1.00	2.00	2.00	100.0	
Q1872-19	HW0425-PT-PCBO-SOIL	49	1.00	1.00	2.00	2.00	100.0	

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135545

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
Q1872-20	HW0425-PT-PEST-SOIL	50	1.00	1.00	2.00	2.00	100.0	
Q1872-21	HW0425-PT-CHLR-SOIL	51	1.00	1.00	2.00	2.00	100.0	
Q1872-22	HW0425-PT-TXP-SOIL	52	1.00	1.00	2.00	2.00	100.0	
Q1872-23	HW0425-PT-VOA-SOIL	53	1.00	1.00	2.00	2.00	100.0	
Q1872-25	HW0425-PT-NO2-SOIL	54	1.00	1.00	2.00	2.00	100.0	
Q1873-01	CAM-40619	10	1.14	10.70	11.84	4.97	35.8	
Q1873-02	CAM-40620	11	1.15	10.42	11.57	6.19	48.4	
Q1873-03	CAM-40619-20	12	1.18	10.21	11.39	4.77	35.2	
Q1874-01	VNJ-236	13	1.19	10.45	11.64	10.89	92.8	
Q1874-03	RT1491	14	1.19	11.16	12.35	11.43	91.8	
Q1874-05	HT3727	15	1.16	10.63	11.79	11.06	93.1	
Q1875-01	AUD-25-0053	16	1.14	10.75	11.89	11.19	93.5	
Q1875-03	AUD-25-0054	17	1.14	10.02	11.16	10.52	93.6	
Q1875-04	AUD-25-0024	18	1.14	10.03	11.17	10.77	96.0	
Q1876-01	AUD-25-0058	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-02	AUD-25-0059	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-03	AUD-25-0060	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-04	AUD-25-0061	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-05	AUD-25-0062	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-06	AUD-25-0063	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-07	AUD-25-0064	25	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-08	AUD-25-0065	26	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-09	AUD-25-0066	27	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1877-01	AU-6-042425	55	1.14	10.25	11.39	10.72	93.5	
Q1877-02	AU-6-042425	28	1.14	10.21	11.35	10.54	92.1	
Q1878-01	TR-4-042425	29	1.14	10.17	11.31	11.2	98.9	
Q1878-02	TR-4-042425-E2	30	1.19	10.28	11.47	10.92	94.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135545

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

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

WORKLIST(Hardcopy Internal Chain)

LB 135545

WorkList Name : %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1869-01	MH-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-02	MH-F-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-03	MH-F-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-01	MH-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-02	MH-A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-03	MH-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-05	MH-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-06	MH-B-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-07	MH-B-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-01	HW0425-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-02	HW0425-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-03	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-04	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-05	HW0425-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-06	HW0425-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-07	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-08	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-09	HW0425-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-10	HW0425-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-11	HW0425-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO

Date/Time 04/24/25 1530

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/24/25 1725

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-13	HW0425-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-14	HW0425-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-15	HW0425-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-16	HW0425-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-17	HW0425-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-18	HW0425-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-19	HW0425-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-20	HW0425-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-21	HW0425-PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-22	HW0425-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-23	HW0425-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-25	HW0425-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1873-01	CAM-40619	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-02	CAM-40620	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-03	CAM-40619-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1874-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-03	RT1491	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-05	HT3727	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1875-01	AUD-25-0053	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-03	AUD-25-0054	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-04	AUD-25-0024	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/24/25 17:25

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1876-01	AUD-25-0058	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-02	AUD-25-0059	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-03	AUD-25-0060	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-04	AUD-25-0061	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-05	AUD-25-0062	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-06	AUD-25-0063	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-07	AUD-25-0064	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-08	AUD-25-0065	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-09	AUD-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-01	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-02	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-01	TR-4-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-02	TR-4-042425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by: SM

Date/Time 04/24/25 17:25

Raw Sample Received by: SM

Raw Sample Relinquished by: 17:35

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: TB (coc)

Raw Sample Relinquished by:

Date/Time 04/28/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: TB (coc)

WORKLIST(Hardcopy Internal Chain)

WB 1355775

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	L41	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	L51	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	PSEG03	L41	04/28/2025	Chemtech -SO
					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

PB168153

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RS

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 05/23/2025

Extraction Start Time : 09:20

Extraction End Date : 05/23/2025

Extraction End Time : 12:30

Concentration By: EH

Supervisor By : RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	2.0ML	1000 PPB	PP24080
Surrogate	1.0ML	200 PPB	PP24597
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2614
Sand	N/A	E2865
Hexane	N/A	E3938
Florisil	N/A	E3806
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/23/25	RS (EOL lab)	T-P pesticides
12:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168153

