

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ WASTE WATER PT

CHEMTECH CONSULTING GROUP

284 Sheffield St,

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : P3845

ATTENTION : QA Officer



Laboratory Certification ID # 20012



1) PESTICIDE GROUP3 Data	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	7
5) Conformance/Non Conformance	8
6) QA Checklist	10
7) Chronicle	11
8) Hit Summary	13
9) QC Data Summary For PESTICIDE Group3	14
9.1) Deuterated Monitoring Compound Summary	15
9.2) LCS/LCSD Summary	16
9.3) Method Blank Summary	17
10) Sample Data	18
10.1) PT-TXP-WP	19
10.2) PT-TXP-WPDL	26
11) Calibration Data Summary	33
11.1) Initial Calibration Data	34
11.1.1) PL090924	34
11.1.2) PL092324	74
11.2) Continued Calibration Data	114
11.2.1) PL091608.D	114
11.2.2) PL091626.D	124
11.2.3) PL091995.D	134
11.2.4) PL092005.D	144
11.3) Analytical Seq	154
12) Compound Detection Summary	156
13) QC Sample Data	159
13.1) Method Blank Data	160
13.2) PIBLK Data	164
13.3) LCS Data	188
14) Manual Integration	195
15) Analytical Runlogs	205
16) Extraction Logs	222
16.1) PB163231.pdf	222
16.2) PB163231IC.pdf	224

Table Of Contents for P3845

17) Standard Prep Logs	225
18) Shipping Document	303
18.1) Chain Of Custody	304
18.2) Lab Certificate	306

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Cover Page

Order ID : P3845

Project ID : NJ Waste Water PT

Client : Chemtech Consulting Group

Lab Sample Number

P3845-01
P3845-02
P3845-03
P3845-04
P3845-05
P3845-06
P3845-07
P3845-08
P3845-09
P3845-10
P3845-11
P3845-12
P3845-13
P3845-14
P3845-15
P3845-16
P3845-17
P3845-18
P3845-19
P3845-20
P3845-21
P3845-22

Client Sample Number

PT-VOA-WP
PT-VOA-WP
PT-BN-WP
PT-BN-WP
PT-BN-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-PEST-WP
PT-PEST-WP
PT-CHLR-WP
PT-CHLR-WP
PT-TXP-WP
PT-TXP-WP
PT-PCBW-WP
PT-PCBW-WP
PT-HERB-WP
RR-GAS-WP
RR-DIES-WP
RR-8011-WP
RR-PAH-WP
RR-TRIAZINE-WP

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 :

N. N. Pandya

APPROVED

Nimisha Pandya, QA/QC Supervisor , 10/28/2024, 11:13:23 AM

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Chemtech Consulting Group

Project Name: NJ Waste Water PT

Project # N/A

Chemtech Project # P3845

Test Name: PESTICIDE Group3

A. Number of Samples and Date of Receipt:

22 Water samples were received on 09/05/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide group1, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, SVOCMS Group6, VOCGC Group 1 and VOCMS Group1. This data package contains results for PESTICIDE Group3.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of PESTICIDE Group3s was based on method 608.3,8081B and extraction was done based on method 3510.

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 .

Sample PT-TXP-WP was diluted due to high concentration.

E. Additional Comments:

F. Manual Integration Comments:

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



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

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 N. N. Pandya

APPROVED

Nimisha Pandya, QA/QC Supervisor , 10/28/2024, 11:13:33 AM

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P3845

MATRIX: Water

METHOD: 608.3,8081B/3510

	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.			



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

Sample PT-TXP-WP was diluted due to high concentration.

S. M. Jodhani
QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 10:09 am, Oct 28, 2024

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3845

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: 10/28/2024

LAB CHRONICLE

OrderID:	P3845	OrderDate:	9/5/2024 2:19:00 PM
Client:	Chemtech Consulting Group	Project:	NJ Waste Water PT
Contact:	QA Officer	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3845-09	PT-PEST-WP	WATER	PESTICIDE Group1	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-09DL	PT-PEST-WPDL	WATER	PESTICIDE Group1	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-09DL 2	PT-PEST-WPDL2	WATER	PESTICIDE Group1	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-11	PT-CHLR-WP	WATER	PESTICIDE Group2	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-13	PT-TXP-WP	WATER	PESTICIDE Group3	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-13DL	PT-TXP-WPDL	WATER	PESTICIDE Group3	8081B	09/03/24	09/09/24	09/24/24	09/05/24
P3845-15	PT-PCBW-WP	WATER	PCB	8082A	09/03/24	09/09/24	09/10/24	09/05/24
P3845-17	PT-HERB-WP	WATER	Herbicide group1	8151A	09/03/24	09/10/24	09/13/24	09/05/24
P3845-18	RR-GAS-WP	Water	Gasoline Range Organics	8015D	09/03/24		09/09/24	09/05/24
P3845-18RE	RR-GAS-WP	Water	Gasoline Range Organics	8015D	09/03/24		09/09/24	09/05/24
P3845-19	RR-DIES-WP	Water	Diesel Range Organics	8015D	09/03/24	09/09/24	09/10/24	09/05/24

LAB CHRONICLE

P3845-20	RR-8011-WP	WATER			09/03/24			09/05/24
			VOCGC Group 1	8011		09/11/24	09/11/24	
P3845-20DL	RR-8011-WPDL	WATER			09/03/24			09/05/24
			VOCGC Group 1	8011		09/11/24	09/11/24	

Hit Summary Sheet
SW-846

SDG No.: P3845

Order ID: P3845

Client: Chemtech Consulting Group

Project ID: NJ Waste Water PT

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-TXP-WP								
P3845-13	PT-TXP-WP	WATER	Toxaphene	56.8	E	0.15	1.00	ug/L
			Total Concentration:	56.800				
Client ID : PT-TXP-WPDL								
P3845-13DL	PT-TXP-WPDL	WATER	Toxaphene	52.1	D	1.50	10.0	ug/L
			Total Concentration:	52.100				



QC SUMMARY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Surrogate Summary

SDG No.: **P3845**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL091568.D	PIBLK-PL091568.D	Decachlorobiphenyl	1	20	26.7	133		43	140
		Tetrachloro-m-xylene	1	20	24.2	121		77	126
		Decachlorobiphenyl	2	20	26.2	131		43	140
		Tetrachloro-m-xylene	2	20	24.3	121		77	126
I.BLK-PL091604.D	PIBLK-PL091604.D	Decachlorobiphenyl	1	20	18.4	92		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	17.3	87		43	140
		Tetrachloro-m-xylene	2	20	18.5	93		77	126
PB163231BL	PB163231BL	Decachlorobiphenyl	1	20	23.2	116		43	140
		Tetrachloro-m-xylene	1	20	22.6	113		77	126
		Decachlorobiphenyl	2	20	22.7	113		43	140
		Tetrachloro-m-xylene	2	20	21.3	106		77	126
PB163231BS	PB163231BS	Decachlorobiphenyl	1	20	22.0	110		43	140
		Tetrachloro-m-xylene	1	20	21.8	109		77	126
		Decachlorobiphenyl	2	20	22.9	115		43	140
		Tetrachloro-m-xylene	2	20	20.2	101		77	126
I.BLK-PL091623.D	PIBLK-PL091623.D	Decachlorobiphenyl	1	20	20.3	102		43	140
		Tetrachloro-m-xylene	1	20	19.6	98		77	126
		Decachlorobiphenyl	2	20	20.0	100		43	140
		Tetrachloro-m-xylene	2	20	17.9	90		77	126
I.BLK-PL091953.D	PIBLK-PL091953.D	Decachlorobiphenyl	1	20	19.6	98		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	18.7	94		43	140
		Tetrachloro-m-xylene	2	20	18.3	92		77	126
I.BLK-PL091991.D	PIBLK-PL091991.D	Decachlorobiphenyl	1	20	20.7	104		43	140
		Tetrachloro-m-xylene	1	20	20.3	101		77	126
		Decachlorobiphenyl	2	20	19.5	98		43	140
		Tetrachloro-m-xylene	2	20	19.6	98		77	126
P3845-13	PT-TXP-WP	Decachlorobiphenyl	1	20	26.1	131		43	140
		Tetrachloro-m-xylene	1	20	22.2	111		77	126
		Decachlorobiphenyl	2	20	25.2	126		43	140
		Tetrachloro-m-xylene	2	20	21.6	108		77	126
P3845-13DL	PT-TXP-WPDL	Decachlorobiphenyl	1	20	27.5	138		43	140
		Tetrachloro-m-xylene	1	20	22.9	115		77	126
		Decachlorobiphenyl	2	20	24.9	125		43	140
		Tetrachloro-m-xylene	2	20	19.3	97		77	126
I.BLK-PL092002.D	PIBLK-PL092002.D	Decachlorobiphenyl	1	20	20.9	104		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	20.4	102		43	140
		Tetrachloro-m-xylene	2	20	19.5	97		77	126

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3845

Client: Chemtech Consulting Group

Analytical Method: 8081B

Datafile : PL091619.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163231BS	Toxaphene	2	2.00	ug/L	100				80	120		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163231BL

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P3845

SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: PB163231BL

Lab File ID: PL091618.D

Matrix: (soil/water) WATER

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/09/2024

Date Analyzed (1): 09/10/2024

Date Analyzed (2): 09/10/2024

Time Analyzed (1): 15:29

Time Analyzed (2): 15:29

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

GC Column (2): ZB-MR1 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
PB163231BS	PB163231BS	PL091619.D	09/10/2024	09/10/2024
PT-TXP-WP	P3845-13	PL091998.D	09/24/2024	09/24/2024

COMMENTS: _____



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-TXP-WP	SDG No.:	P3845
Lab Sample ID:	P3845-13	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL091998.D	1	09/09/24 10:15	09/24/24 13:02	PB163231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	56.8	E	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.1		43 - 140	131%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		77 - 126	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
 Data File : PL091998.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Sep 2024 13:02
 Operator : AR\AJ
 Sample : P3845-13
 Misc : TOX/PT
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PT-TXP-WP

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 25 01:13:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 14:51:37 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	50107167	56110283	22.158	21.620
7) SA Decachlor...	9.059	7.923	43030719	64870570	26.125	25.157
Target Compounds						
2) Toxaphene-1	6.246	5.016	116.5E6	150.8E6	5025.340m	8279.717 #
3) Toxaphene-2	6.447	5.336	89115717	135.7E6	6173.738	7761.281m#
4) Toxaphene-3	7.063	6.603	436.3E6	318.3E6	5994.780	5156.512
5) Toxaphene-4	7.150	6.739	279.3E6	463.1E6	5058.022	5270.416
6) Toxaphene-5	7.939	7.054	75440072	115.3E6	1848.969	1934.836

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL091998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 13:02
Operator : AR\AJ
Sample : P3845-13
Misc : TOX/PT
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-TXP-WP

Manual Integrations

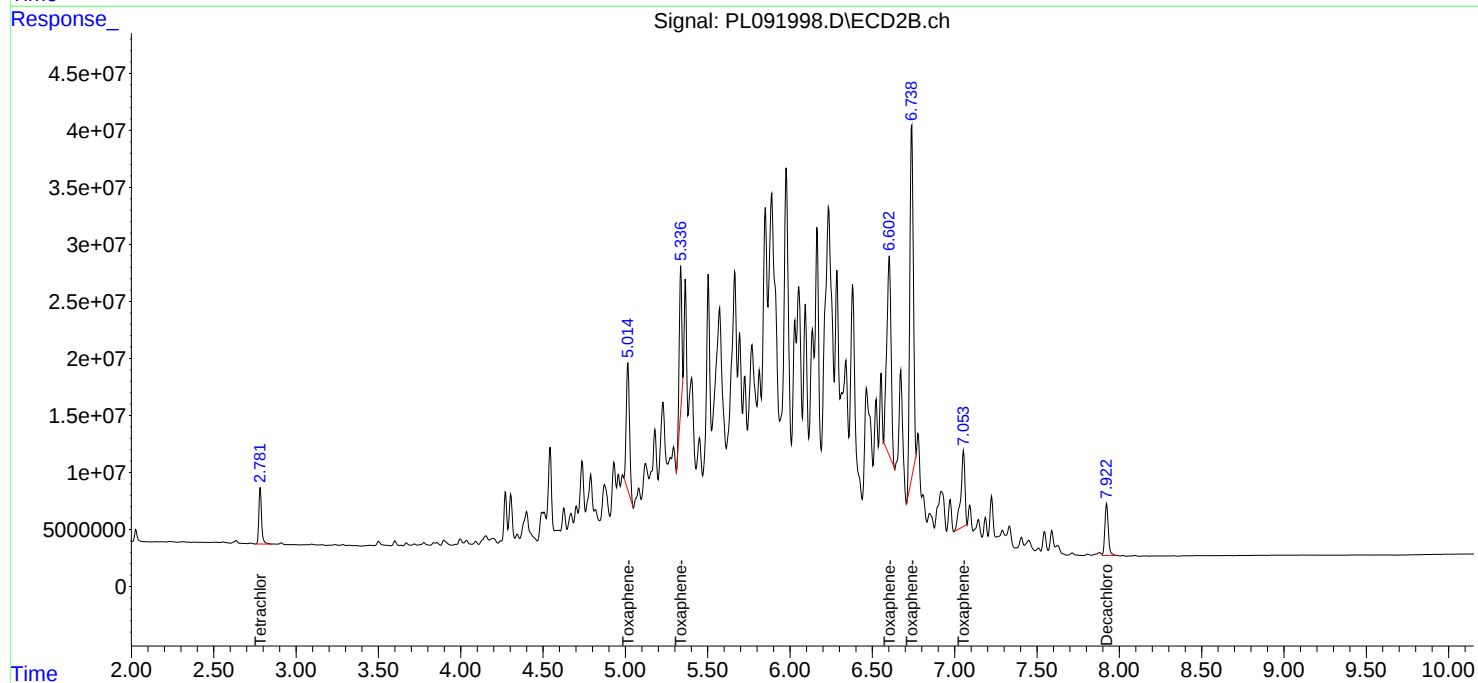
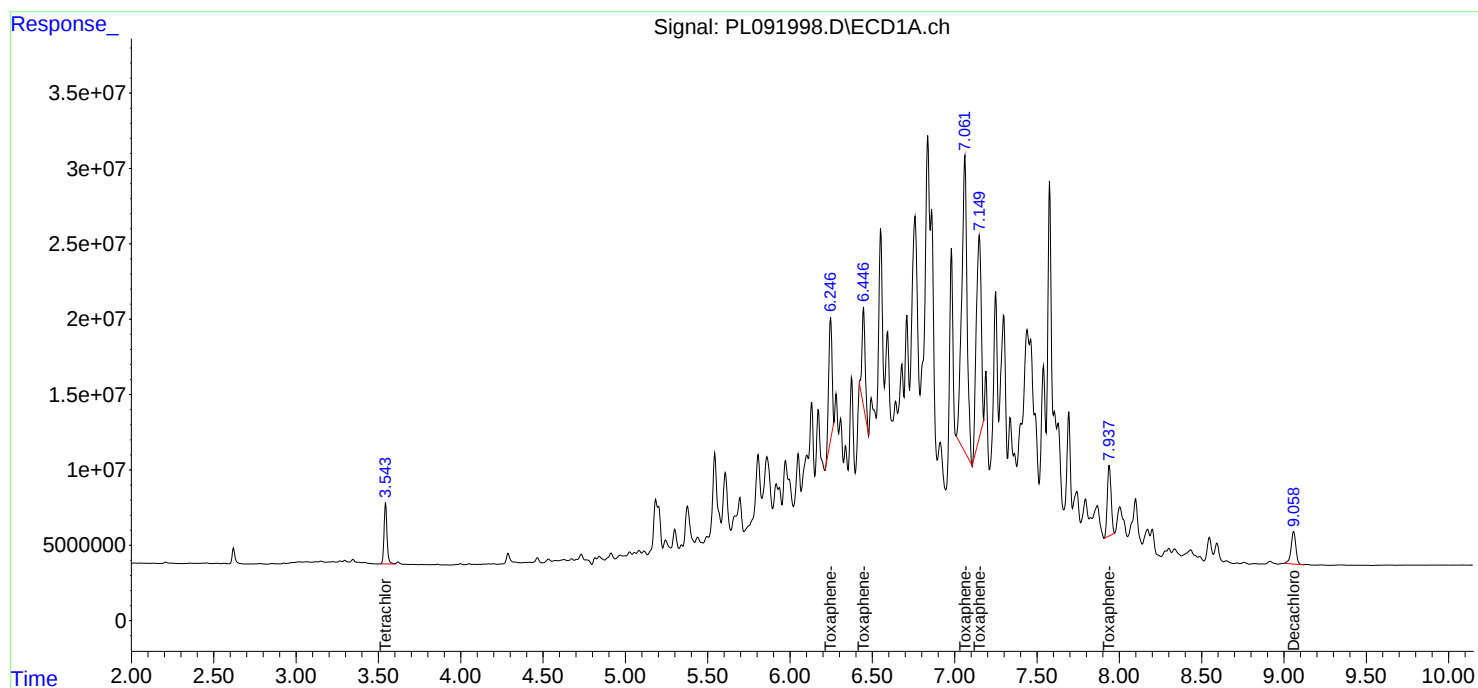
APPROVED

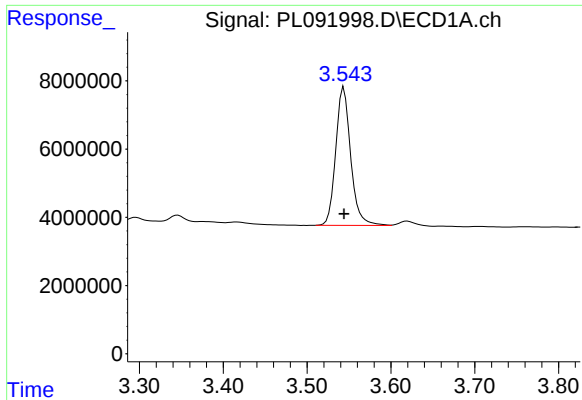
Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:13:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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





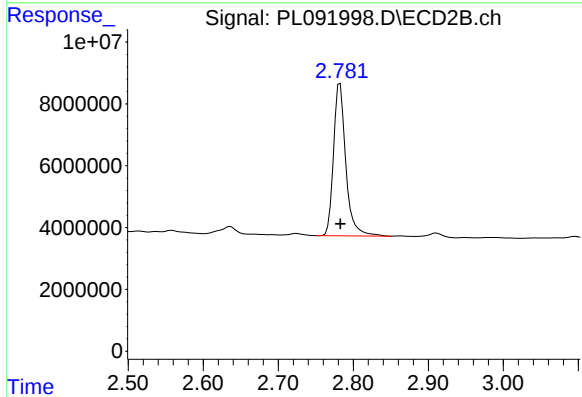
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 50107167
Conc: 22.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-TXP-WP

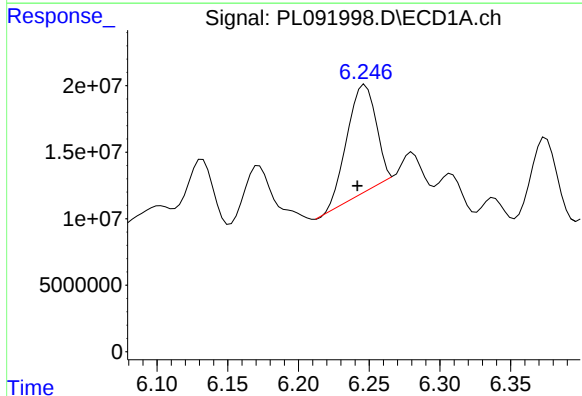
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



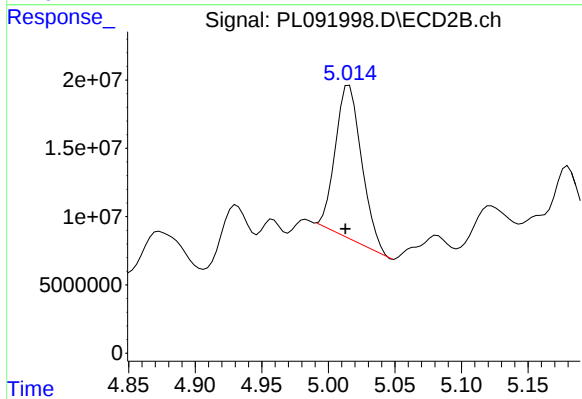
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 56110283
Conc: 21.62 ng/ml



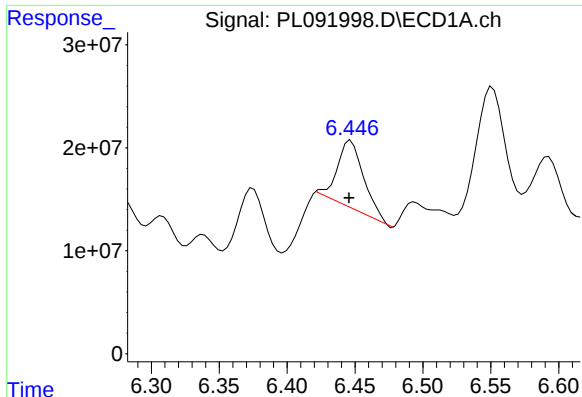
#2 Toxaphene-1

R.T.: 6.246 min
Delta R.T.: 0.004 min
Response: 116508273
Conc: 5025.34 ng/ml m



#2 Toxaphene-1

R.T.: 5.016 min
Delta R.T.: 0.003 min
Response: 150825374
Conc: 8279.72 ng/ml



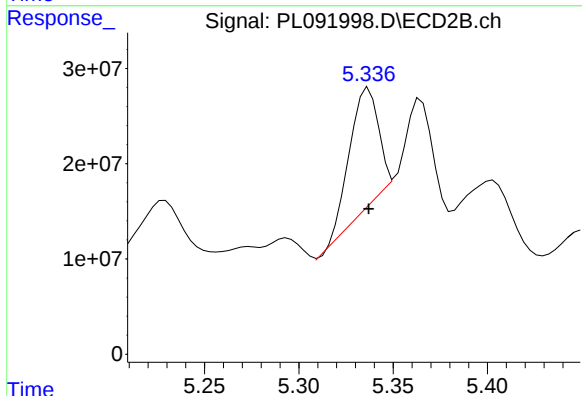
#3 Toxaphene-2

R.T.: 6.447 min
Delta R.T.: 0.001 min
Response: 89115717
Conc: 6173.74 ng/m

Instrument :
ECD_L
ClientSampleId :
PT-TXP-WP

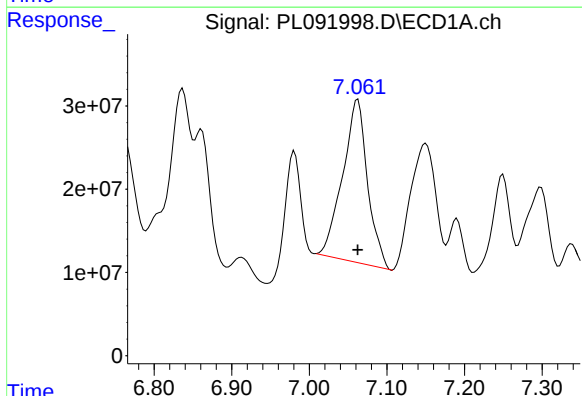
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



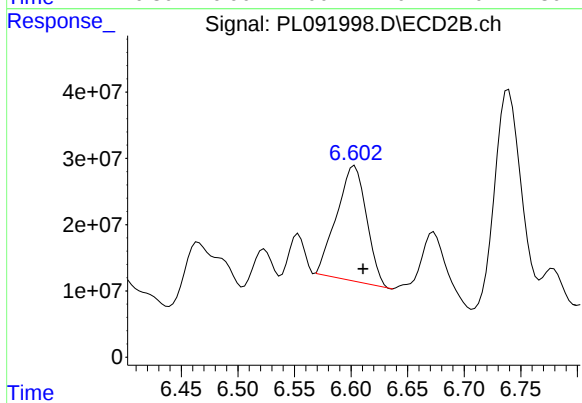
#3 Toxaphene-2

R.T.: 5.336 min
Delta R.T.: -0.001 min
Response: 135681782
Conc: 7761.28 ng/ml m



#4 Toxaphene-3

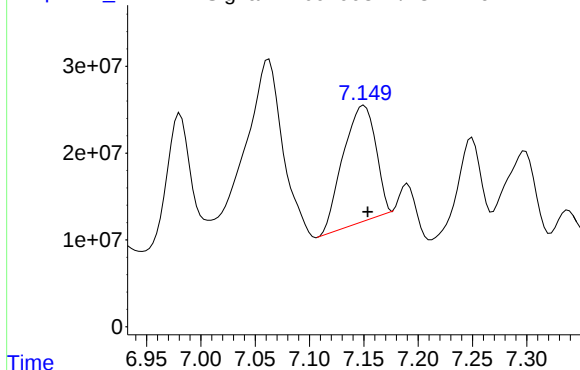
R.T.: 7.063 min
Delta R.T.: 0.000 min
Response: 436327595
Conc: 5994.78 ng/ml



#4 Toxaphene-3

R.T.: 6.603 min
Delta R.T.: -0.007 min
Response: 318343913
Conc: 5156.51 ng/ml

Response_ Signal: PL091998.D\ECD1A.ch



#5 Toxaphene-4

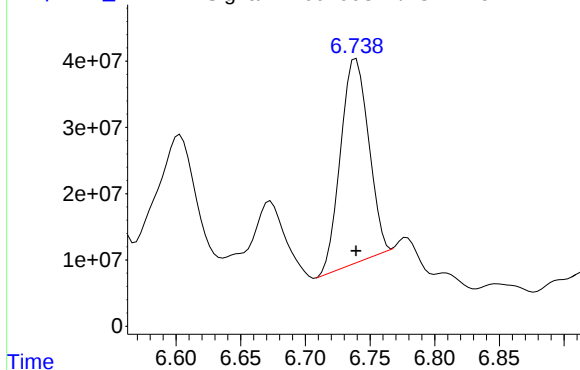
R.T.: 7.150 min
Delta R.T.: -0.003 min
Response: 279263146
Conc: 5058.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-TXP-WP

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024

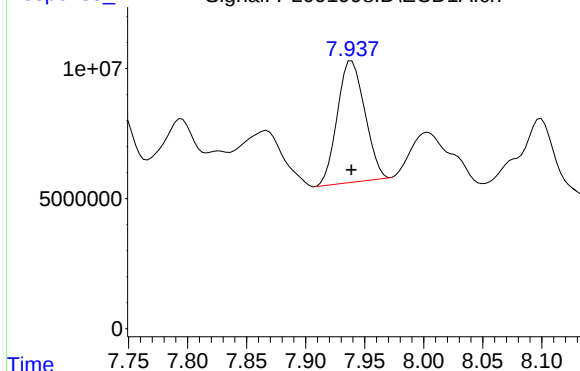
Response_ Signal: PL091998.D\ECD2B.ch



#5 Toxaphene-4

R.T.: 6.739 min
Delta R.T.: 0.000 min
Response: 463067761
Conc: 5270.42 ng/ml

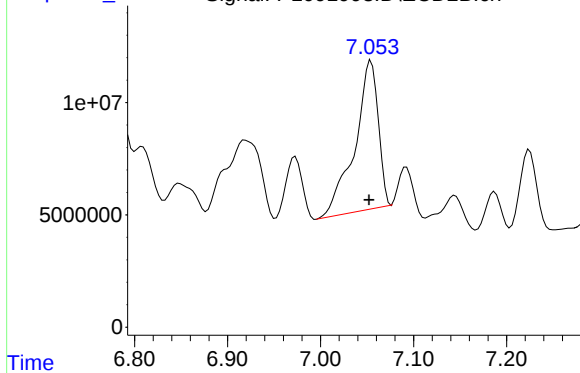
Response_ Signal: PL091998.D\ECD1A.ch



#6 Toxaphene-5

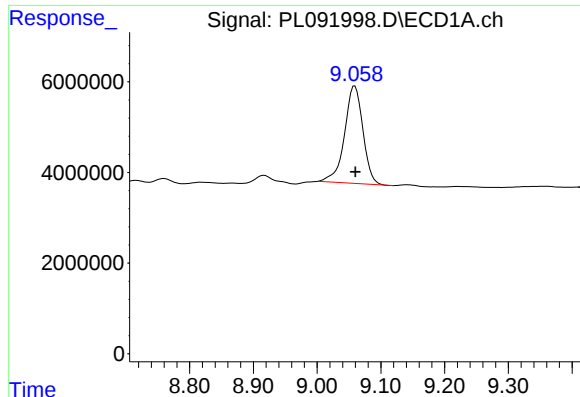
R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 75440072
Conc: 1848.97 ng/ml

Response_ Signal: PL091998.D\ECD2B.ch



#6 Toxaphene-5

R.T.: 7.054 min
Delta R.T.: 0.002 min
Response: 115329761
Conc: 1934.84 ng/ml



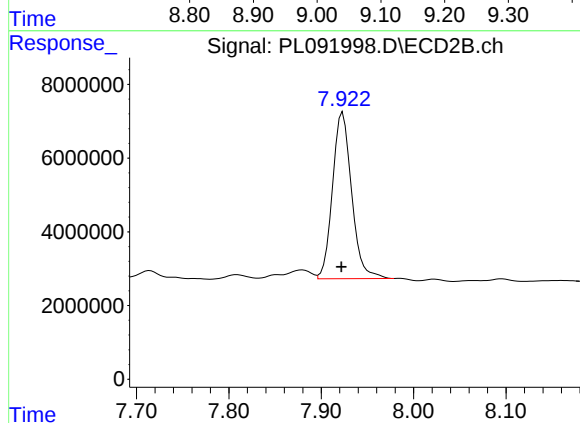
#7 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.000 min
Response: 43030719
Conc: 26.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-TXP-WP

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



#7 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.001 min
Response: 64870570
Conc: 25.16 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/03/24
Project:	NJ Waste Water PT	Date Received:	09/05/24
Client Sample ID:	PT-TXP-WPDL	SDG No.:	P3845
Lab Sample ID:	P3845-13DL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
Prep Method :	3510C	Test:	PESTICIDE Group3
		PH :	
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092001.D	10	09/09/24 10:15	09/24/24 13:54	PB163231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	52.1	D	1.50	10.0	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.5		43 - 140	138%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		77 - 126	115%	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_L\Data\PL092424\
 Data File : PL092001.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Sep 2024 13:54
 Operator : AR\AJ
 Sample : P3845-13DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PT-TXP-WPDL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 25 01:14:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 14:51:37 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.782	5180949	5021195	2.291	1.935
7) SA Decachlor...	9.066	7.924	4529718	6414601	2.750	2.488m
Target Compounds						
2) Toxaphene-1	6.253	5.017	12485188	13038776	538.522m	715.777 #
3) Toxaphene-2	6.454	5.337	8731731	12768325	604.915m	730.375m
4) Toxaphene-3	7.068	6.604	43512143	28288930	597.821	458.222
5) Toxaphene-4	7.157	6.741	28600400	45527598	518.011	518.173
6) Toxaphene-5	7.945	7.055	8331426	10834335	204.196	181.763

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL092001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 13:54
Operator : AR\AJ
Sample : P3845-13DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-TXP-WPDL

Manual Integrations

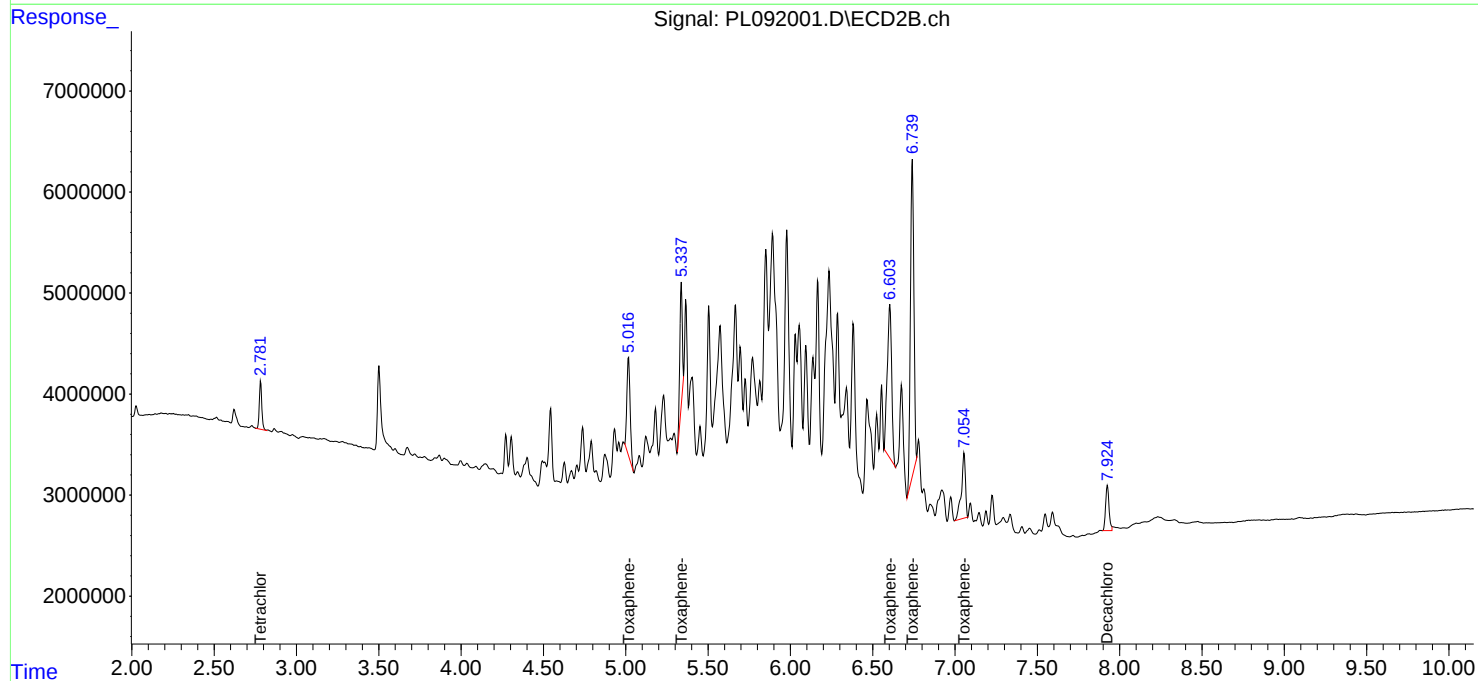
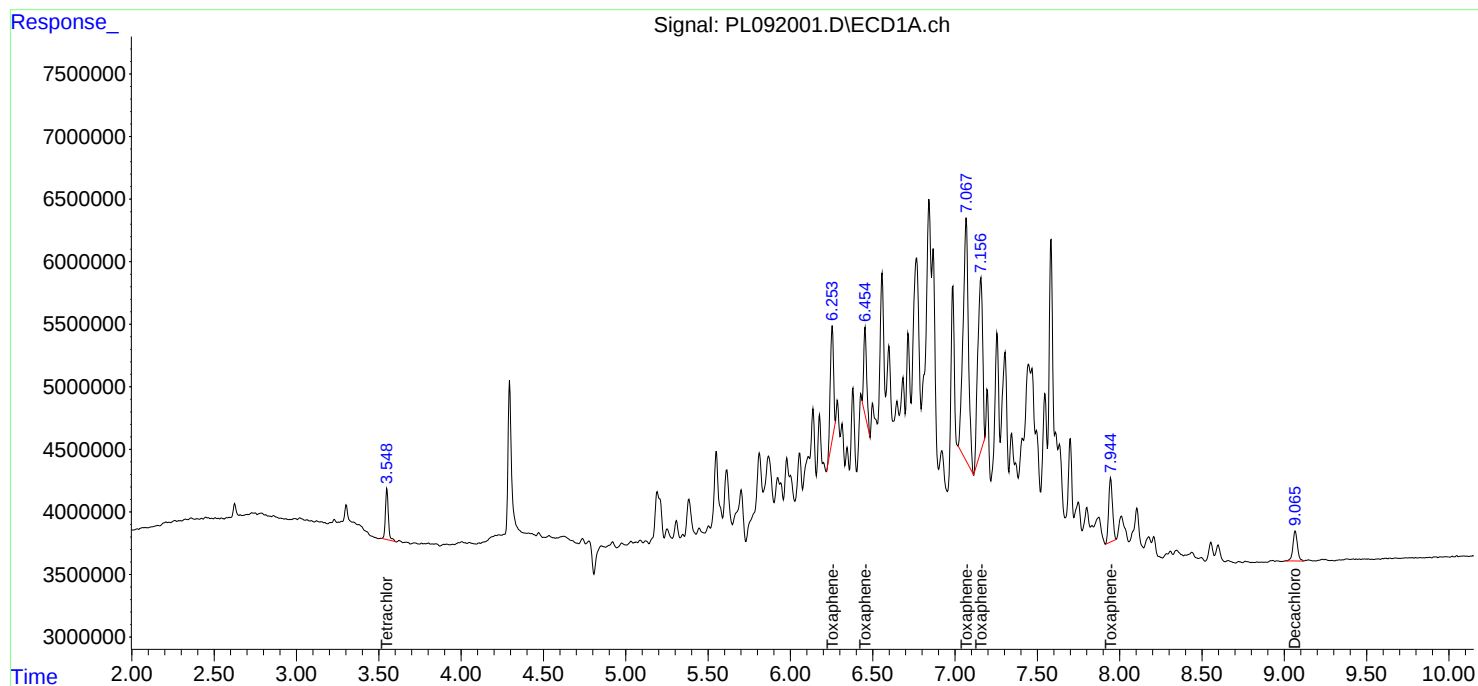
APPROVED

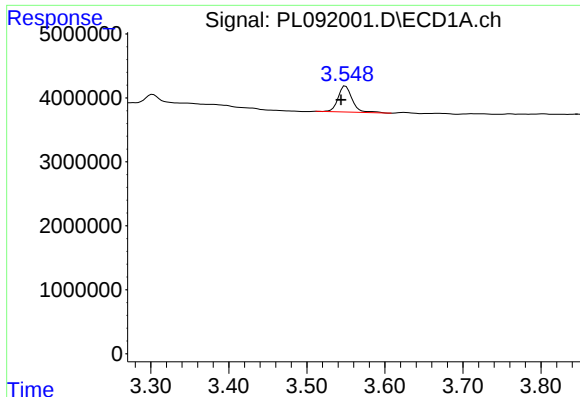
Reviewed By :Abdul Mirza 09/25/2024

Supervised By :Ankita Jodhani 09/25/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:14:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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





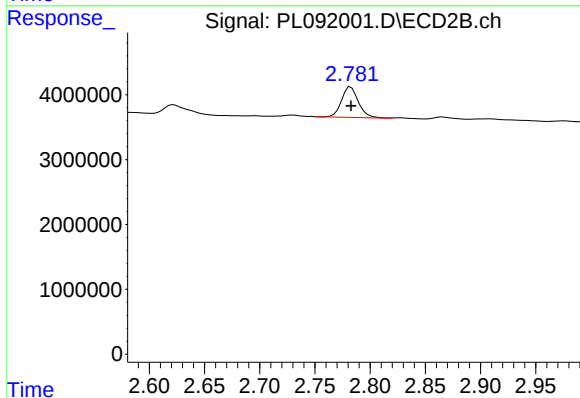
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.006 min
Response: 5180949
Conc: 2.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-TXP-WPDL

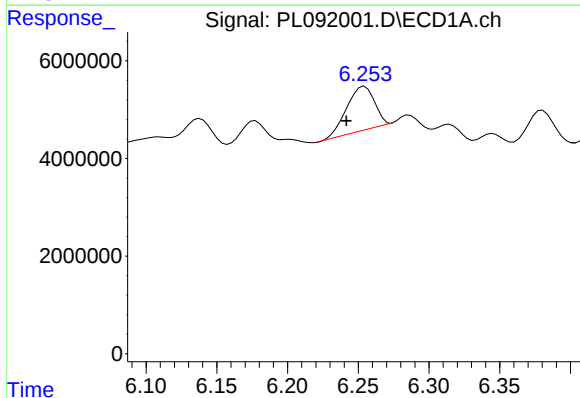
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



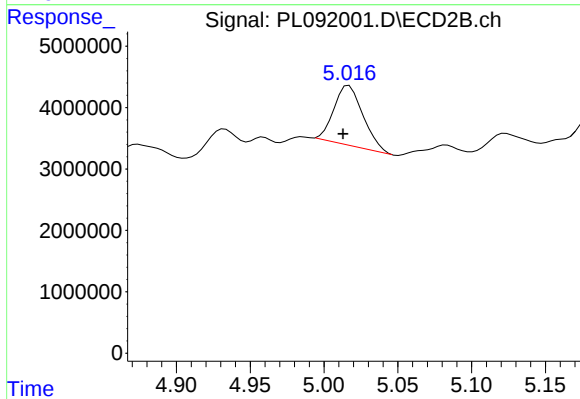
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 5021195
Conc: 1.93 ng/ml