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/23/2025

Sample ID	Client Sample ID	Test	g// mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168153BL	PBLK153	PESTICIDE Group3	30.01	N/A	ritesh	RUPESH	10			U2-4
PB168153BS	PLCS153	PESTICIDE Group3	30.02	N/A	ritesh	RUPESH	10			5
Q1872-22	HW0425-PT-TXP-SOIL	PESTICIDE Group3	30.11	N/A	ritesh	RUPESH	10	A		6

RS

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

168152 9:20 TDX

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1872 **WorkList ID :** 189742 **Department :** Extraction **Date :** 05-23-2025 08:51:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-21	HW0425-PT-CHLR-SOIL	Solid	PESTICIDE Group2	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8081B
Q1872-22	HW0425-PT-TXP-SOIL	Solid	PESTICIDE Group3	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8081B

Date/Time 5/23/25 9:15
Raw Sample Received by: RJ (EXA-165)
Raw Sample Relinquished by:

Date/Time 5/23/25 9:35
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXA-165)

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Prep Standard - Chemical Standard Summary

Order ID : Q1872

Test : PESTICIDE Group3

Prepbatch ID : PB168153,

Sequence ID/Qc Batch ID: PD053025,

Standard ID :
EP2613,EP2614,PP24080,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,PP24329,PP24433,PP24597,

Chemical ID :
E2865,E3551,E3806,E3843,E3847,E3877,E3914,E3932,E3933,E3938,P12603,P 12611,P13037,P13040,P13195,P13245,P13356,P13357,P13404,P13405,P13785,P13861,P9052,W3177,

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Extractions STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2614	05/19/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/19/2025

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
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24080	12/16/2024	06/05/2025	Abdul Mirza	None	None	Ankita Jodhani 12/17/2024

FROM 0.10000ml of P13404 + 99.90000ml of E3843 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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CHEMICAL RECEIPT LOG BOOK

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	09/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	12/05/2025	06/05/2025 / RUPESH	05/14/2025 / RUPESH	E3938

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

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CHEMICAL RECEIPT LOG BOOK

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

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

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	11/20/2025	05/20/2025 / Abdul	04/22/2024 / Abdul	P13357

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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	06/16/2025	12/16/2024 / Abdul	05/15/2024 / Abdul	P13404

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

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

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

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 RP on 7/24/23 E3551


Cleanert Florisil
1g/6ml 30/pkg
固相萃取产品
LOT#:M06518
MFG#:F04074
CAT# FS0006
Agela Technologies
Made in China
E3806

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 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

E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3938

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P12614 & P12615 Five

7/3/2023

Catalog No. : 32021 **Lot No.:** A0193299

Description : Chlordane Standard

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

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

Expiration Date : April 30, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,010.0 µg/mL	+/- 56.0475

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

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

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

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

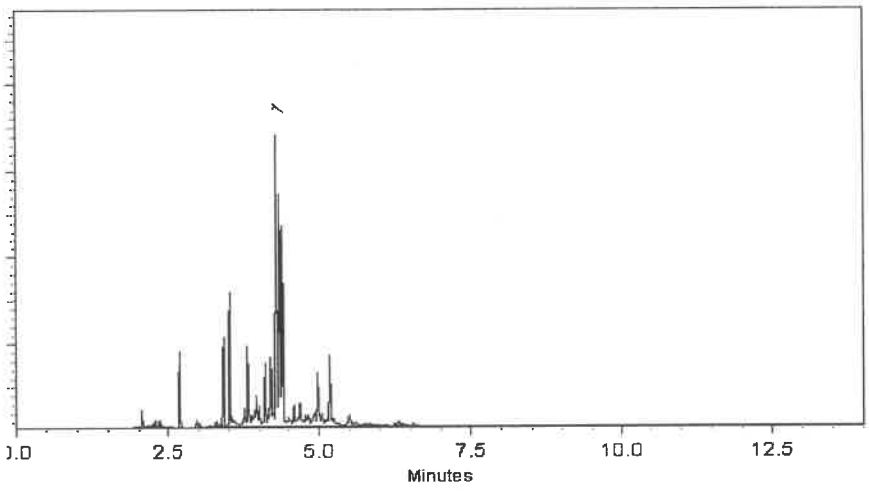
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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

Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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

P12691 → P12695

7/3/2023

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

P130397 5
↓
P130431

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

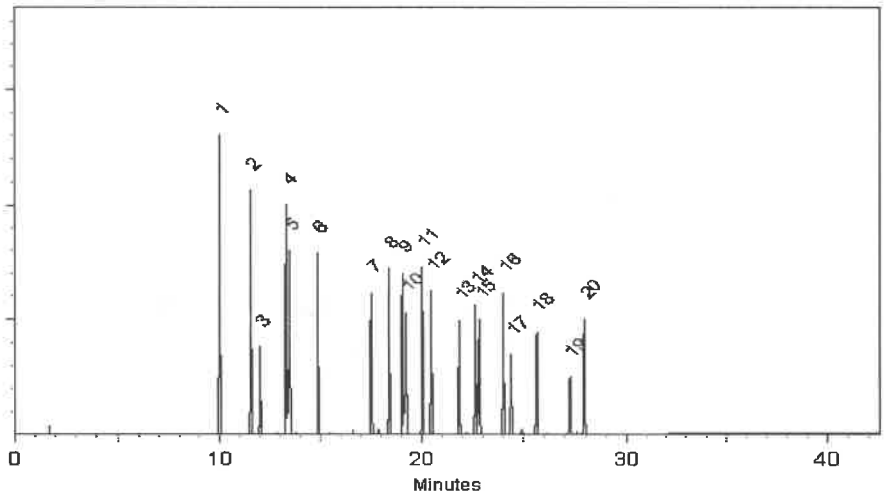
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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

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

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone **Lot#** 81025

Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

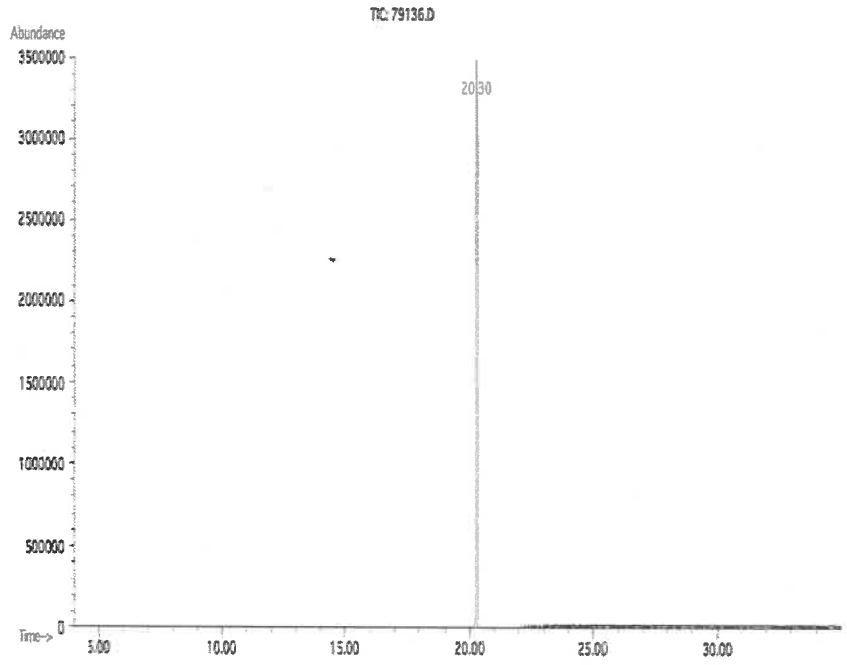
Weight(s) shown below were combined and diluted to (mL): 50.0 ± 0.006 Flask Uncertainty; 5E-05 Balance Uncertainty

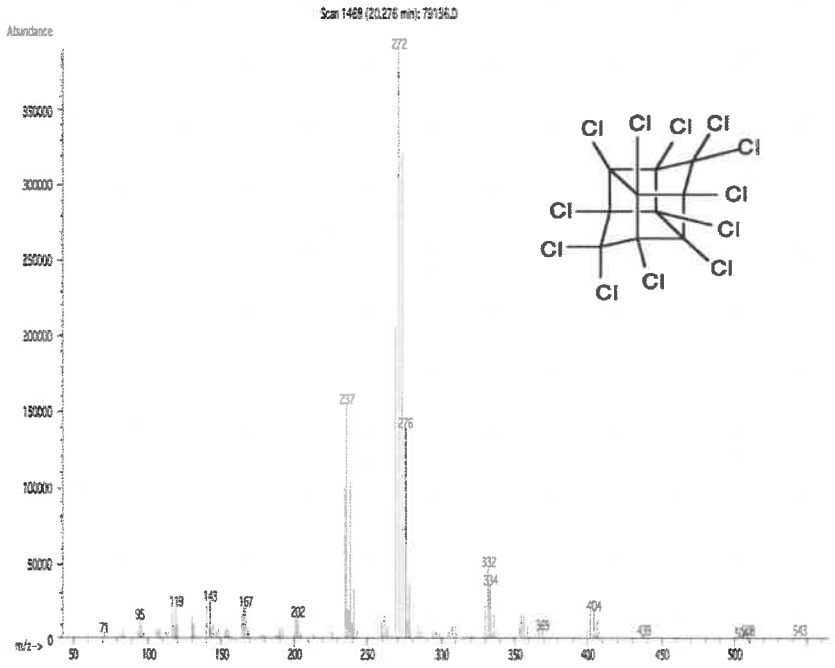
Formulated By: Prashant Chauhan 042022 DATE