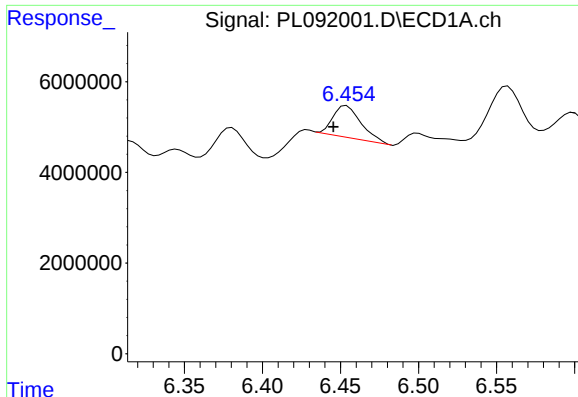
#2 Toxaphene-1

R.T.: 6.253 min
Delta R.T.: 0.011 min
Response: 12485188
Conc: 538.52 ng/ml m



#2 Toxaphene-1

R.T.: 5.017 min
Delta R.T.: 0.004 min
Response: 13038776
Conc: 715.78 ng/ml



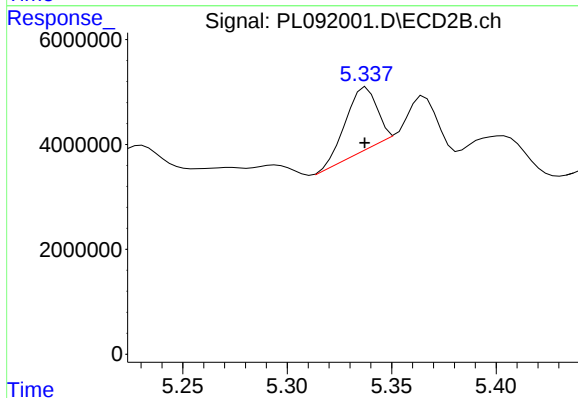
#3 Toxaphene-2

R.T.: 6.454 min
Delta R.T.: 0.008 min
Response: 8731731
Conc: 604.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-TXP-WPDL

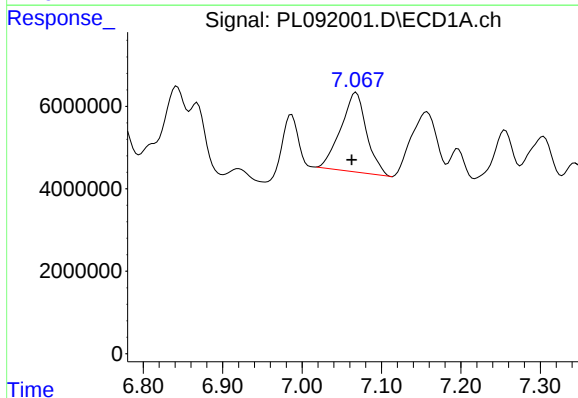
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



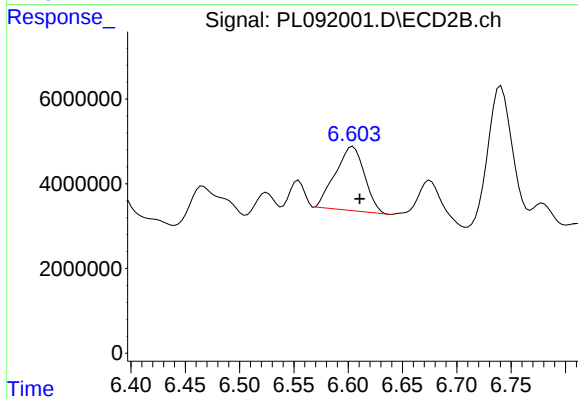
#3 Toxaphene-2

R.T.: 5.337 min
Delta R.T.: 0.000 min
Response: 12768325
Conc: 730.37 ng/ml m



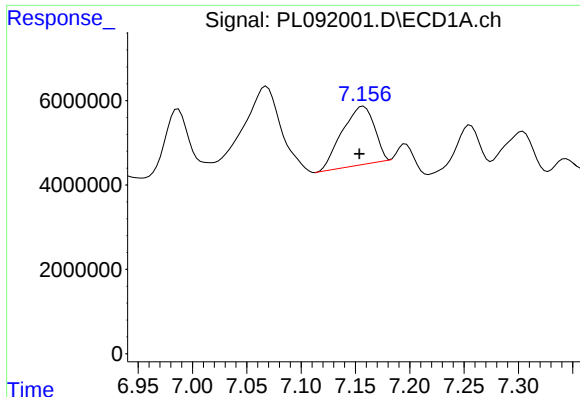
#4 Toxaphene-3

R.T.: 7.068 min
Delta R.T.: 0.006 min
Response: 43512143
Conc: 597.82 ng/ml



#4 Toxaphene-3

R.T.: 6.604 min
Delta R.T.: -0.006 min
Response: 28288930
Conc: 458.22 ng/ml



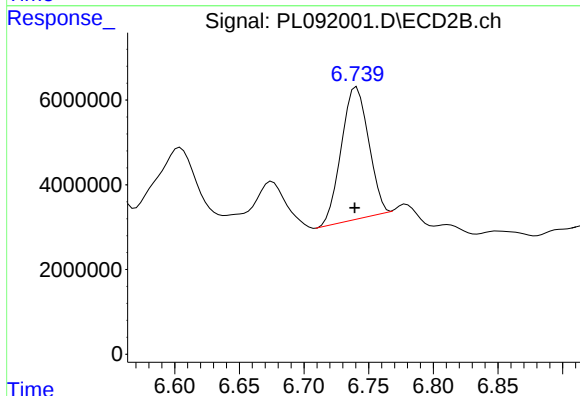
#5 Toxaphene-4

R.T.: 7.157 min
Delta R.T.: 0.004 min
Response: 28600400
Conc: 518.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-TXP-WPDL

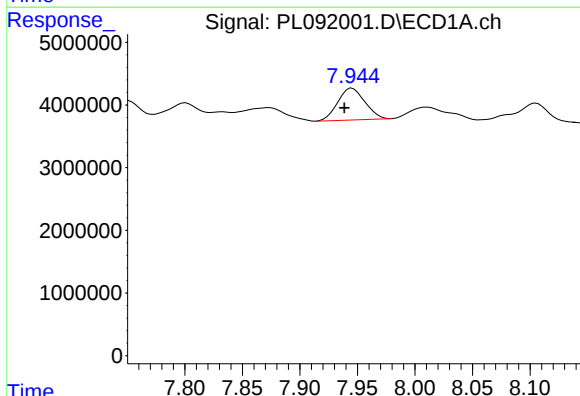
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



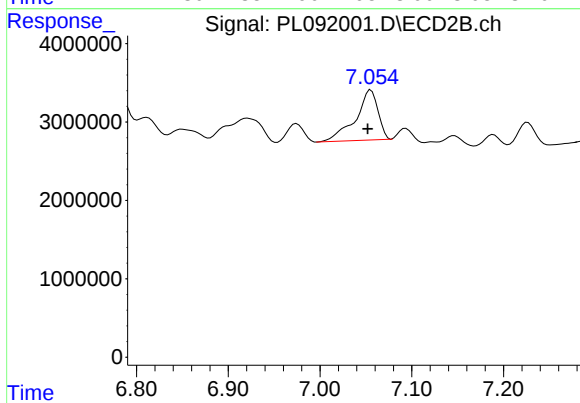
#5 Toxaphene-4

R.T.: 6.741 min
Delta R.T.: 0.002 min
Response: 45527598
Conc: 518.17 ng/ml



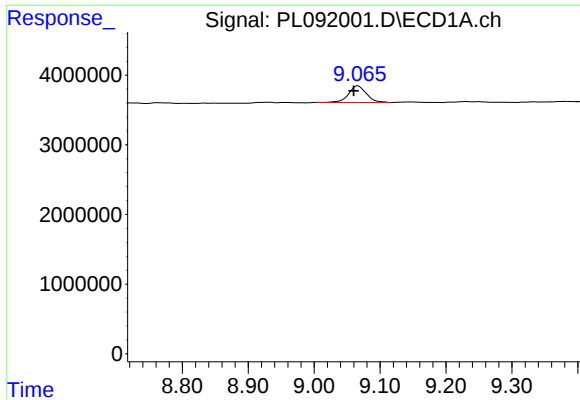
#6 Toxaphene-5

R.T.: 7.945 min
Delta R.T.: 0.007 min
Response: 8331426
Conc: 204.20 ng/ml



#6 Toxaphene-5

R.T.: 7.055 min
Delta R.T.: 0.003 min
Response: 10834335
Conc: 181.76 ng/ml



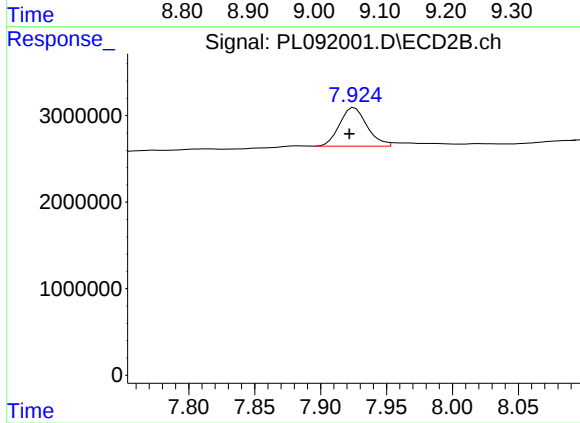
#7 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.006 min
Response: 4529718
Conc: 2.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-TXP-WPDL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/25/2024
Supervised By :Ankita Jodhani 09/25/2024



#7 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.002 min
Response: 6414601
Conc: 2.49 ng/ml m



CALIBRATION SUMMARY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/09/2024 09/09/2024
Calibration Times: 17:47 18:42

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

LAB FILE ID:	RT 1000 = <u>PL091581.D</u>	RT 750 = <u>PL091582.D</u>
RT 500 = <u>PL091583.D</u>	RT 250 = <u>PL091584.D</u>	RT 100 = <u>PL091585.D</u>

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 100	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64
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)	7.06	7.06	7.06	7.06	7.06	7.06	6.96	7.16
Toxaphene-4 (4)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Toxaphene-5 (5)	7.93	7.93	7.93	7.93	7.93	7.93	7.83	8.03

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/09/2024 09/09/2024
Calibration Times: 17:47 18:42

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

LAB FILE ID:	RT 1000 = <u>PL091581.D</u>	RT 750 = <u>PL091582.D</u>
RT 500 = <u>PL091583.D</u>	RT 250 = <u>PL091584.D</u>	RT 100 = <u>PL091585.D</u>

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 100	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Toxaphene-1 (1)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Toxaphene-2 (2)	5.34	5.34	5.34	5.34	5.34	5.34	5.24	5.44
Toxaphene-3 (3)	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Toxaphene-4 (4)	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Toxaphene-5 (5)	7.05	7.05	7.05	7.05	7.04	7.05	6.95	7.15

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/09/2024 09/09/2024
Calibration Times: 17:47 18:42
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:							CF 1000 =	<u>PL091581.D</u>	CF 750 =	<u>PL091582.D</u>
CF 500 =		<u>PL091583.D</u>	CF 250 =		<u>PL091584.D</u>	CF 100 =		<u>PL091585.D</u>		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 100	CF	% RSD		
Decachlorobiphenyl		113432000	116047000	122673000	129704000	148543000	126080000	11		
Tetrachloro-m-xylene		152818000	150942000	159517000	168643000	184086000	163201000	8		
Toxaphene-1	(1)	9522260	9315910	9608330	10313000	9131070	9578120	5		
Toxaphene-2	(2)	8733420	9004920	8872600	9007260	8967820	8917210	1		
Toxaphene-3	(3)	45470200	45002500	46036900	46191500	48429300	46226100	3		
Toxaphene-4	(4)	35490500	35683500	37099600	39259300	46751800	38856900	12		
Toxaphene-5	(5)	26323600	26374700	27662800	27922400	30452900	27747300	6		

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/09/2024 09/09/2024
Calibration Times: 17:47 18:42
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PL091581.D</u>		CF 750 = <u>PL091582.D</u>				
CF 500 = <u>PL091583.D</u>		CF 250 = <u>PL091584.D</u>		CF 100 = <u>PL091585.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 100	CF	% RSD
Decachlorobiphenyl		175265000	177475000	186934000	191959000	208405000	188008000	7
Tetrachloro-m-xylene		196591000	192205000	200076000	206227000	215739000	202167000	5
Toxaphene-1	(1)	12672600	12621100	12463700	12773900	15368000	13179800	9
Toxaphene-2	(2)	11816000	11648200	11845100	13114700	14975100	12679800	11
Toxaphene-3	(3)	41915900	41174100	41814100	40812100	43414800	41826200	2
Toxaphene-4	(4)	57246600	56416700	55089200	53979100	53335400	55213400	3
Toxaphene-5	(5)	41517500	41677300	44776300	48465400	61145200	47516300	17

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 17:47
Operator : AR\AJ
Sample : PTOXICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:49:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:48:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	152.8E6	196.6E6	97.855	99.122
7) SA Decachlor...	9.054	7.920	113.4E6	175.3E6	96.086	96.778
Target Compounds						
2) Toxaphene-1	6.238	5.011	9522262	12672595	995.501	1008.310
3) Toxaphene-2	6.442	5.336	8733422	11815951	992.095	998.768
4) Toxaphene-3	7.059	6.608	45470219	41915856	993.808	1001.216
5) Toxaphene-4	7.151	6.738	35490521	57246570	977.833	1019.205
6) Toxaphene-5	7.934	7.049	26323614	41517478	975.194	962.236

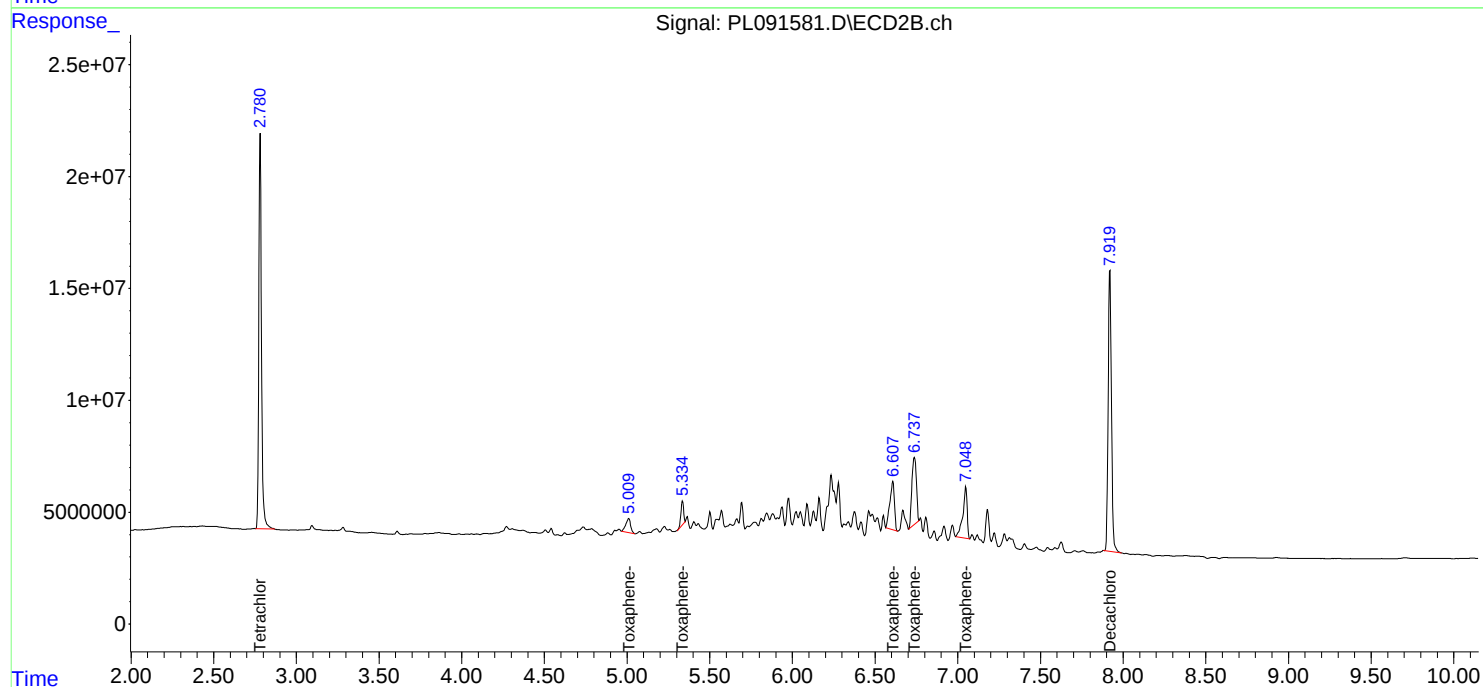
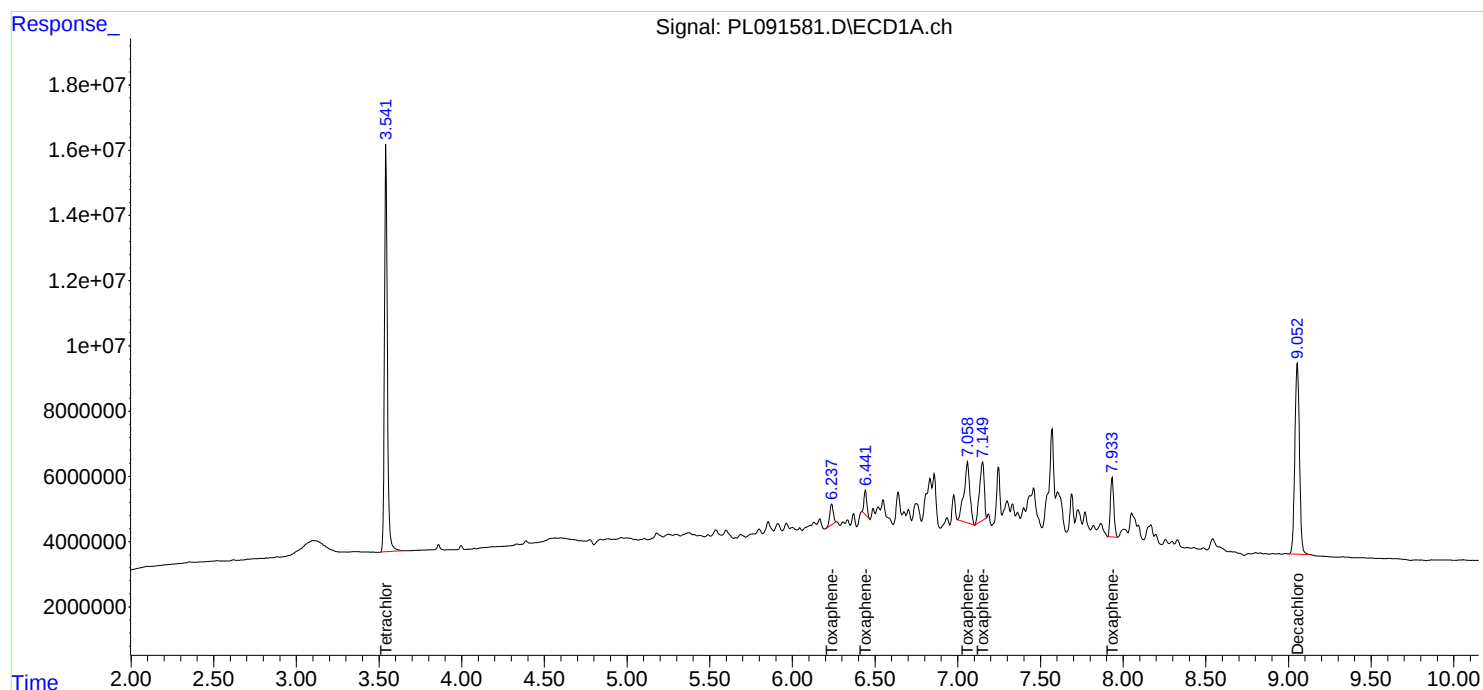
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

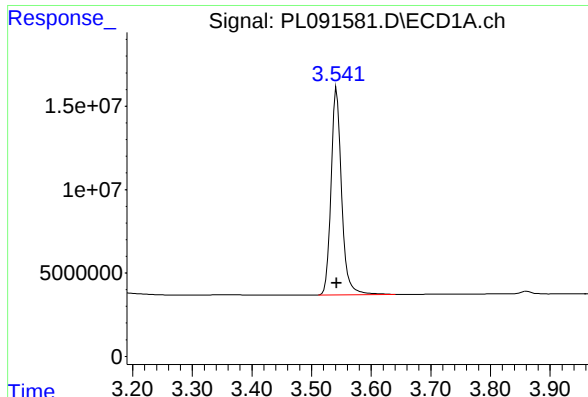
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 17:47
Operator : AR\AJ
Sample : PTOXICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:49:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:48:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

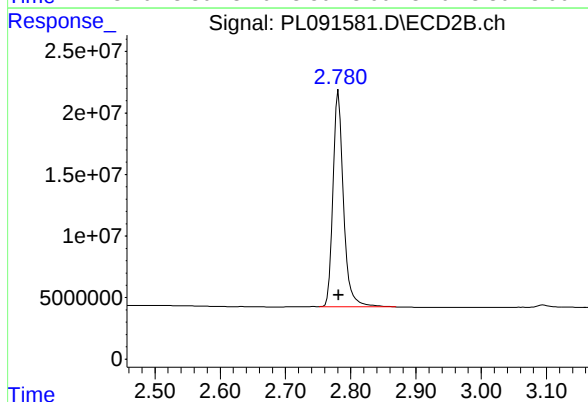




#1 Tetrachloro-m-xylene

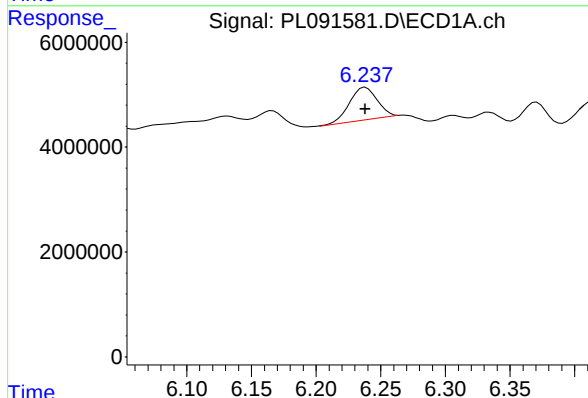
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 152817907
Conc: 97.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000



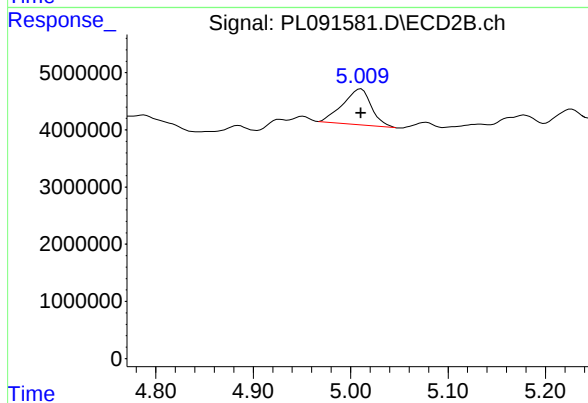
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 196591377
Conc: 99.12 ng/ml



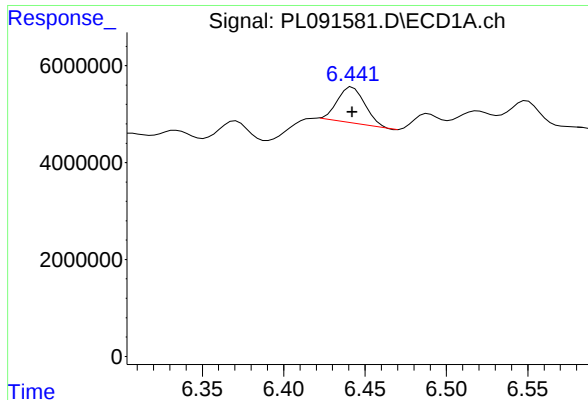
#2 Toxaphene-1

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 9522262
Conc: 995.50 ng/ml



#2 Toxaphene-1

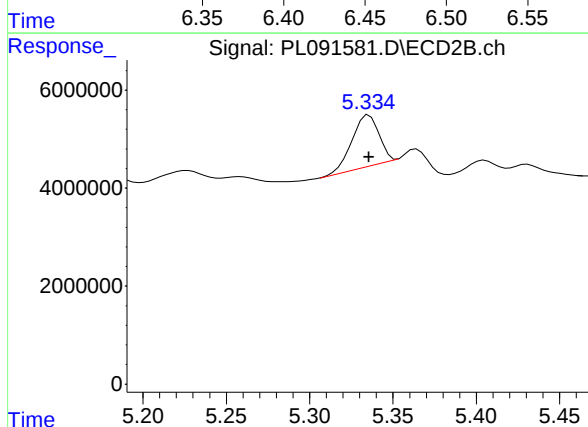
R.T.: 5.011 min
Delta R.T.: 0.000 min
Response: 12672595
Conc: 1008.31 ng/ml



#3 Toxaphene-2

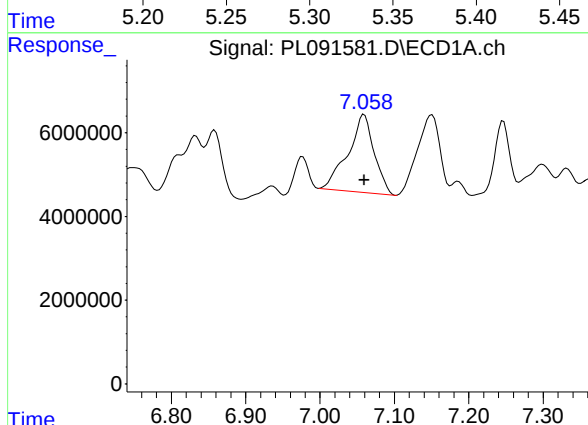
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 8733422
Conc: 992.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000



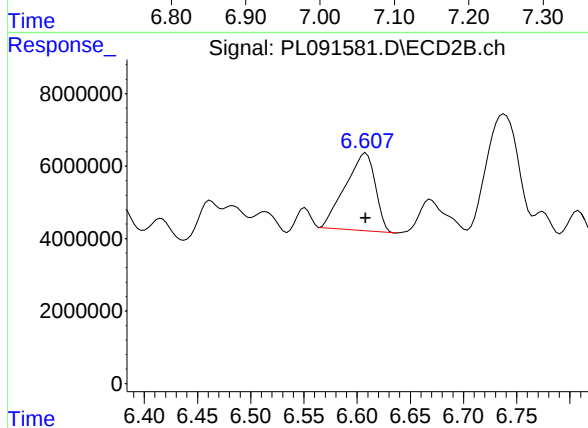
#3 Toxaphene-2

R.T.: 5.336 min
Delta R.T.: 0.000 min
Response: 11815951
Conc: 998.77 ng/ml



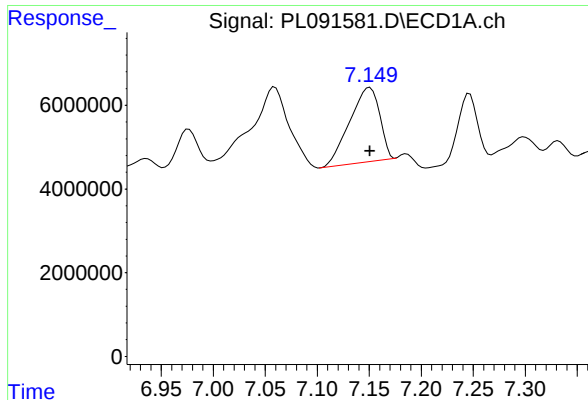
#4 Toxaphene-3

R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 45470219
Conc: 993.81 ng/ml



#4 Toxaphene-3

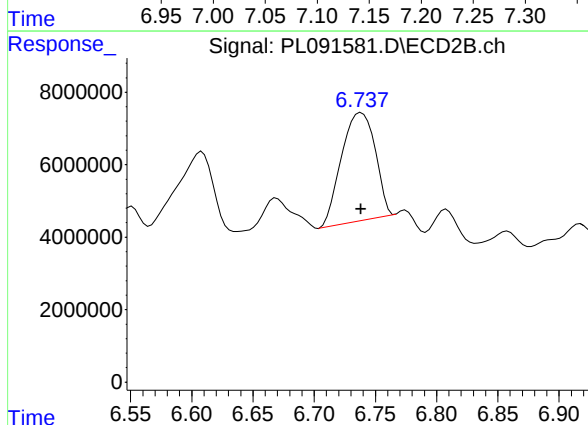
R.T.: 6.608 min
Delta R.T.: 0.000 min
Response: 41915856
Conc: 1001.22 ng/ml



#5 Toxaphene-4

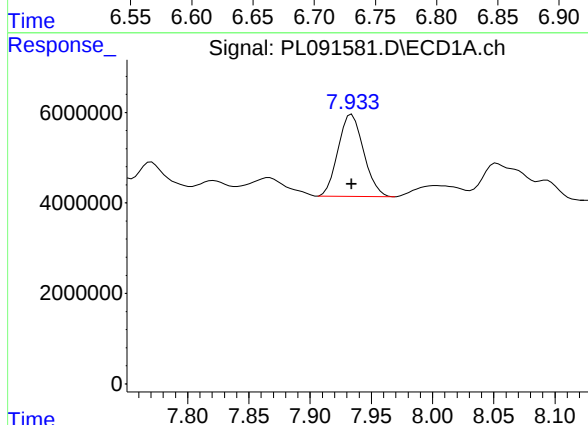
R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 35490521
Conc: 977.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000



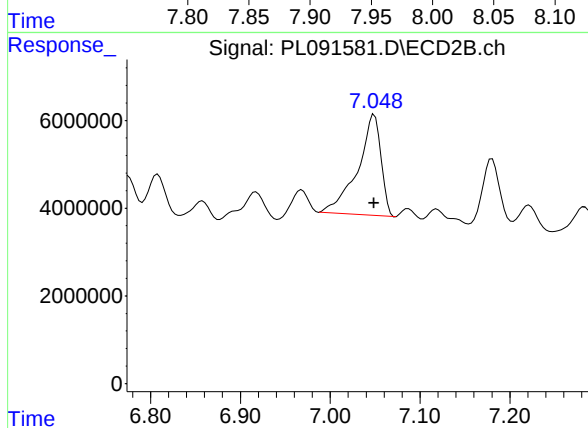
#5 Toxaphene-4

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 57246570
Conc: 1019.21 ng/ml



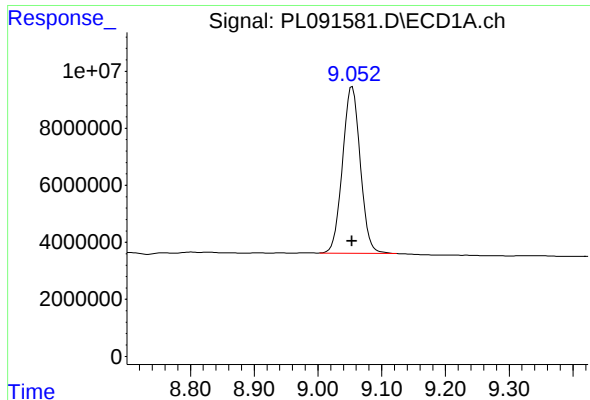
#6 Toxaphene-5

R.T.: 7.934 min
Delta R.T.: 0.000 min
Response: 26323614
Conc: 975.19 ng/ml



#6 Toxaphene-5

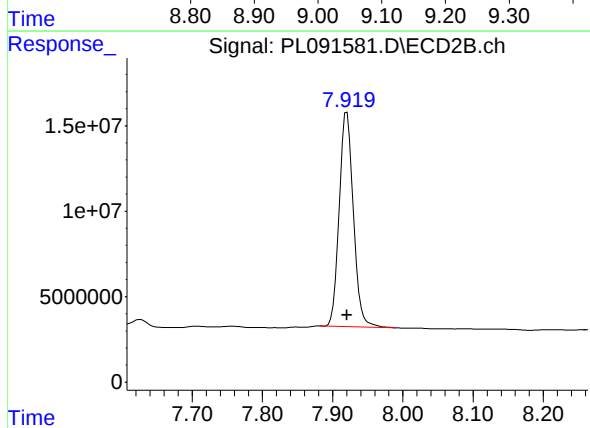
R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 41517478
Conc: 962.24 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 113432383
Conc: 96.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000



#7 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: 0.000 min
Response: 175264527
Conc: 96.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:01
Operator : AR\AJ
Sample : PTOXICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_L

Client SampleId :

PTOXICC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:50:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.782	113.2E6	144.2E6	73.308	73.439
7) SA Decachlor...	9.054	7.920	87035148	133.1E6	74.146	73.993
Target Compounds						
2) Toxaphene-1	6.238	5.010	6986934	9465797	736.850	752.102
3) Toxaphene-2	6.441	5.336	6753691	8736140	765.532m	742.254
4) Toxaphene-3	7.059	6.608	33751881	30880574	741.747	741.703
5) Toxaphene-4	7.150	6.736	26762588	42312545	741.527	752.212
6) Toxaphene-5	7.933	7.049	19781036	31257946	738.455	732.774

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091582.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:01
Operator : AR\AJ
Sample : PTOXICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PTOXICC750

Manual Integrations

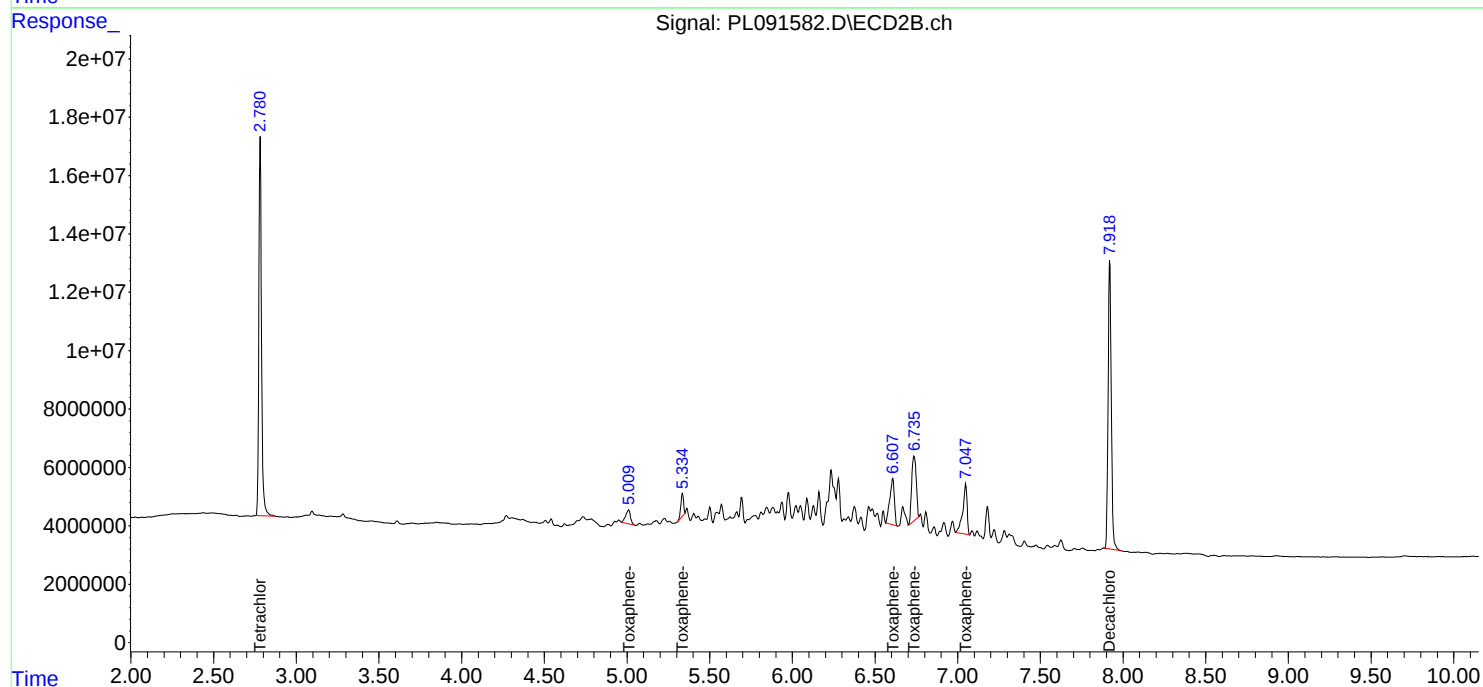
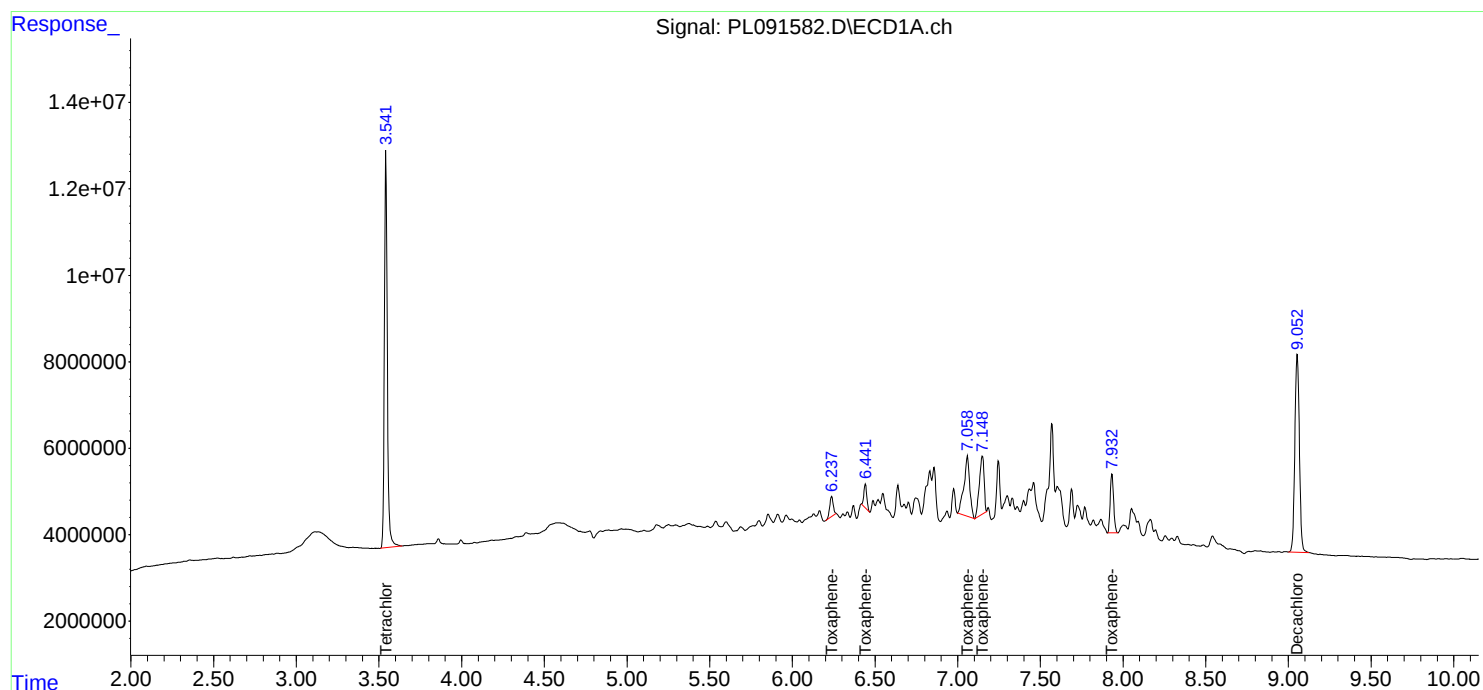
APPROVED

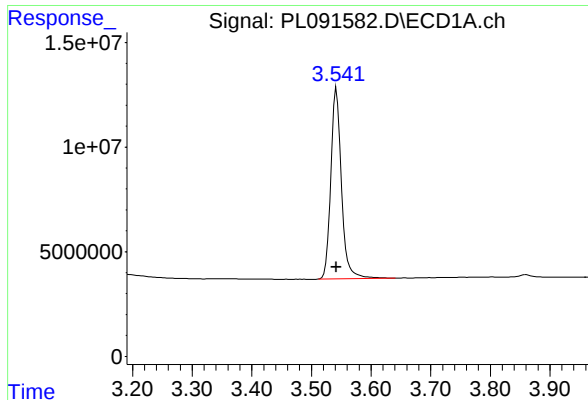
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:50:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