Reviewed By: Pedro L. Rentas 042022 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).

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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.

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.)

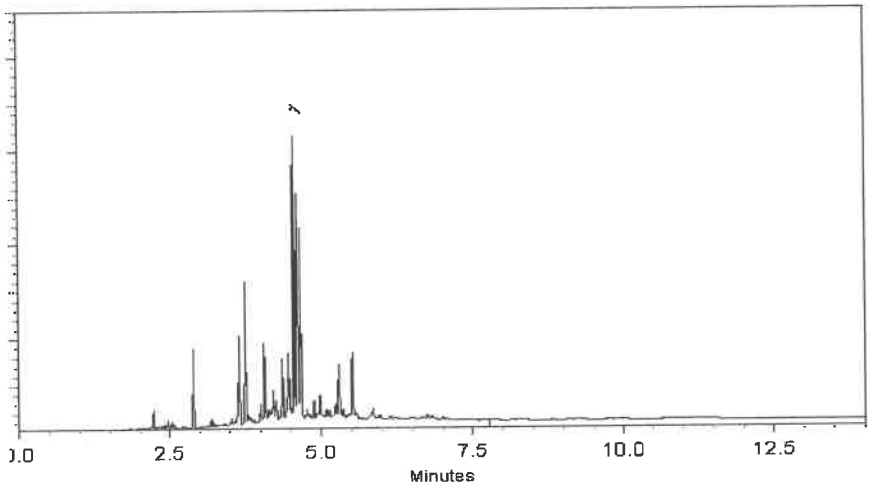
Inj. Temp:
250°C

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

P 12603 & P 12605 (3)

7/3/2023

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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.)

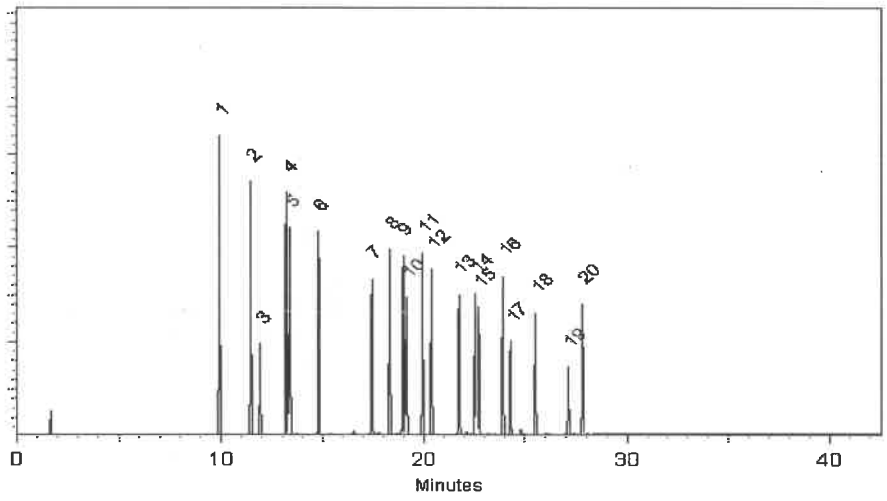
Inj. Temp:
200°C

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

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

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 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 & P13247 (5)