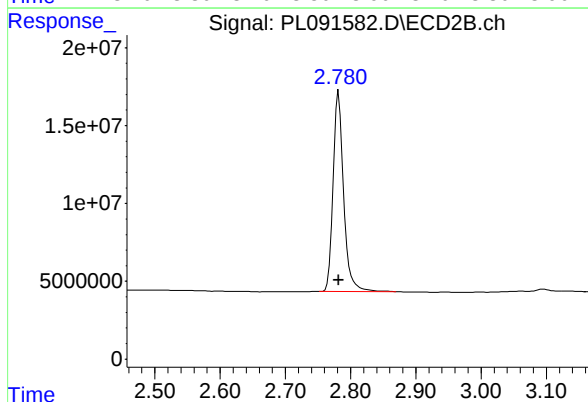
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 113206855
Conc: 73.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC750

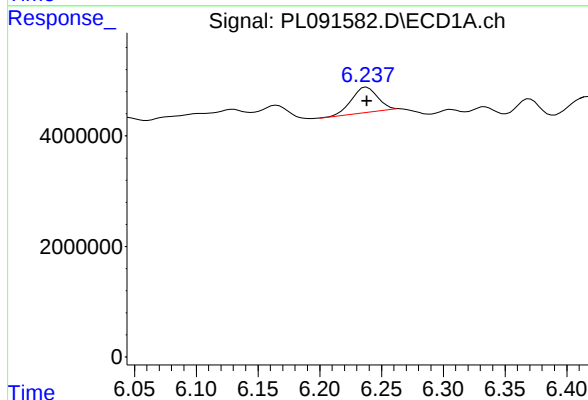
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



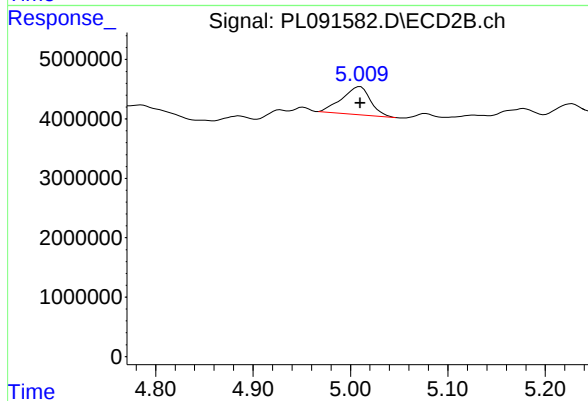
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 144153378
Conc: 73.44 ng/ml



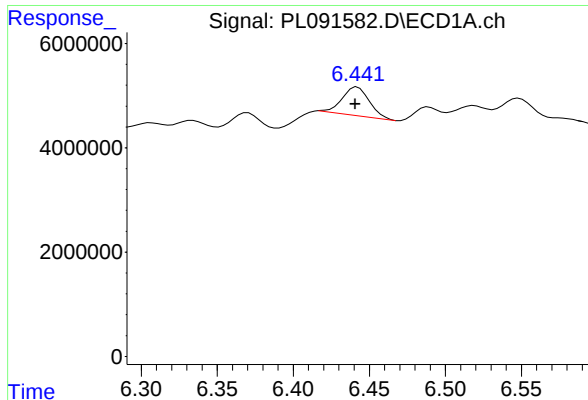
#2 Toxaphene-1

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 6986934
Conc: 736.85 ng/ml



#2 Toxaphene-1

R.T.: 5.010 min
Delta R.T.: 0.000 min
Response: 9465797
Conc: 752.10 ng/ml



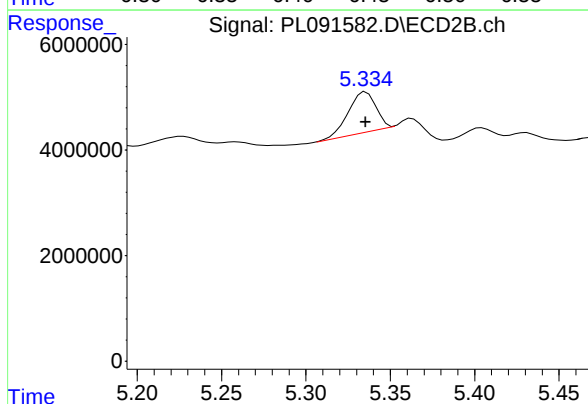
#3 Toxaphene-2

R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 6753691
Conc: 765.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC750

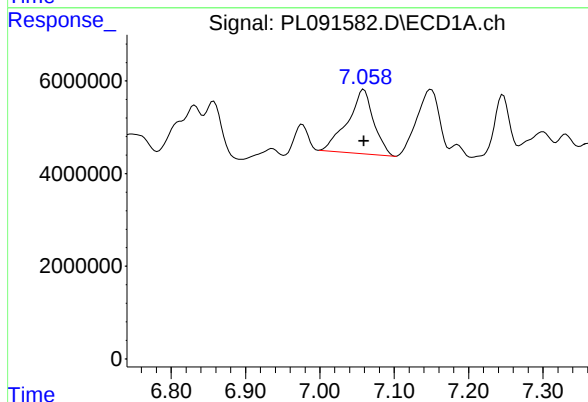
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



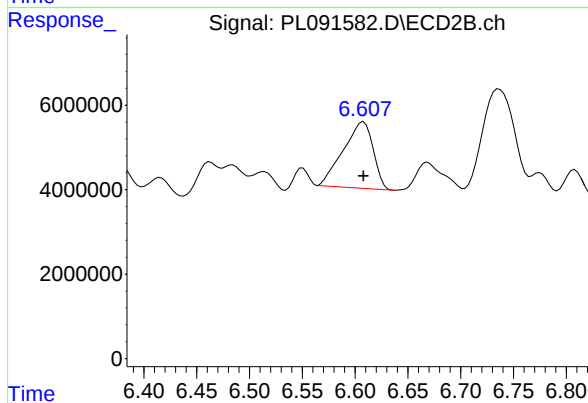
#3 Toxaphene-2

R.T.: 5.336 min
Delta R.T.: 0.000 min
Response: 8736140
Conc: 742.25 ng/ml



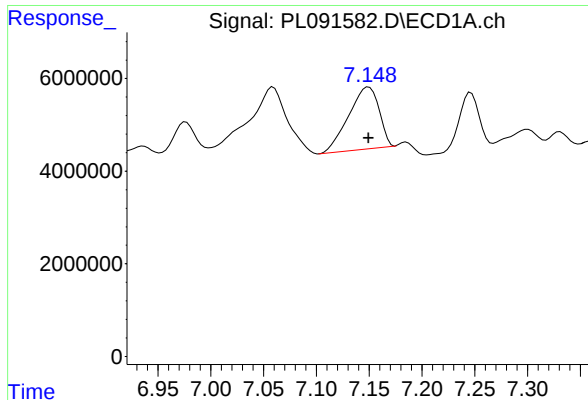
#4 Toxaphene-3

R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 33751881
Conc: 741.75 ng/ml



#4 Toxaphene-3

R.T.: 6.608 min
Delta R.T.: 0.000 min
Response: 30880574
Conc: 741.70 ng/ml



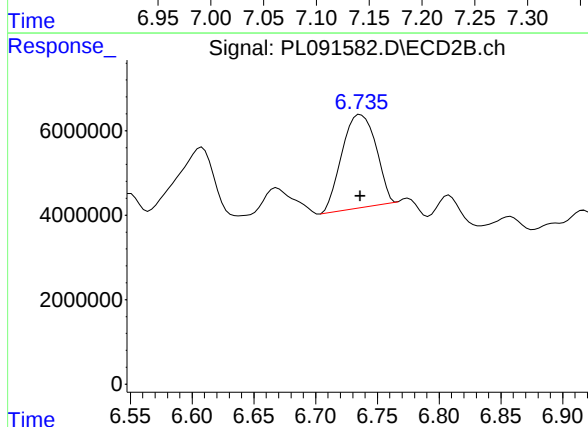
#5 Toxaphene-4

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 26762588
Conc: 741.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC750

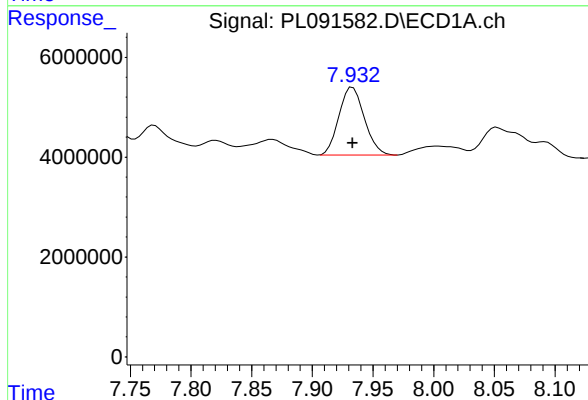
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



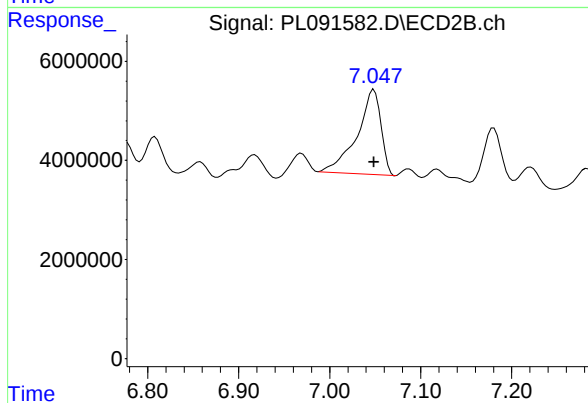
#5 Toxaphene-4

R.T.: 6.736 min
Delta R.T.: 0.000 min
Response: 42312545
Conc: 752.21 ng/ml



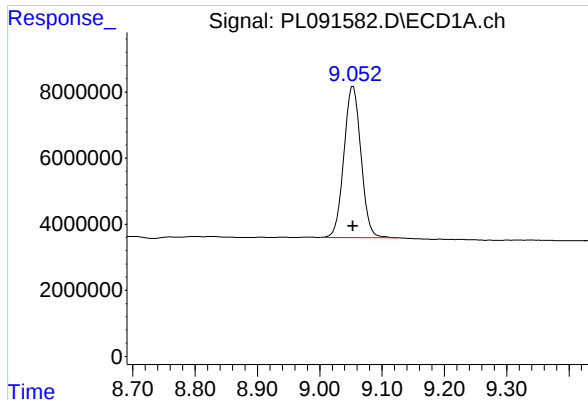
#6 Toxaphene-5

R.T.: 7.933 min
Delta R.T.: 0.000 min
Response: 19781036
Conc: 738.46 ng/ml



#6 Toxaphene-5

R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 31257946
Conc: 732.77 ng/ml



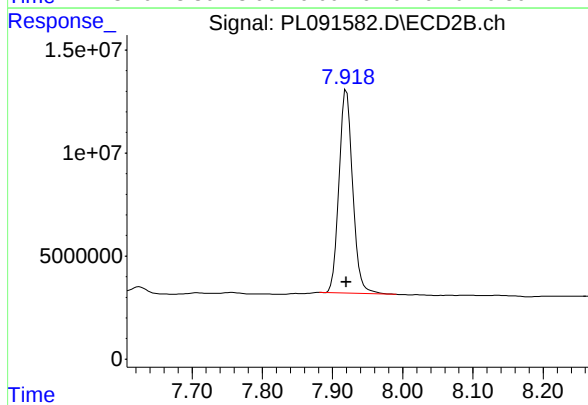
#7 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 87035148
Conc: 74.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



#7 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: 0.000 min
Response: 133106212
Conc: 73.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:14
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:44:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:44:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.782	79758513	100.0E6	50.000	50.000
7) SA Decachlor...	9.054	7.921	61336379	93467150	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.238	5.010	4804166	6231855	500.000	500.000
3) Toxaphene-2	6.442	5.336	4436300	5922548	500.000	500.000
4) Toxaphene-3	7.059	6.609	23018431	20907035	500.000	500.000
5) Toxaphene-4	7.150	6.738	18549810	27544576	500.000	500.000
6) Toxaphene-5	7.934	7.048	13831400	22388140	500.000	500.000

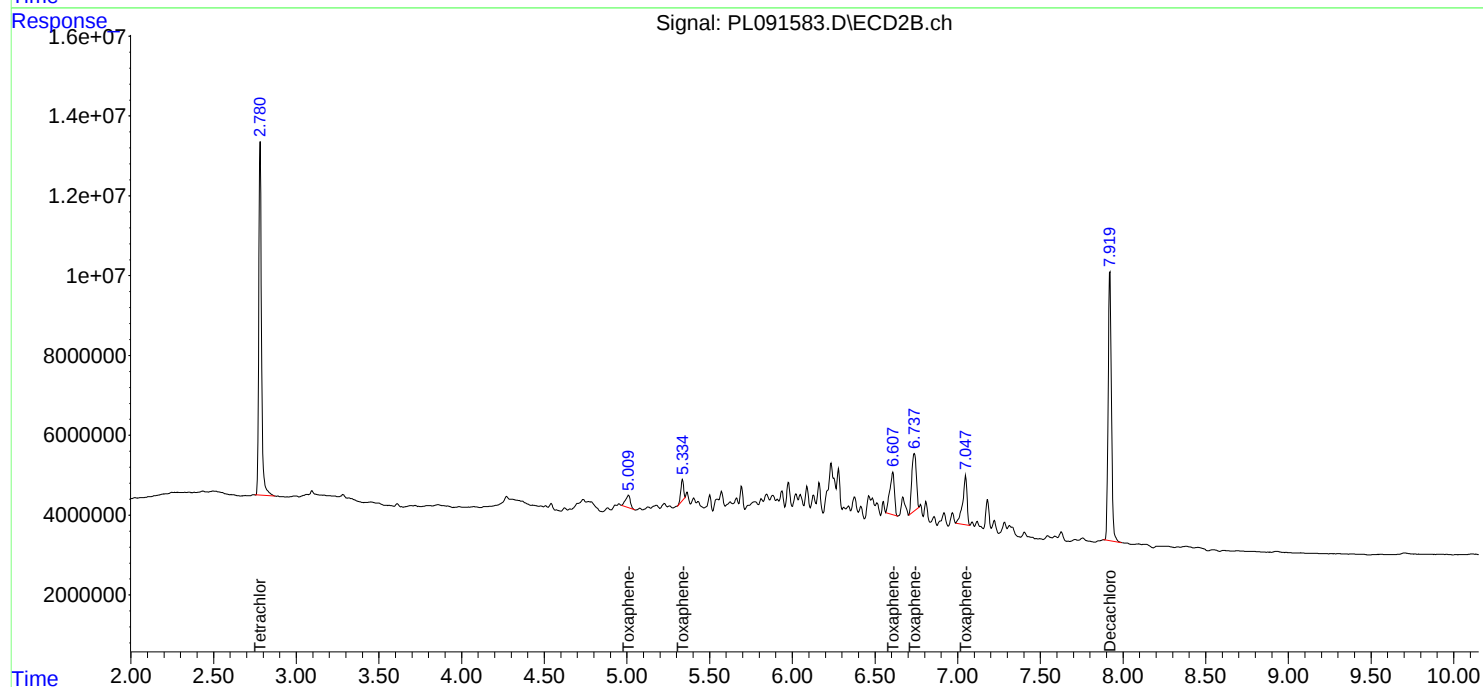
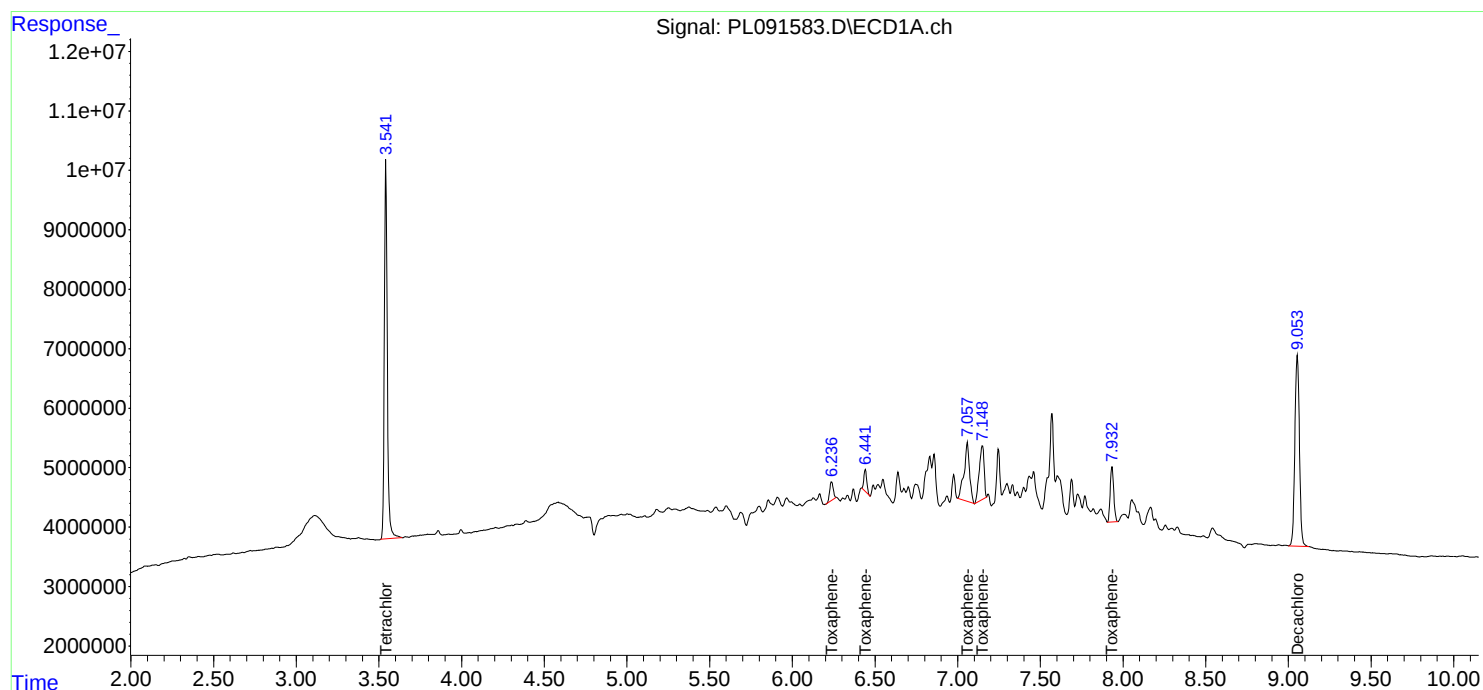
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

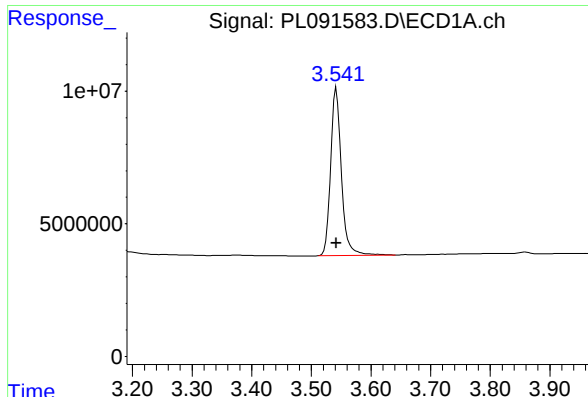
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:14
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:44:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:44:41 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

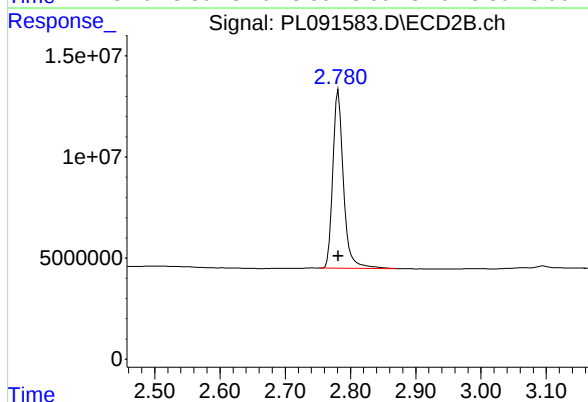




#1 Tetrachloro-m-xylene

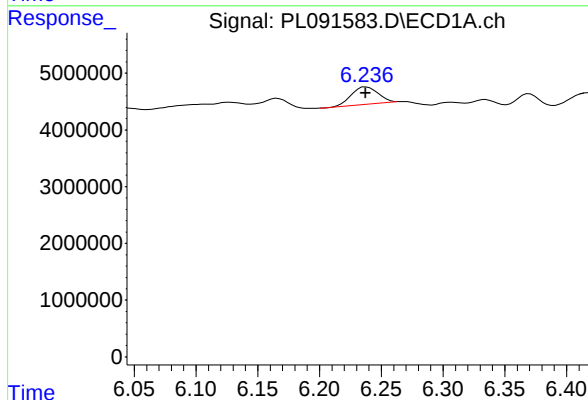
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 79758513
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



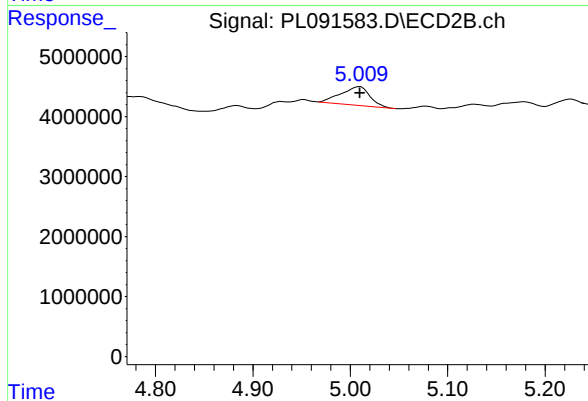
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 100037989
Conc: 50.00 ng/ml



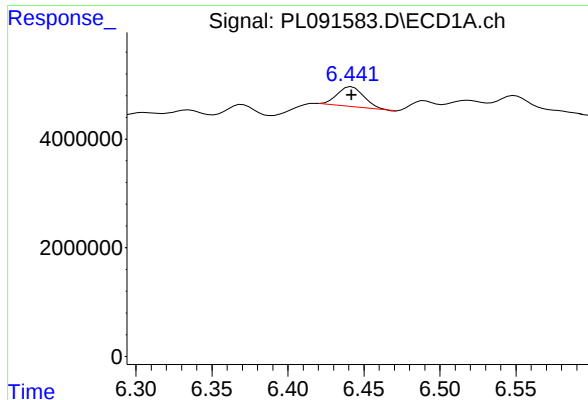
#2 Toxaphene-1

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 4804166
Conc: 500.00 ng/ml



#2 Toxaphene-1

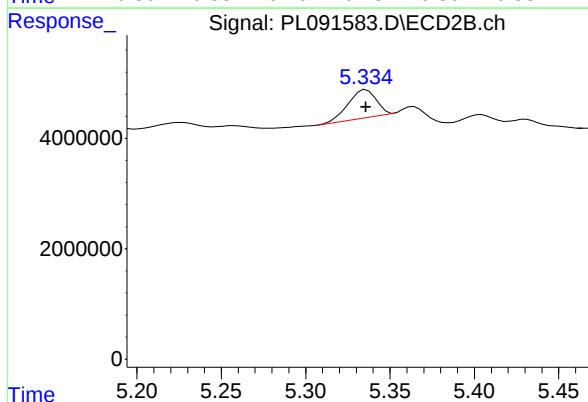
R.T.: 5.010 min
Delta R.T.: 0.000 min
Response: 6231855
Conc: 500.00 ng/ml



#3 Toxaphene-2

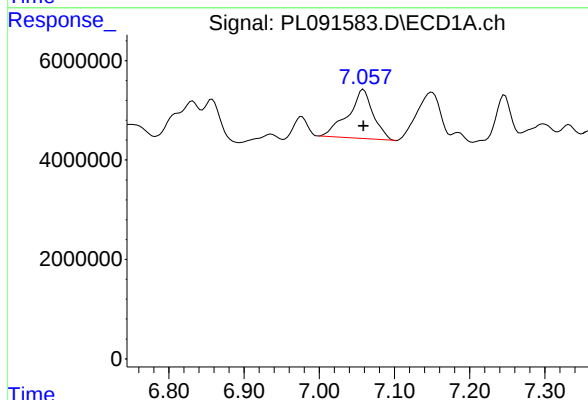
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 4436300
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



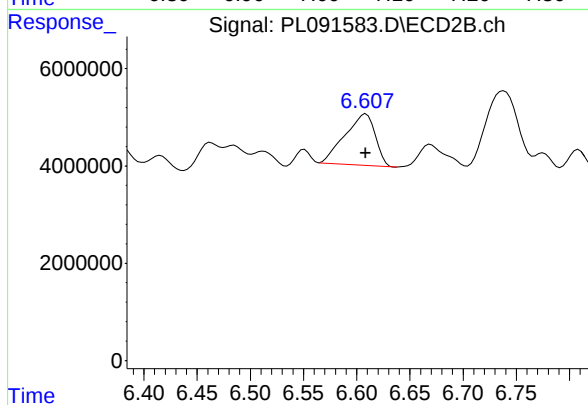
#3 Toxaphene-2

R.T.: 5.336 min
Delta R.T.: 0.000 min
Response: 5922548
Conc: 500.00 ng/ml



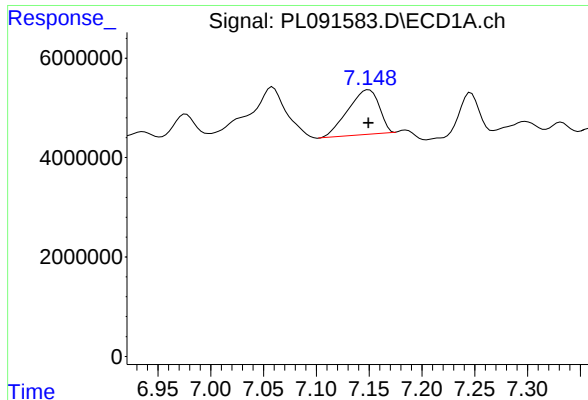
#4 Toxaphene-3

R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 23018431
Conc: 500.00 ng/ml



#4 Toxaphene-3

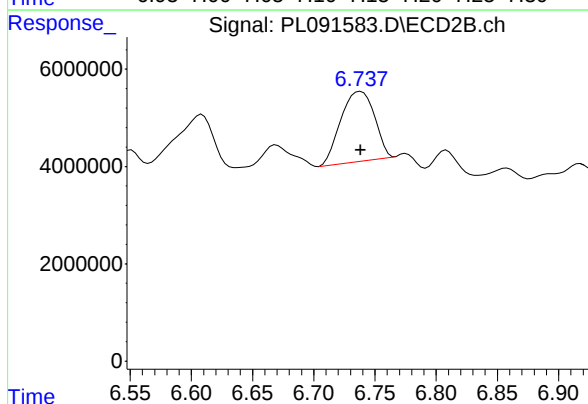
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 20907035
Conc: 500.00 ng/ml



#5 Toxaphene-4

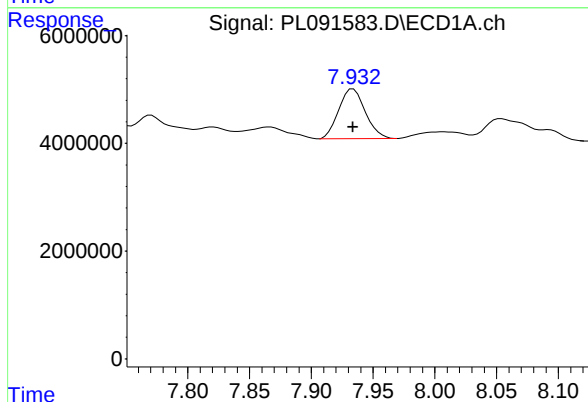
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 18549810
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



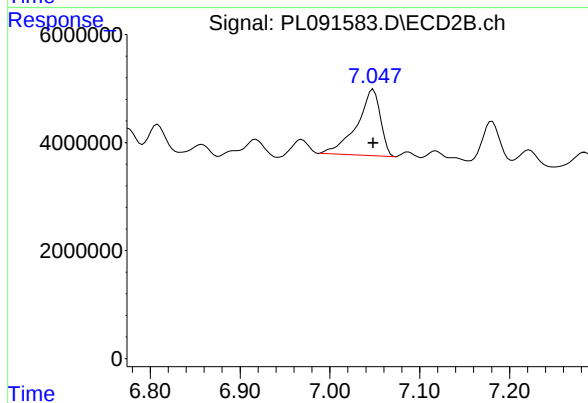
#5 Toxaphene-4

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 27544576
Conc: 500.00 ng/ml



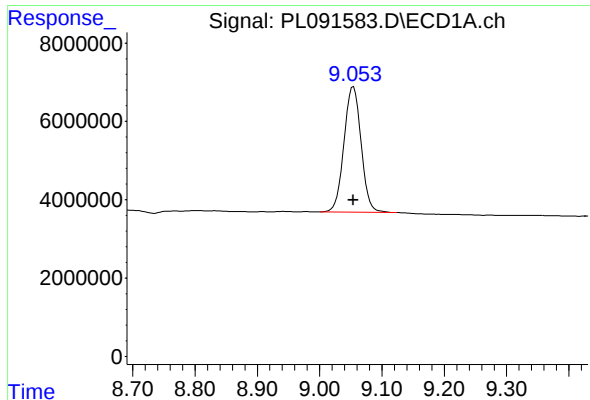
#6 Toxaphene-5

R.T.: 7.934 min
Delta R.T.: 0.000 min
Response: 13831400
Conc: 500.00 ng/ml



#6 Toxaphene-5

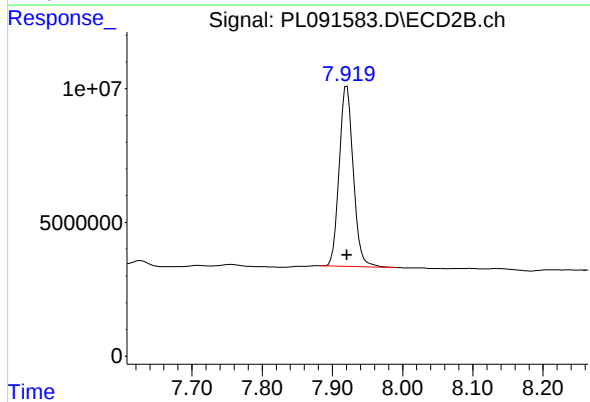
R.T.: 7.048 min
Delta R.T.: 0.000 min
Response: 22388140
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 61336379
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.000 min
Response: 93467150
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:28
Operator : AR\AJ
Sample : PTOXICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:52:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:51:53 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	42160710	51556635	26.687	25.937
7) SA Decachlor...	9.054	7.921	32425977	47989852	26.918	26.237
Target Compounds						
2) Toxaphene-1	6.237	5.009	2578261	3193465	266.078	252.791
3) Toxaphene-2	6.442	5.335	2251816	3278680	252.884	270.831
4) Toxaphene-3	7.059	6.607	11547870	10203033	252.825	246.277
5) Toxaphene-4	7.150	6.738	9814832	13494777	266.106	242.351
6) Toxaphene-5	7.934	7.048	6980593	12116356	257.864	274.691

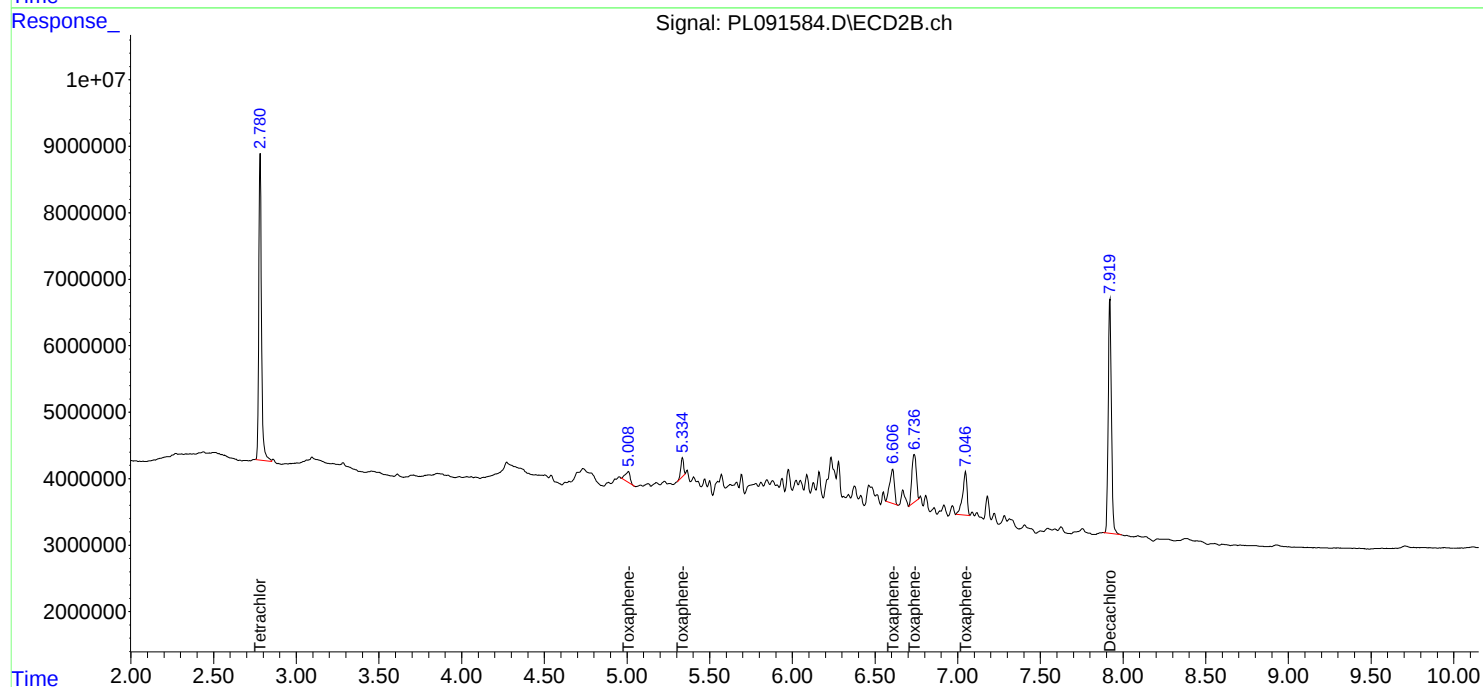
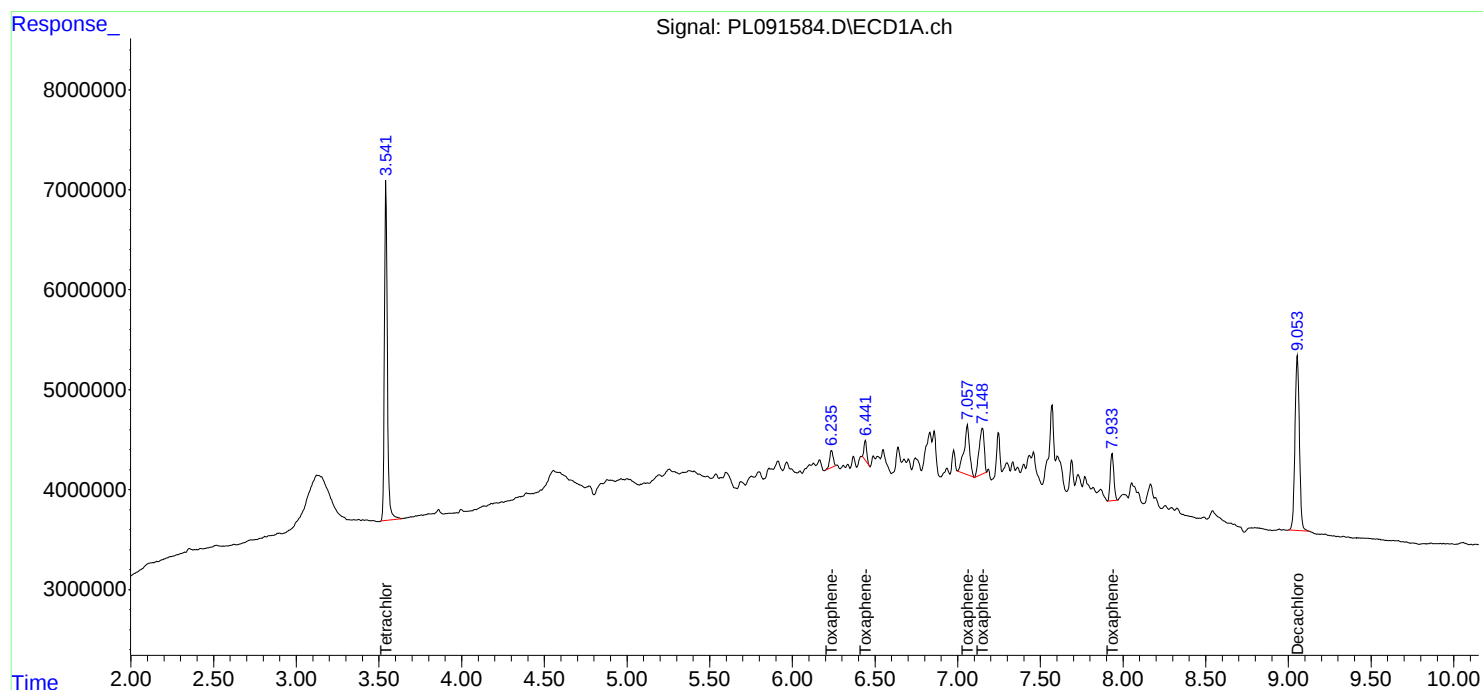
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

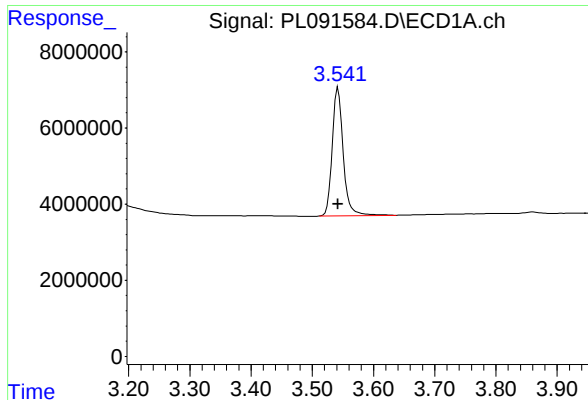
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:28
Operator : AR\AJ
Sample : PTOXICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:52:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:51:53 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

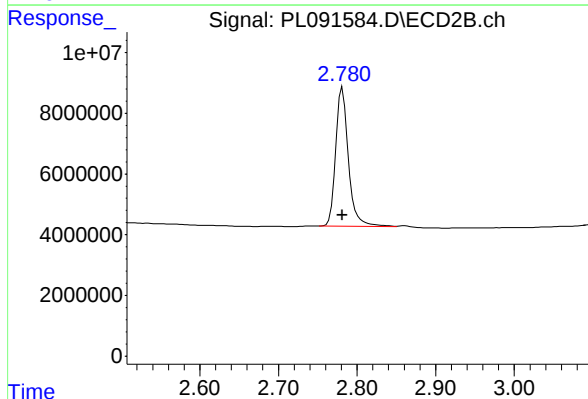




#1 Tetrachloro-m-xylene

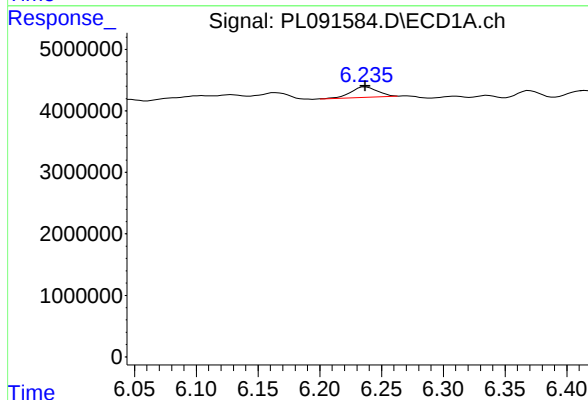
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 42160710
Conc: 26.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC250



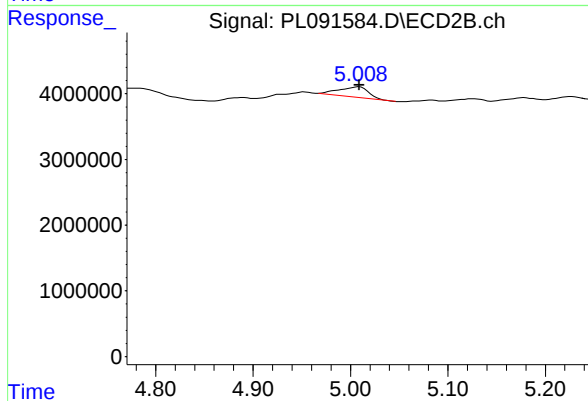
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 51556635
Conc: 25.94 ng/ml



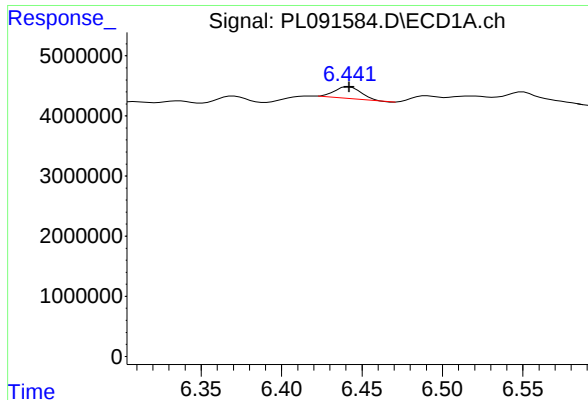
#2 Toxaphene-1

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 2578261
Conc: 266.08 ng/ml



#2 Toxaphene-1

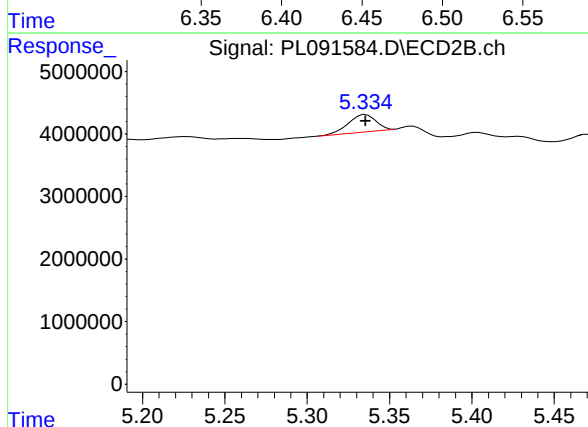
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 3193465
Conc: 252.79 ng/ml



#3 Toxaphene-2

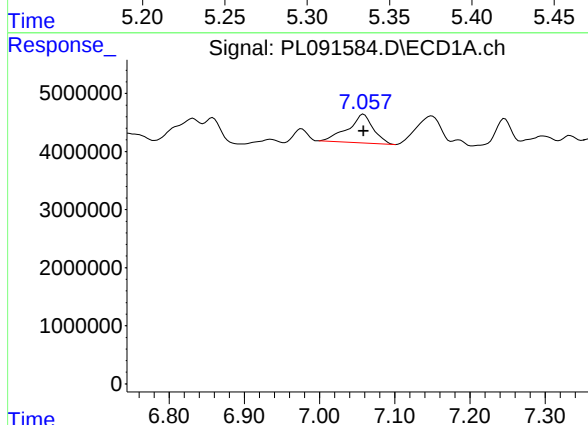
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 2251816
Conc: 252.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC250



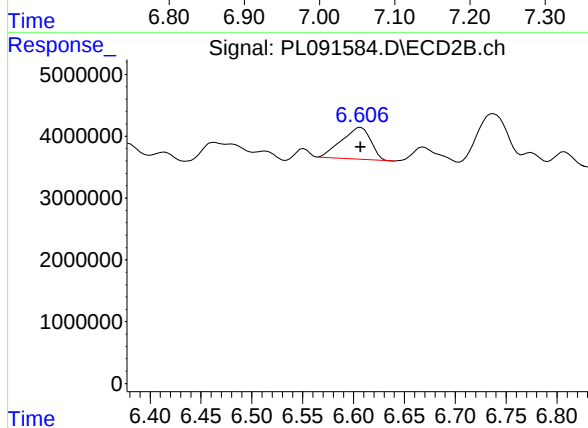
#3 Toxaphene-2

R.T.: 5.335 min
Delta R.T.: 0.000 min
Response: 3278680
Conc: 270.83 ng/ml



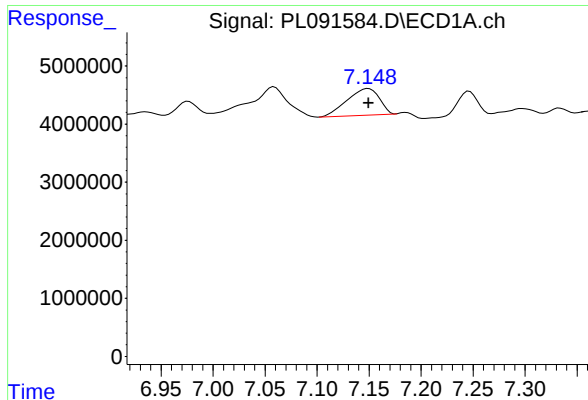
#4 Toxaphene-3

R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 11547870
Conc: 252.83 ng/ml



#4 Toxaphene-3

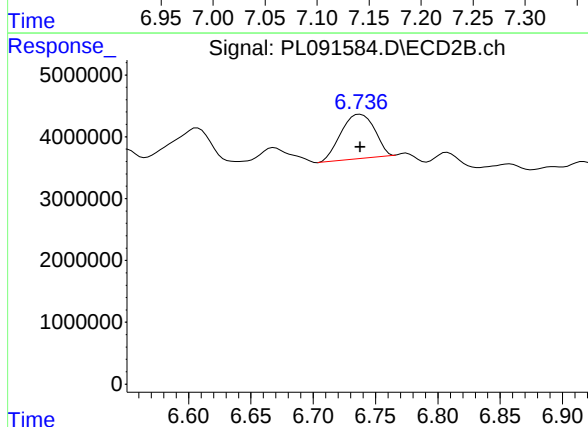
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 10203033
Conc: 246.28 ng/ml



#5 Toxaphene-4

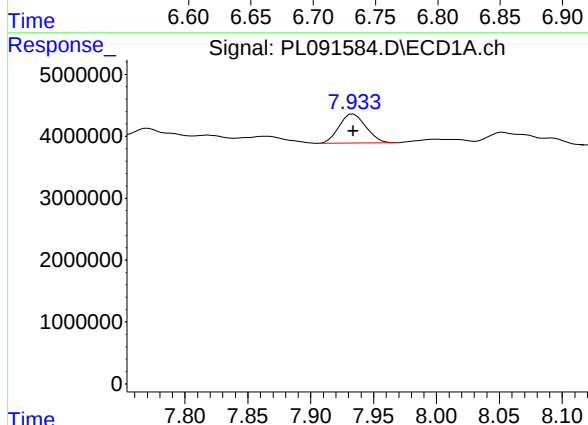
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 9814832
Conc: 266.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC250



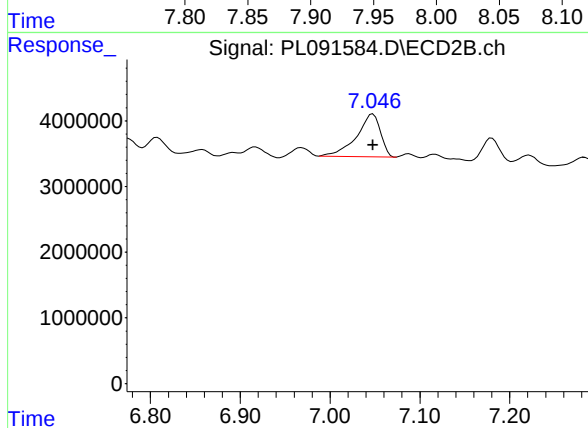
#5 Toxaphene-4

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 13494777
Conc: 242.35 ng/ml



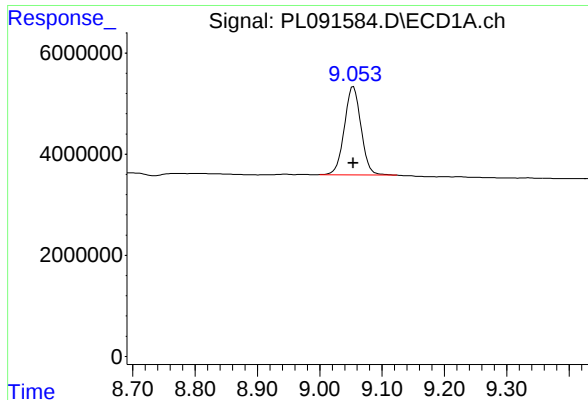
#6 Toxaphene-5

R.T.: 7.934 min
Delta R.T.: 0.000 min
Response: 6980593
Conc: 257.86 ng/ml



#6 Toxaphene-5

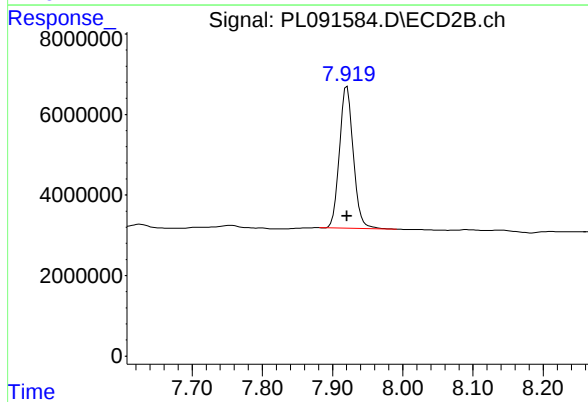
R.T.: 7.048 min
Delta R.T.: 0.000 min
Response: 12116356
Conc: 274.69 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 32425977
Conc: 26.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC250



#7 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.000 min
Response: 47989852
Conc: 26.24 ng/ml

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:42
Operator : AR\AJ
Sample : PTOXICC100
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PTOXICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:54:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:53:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	18408587	21573899	11.280	10.671
7) SA Decachlor...	9.053	7.920	14854258	20840517	11.782	11.085
Target Compounds						
2) Toxaphene-1	6.238	5.006	913107	1536798	95.333	118.089m
3) Toxaphene-2	6.441	5.335	896782	1497509	100.568	118.102
4) Toxaphene-3	7.058	6.607	4842925	4341480	104.766	103.798
5) Toxaphene-4	7.150	6.738	4675175	5333538	120.318	96.599
6) Toxaphene-5	7.933	7.044	3045287	6114521	110.053m	126.798m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 18:42
Operator : AR\AJ
Sample : PTOXICC100
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PTOXICC100

Manual Integrations

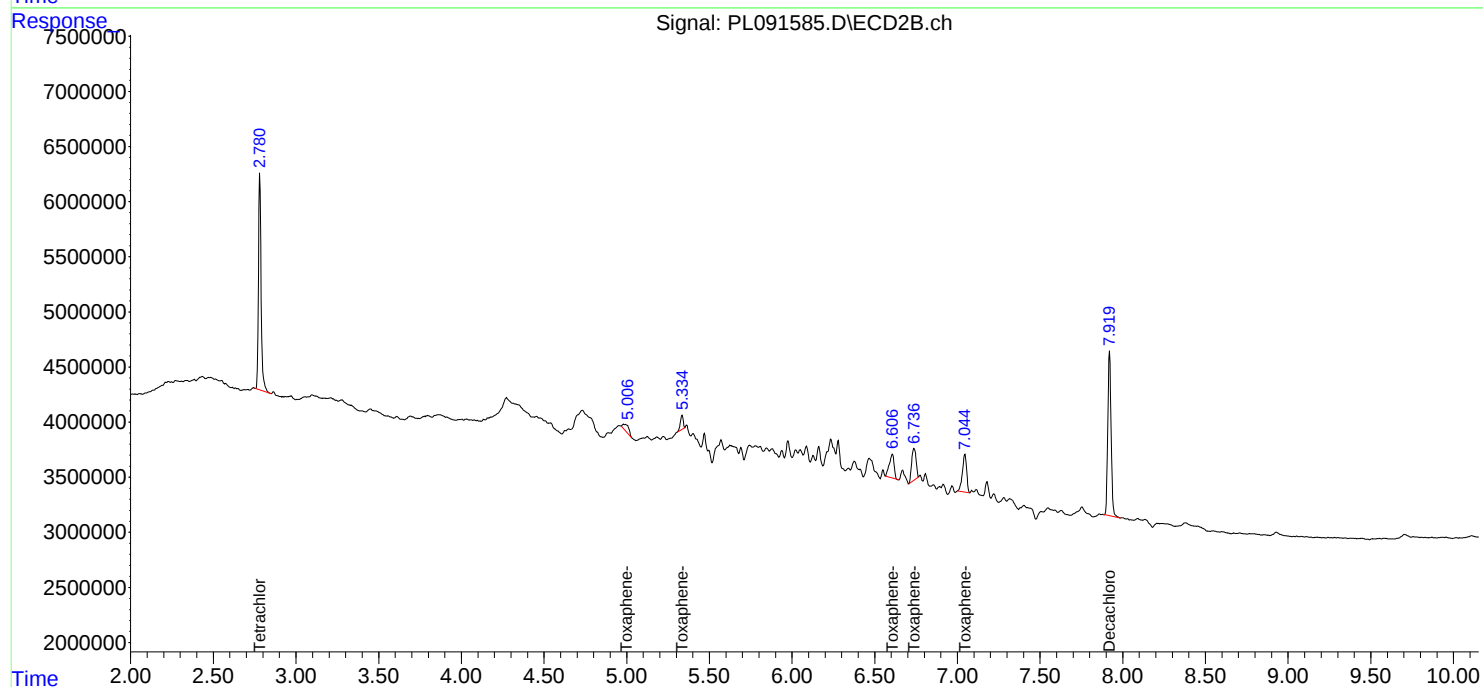
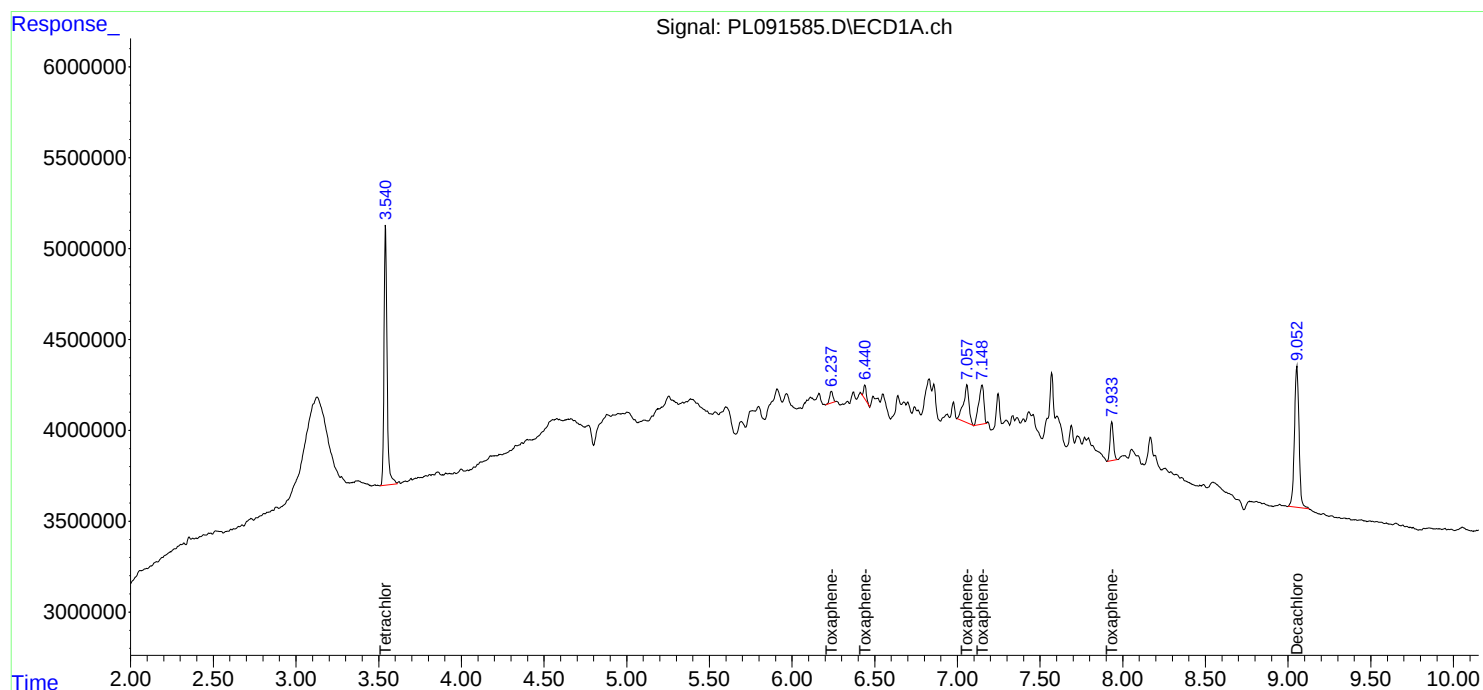
APPROVED

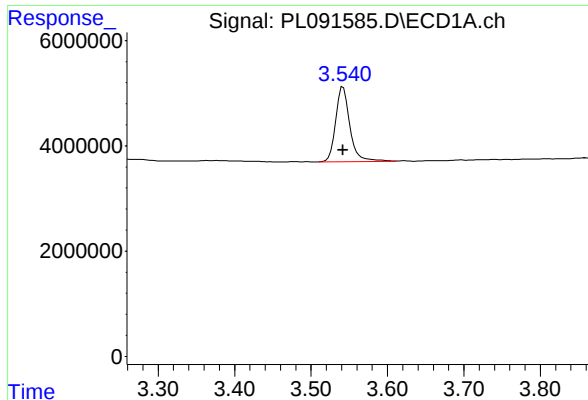
Reviewed By :Abdul Mirza 09/11/2024

Supervised By :Ankita Jodhani 09/11/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 12:54:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 12:53:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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





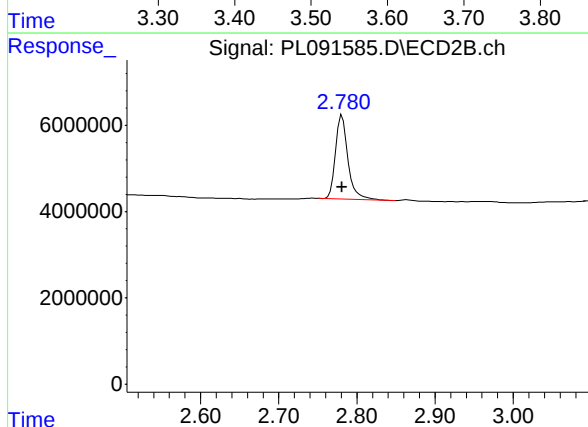
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 18408587
Conc: 11.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC100

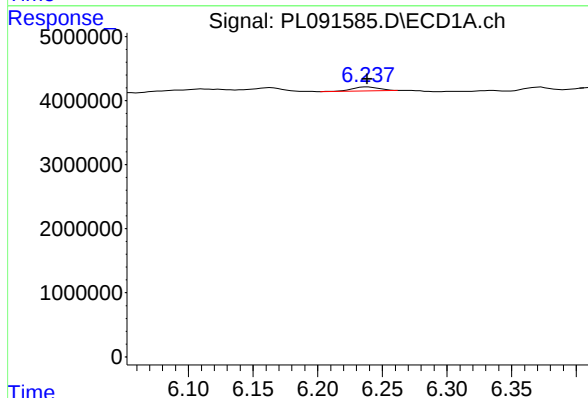
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



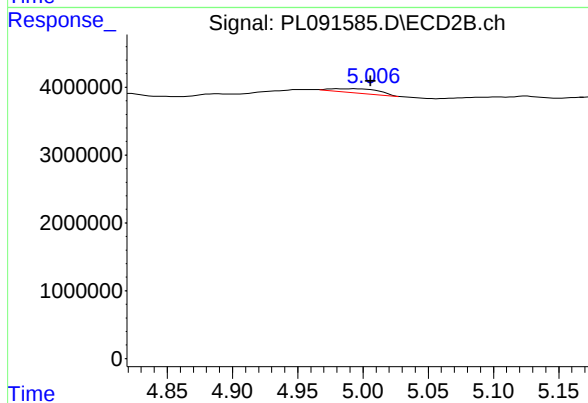
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 21573899
Conc: 10.67 ng/ml



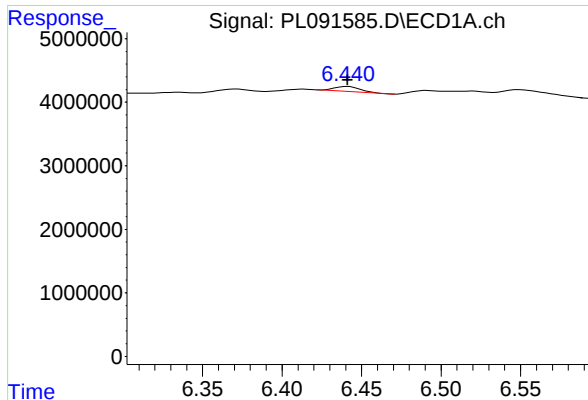
#2 Toxaphene-1

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 913107
Conc: 95.33 ng/ml



#2 Toxaphene-1

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 1536798
Conc: 118.09 ng/ml m



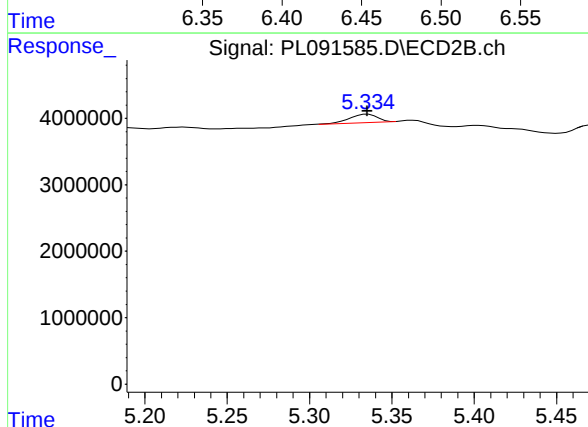
#3 Toxaphene-2

R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 896782
Conc: 100.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC100

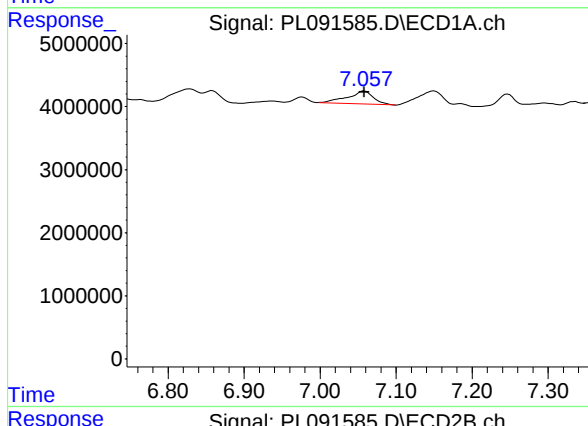
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



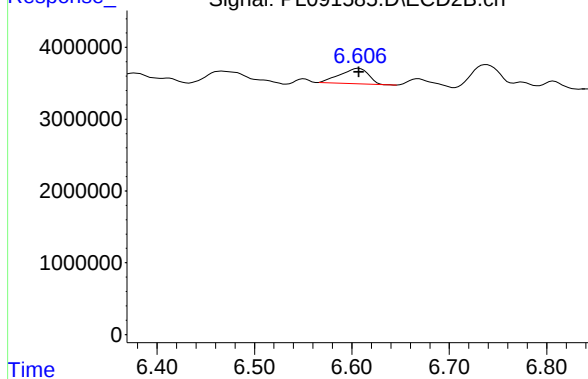
#3 Toxaphene-2

R.T.: 5.335 min
Delta R.T.: 0.000 min
Response: 1497509
Conc: 118.10 ng/ml



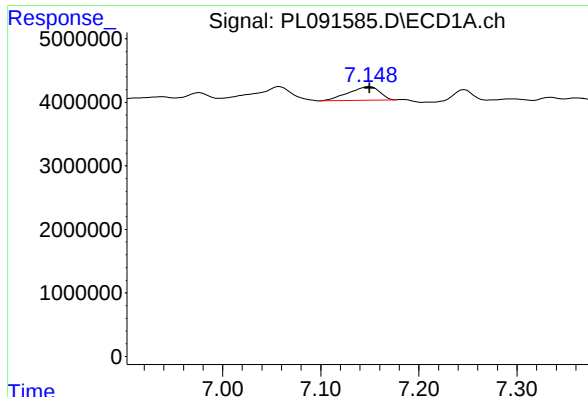
#4 Toxaphene-3

R.T.: 7.058 min
Delta R.T.: 0.000 min
Response: 4842925
Conc: 104.77 ng/ml



#4 Toxaphene-3

R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 4341480
Conc: 103.80 ng/ml



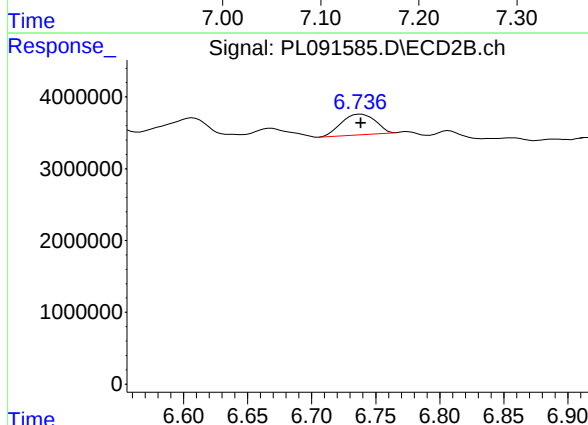
#5 Toxaphene-4

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 4675175
Conc: 120.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC100

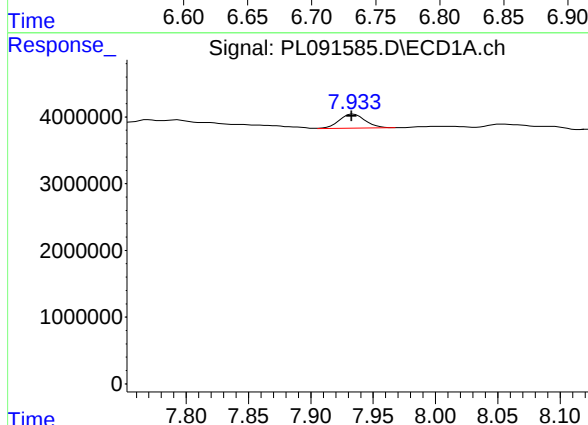
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



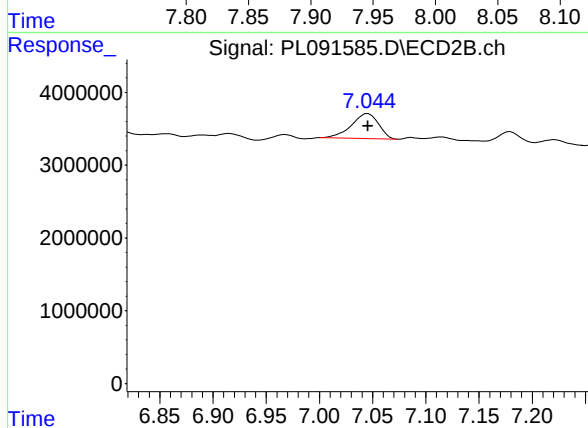
#5 Toxaphene-4

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 533538
Conc: 96.60 ng/ml



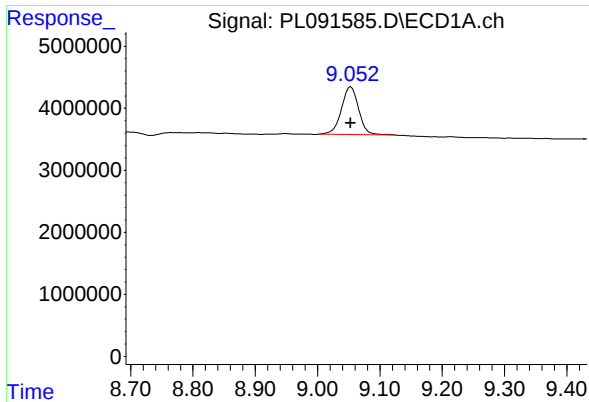
#6 Toxaphene-5

R.T.: 7.933 min
Delta R.T.: 0.000 min
Response: 3045287
Conc: 110.05 ng/ml m



#6 Toxaphene-5

R.T.: 7.044 min
Delta R.T.: -0.001 min
Response: 6114521
Conc: 126.80 ng/ml m



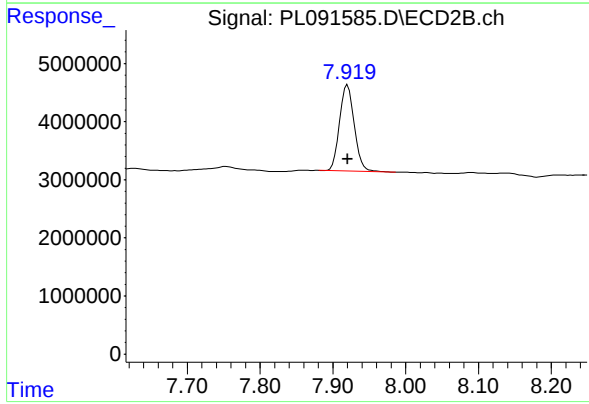
#7 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 14854258
Conc: 11.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC100

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2024
Supervised By :Ankita Jodhani 09/11/2024



#7 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: 0.000 min
Response: 20840517
Conc: 11.08 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 19:23
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 13:04:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 13:03:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	81020096	100.8E6	49.644	49.839
7) SA Decachlor...	9.055	7.921	61911090	93711768	49.105	49.845
Target Compounds						
2) Toxaphene-1	6.239	5.010	4822139	6699930	503.453	508.347
3) Toxaphene-2	6.442	5.335	4585337	6047886	514.212	476.970
4) Toxaphene-3	7.059	6.609	23300011	20368300	504.045	486.975
5) Toxaphene-4	7.149	6.738	18798548	27164838	483.789	491.997
6) Toxaphene-5	7.935	7.049	13663210	22202697	492.416	467.265

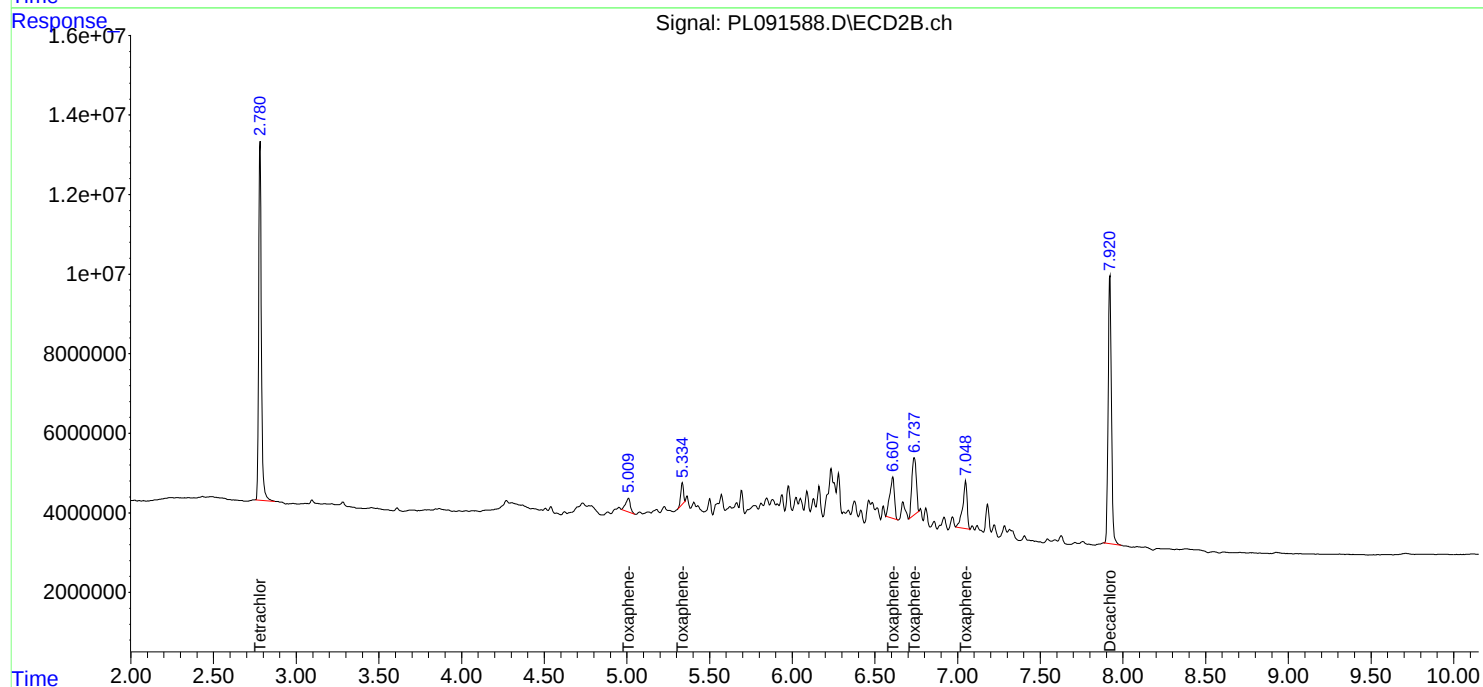
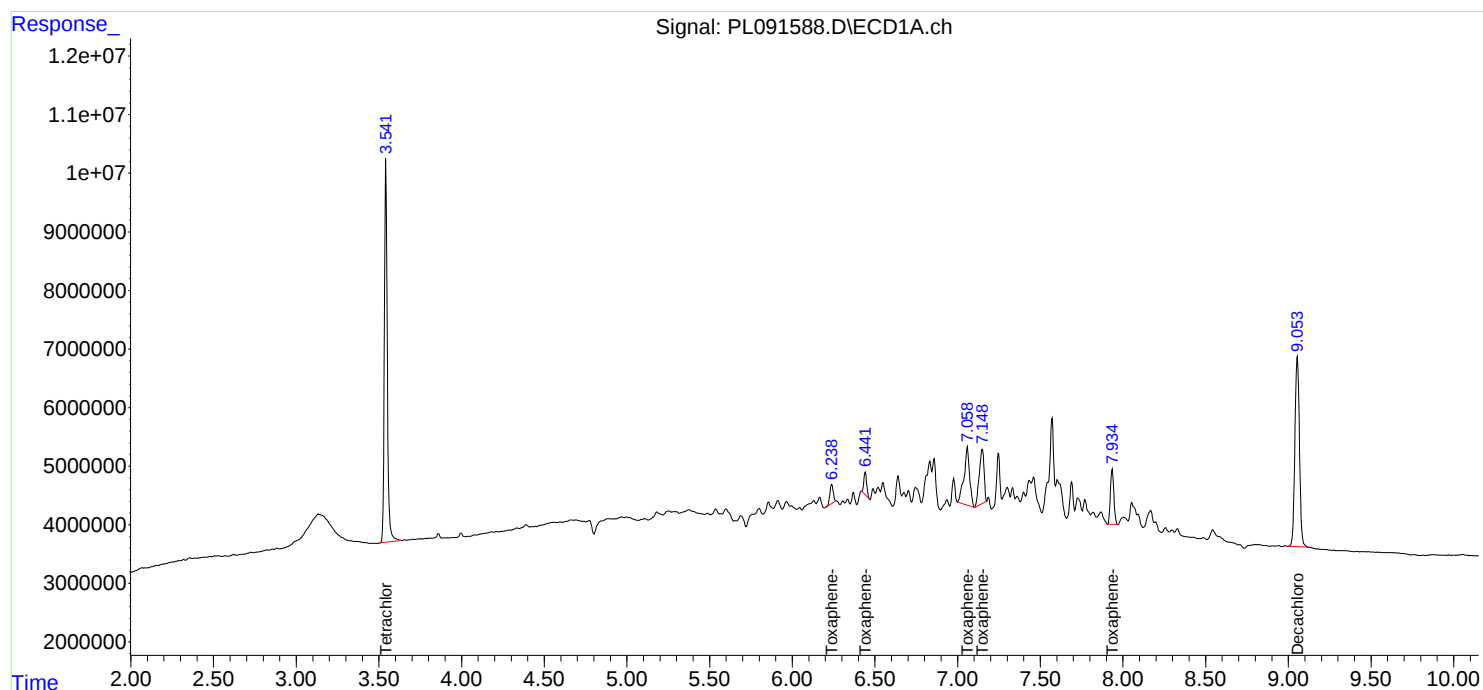
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

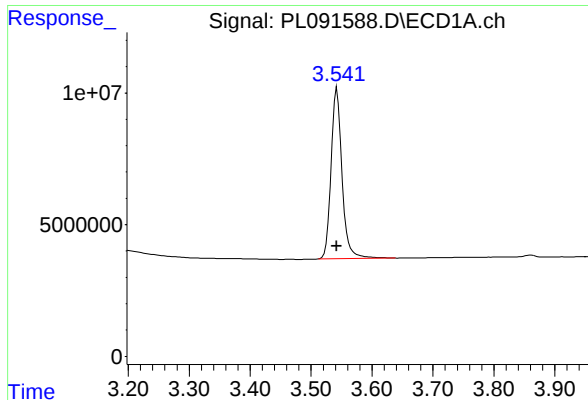
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 19:23
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL090924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 13:04:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Wed Sep 11 13:03:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

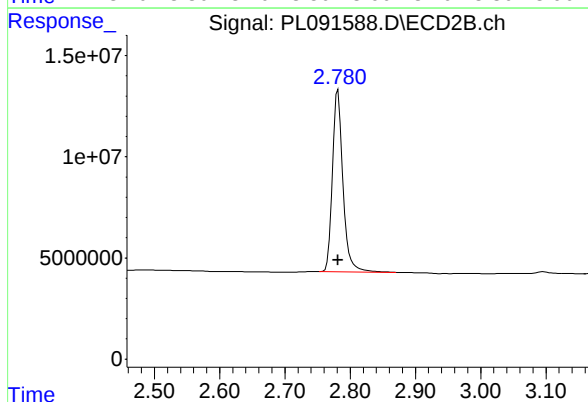




#1 Tetrachloro-m-xylene

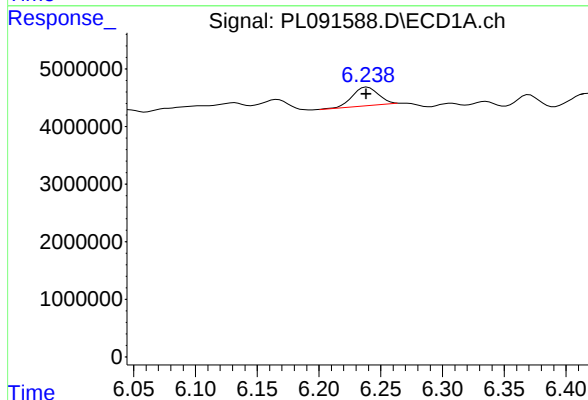
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 81020096
Conc: 49.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924



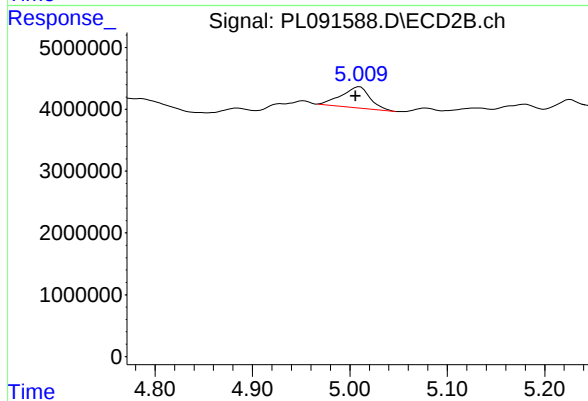
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 100758658
Conc: 49.84 ng/ml



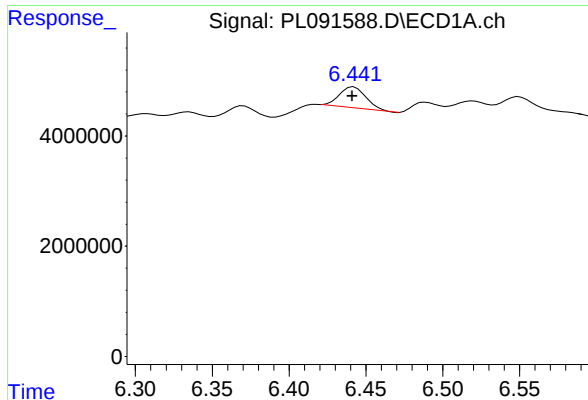
#2 Toxaphene-1

R.T.: 6.239 min
Delta R.T.: 0.000 min
Response: 4822139
Conc: 503.45 ng/ml



#2 Toxaphene-1

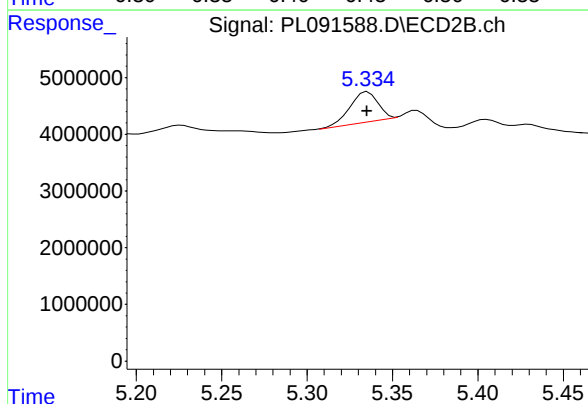
R.T.: 5.010 min
Delta R.T.: 0.004 min
Response: 6699930
Conc: 508.35 ng/ml