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 (10)
↓
P13357

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

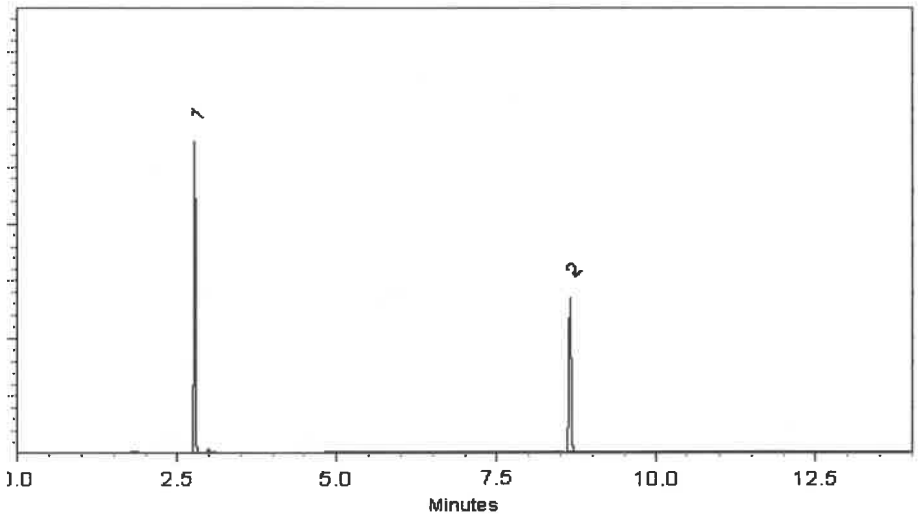
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

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

P13348 (10)
↓
P13357
04/25/2025

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P13348 (10)
↓
P13357

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
hellum-constant pressure 20 psi.

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

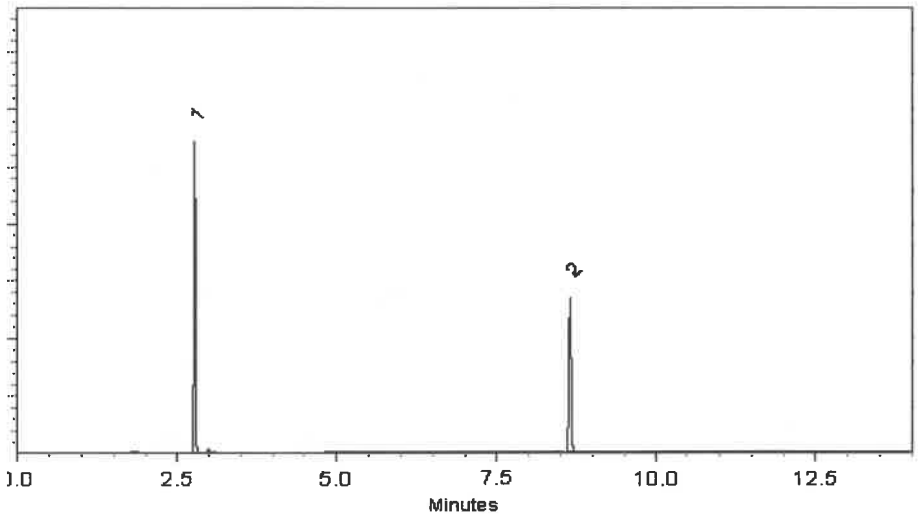
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

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

P13348 (10)
↓
P13357
04/25/2025

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

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

P13402 & P13406 (5)

5/22/2021

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.)

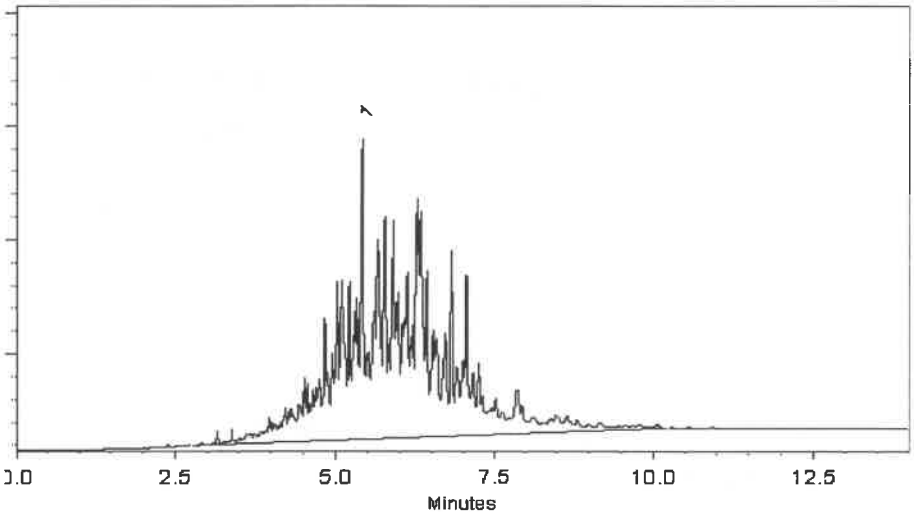
Inj. Temp:
250°C

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

P1340 2 → P1340 6 (5)

5/22/2024

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Certificate #3222.02

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.