#3 Toxaphene-2

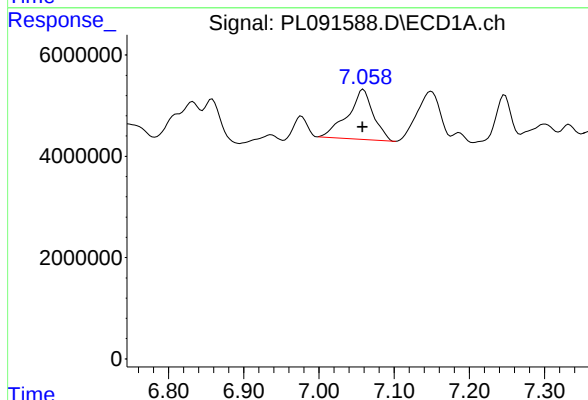
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 4585337
Conc: 514.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924



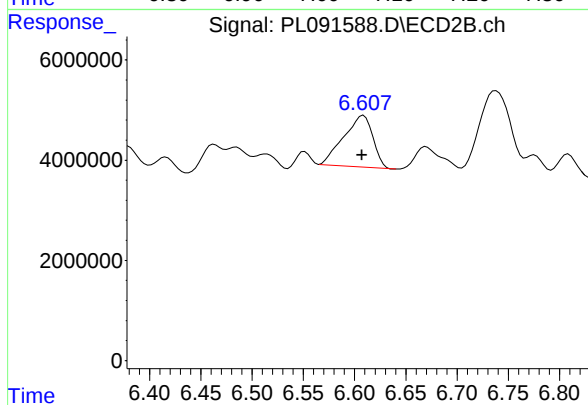
#3 Toxaphene-2

R.T.: 5.335 min
Delta R.T.: 0.000 min
Response: 6047886
Conc: 476.97 ng/ml



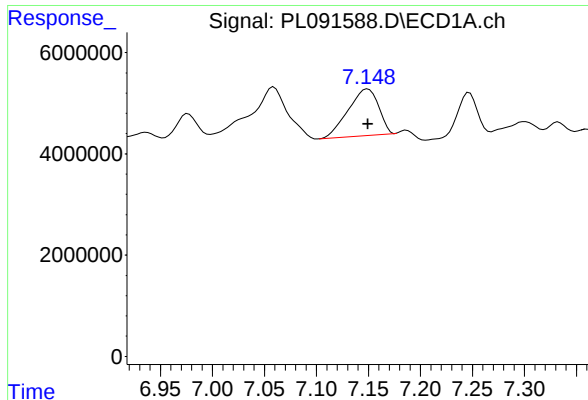
#4 Toxaphene-3

R.T.: 7.059 min
Delta R.T.: 0.001 min
Response: 23300011
Conc: 504.04 ng/ml



#4 Toxaphene-3

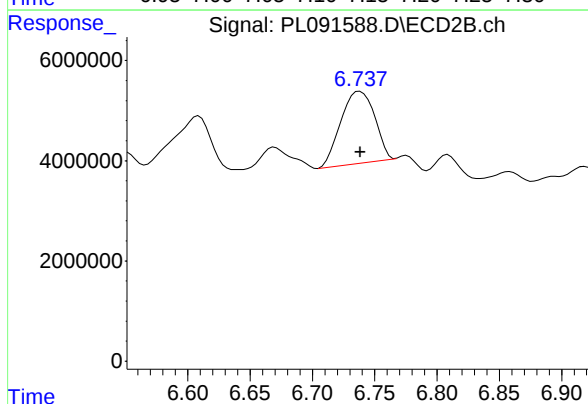
R.T.: 6.609 min
Delta R.T.: 0.002 min
Response: 20368300
Conc: 486.97 ng/ml



#5 Toxaphene-4

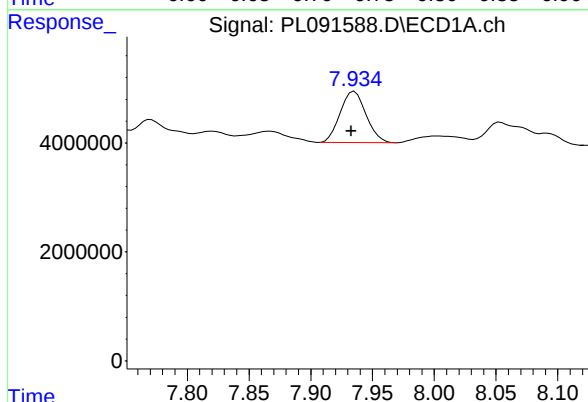
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 18798548
Conc: 483.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924



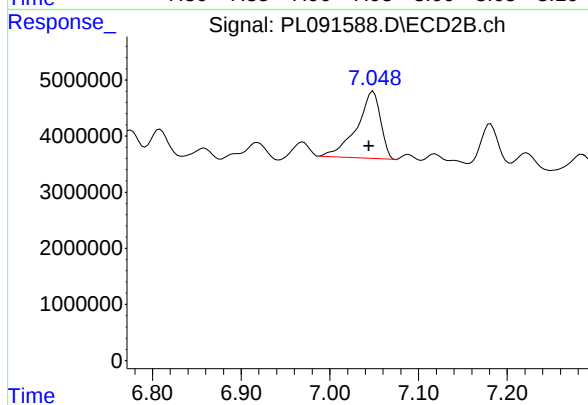
#5 Toxaphene-4

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 27164838
Conc: 492.00 ng/ml



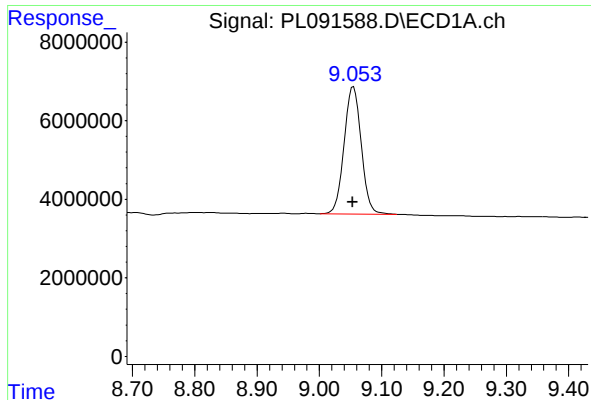
#6 Toxaphene-5

R.T.: 7.935 min
Delta R.T.: 0.002 min
Response: 13663210
Conc: 492.42 ng/ml



#6 Toxaphene-5

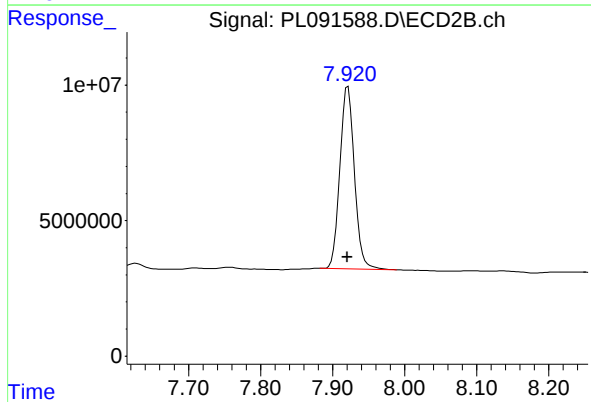
R.T.: 7.049 min
Delta R.T.: 0.005 min
Response: 22202697
Conc: 467.26 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.001 min
Response: 61911090
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL090924



#7 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.001 min
Response: 93711768
Conc: 49.84 ng/ml

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024
Calibration Times: 13:46 14:40

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

LAB FILE ID:	RT 1000 = <u>PL091966.D</u>	RT 750 = <u>PL091967.D</u>
RT 500 = <u>PL091968.D</u>	RT 250 = <u>PL091969.D</u>	RT 100 = <u>PL091970.D</u>

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 100	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64
Toxaphene-1 (1)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Toxaphene-2 (2)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Toxaphene-3 (3)	7.06	7.06	7.06	7.06	7.06	7.06	6.96	7.16
Toxaphene-4 (4)	7.15	7.16	7.15	7.16	7.15	7.15	7.05	7.25
Toxaphene-5 (5)	7.94	7.94	7.94	7.94	7.94	7.94	7.84	8.04

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024
Calibration Times: 13:46 14:40

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

LAB FILE ID:	RT 1000 = <u>PL091966.D</u>	RT 750 = <u>PL091967.D</u>
RT 500 = <u>PL091968.D</u>	RT 250 = <u>PL091969.D</u>	RT 100 = <u>PL091970.D</u>

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 100	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88
Toxaphene-1 (1)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Toxaphene-2 (2)	5.34	5.34	5.34	5.34	5.34	5.34	5.24	5.44
Toxaphene-3 (3)	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Toxaphene-4 (4)	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Toxaphene-5 (5)	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024
Calibration Times: 13:46 14:40
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PL091966.D</u>		CF 750 = <u>PL091967.D</u>				
CF 500 = <u>PL091968.D</u>		CF 250 = <u>PL091969.D</u>		CF 100 = <u>PL091970.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 100	CF	% RSD
Decachlorobiphenyl		150753000	149824000	159807000	173958000	189226000	164714000	10
Tetrachloro-m-xylene		215013000	210699000	219060000	231280000	254613000	226133000	8
Toxaphene-1	(1)	21019800	20758900	22665300	23360000	28116900	23184200	13
Toxaphene-2	(2)	13540000	12917600	13922000	14928600	16865000	14434600	11
Toxaphene-3	(3)	68417300	67462600	70960500	74769400	82313200	72784600	8
Toxaphene-4	(4)	50808400	50367000	53851200	57359300	63673700	55211900	10
Toxaphene-5	(5)	37981600	37645100	39727000	42651800	46000300	40801200	9

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845
Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024
Calibration Times: 13:46 14:40
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 =	<u>PL091966.D</u>	CF 750 =	<u>PL091967.D</u>			
CF 500 =	<u>PL091968.D</u>	CF 250 =	<u>PL091969.D</u>	CF 100 =	<u>PL091970.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 100	CF	% RSD
Decachlorobiphenyl		245655000	241816000	253941000	266972000	280956000	257868000	6
Tetrachloro-m-xylene		259816000	252185000	256365000	258718000	270543000	259526000	3
Toxaphene-1	(1)	18613800	17923600	18093600	17478100	18972100	18216200	3
Toxaphene-2	(2)	16988400	17017500	17271700	17276200	18855700	17481900	4
Toxaphene-3	(3)	63477000	62232100	63995900	59388200	59588200	61736300	3
Toxaphene-4	(4)	89217600	86240100	88666300	87276700	87907800	87861700	1
Toxaphene-5	(5)	59682400	58437700	60349700	57849400	61715800	59607000	3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091966.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 13:46
Operator : AR\AJ
Sample : PTOXICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:29:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	215.0E6	259.8E6	99.068	100.668
7) SA Decachlor...	9.061	7.924	150.8E6	245.7E6	97.085	98.341
Target Compounds						
2) Toxaphene-1	6.242	5.013	21019774	18613795	962.332	1014.172
3) Toxaphene-2	6.446	5.338	13540047	16988383	986.091	991.730
4) Toxaphene-3	7.063	6.612	68417262	63477005	981.753	995.930
5) Toxaphene-4	7.154	6.741	50808419	89217582	970.927	1003.099
6) Toxaphene-5	7.939	7.053	37981646	59682356	977.540	994.440

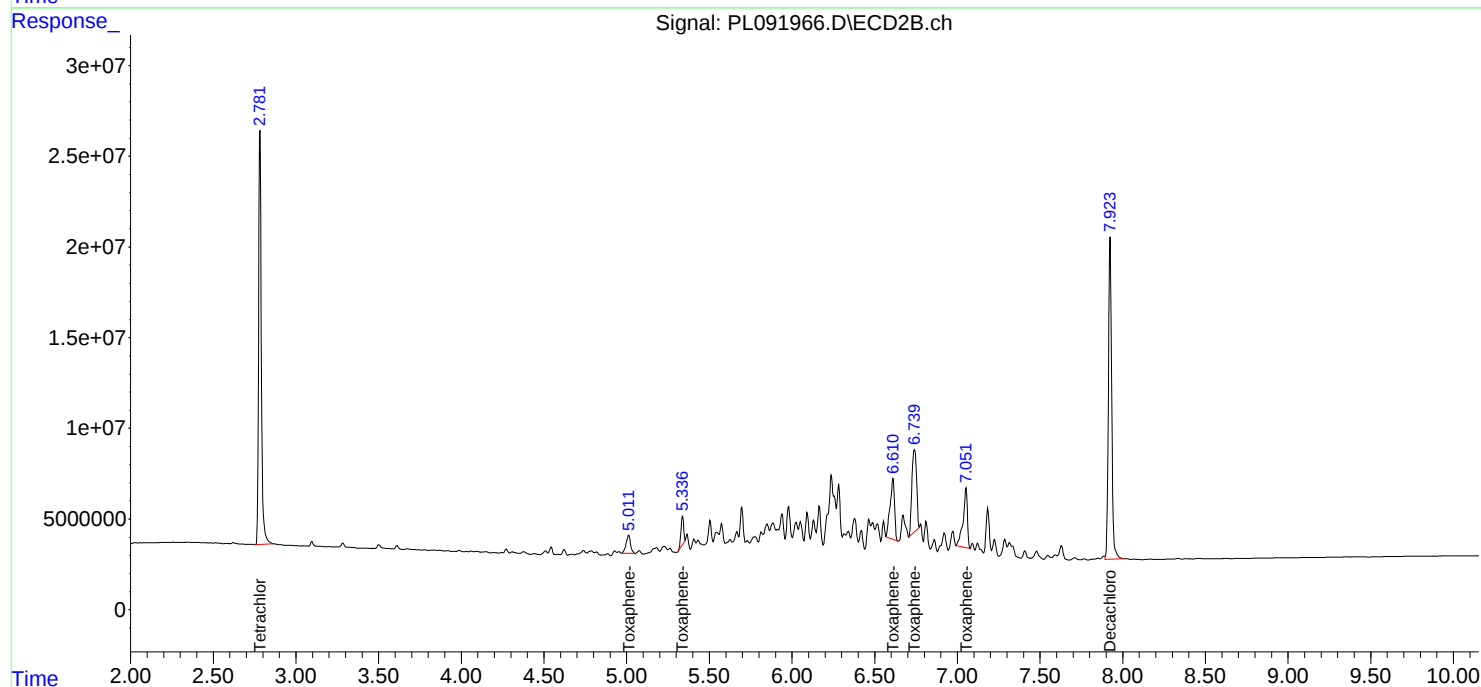
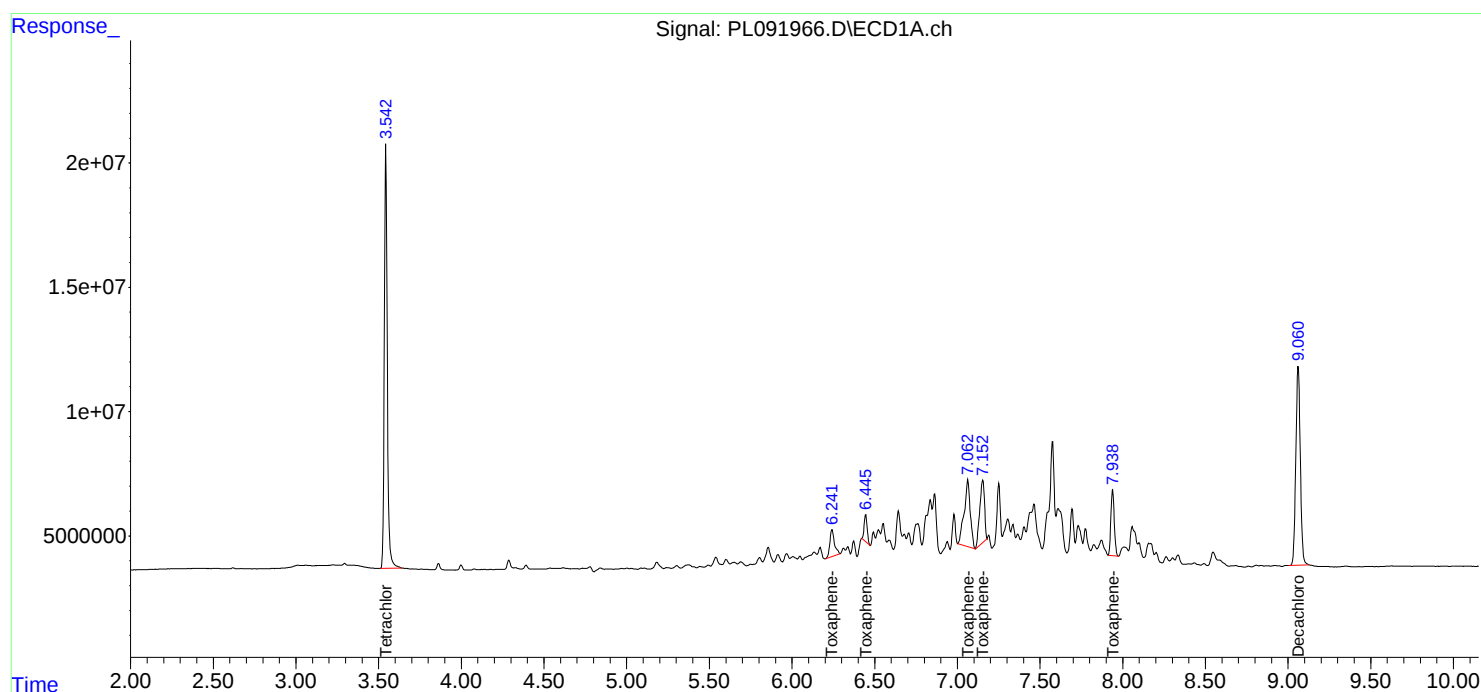
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

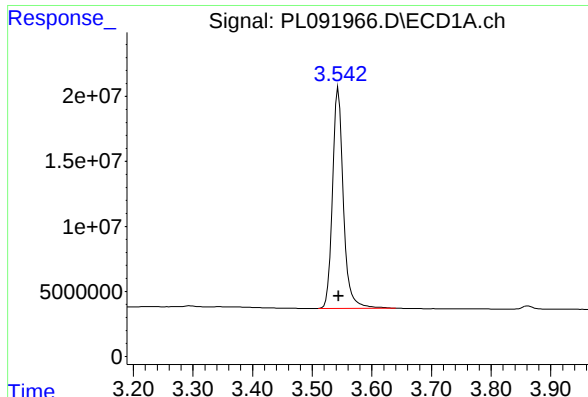
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091966.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 13:46
Operator : AR\AJ
Sample : PTOXICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:29:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

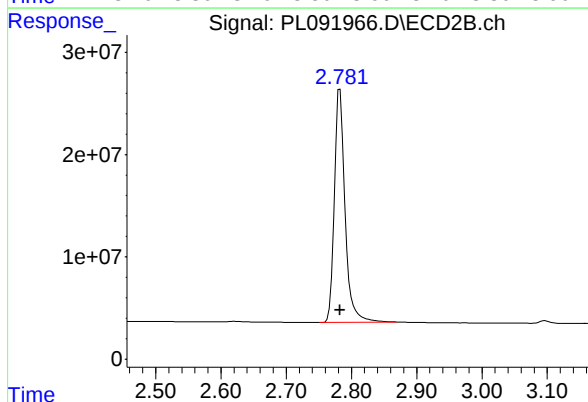




#1 Tetrachloro-m-xylene

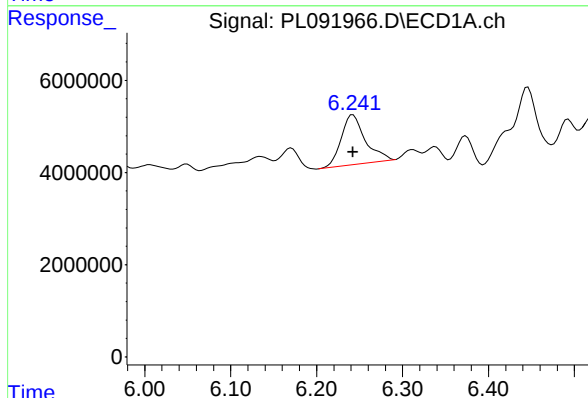
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 215012751
Conc: 99.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000



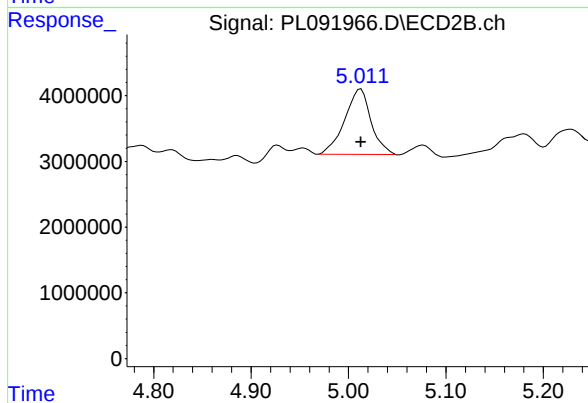
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 259815821
Conc: 100.67 ng/ml



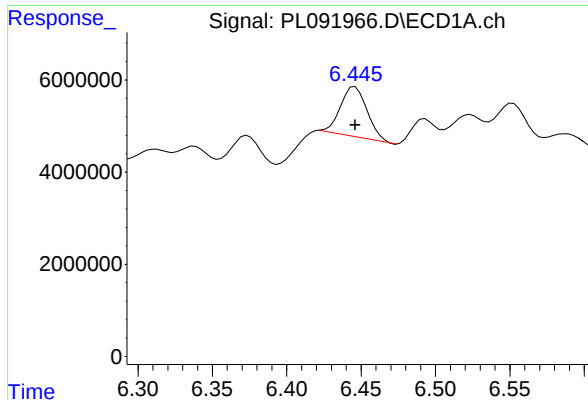
#2 Toxaphene-1

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 21019774
Conc: 962.33 ng/ml



#2 Toxaphene-1

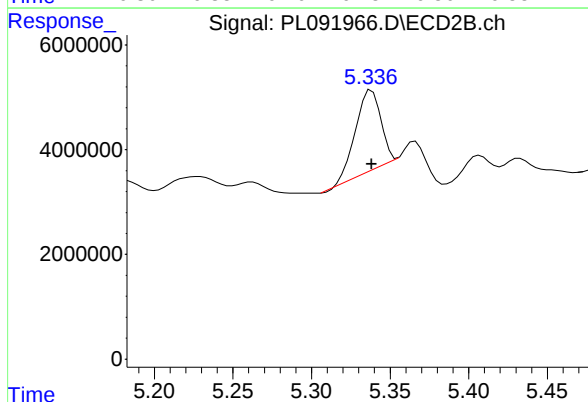
R.T.: 5.013 min
Delta R.T.: 0.000 min
Response: 18613795
Conc: 1014.17 ng/ml



#3 Toxaphene-2

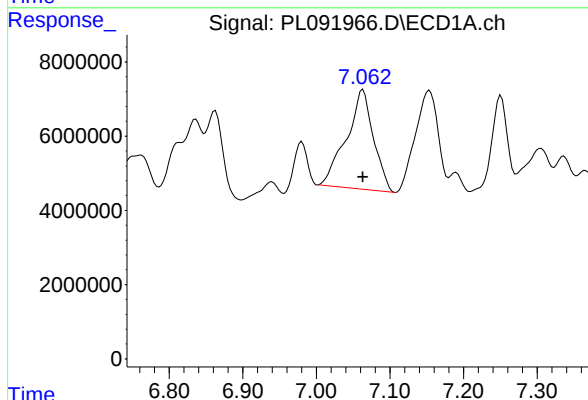
R.T.: 6.446 min
Delta R.T.: 0.000 min
Response: 13540047
Conc: 986.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000



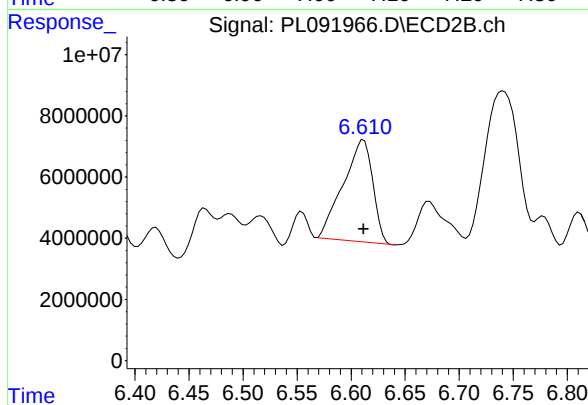
#3 Toxaphene-2

R.T.: 5.338 min
Delta R.T.: 0.000 min
Response: 16988383
Conc: 991.73 ng/ml



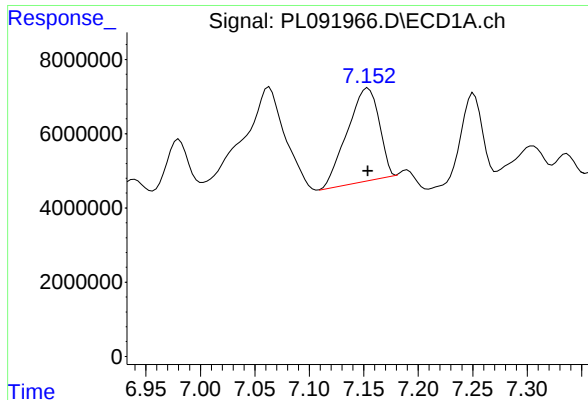
#4 Toxaphene-3

R.T.: 7.063 min
Delta R.T.: 0.000 min
Response: 68417262
Conc: 981.75 ng/ml



#4 Toxaphene-3

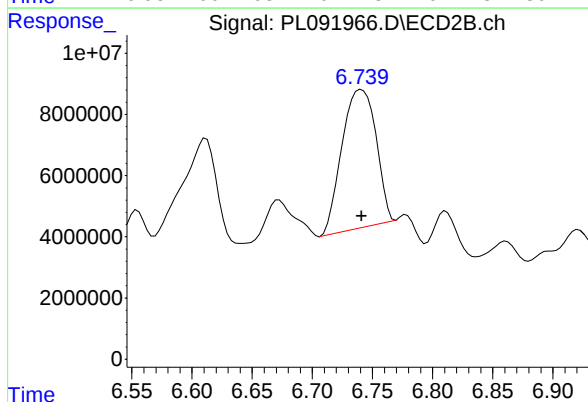
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 63477005
Conc: 995.93 ng/ml



#5 Toxaphene-4

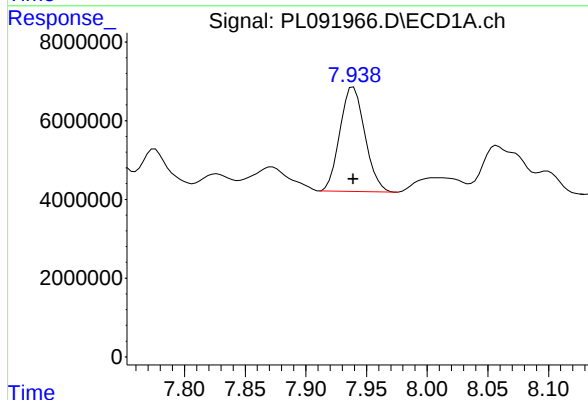
R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 50808419
Conc: 970.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000



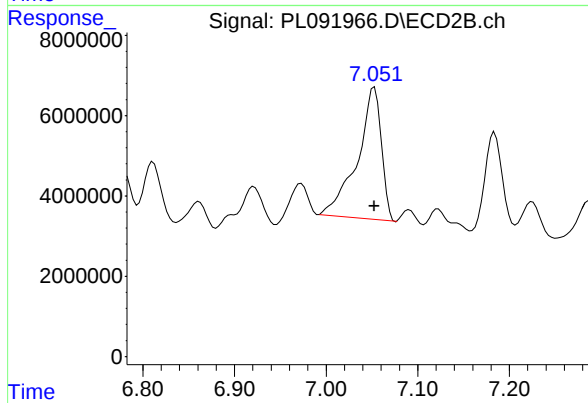
#5 Toxaphene-4

R.T.: 6.741 min
Delta R.T.: 0.000 min
Response: 89217582
Conc: 1003.10 ng/ml



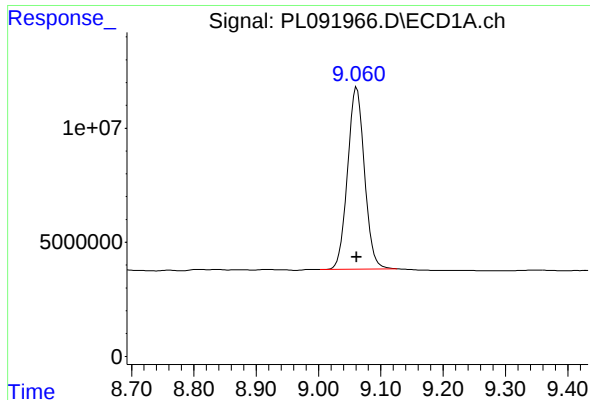
#6 Toxaphene-5

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 37981646
Conc: 977.54 ng/ml



#6 Toxaphene-5

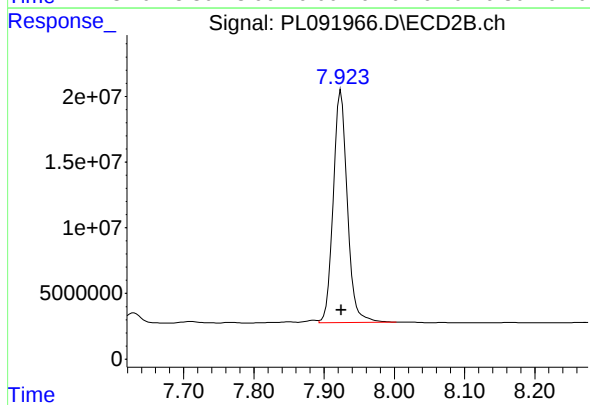
R.T.: 7.053 min
Delta R.T.: 0.000 min
Response: 59682356
Conc: 994.44 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 150753255
Conc: 97.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC1000



#7 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 245655091
Conc: 98.34 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091967.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 13:59
Operator : AR\AJ
Sample : PTOXICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:30:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	158.0E6	189.1E6	73.526	73.847
7) SA Decachlor...	9.061	7.923	112.4E6	181.4E6	73.222	73.385
Target Compounds						
2) Toxaphene-1	6.241	5.013	15569157	13442706	724.777	738.191
3) Toxaphene-2	6.446	5.338	9688189	12763107	719.782	746.707
4) Toxaphene-3	7.063	6.611	50596987	46674102	733.855	738.106
5) Toxaphene-4	7.155	6.740	37775251	64680096	731.008	734.656
6) Toxaphene-5	7.939	7.052	28233795	43828273	734.276	736.734

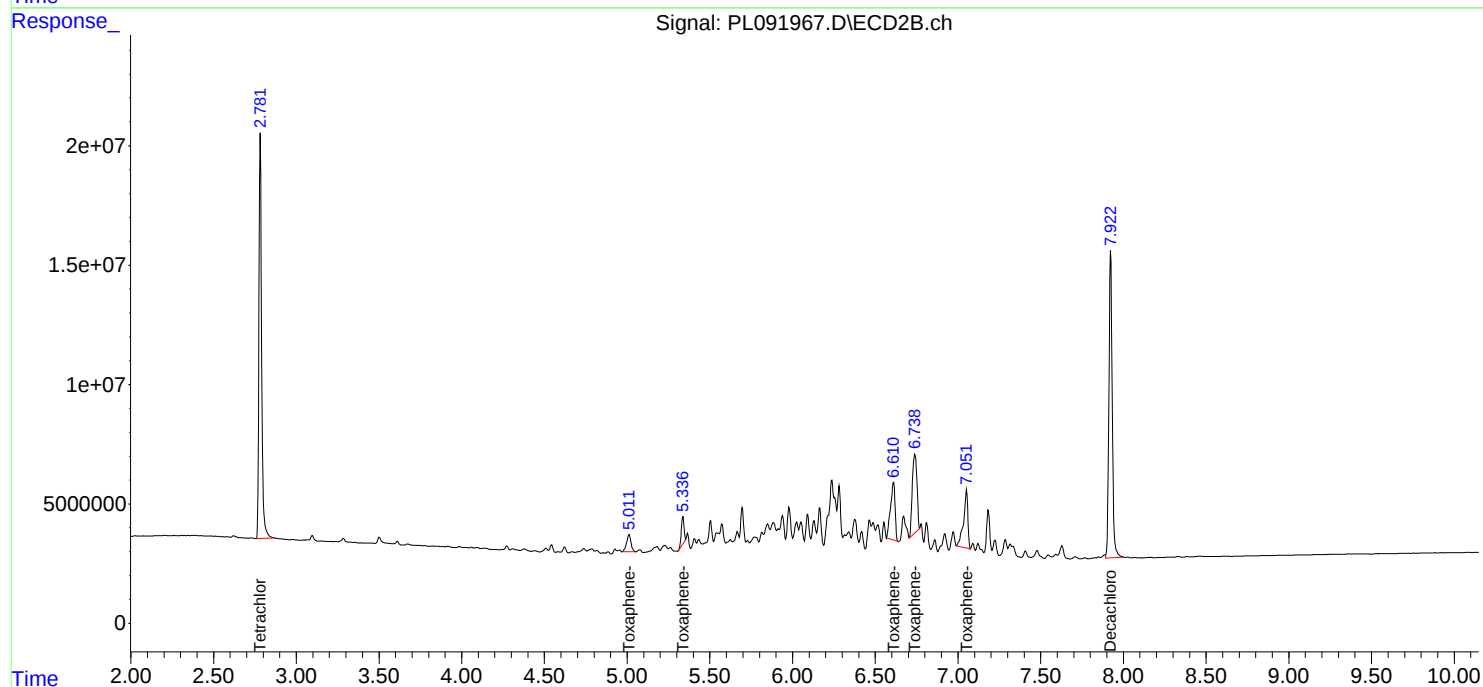
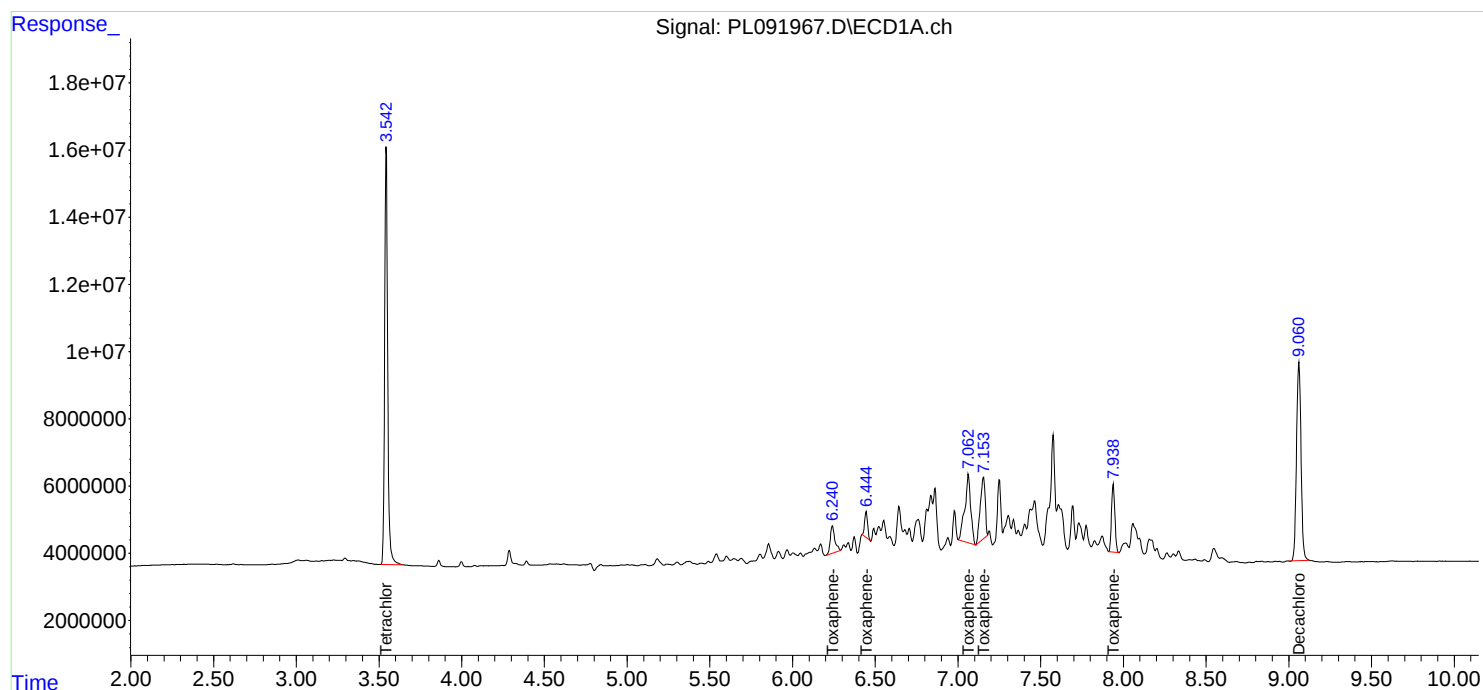
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

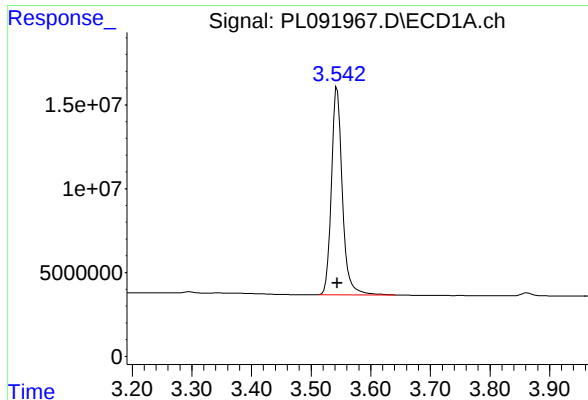
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091967.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 13:59
Operator : AR\AJ
Sample : PTOXICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:30:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

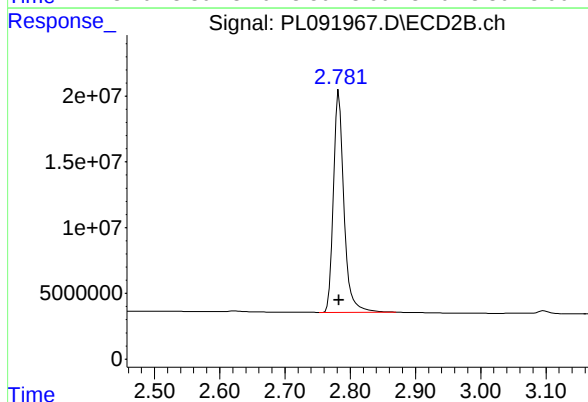




#1 Tetrachloro-m-xylene

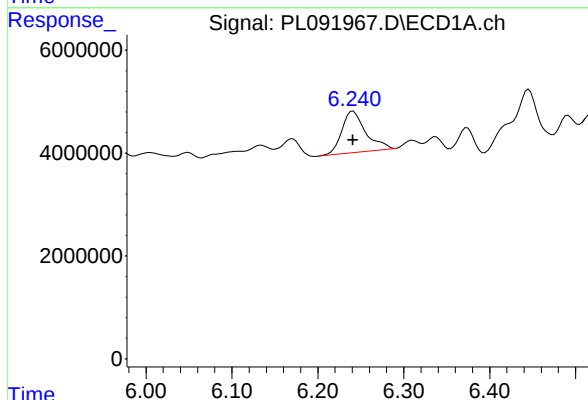
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 158024265
Conc: 73.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC750



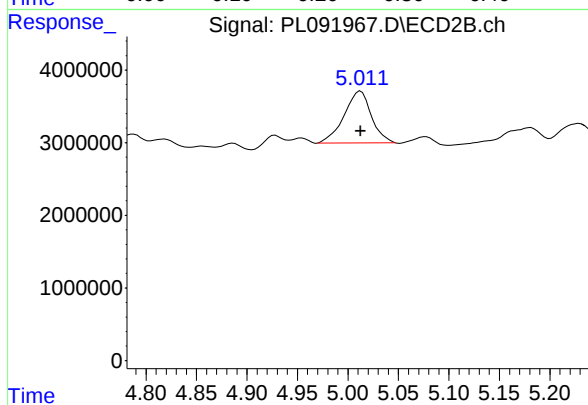
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 189138590
Conc: 73.85 ng/ml