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

P13402 & P13406 (5)

5/22/2021

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.)

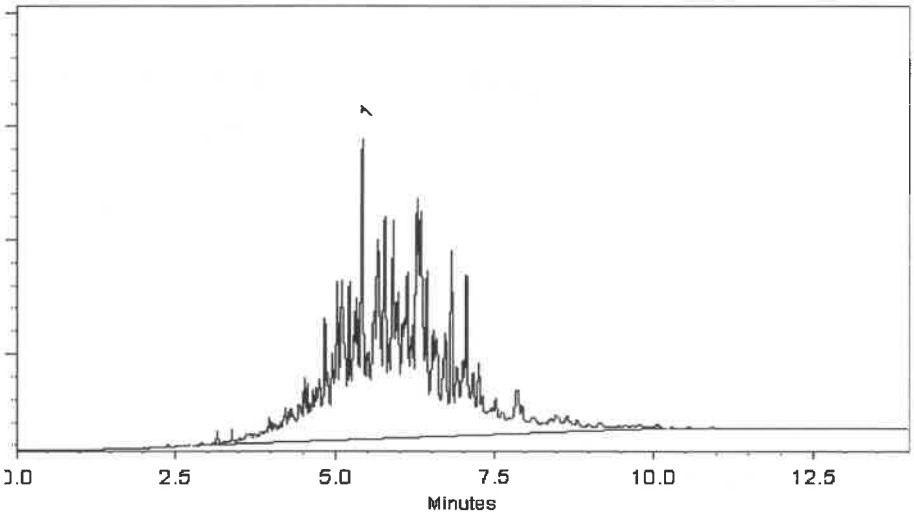
Inj. Temp:
250°C

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

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785 ↓ P19789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

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

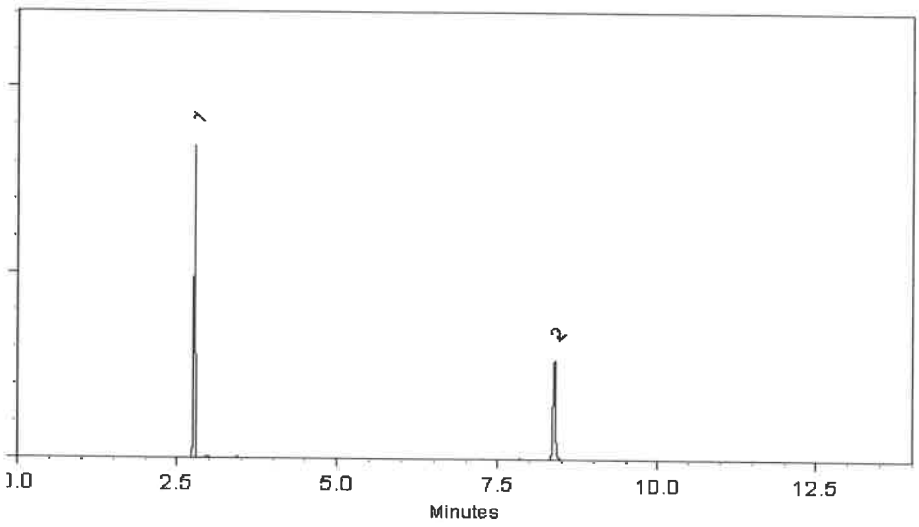
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.

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.)

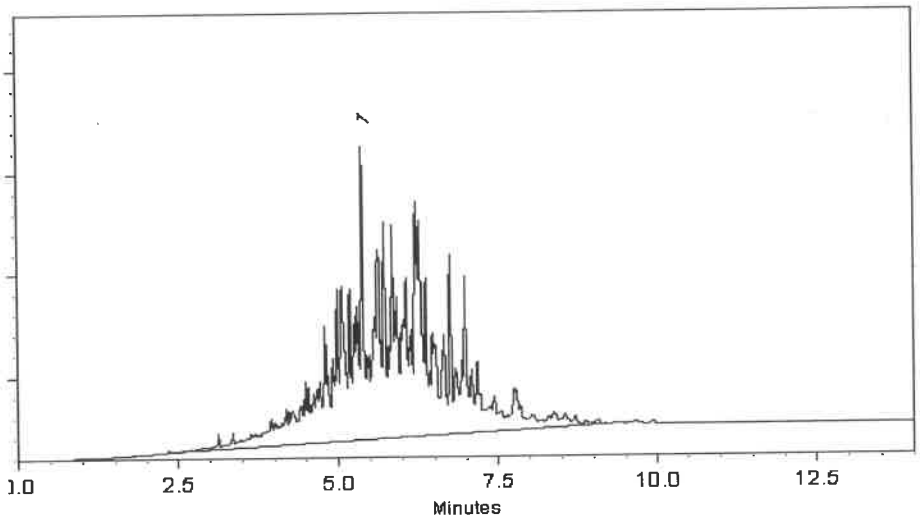
Inj. Temp:
250°C

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 Accredit
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

Solvent(s):	Lot#
Methylene chloride	102669

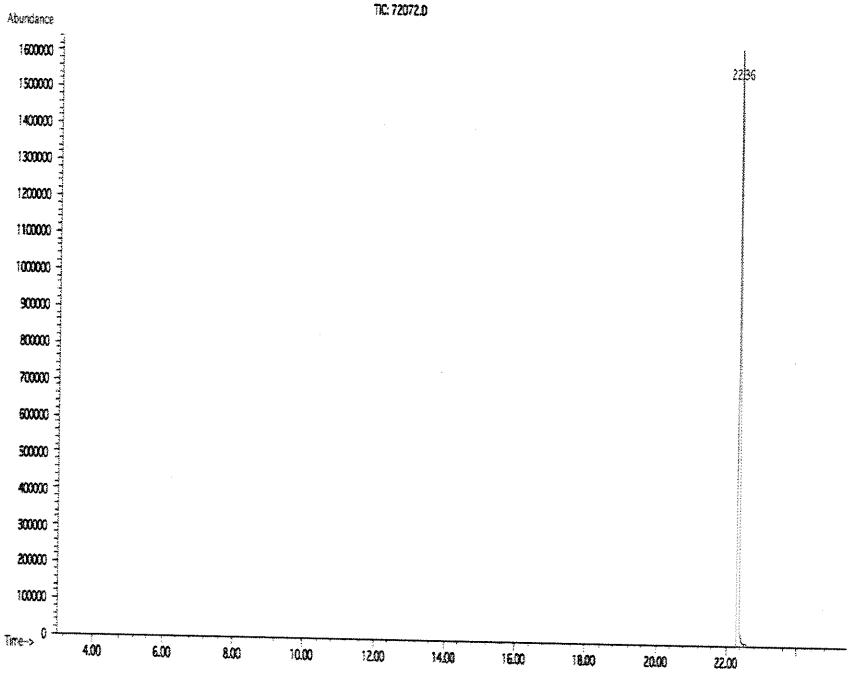
Received by SG on 11/1/19
P9044 - P9053

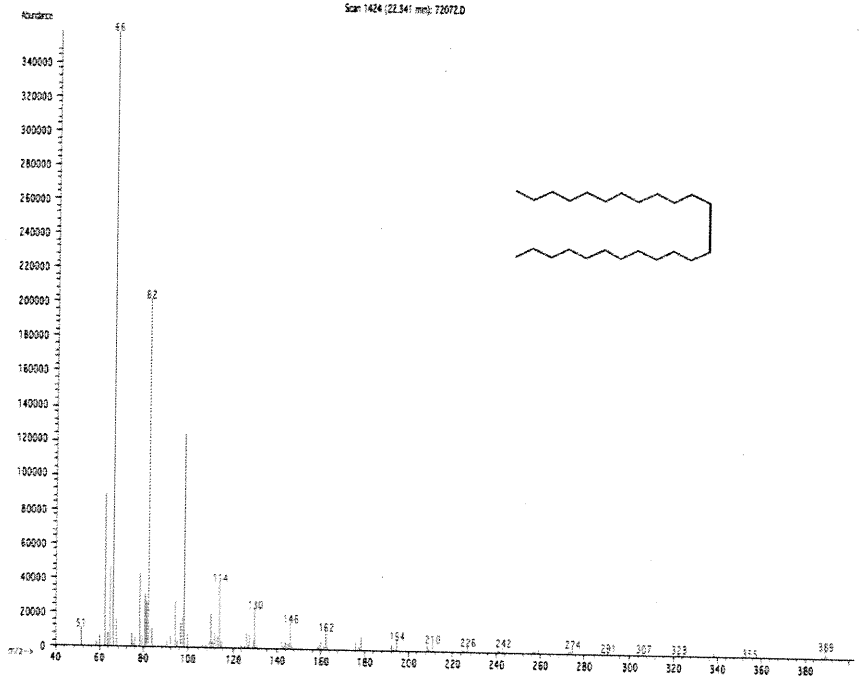
Weight(s) shown below were combined and diluted to (mL): 200.0 | 0.058 Flask Uncertainty | 5E-05 Balance Uncertainty

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.