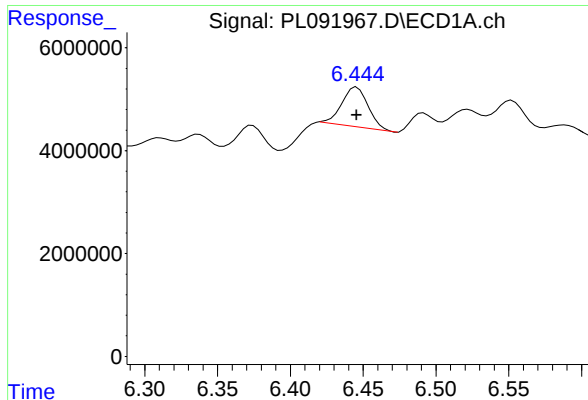
#2 Toxaphene-1

R.T.: 6.241 min
Delta R.T.: 0.000 min
Response: 15569157
Conc: 724.78 ng/ml



#2 Toxaphene-1

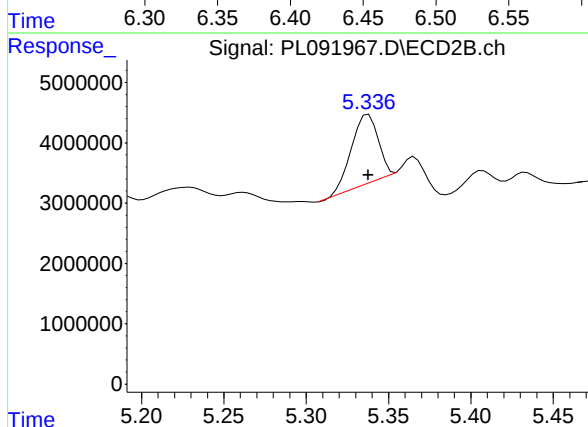
R.T.: 5.013 min
Delta R.T.: 0.000 min
Response: 13442706
Conc: 738.19 ng/ml



#3 Toxaphene-2

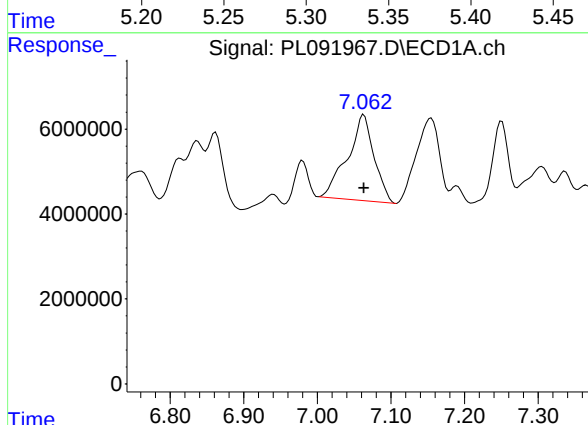
R.T.: 6.446 min
Delta R.T.: 0.000 min
Response: 9688189
Conc: 719.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC750



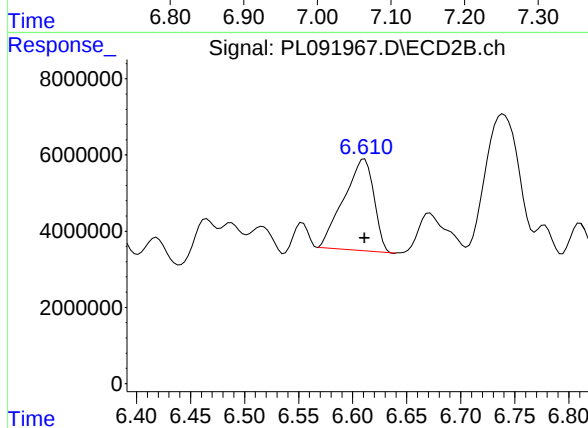
#3 Toxaphene-2

R.T.: 5.338 min
Delta R.T.: 0.000 min
Response: 12763107
Conc: 746.71 ng/ml



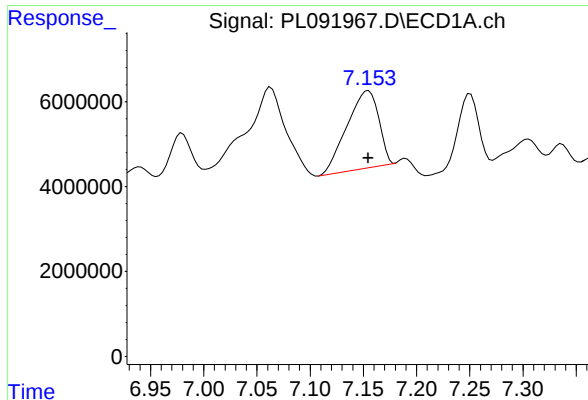
#4 Toxaphene-3

R.T.: 7.063 min
Delta R.T.: 0.000 min
Response: 50596987
Conc: 733.86 ng/ml



#4 Toxaphene-3

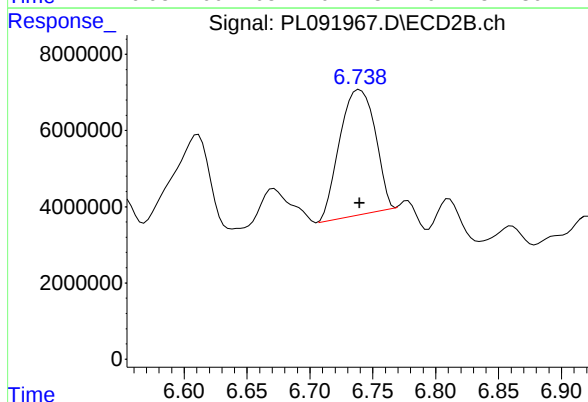
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 46674102
Conc: 738.11 ng/ml



#5 Toxaphene-4

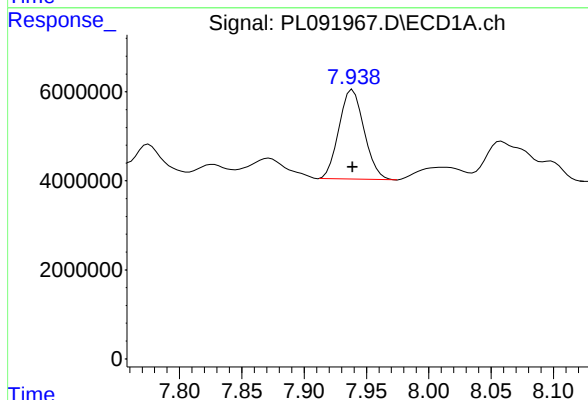
R.T.: 7.155 min
Delta R.T.: 0.000 min
Response: 37775251
Conc: 731.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC750



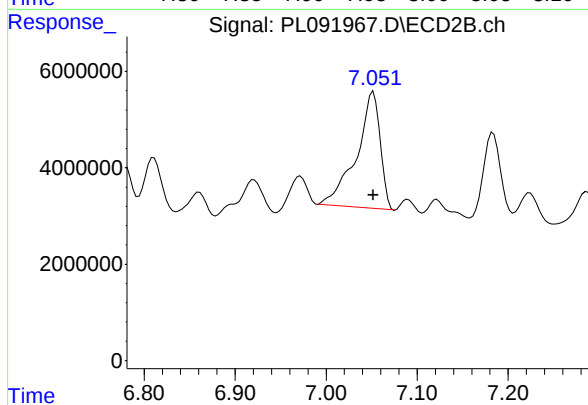
#5 Toxaphene-4

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 64680096
Conc: 734.66 ng/ml



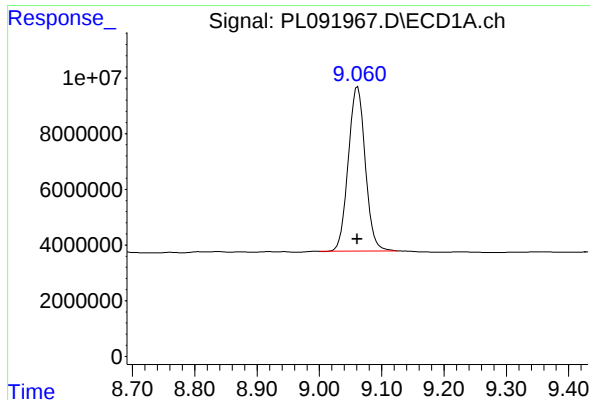
#6 Toxaphene-5

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 28233795
Conc: 734.28 ng/ml



#6 Toxaphene-5

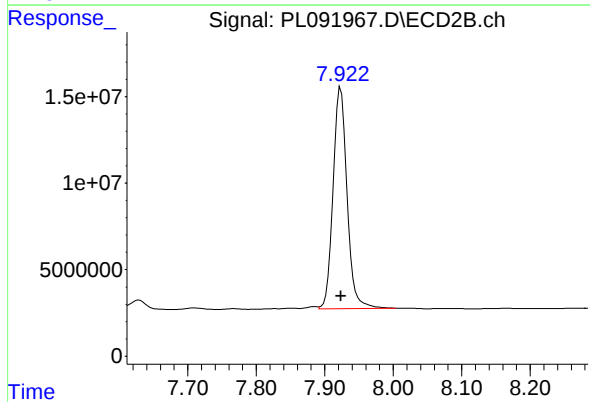
R.T.: 7.052 min
Delta R.T.: 0.000 min
Response: 43828273
Conc: 736.73 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 112367843
Conc: 73.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC750



#7 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 181361658
Conc: 73.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091968.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:13
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:27:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	109.5E6	128.2E6	50.000	50.000
7) SA Decachlor...	9.061	7.924	79903287	127.0E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.242	5.013	11332642	9046791	500.000	500.000
3) Toxaphene-2	6.446	5.338	6961013	8635853	500.000	500.000
4) Toxaphene-3	7.064	6.612	35480266	31997930	500.000	500.000
5) Toxaphene-4	7.154	6.740	26925608	44333132	500.000	500.000
6) Toxaphene-5	7.939	7.053	19863490	30174872	500.000	500.000

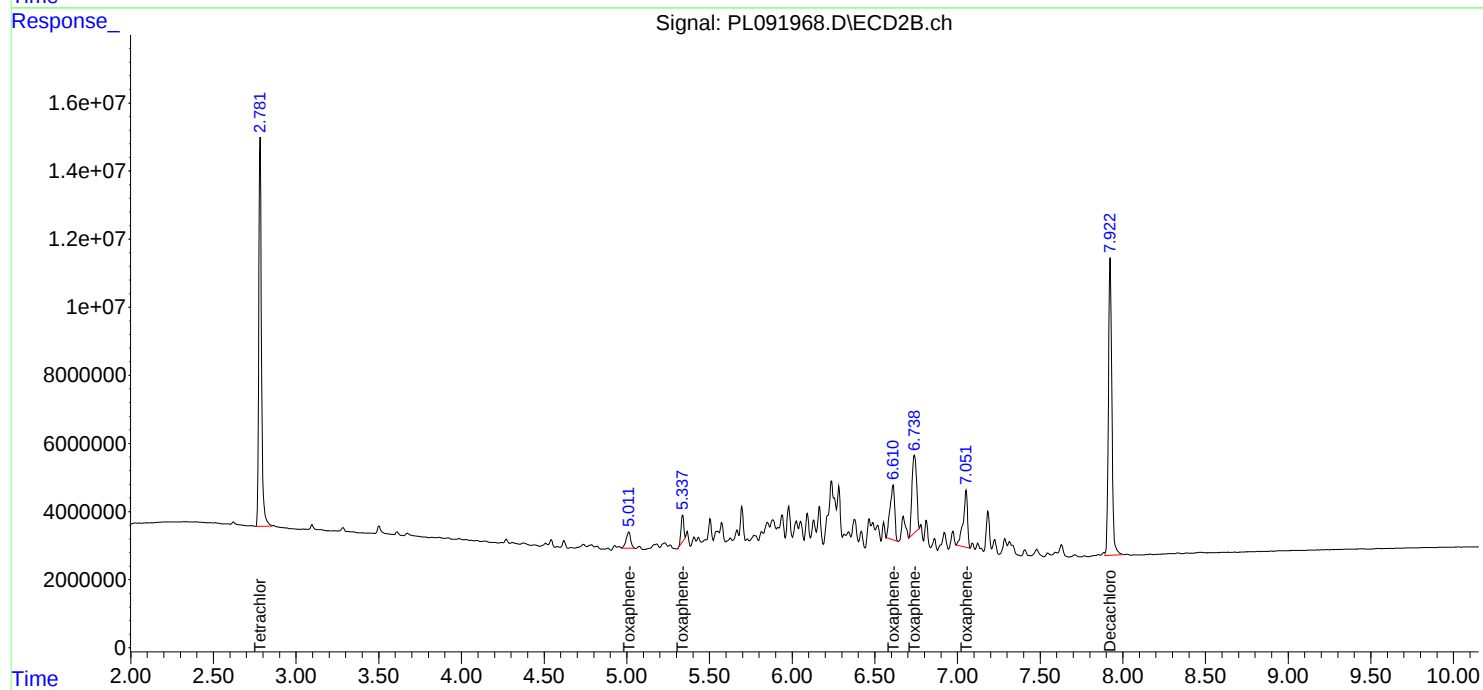
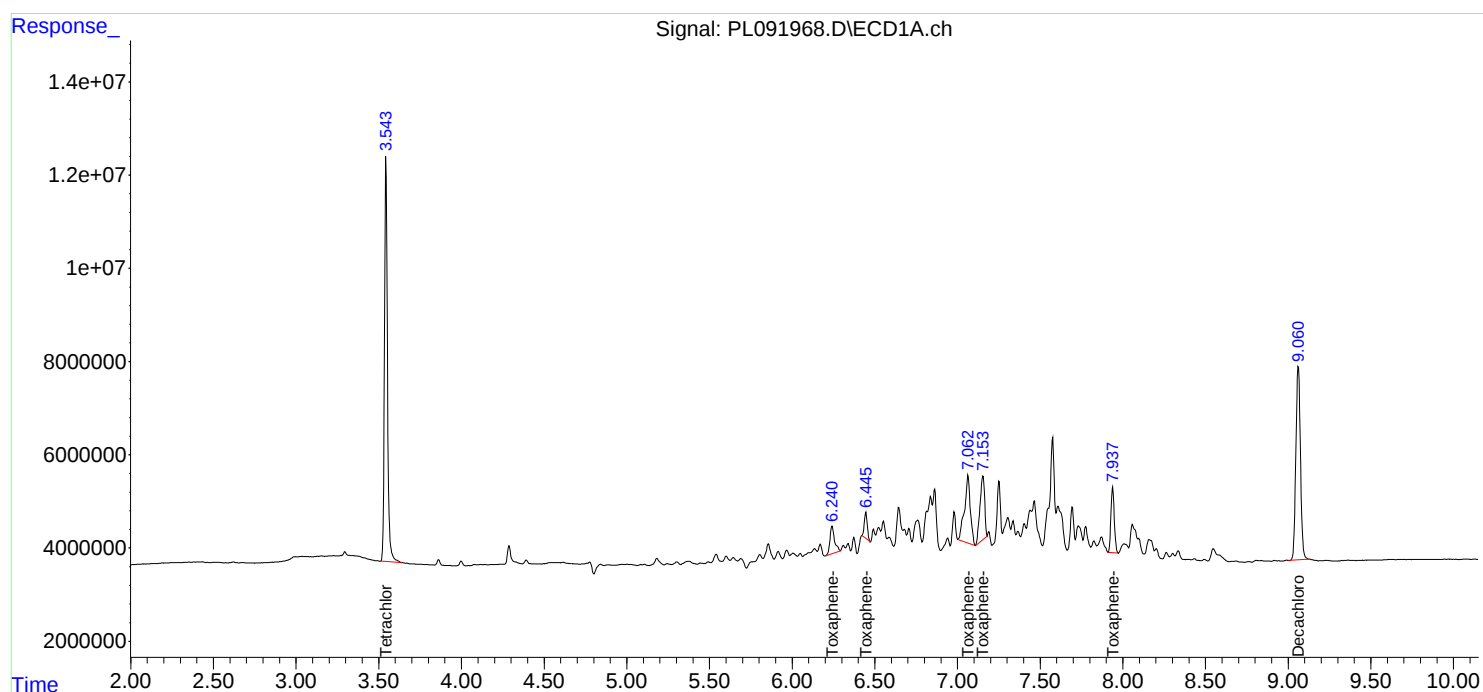
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

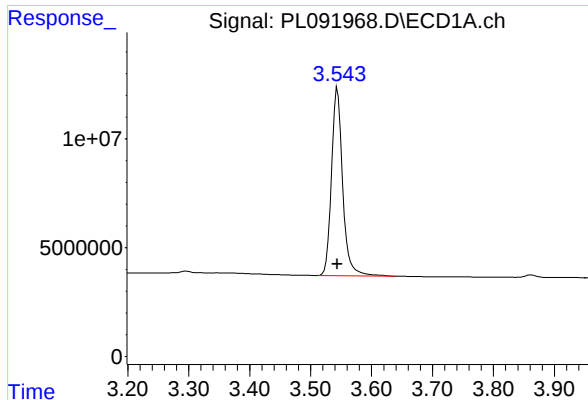
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091968.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:13
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:27:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

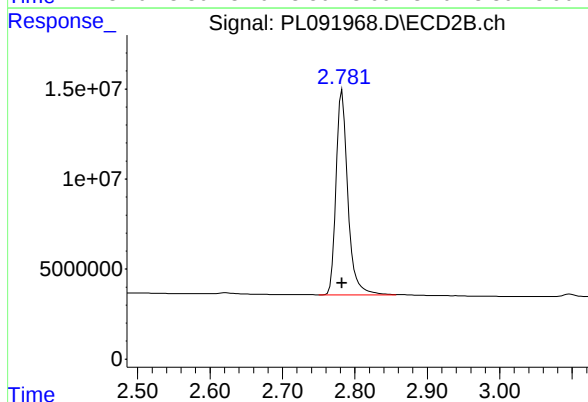




#1 Tetrachloro-m-xylene

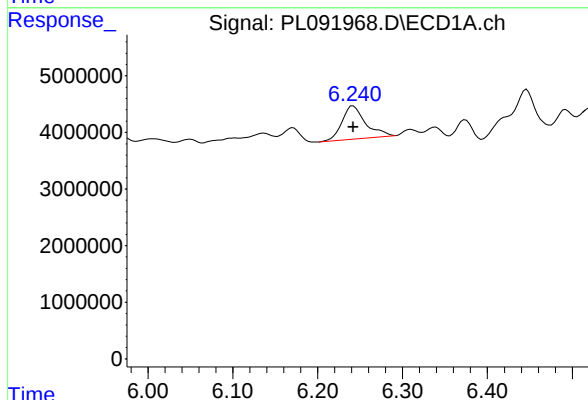
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 109530174
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



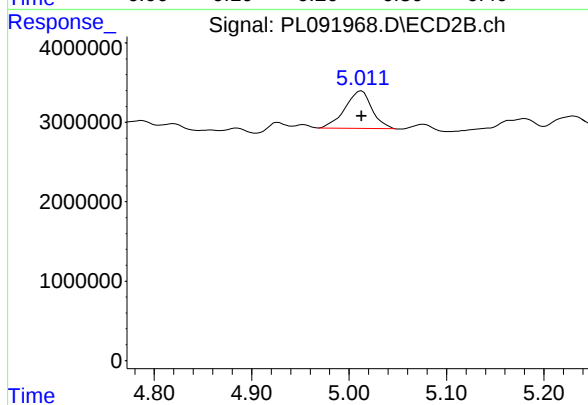
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 128182628
Conc: 50.00 ng/ml



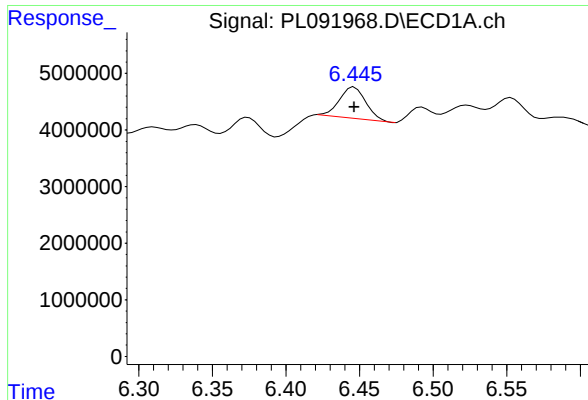
#2 Toxaphene-1

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 11332642
Conc: 500.00 ng/ml



#2 Toxaphene-1

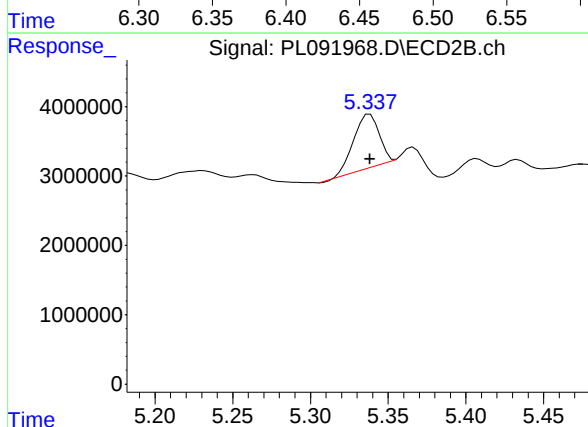
R.T.: 5.013 min
Delta R.T.: 0.000 min
Response: 9046791
Conc: 500.00 ng/ml



#3 Toxaphene-2

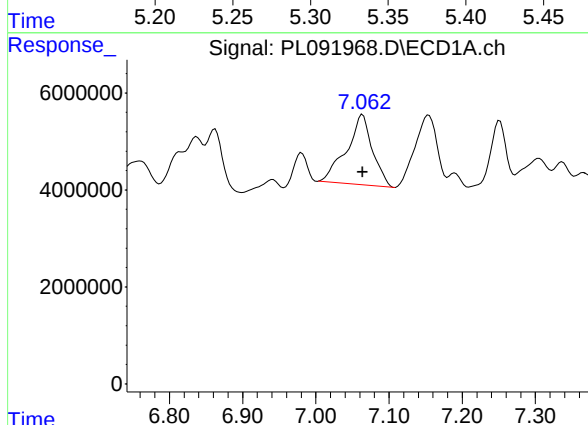
R.T.: 6.446 min
Delta R.T.: 0.000 min
Response: 6961013
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



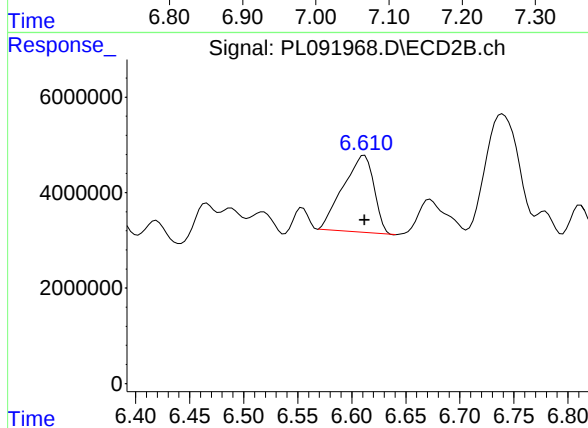
#3 Toxaphene-2

R.T.: 5.338 min
Delta R.T.: 0.000 min
Response: 8635853
Conc: 500.00 ng/ml



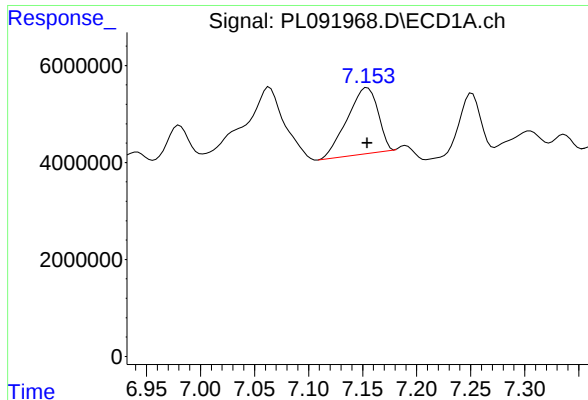
#4 Toxaphene-3

R.T.: 7.064 min
Delta R.T.: 0.000 min
Response: 35480266
Conc: 500.00 ng/ml



#4 Toxaphene-3

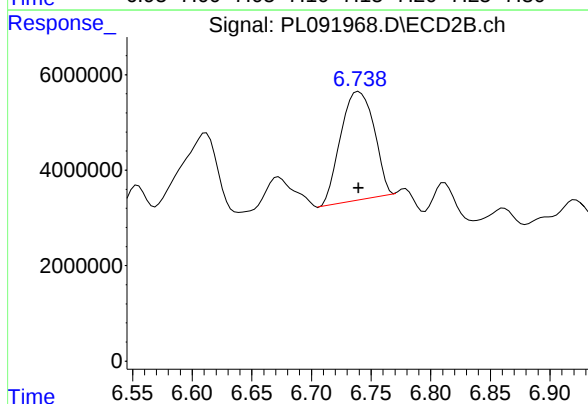
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 31997930
Conc: 500.00 ng/ml



#5 Toxaphene-4

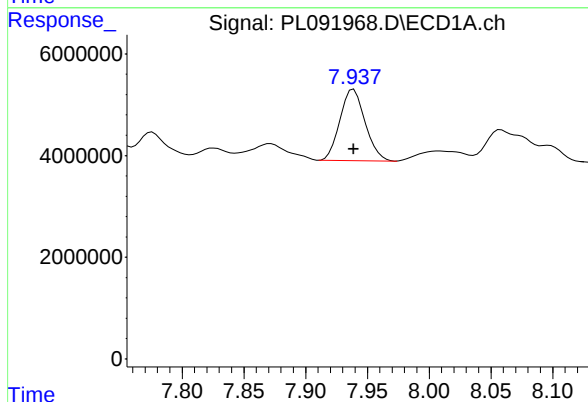
R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 26925608
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



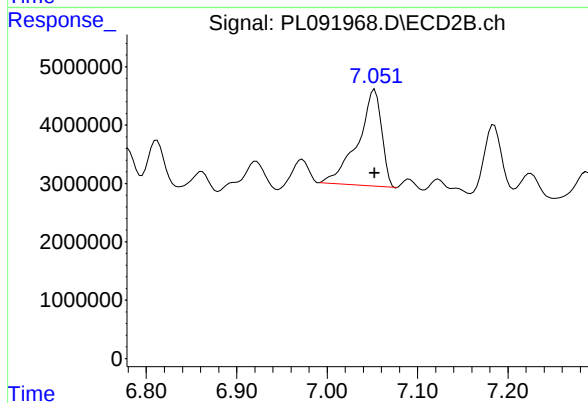
#5 Toxaphene-4

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 44333132
Conc: 500.00 ng/ml



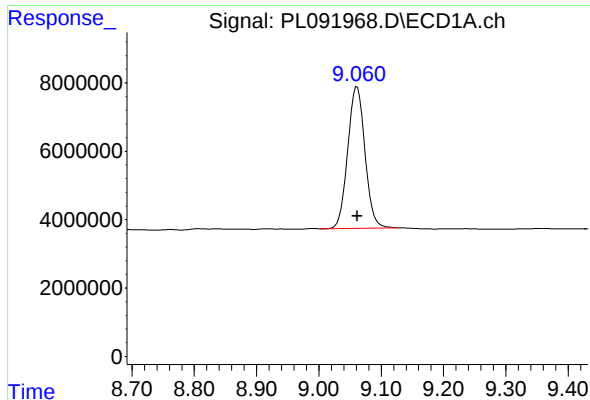
#6 Toxaphene-5

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 19863490
Conc: 500.00 ng/ml



#6 Toxaphene-5

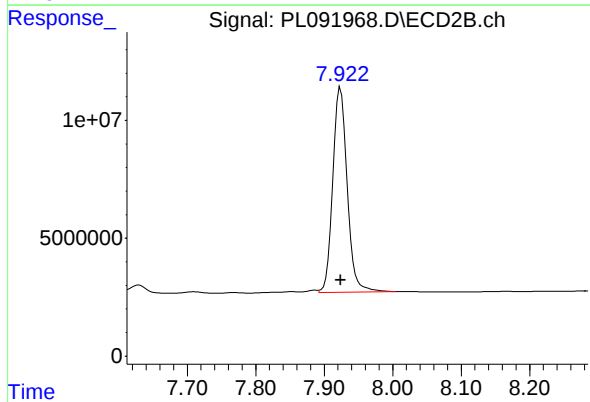
R.T.: 7.053 min
Delta R.T.: 0.000 min
Response: 30174872
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 79903287
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 126970501
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091969.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:26
Operator : AR\AJ
Sample : PTOXICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:42:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:42:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.782	57819991	64679600	26.400	25.190
7) SA Decachlor...	9.063	7.924	43489567	66742978	27.423	26.475
Target Compounds						
2) Toxaphene-1	6.242	5.013	5840000	4369536	266.047	242.385
3) Toxaphene-2	6.447	5.338	3732146	4319042	269.916	252.009
4) Toxaphene-3	7.063	6.612	18692342	14847048	265.507	238.418
5) Toxaphene-4	7.155	6.740	14339815	21819180	270.071	248.368
6) Toxaphene-5	7.939	7.053	10662955	14462351	269.939	244.793

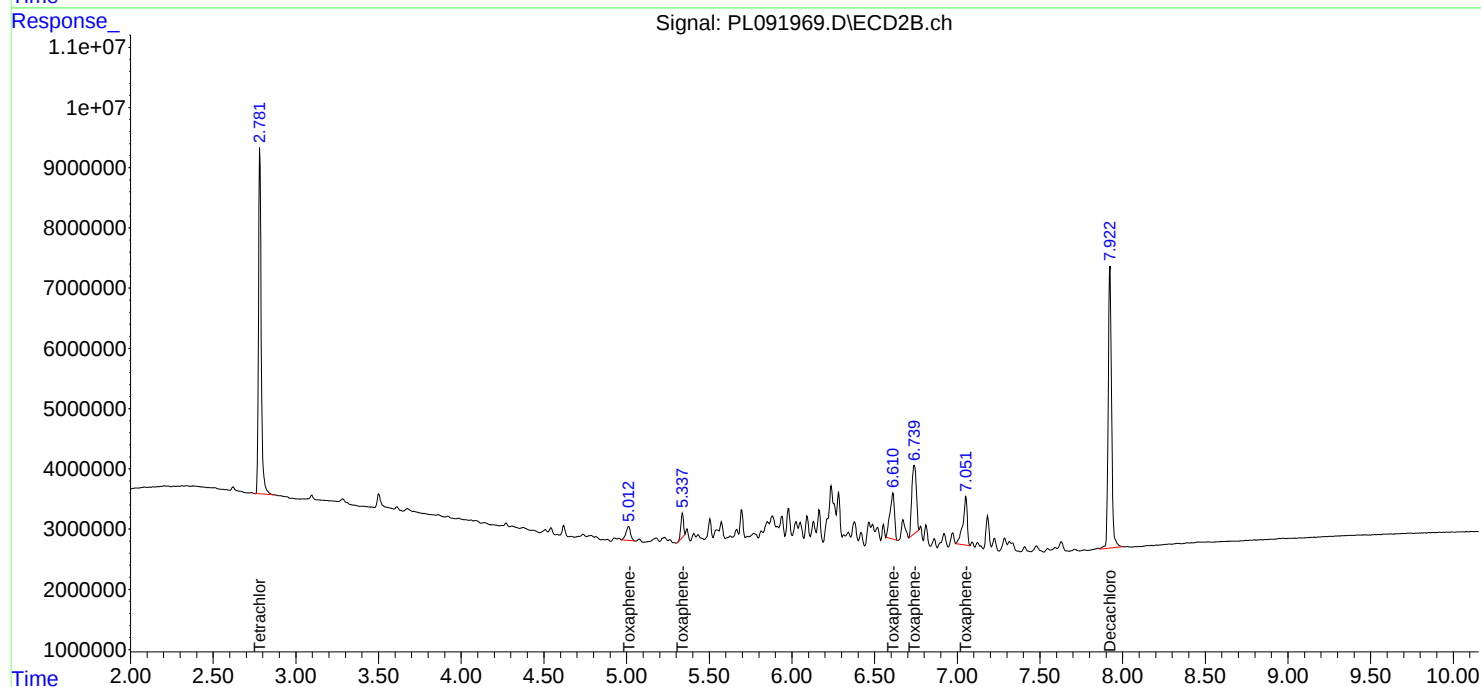
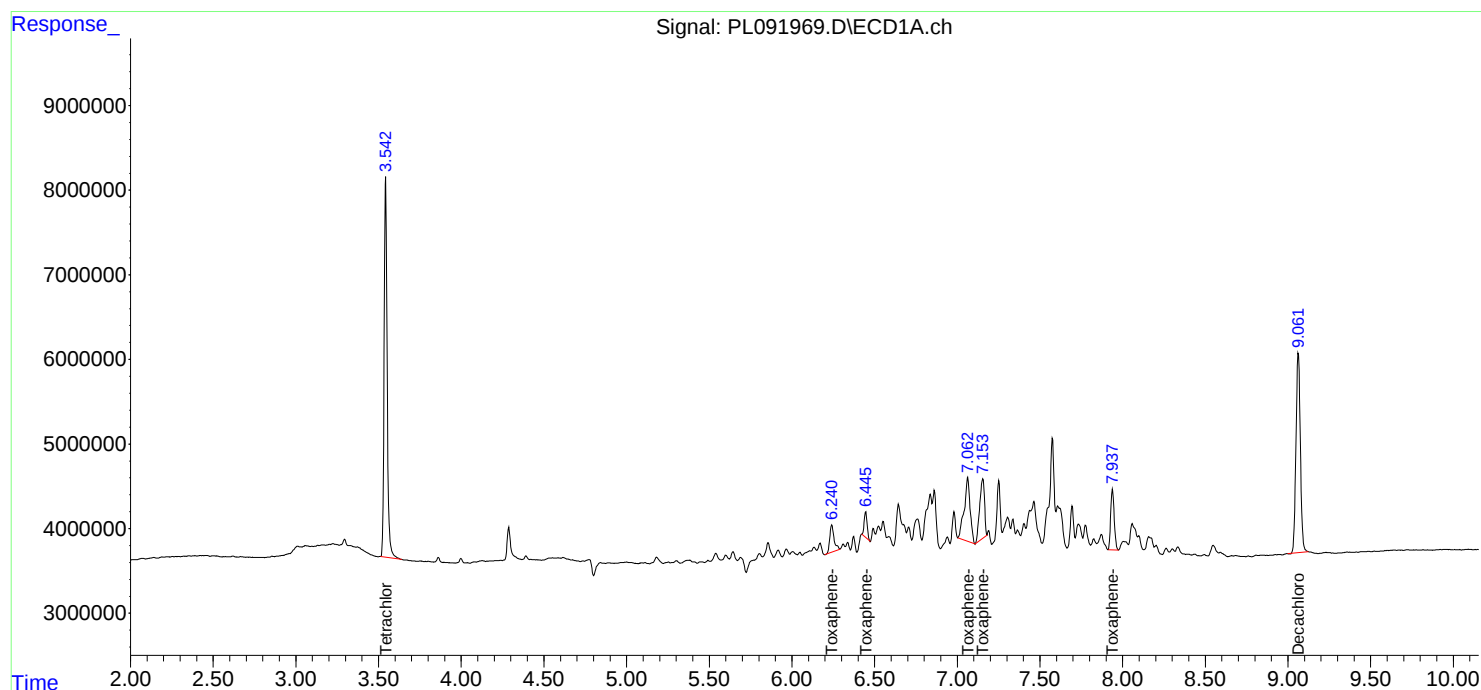
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

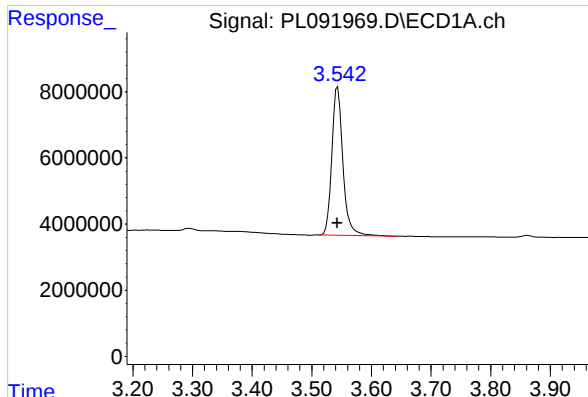
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091969.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:26
Operator : AR\AJ
Sample : PTOXICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:42:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:42:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

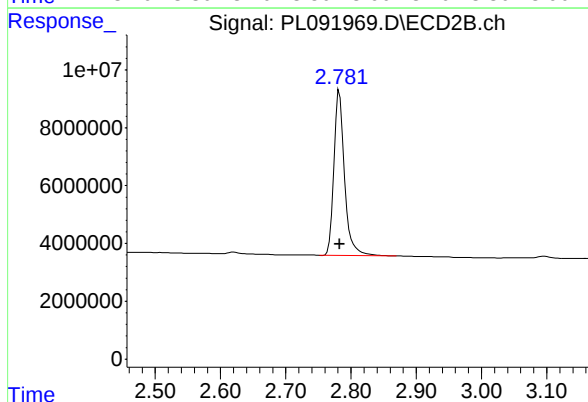




#1 Tetrachloro-m-xylene

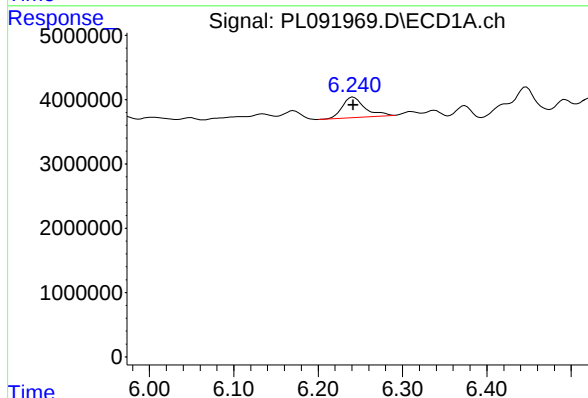
R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 57819991
Conc: 26.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC250



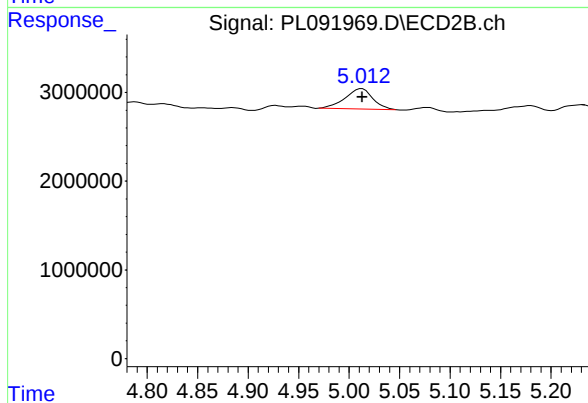
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 64679600
Conc: 25.19 ng/ml



#2 Toxaphene-1

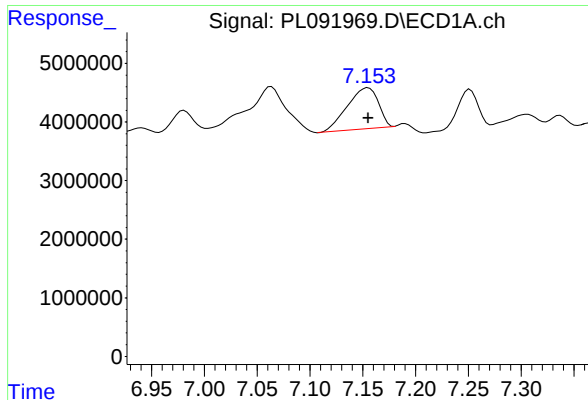
R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 5840000
Conc: 266.05 ng/ml



#2 Toxaphene-1

R.T.: 5.013 min
Delta R.T.: 0.000 min
Response: 4369536
Conc: 242.38 ng/ml

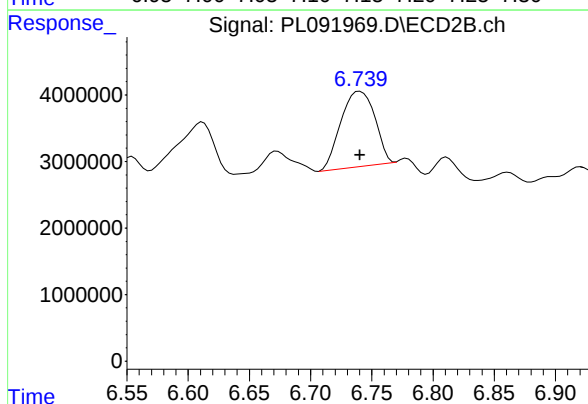
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 14847048
Conc: 238.42 ng/ml