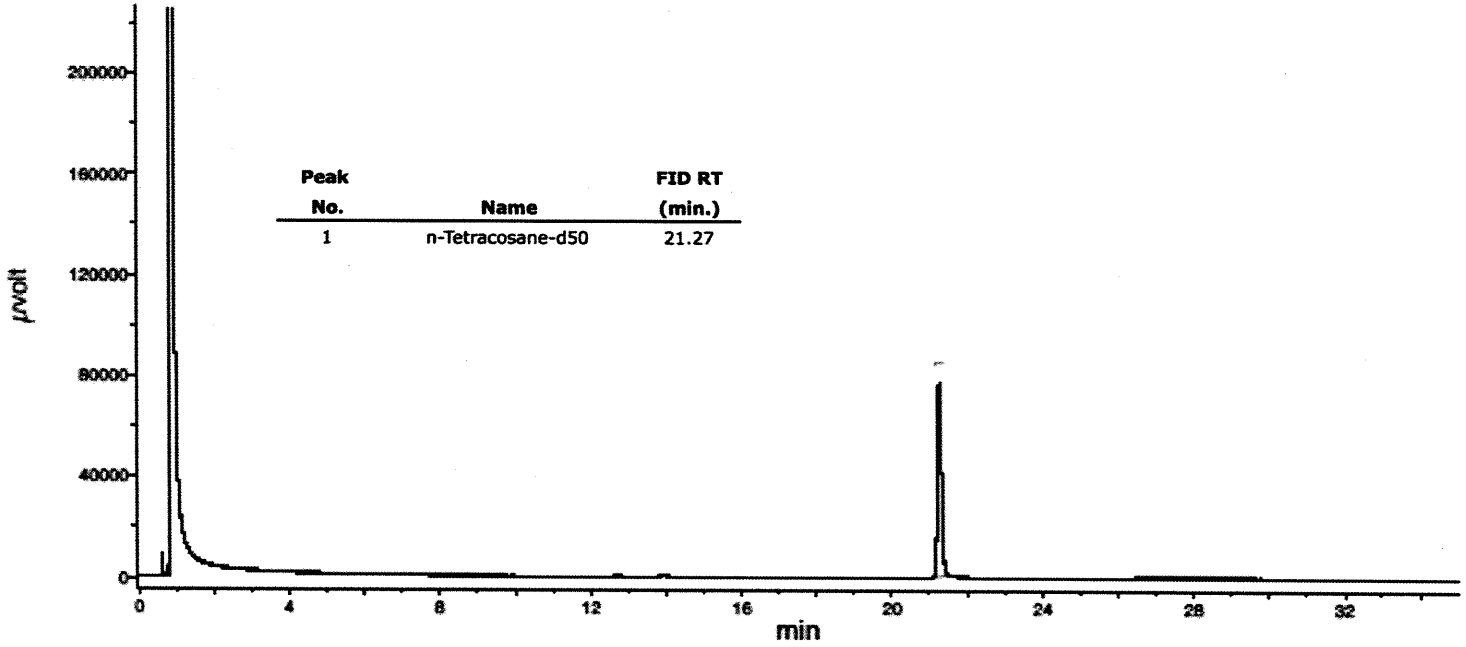
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value,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

phenova® Certified Reference Materials | A Phenomenex® Company

Packing List

Date	Order #
04/21/2025	333293

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Received by: SJ
4/23/2025 15:50

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1668	Net 30	ZCM-100	1500470	FedEx Collect 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW0425	7100-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium	HW0425	7100-05B
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW0425	7100-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW0425	7100-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW0425	7100-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW0425	7100-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW0425	7100-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW0425	7100-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW0425	7100-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW0425	7100-96
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW0425	7100-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW0425	7100-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW0425	7100-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW0425	7100-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW0425	7100-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW0425	7100-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW0425	7100-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW0425	7100-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW0425	7100-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW0425	7100-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW0425	7100-106
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL	HW0425	7100-105

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Packing List

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Golden, CO 80403

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Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
4/28/2025 9:40

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
CPR	Net 30	ZCM-100	1500470	FedEx Next Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW0425	7100-100

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