#5 Toxaphene-4

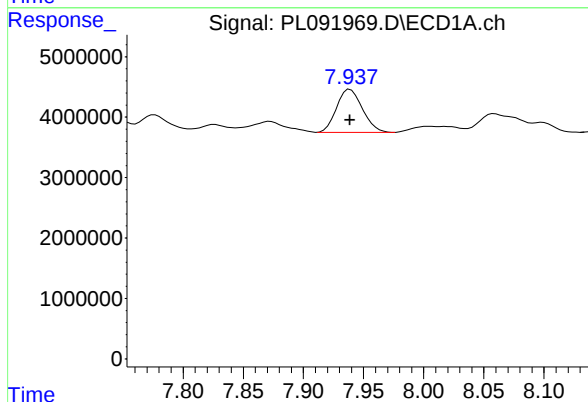
R.T.: 7.155 min
Delta R.T.: 0.000 min
Response: 14339815
Conc: 270.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC250



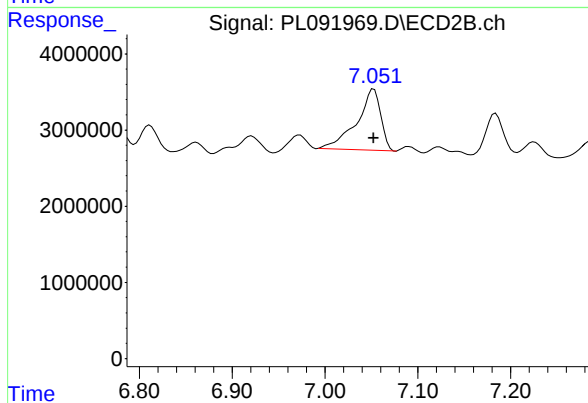
#5 Toxaphene-4

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 21819180
Conc: 248.37 ng/ml



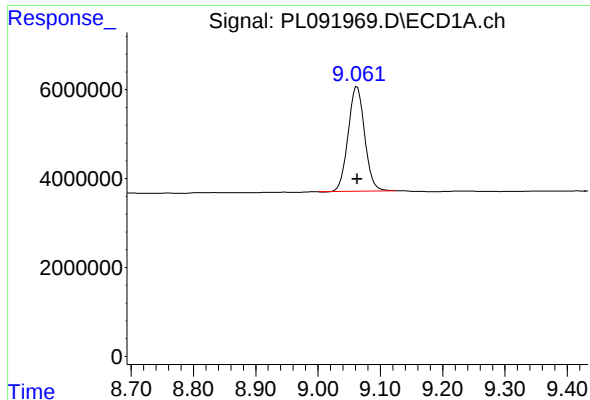
#6 Toxaphene-5

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 10662955
Conc: 269.94 ng/ml



#6 Toxaphene-5

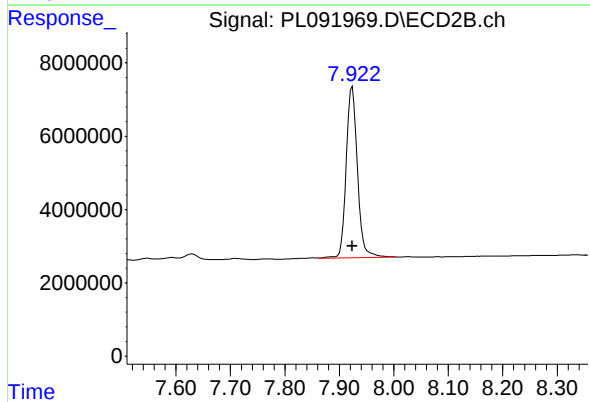
R.T.: 7.053 min
Delta R.T.: 0.000 min
Response: 14462351
Conc: 244.79 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.000 min
Response: 43489567
Conc: 27.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC250



#7 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 66742978
Conc: 26.48 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091970.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:40
Operator : AR\AJ
Sample : PTOXICC100
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PTOXICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/24/2024

Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:50:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:50:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	25461320	27054349	11.259	10.425
7) SA Decachlor...	9.060	7.922	18922641	28095621	11.488	10.893m

Target Compounds						
2) Toxaphene-1	6.242	5.013	2811686	1897211	121.276	104.149
3) Toxaphene-2	6.446	5.337	1686498	1885567	116.837	107.858
4) Toxaphene-3	7.062	6.611	8231315	5958822	113.091	96.521
5) Toxaphene-4	7.154	6.739	6367372	8790784	115.326	100.053
6) Toxaphene-5	7.939	7.052	4600032	6171582	112.743	103.538

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091970.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 14:40
Operator : AR\AJ
Sample : PTOXICC100
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PTOXICC100

Manual Integrations

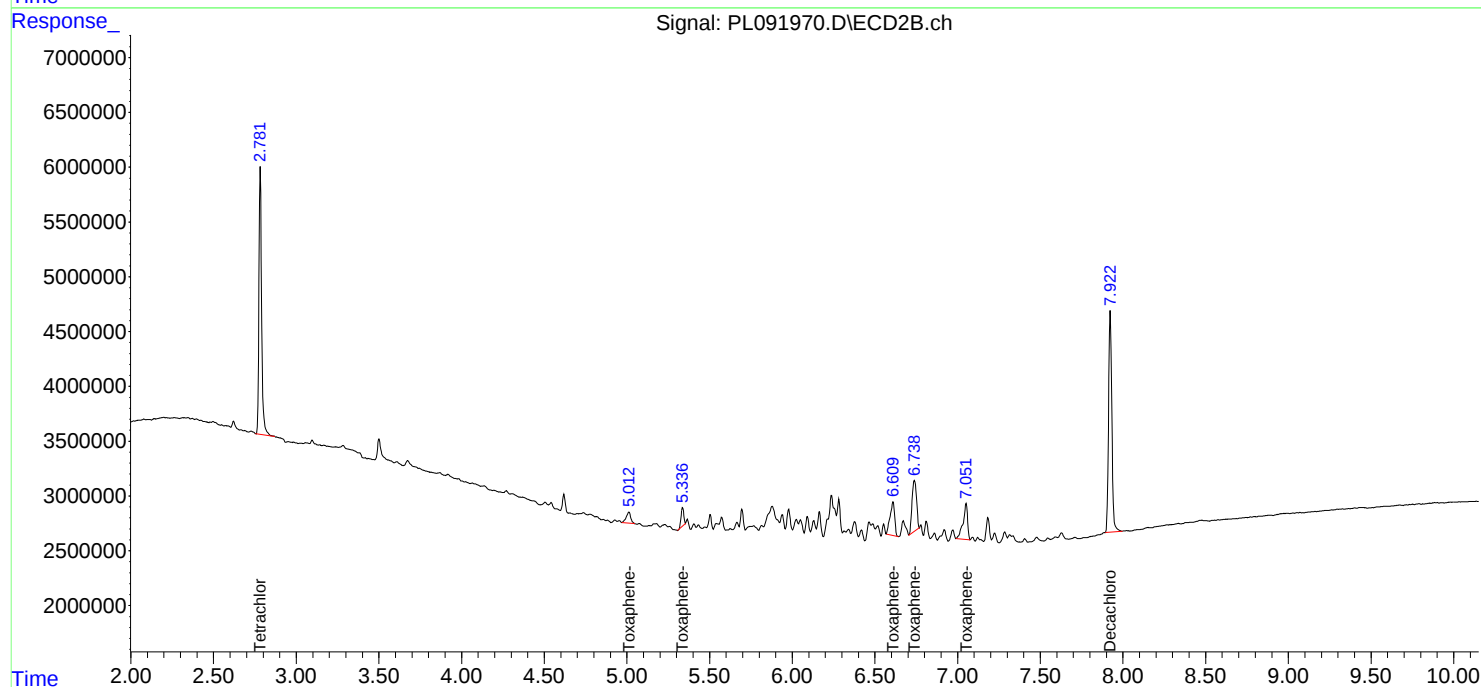
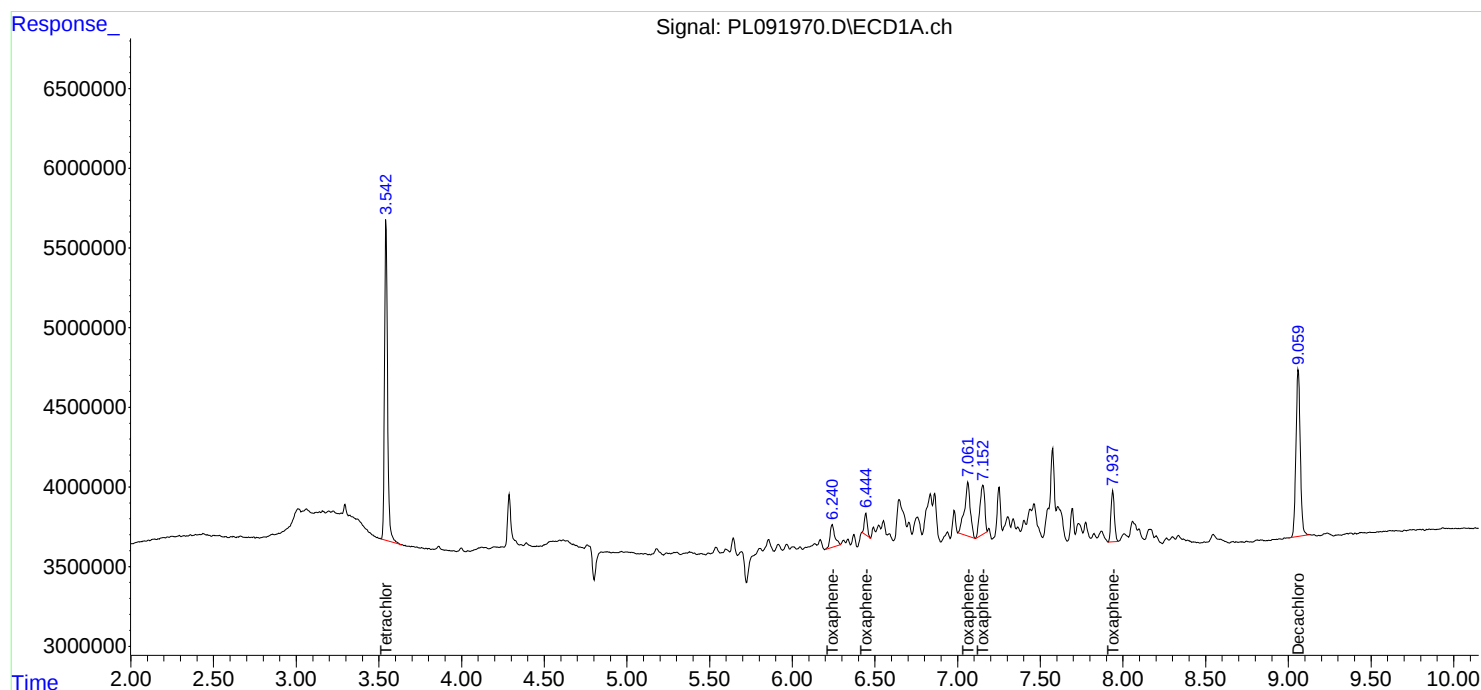
APPROVED

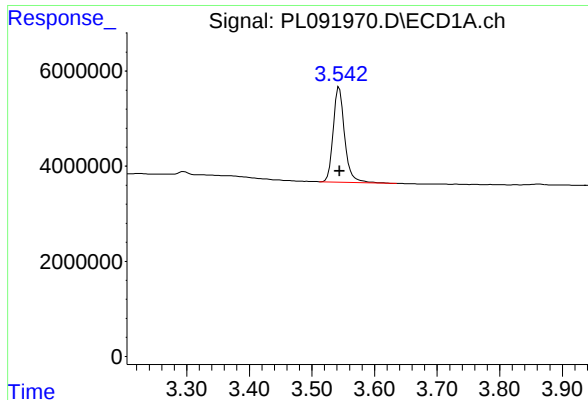
Reviewed By :Abdul Mirza 09/24/2024

Supervised By :Ankita Jodhani 09/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:50:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:50:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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





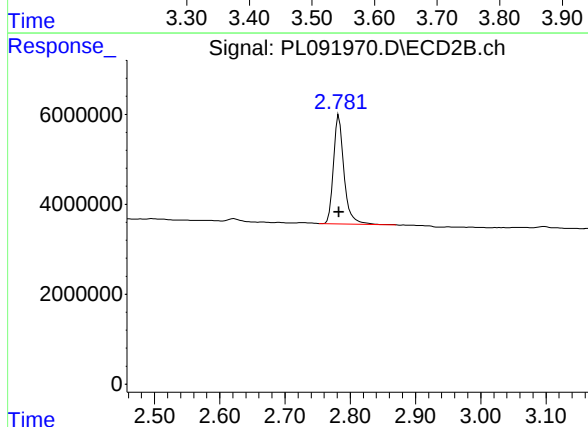
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 25461320
Conc: 11.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC100

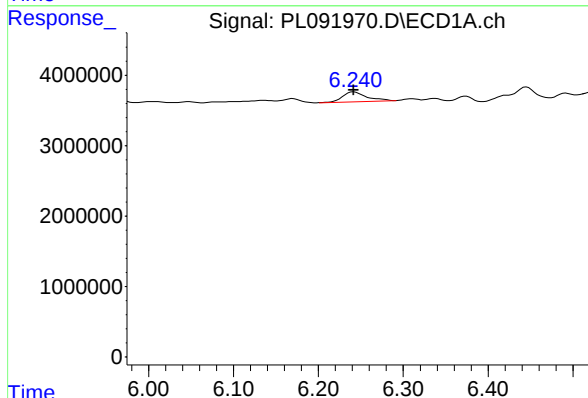
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



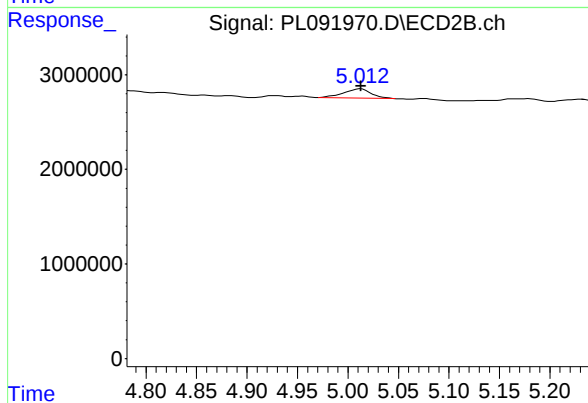
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 27054349
Conc: 10.42 ng/ml



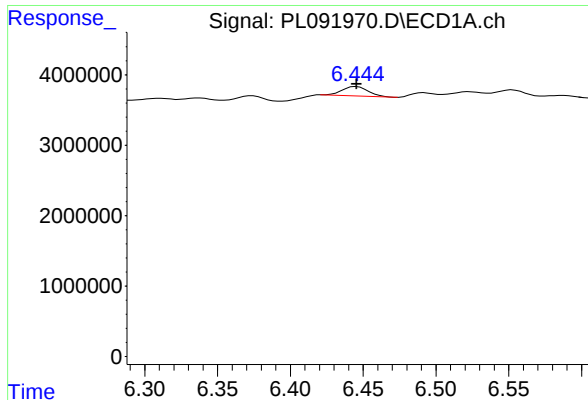
#2 Toxaphene-1

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 2811686
Conc: 121.28 ng/ml



#2 Toxaphene-1

R.T.: 5.013 min
Delta R.T.: 0.000 min
Response: 1897211
Conc: 104.15 ng/ml



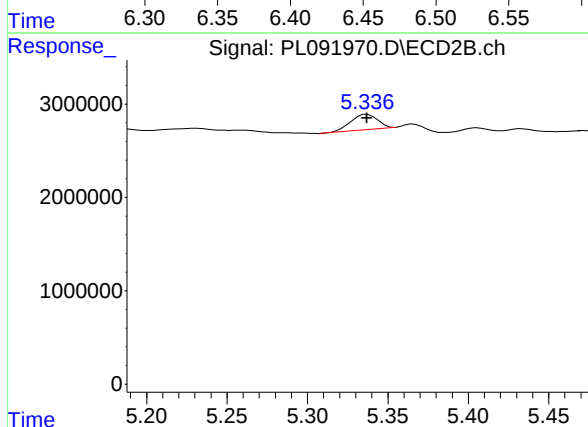
#3 Toxaphene-2

R.T.: 6.446 min
Delta R.T.: 0.000 min
Response: 1686498
Conc: 116.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC100

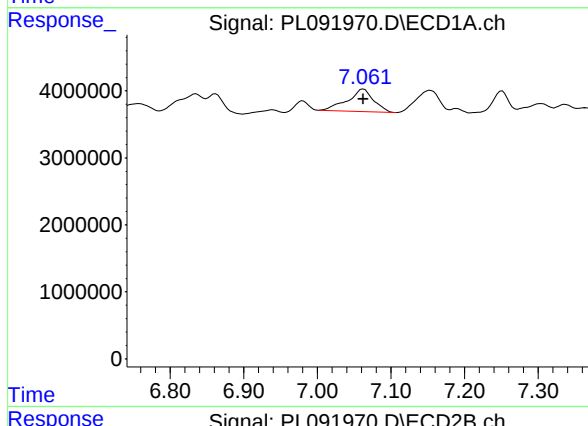
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



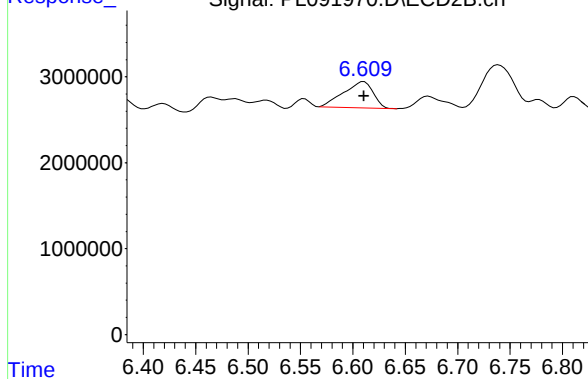
#3 Toxaphene-2

R.T.: 5.337 min
Delta R.T.: 0.000 min
Response: 1885567
Conc: 107.86 ng/ml



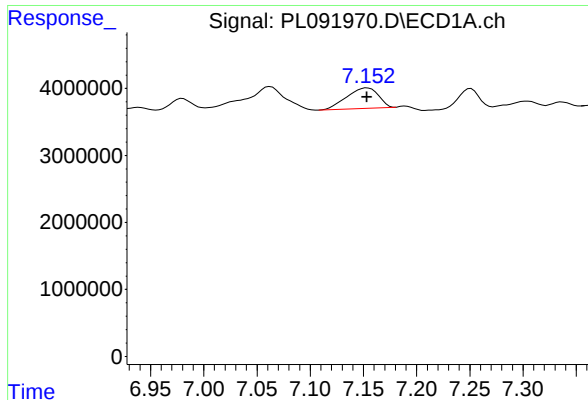
#4 Toxaphene-3

R.T.: 7.062 min
Delta R.T.: 0.000 min
Response: 8231315
Conc: 113.09 ng/ml



#4 Toxaphene-3

R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 5958822
Conc: 96.52 ng/ml



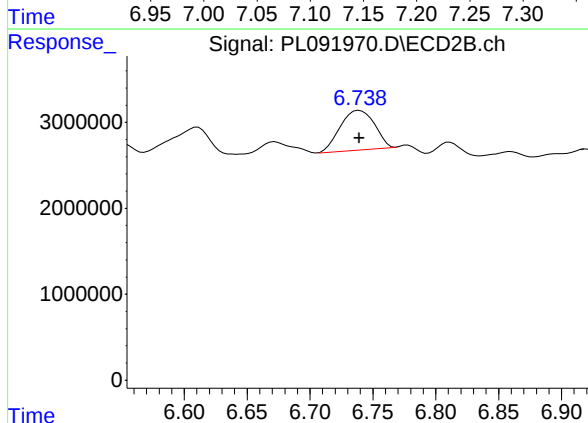
#5 Toxaphene-4

R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 6367372
Conc: 115.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC100

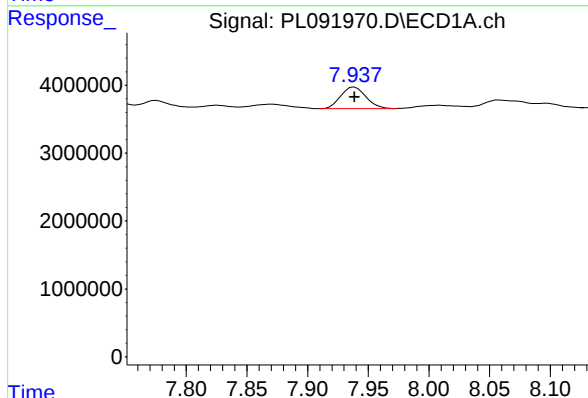
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



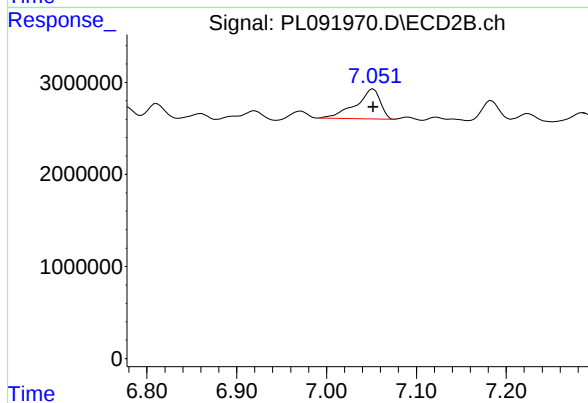
#5 Toxaphene-4

R.T.: 6.739 min
Delta R.T.: 0.000 min
Response: 8790784
Conc: 100.05 ng/ml



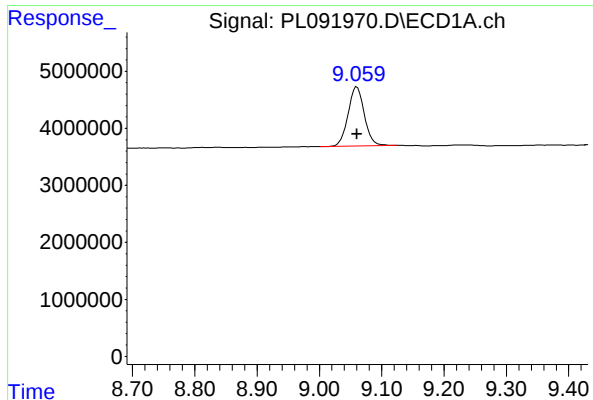
#6 Toxaphene-5

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 4600032
Conc: 112.74 ng/ml



#6 Toxaphene-5

R.T.: 7.052 min
Delta R.T.: 0.000 min
Response: 6171582
Conc: 103.54 ng/ml



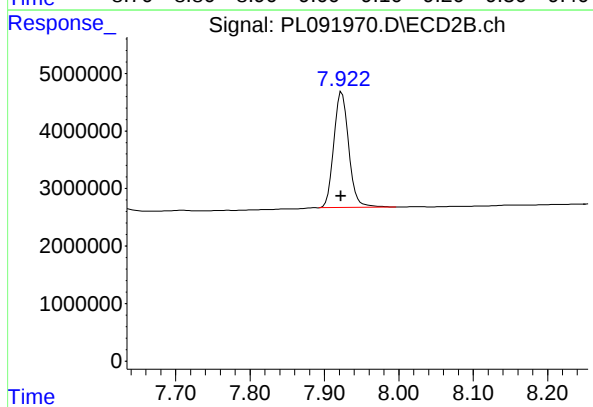
#7 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 18922641
Conc: 11.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC100

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2024
Supervised By :Ankita Jodhani 09/24/2024



#7 Decachlorobiphenyl

R.T.: 7.922 min
Delta R.T.: 0.000 min
Response: 28095621
Conc: 10.89 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 15:47
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:57:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	106.0E6	124.1E6	46.888	47.823
7) SA Decachlor...	9.061	7.924	76815884	122.2E6	46.636	47.394
Target Compounds						
2) Toxaphene-1	6.241	5.013	11013305	8801665	475.036	483.177
3) Toxaphene-2	6.445	5.337	6784732	8482784	470.031	485.233
4) Toxaphene-3	7.062	6.611	33644733	30213842	462.251	489.402
5) Toxaphene-4	7.154	6.740	25440428	43005290	460.778	489.466
6) Toxaphene-5	7.938	7.052	19006455	28140333	465.831	472.098

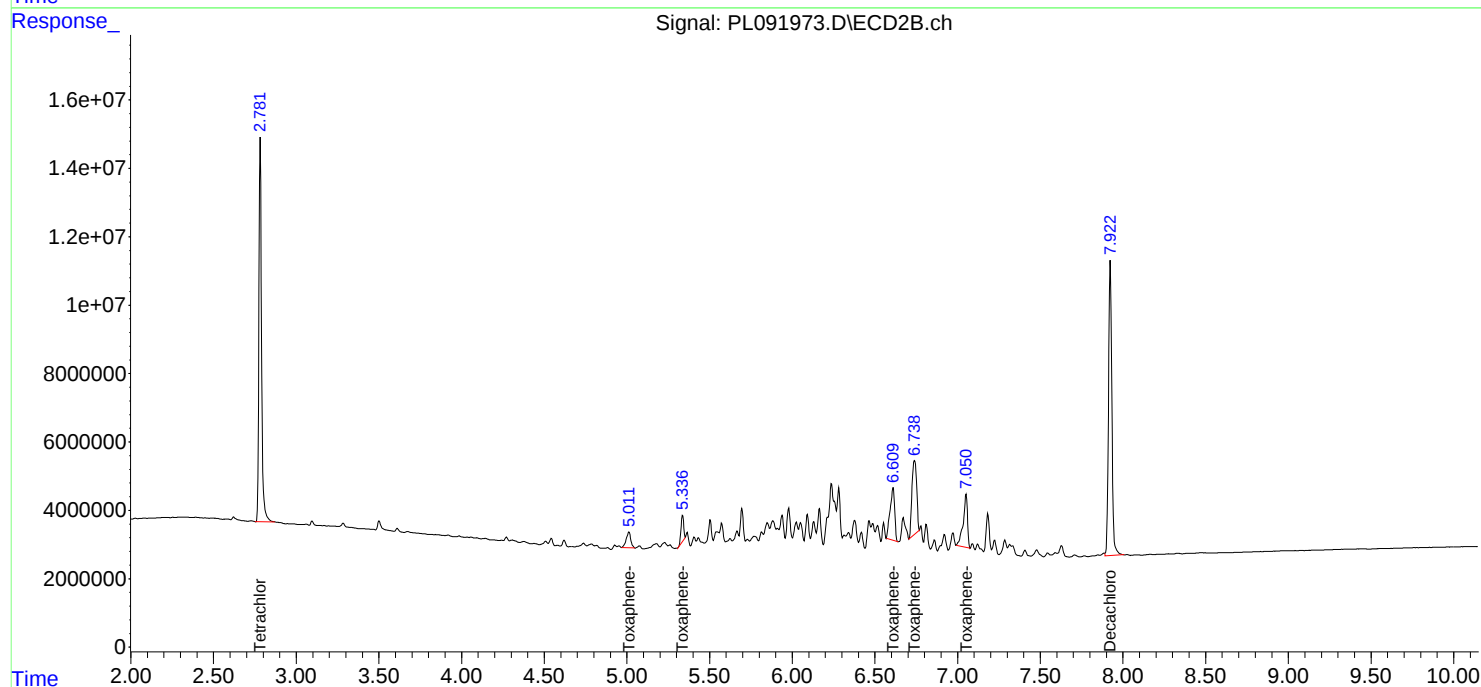
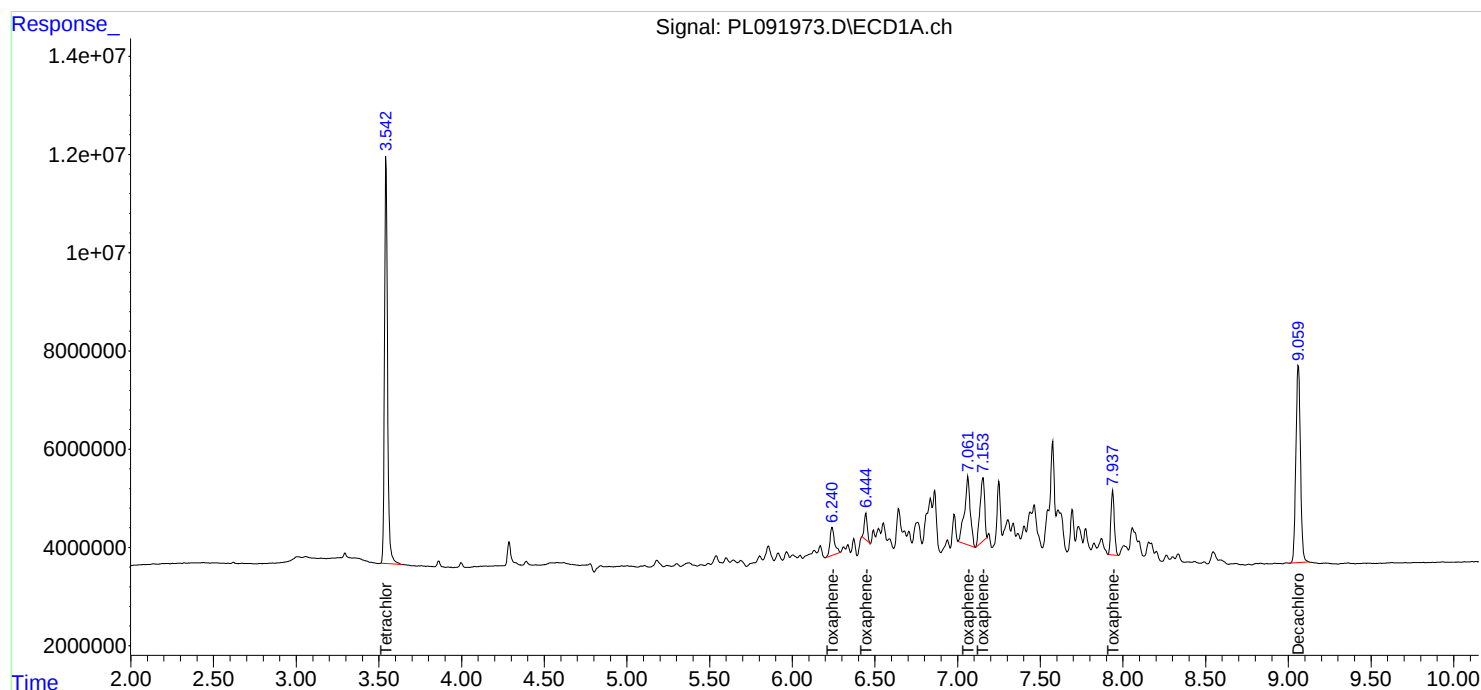
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

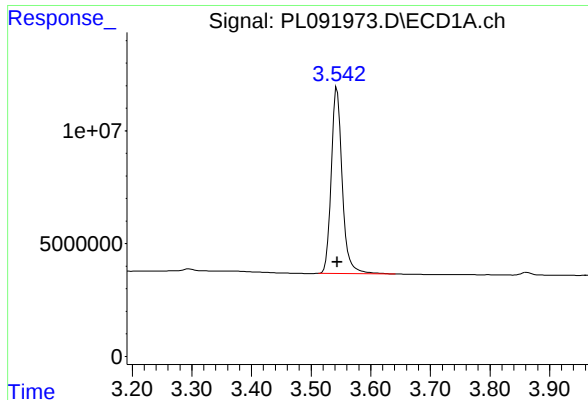
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 15:47
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL092324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:57:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

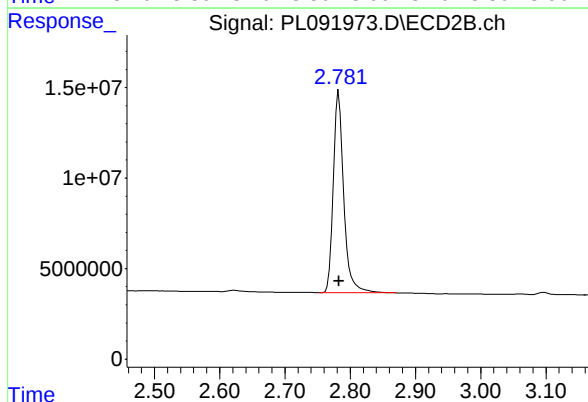




#1 Tetrachloro-m-xylene

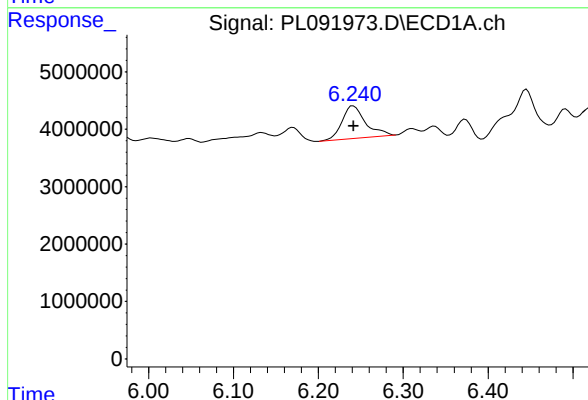
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 106030184
Conc: 46.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



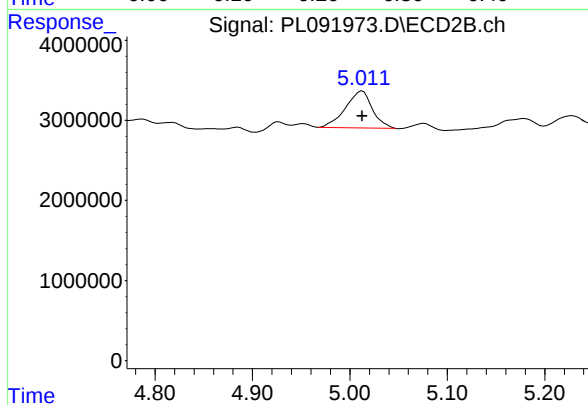
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 124113309
Conc: 47.82 ng/ml



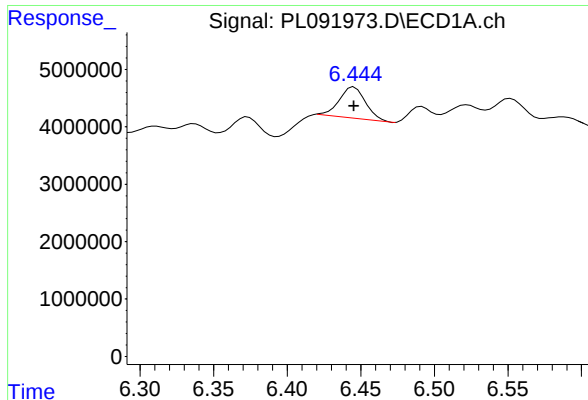
#2 Toxaphene-1

R.T.: 6.241 min
Delta R.T.: 0.000 min
Response: 11013305
Conc: 475.04 ng/ml



#2 Toxaphene-1

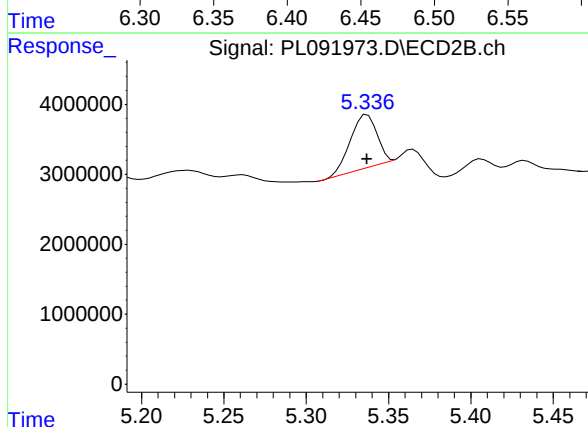
R.T.: 5.013 min
Delta R.T.: 0.000 min
Response: 8801665
Conc: 483.18 ng/ml



#3 Toxaphene-2

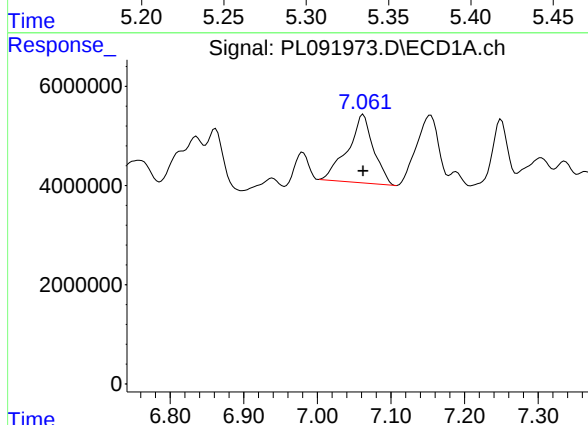
R.T.: 6.445 min
Delta R.T.: 0.000 min
Response: 6784732
Conc: 470.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



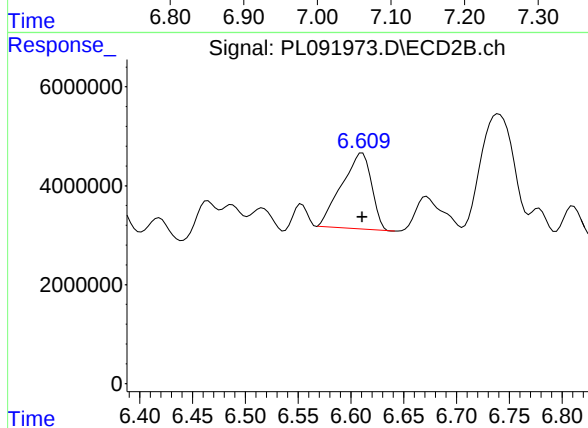
#3 Toxaphene-2

R.T.: 5.337 min
Delta R.T.: 0.000 min
Response: 8482784
Conc: 485.23 ng/ml



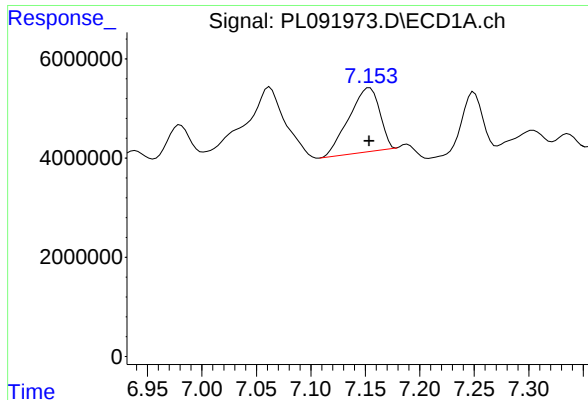
#4 Toxaphene-3

R.T.: 7.062 min
Delta R.T.: 0.000 min
Response: 33644733
Conc: 462.25 ng/ml



#4 Toxaphene-3

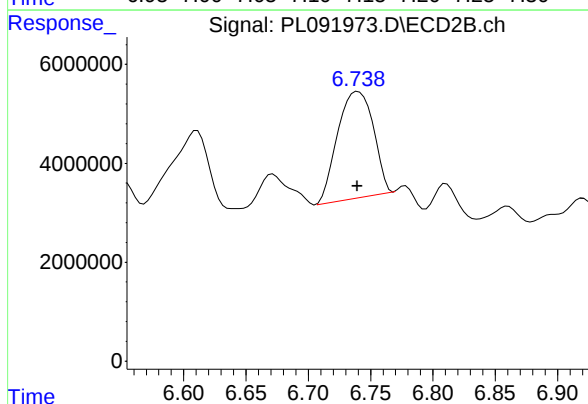
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 30213842
Conc: 489.40 ng/ml



#5 Toxaphene-4

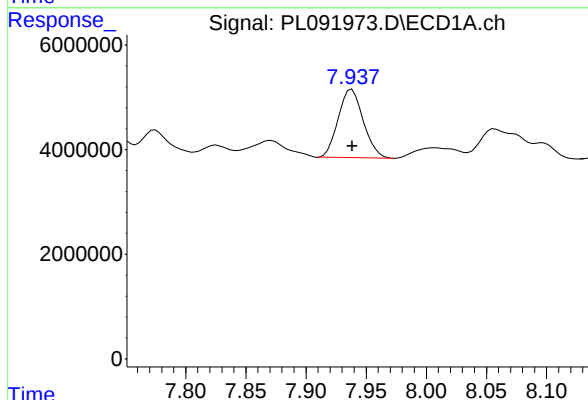
R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 25440428
Conc: 460.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



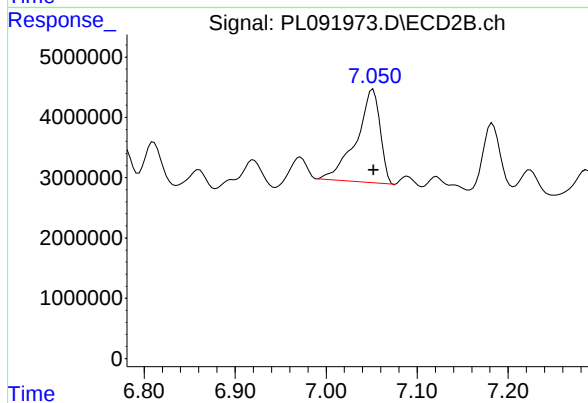
#5 Toxaphene-4

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 43005290
Conc: 489.47 ng/ml



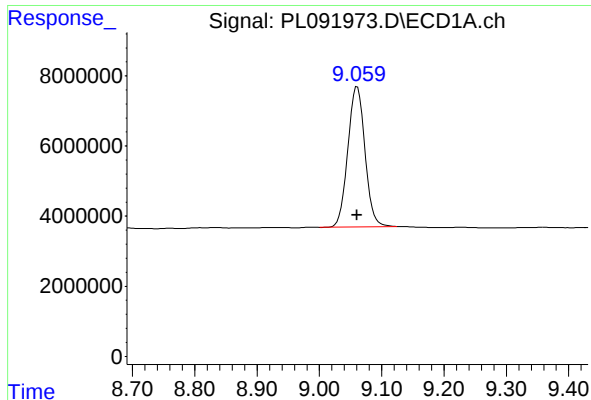
#6 Toxaphene-5

R.T.: 7.938 min
Delta R.T.: 0.000 min
Response: 19006455
Conc: 465.83 ng/ml



#6 Toxaphene-5

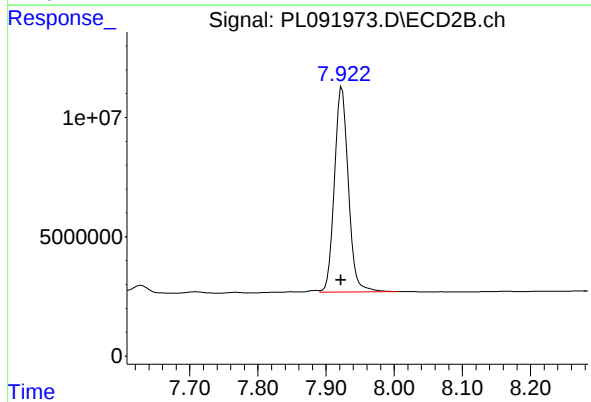
R.T.: 7.052 min
Delta R.T.: 0.000 min
Response: 28140333
Conc: 472.10 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 76815884
Conc: 46.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL092324



#7 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.002 min
Response: 122214426
Conc: 47.39 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 12:12 Initial Calibration Time(s): 17:47 18:42

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Toxaphene-1	(1)	6.25	6.24	6.14	6.34	0.00
Toxaphene-2	(2)	6.45	6.44	6.34	6.54	-0.01
Toxaphene-3	(3)	7.07	7.06	6.96	7.16	-0.01
Toxaphene-4	(4)	7.16	7.15	7.05	7.25	-0.01
Toxaphene-5	(5)	7.94	7.93	7.83	8.03	-0.01
Decachlorobiphenyl		9.07	9.05	8.95	9.15	-0.02
Tetrachloro-m-xylene		3.55	3.54	3.44	3.64	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 12:12 Initial Calibration Time(s): 17:47 18:42

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Toxaphene-1	(1)	5.01	5.01	4.91	5.11	0.00
Toxaphene-2	(2)	5.34	5.34	5.24	5.44	0.00
Toxaphene-3	(3)	6.61	6.61	6.51	6.71	0.00
Toxaphene-4	(4)	6.74	6.74	6.64	6.84	0.00
Toxaphene-5	(5)	7.06	7.05	6.95	7.15	0.00
Decachlorobiphenyl		7.93	7.92	7.82	8.02	-0.01
Tetrachloro-m-xylene		2.78	2.78	2.68	2.88	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL01 Date Analyzed: 09/10/2024

Lab Sample No.: PTOXCCC500 Data File : PL091608.D Time Analyzed: 12:12

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.954	9.154	45.850	50.000	-8.3
Tetrachloro-m-xylene	3.549	3.442	3.642	49.170	50.000	-1.7
Toxaphene-1	6.245	6.138	6.338	538.680	500.000	7.7
Toxaphene-2	6.451	6.342	6.542	481.410	500.000	-3.7
Toxaphene-3	7.067	6.959	7.159	518.910	500.000	3.8
Toxaphene-4	7.158	7.050	7.250	481.940	500.000	-3.6
Toxaphene-5	7.943	7.834	8.034	488.310	500.000	-2.3



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/09/2024 09/09/2024

Client Sample No.: CCAL01 **Date Analyzed:** 09/10/2024

Lab Sample No.: PTOXCCC500 **Data File :** PL091608.D **Time Analyzed:** 12:12

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.927	7.821	8.021	50.560	50.000	1.1
Tetrachloro-m-xylene	2.783	2.682	2.882	50.060	50.000	0.1
Toxaphene-1	5.014	4.910	5.110	450.730	500.000	-9.9
Toxaphene-2	5.340	5.236	5.436	445.750	500.000	-10.9
Toxaphene-3	6.614	6.509	6.709	515.020	500.000	3.0
Toxaphene-4	6.743	6.638	6.838	545.360	500.000	9.1
Toxaphene-5	7.055	6.948	7.148	453.470	500.000	-9.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
 Data File : PL091608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 12:12
 Operator : AR\AJ
 Sample : PTOXCCC500
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PTOXCCC500

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/12/2024
 Supervised By : Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 05:39:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
 Quant Title : GC Extractables
 QLast Update : Tue Sep 10 06:22:07 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.783	80247739	101.2E6	49.171	50.057
7) SA Decachlor...	9.066	7.927	57812781	95054229	45.854	50.559
Target Compounds						
2) Toxaphene-1	6.245	5.699	4698481	5610637	490.543m	575.617
3) Toxaphene-2	6.451	5.982	4292815	7483411	489.343	472.355
4) Toxaphene-3	7.067	6.614	23987110	21541261	518.909	515.018
5) Toxaphene-4	7.158	6.743	18726833	30111145	481.943	545.359
6) Toxaphene-5	7.943	7.187	13549319	9437925	487.433	530.167

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:12
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PTOXCCC500

Manual Integrations

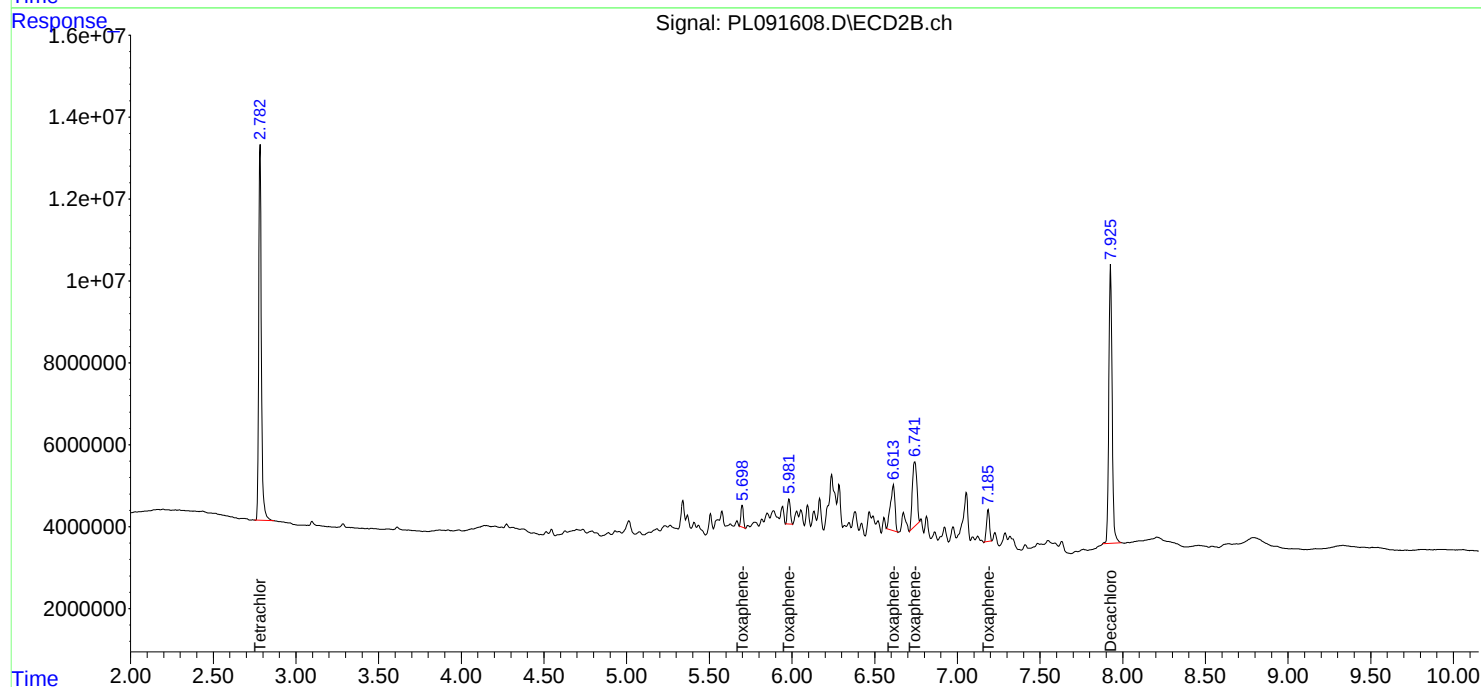
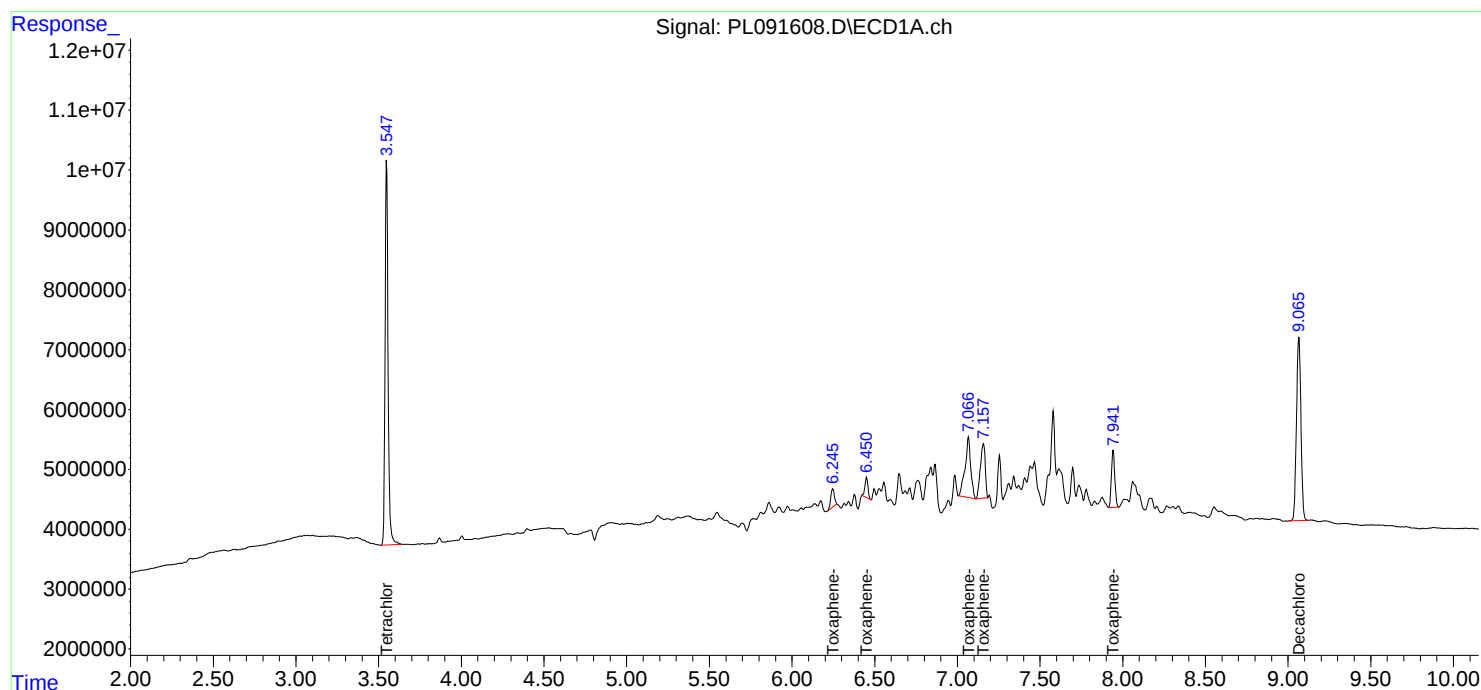
APPROVED

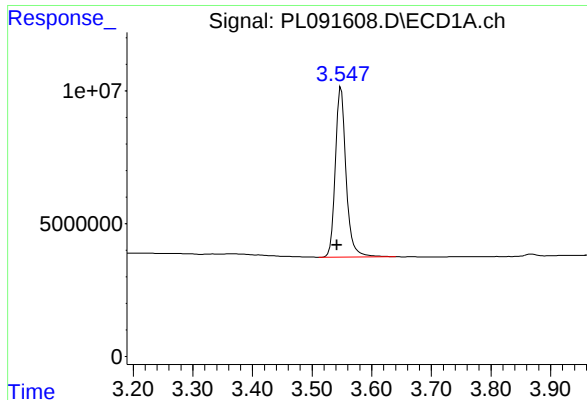
Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:39:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Tue Sep 10 06:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





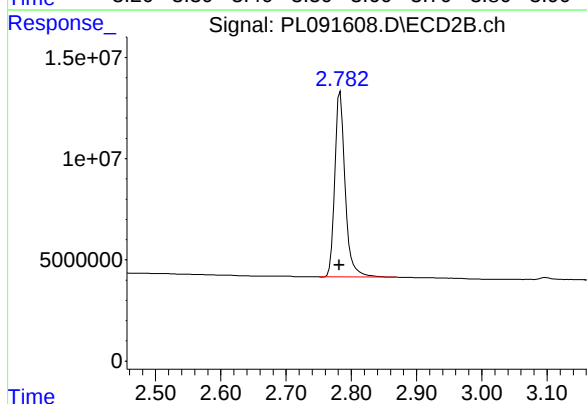
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.007 min
Response: 80247739
Conc: 49.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

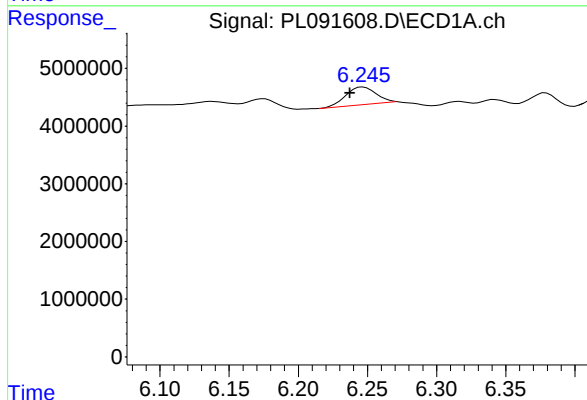
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



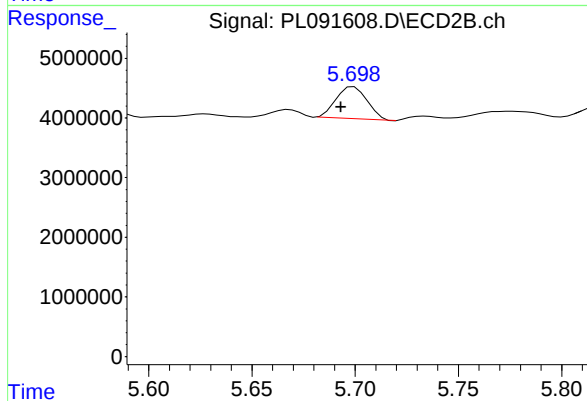
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.002 min
Response: 101198008
Conc: 50.06 ng/ml



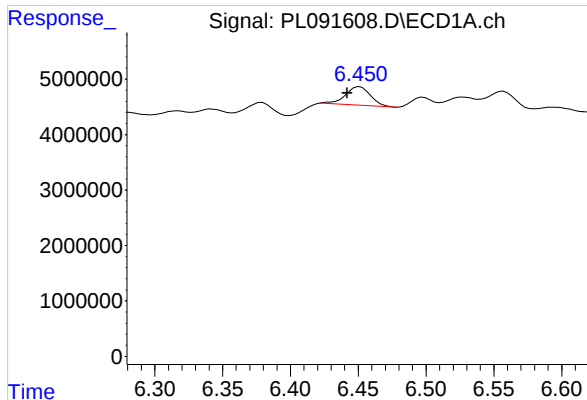
#2 Toxaphene-1

R.T.: 6.245 min
Delta R.T.: 0.008 min
Response: 4698481
Conc: 490.54 ng/ml m



#2 Toxaphene-1

R.T.: 5.699 min
Delta R.T.: 0.006 min
Response: 5610637
Conc: 575.62 ng/ml



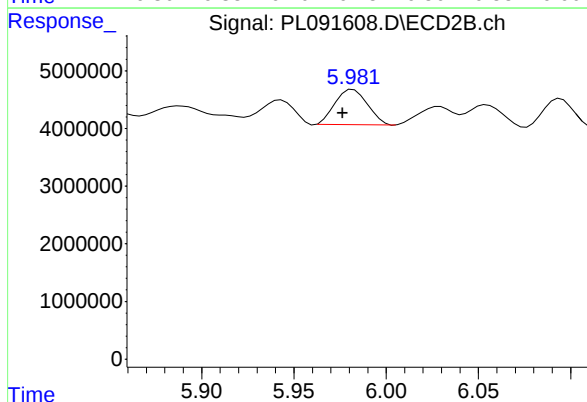
#3 Toxaphene-2

R.T.: 6.451 min
Delta R.T.: 0.009 min
Response: 4292815
Conc: 489.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

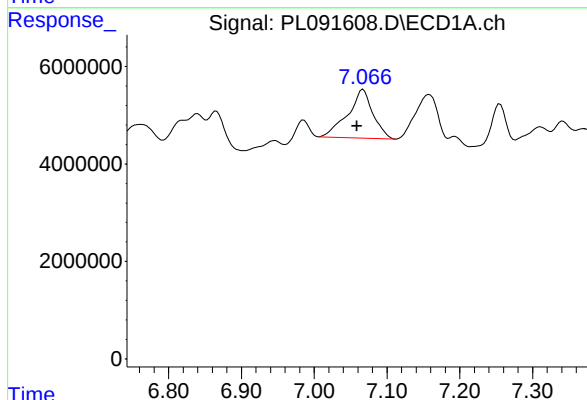
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



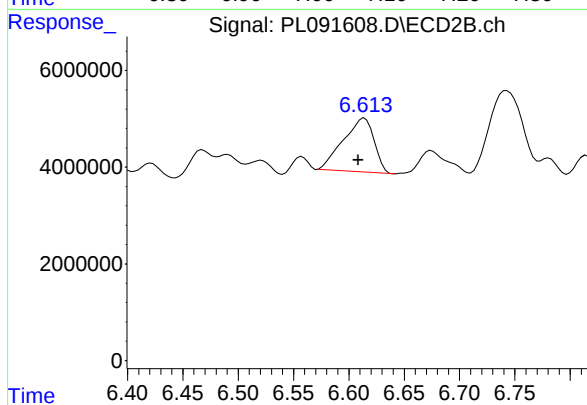
#3 Toxaphene-2

R.T.: 5.982 min
Delta R.T.: 0.006 min
Response: 7483411
Conc: 472.36 ng/ml



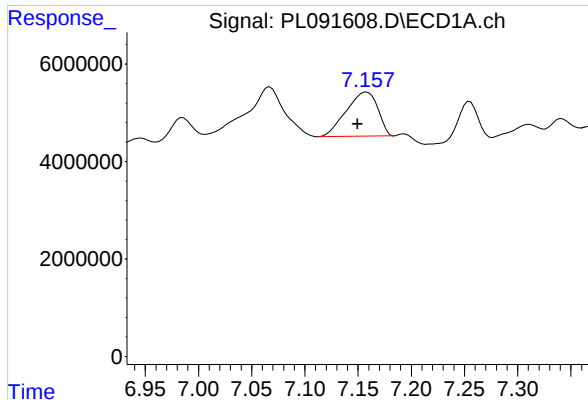
#4 Toxaphene-3

R.T.: 7.067 min
Delta R.T.: 0.009 min
Response: 23987110
Conc: 518.91 ng/ml



#4 Toxaphene-3

R.T.: 6.614 min
Delta R.T.: 0.006 min
Response: 21541261
Conc: 515.02 ng/ml



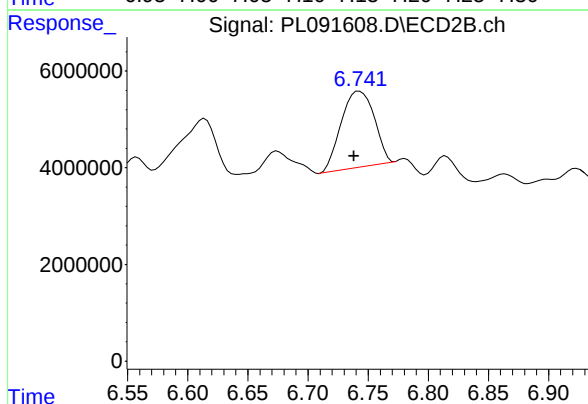
#5 Toxaphene-4

R.T.: 7.158 min
Delta R.T.: 0.008 min
Response: 18726833
Conc: 481.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

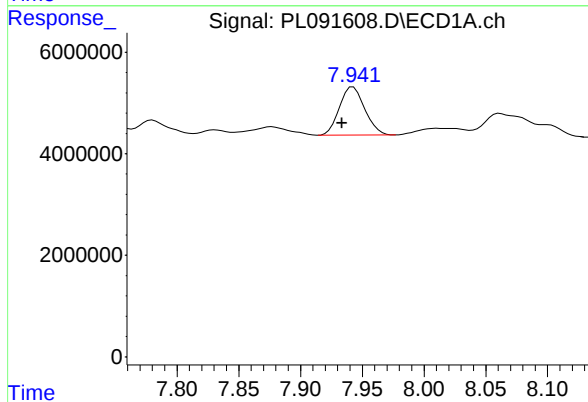
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



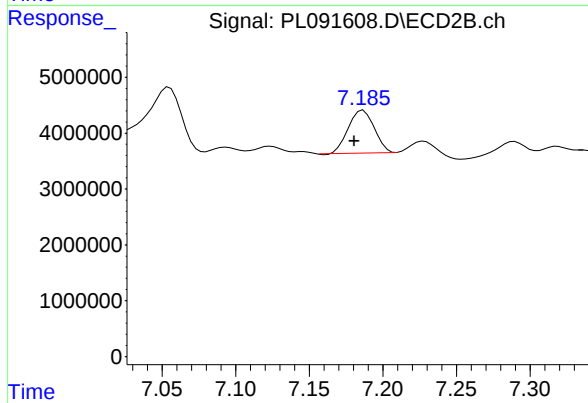
#5 Toxaphene-4

R.T.: 6.743 min
Delta R.T.: 0.005 min
Response: 30111145
Conc: 545.36 ng/ml



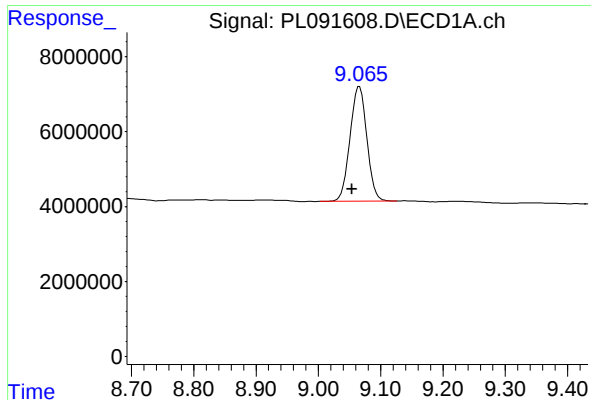
#6 Toxaphene-5

R.T.: 7.943 min
Delta R.T.: 0.009 min
Response: 13549319
Conc: 487.43 ng/ml



#6 Toxaphene-5

R.T.: 7.187 min
Delta R.T.: 0.006 min
Response: 9437925
Conc: 530.17 ng/ml



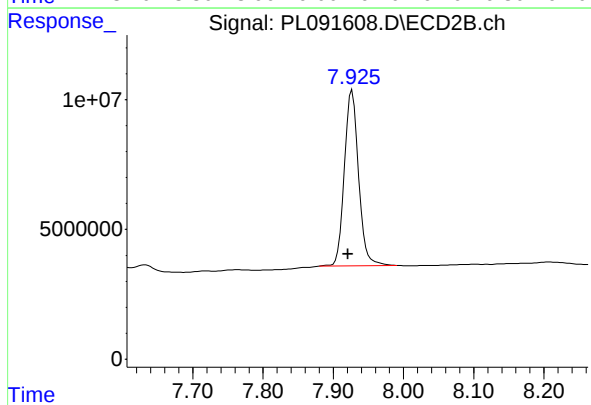
#7 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.012 min
Response: 57812781
Conc: 45.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



#7 Decachlorobiphenyl

R.T.: 7.927 min
Delta R.T.: 0.006 min
Response: 95054229
Conc: 50.56 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 17:54 Initial Calibration Time(s): 17:47 18:42

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
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)	7.06	7.06	6.96	7.16	0.00
Toxaphene-4	(4)	7.15	7.15	7.05	7.25	0.00
Toxaphene-5	(5)	7.94	7.93	7.83	8.03	-0.01
Decachlorobiphenyl		9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene		3.54	3.54	3.44	3.64	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/10/2024 Initial Calibration Date(s): 09/09/2024 09/09/2024

Continuing Calib Time: 17:54 Initial Calibration Time(s): 17:47 18:42

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Toxaphene-1 (1)	5.01	5.01	4.91	5.11	0.00
Toxaphene-2 (2)	5.34	5.34	5.24	5.44	0.00
Toxaphene-3 (3)	6.61	6.61	6.51	6.71	0.00
Toxaphene-4 (4)	6.74	6.74	6.64	6.84	0.00
Toxaphene-5 (5)	7.05	7.05	6.95	7.15	0.00
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/09/2024 09/09/2024

Client Sample No.: CCAL02 **Date Analyzed:** 09/10/2024

Lab Sample No.: PTOXCCC500 **Data File :** PL091626.D **Time Analyzed:** 17:54

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.057	8.954	9.154	49.360	50.000	-1.3
Tetrachloro-m-xylene	3.543	3.442	3.642	51.020	50.000	2.0
Toxaphene-1	6.239	6.138	6.338	561.870	500.000	12.4
Toxaphene-2	6.444	6.342	6.542	453.580	500.000	-9.3
Toxaphene-3	7.060	6.959	7.159	527.520	500.000	5.5
Toxaphene-4	7.152	7.050	7.250	511.460	500.000	2.3
Toxaphene-5	7.936	7.834	8.034	526.200	500.000	5.2



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/09/2024 09/09/2024

Client Sample No.: CCAL02 Date Analyzed: 09/10/2024

Lab Sample No.: PTOXCCC500 Data File : PL091626.D Time Analyzed: 17:54

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.921	7.821	8.021	50.660	50.000	1.3
Tetrachloro-m-xylene	2.780	2.682	2.882	48.970	50.000	-2.1
Toxaphene-1	5.011	4.910	5.110	452.230	500.000	-9.6
Toxaphene-2	5.336	5.236	5.436	576.710	500.000	15.3
Toxaphene-3	6.609	6.509	6.709	540.390	500.000	8.1
Toxaphene-4	6.738	6.638	6.838	550.730	500.000	10.1
Toxaphene-5	7.050	6.948	7.148	477.520	500.000	-4.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
 Data File : PL091626.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2024 17:54
 Operator : AR\AJ
 Sample : PTOXCCC500
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PTOXCCC500

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/12/2024
 Supervised By : Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 05:40:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
 Quant Title : GC Extractables
 QLast Update : Tue Sep 10 06:22:07 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.780	83267289	98992246	51.021	48.965
7) SA Decachlor...	9.057	7.921	62227633	95251728	49.356	50.664
Target Compounds						
2) Toxaphene-1	6.239	5.694	5387598	5499524	562.490m	564.217
3) Toxaphene-2	6.444	5.977	4044697	7720553	461.060	487.324
4) Toxaphene-3	7.060	6.609	24385332	22602248	527.523	540.385
5) Toxaphene-4	7.152	6.738	19873896	30407887	511.463	550.734
6) Toxaphene-5	7.936	7.181	14600670	10056101	525.256	564.893

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 17:54
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PTOXC500

Manual Integrations

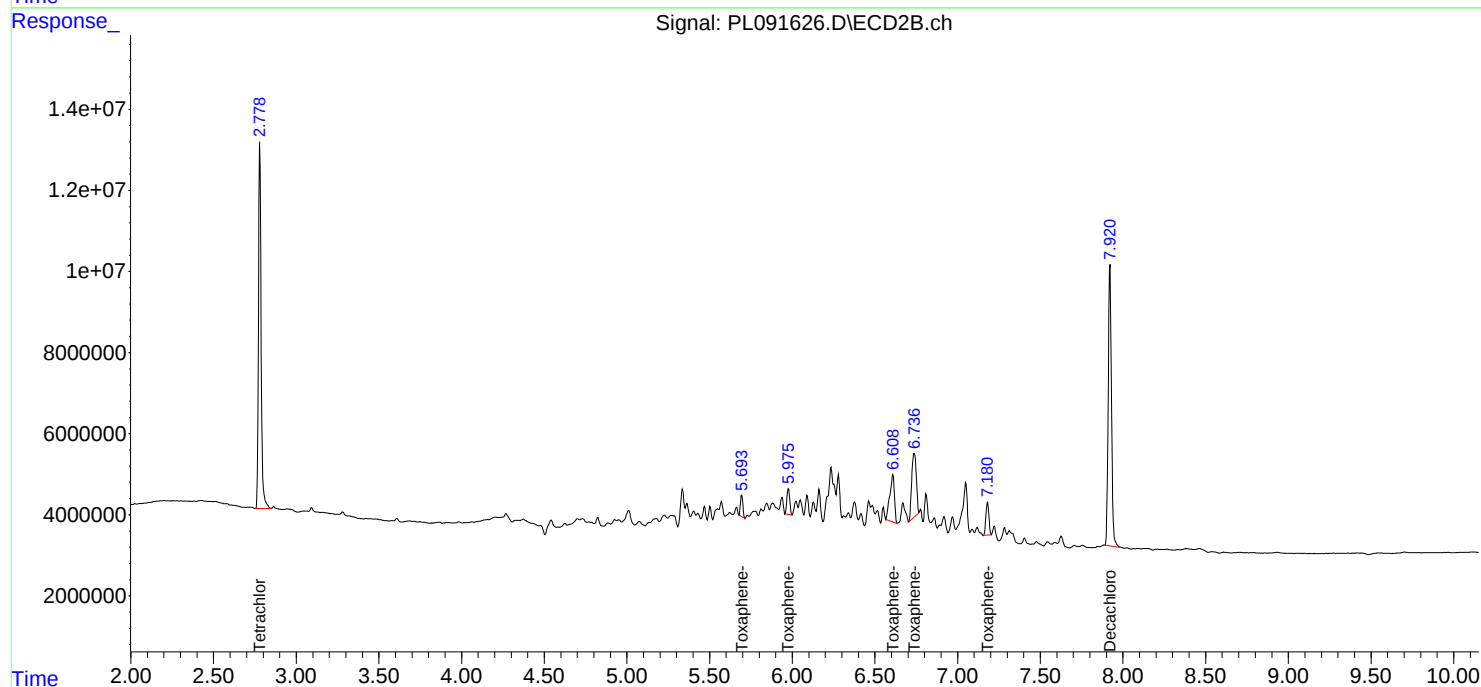
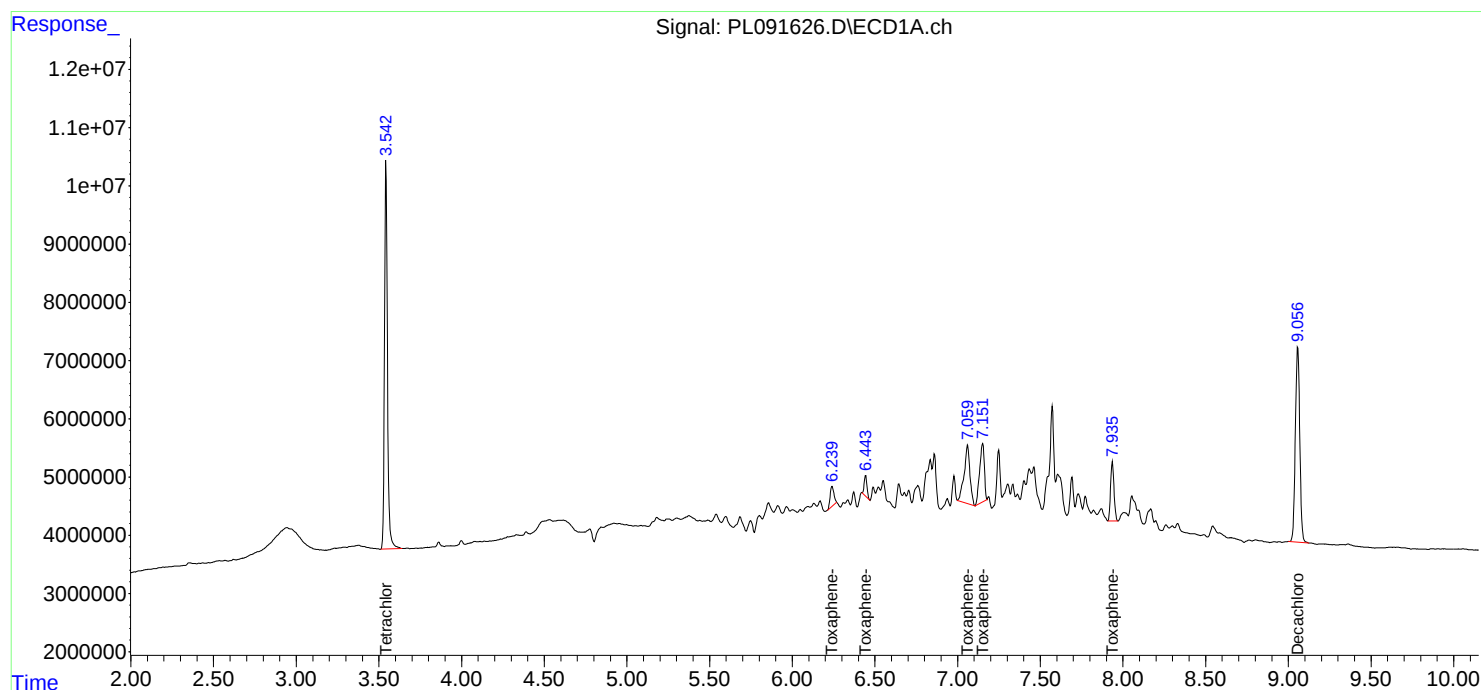
APPROVED

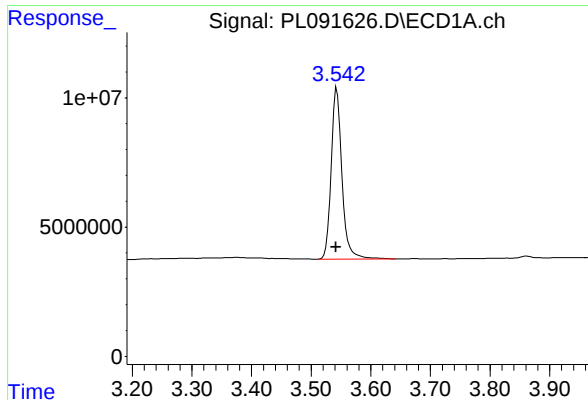
Reviewed By :Abdul Mirza 09/12/2024

Supervised By :Ankita Jodhani 09/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:40:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Tue Sep 10 06:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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





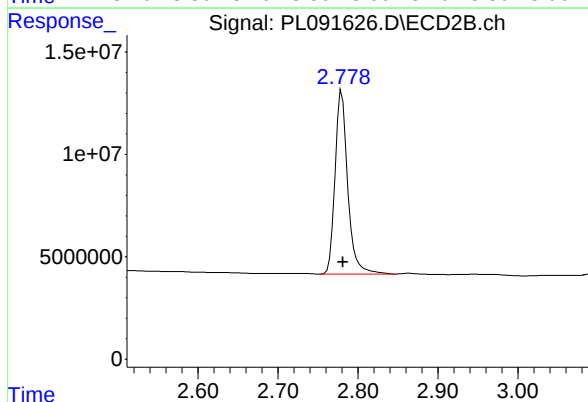
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.001 min
Response: 83267289
Conc: 51.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

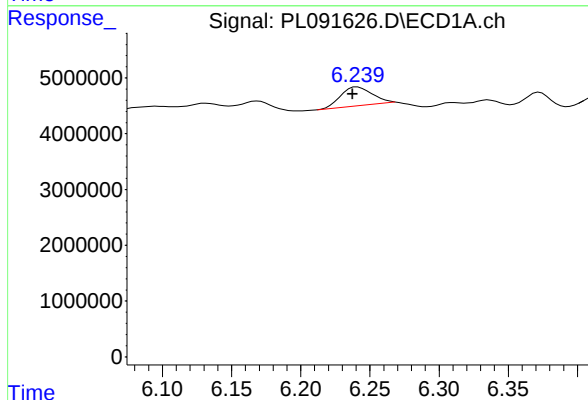
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



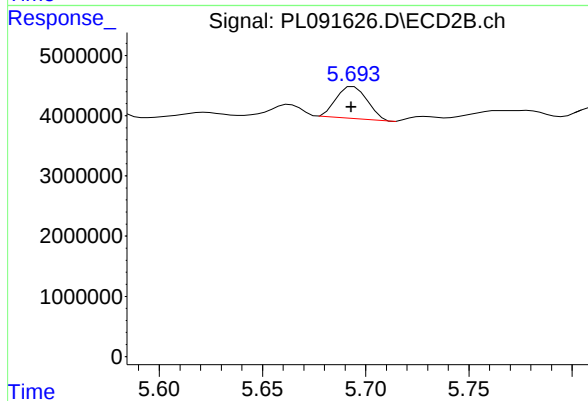
#1 Tetrachloro-m-xylene

R.T.: 2.780 min
Delta R.T.: -0.002 min
Response: 98992246
Conc: 48.97 ng/ml



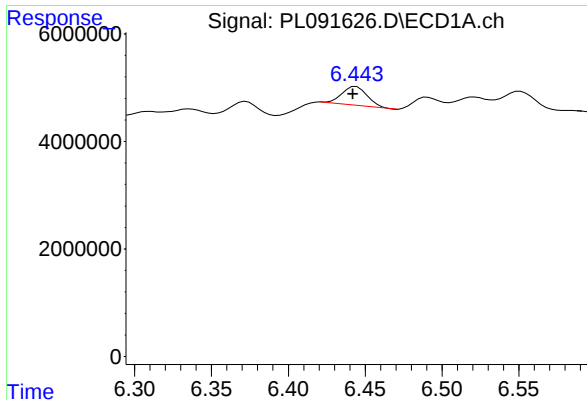
#2 Toxaphene-1

R.T.: 6.239 min
Delta R.T.: 0.002 min
Response: 5387598
Conc: 562.49 ng/ml m



#2 Toxaphene-1

R.T.: 5.694 min
Delta R.T.: 0.001 min
Response: 5499524
Conc: 564.22 ng/ml



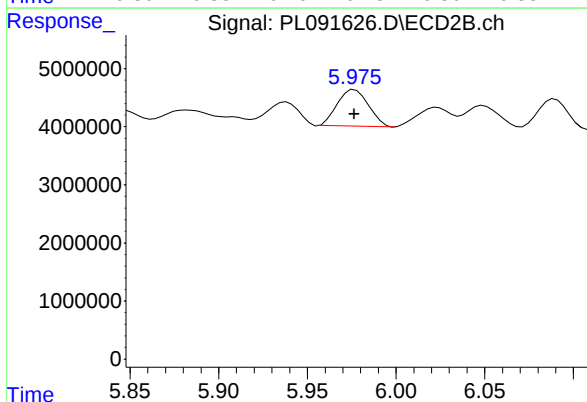
#3 Toxaphene-2

R.T.: 6.444 min
Delta R.T.: 0.002 min
Response: 4044697
Conc: 461.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

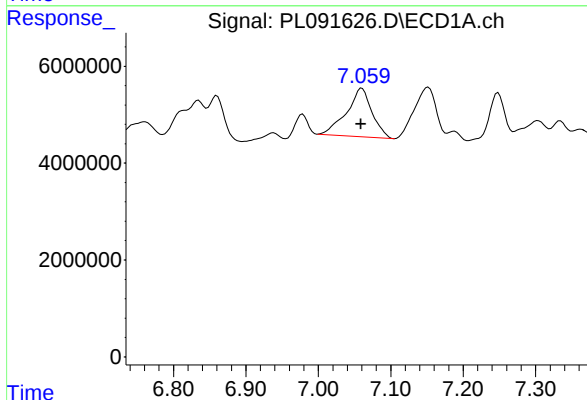
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



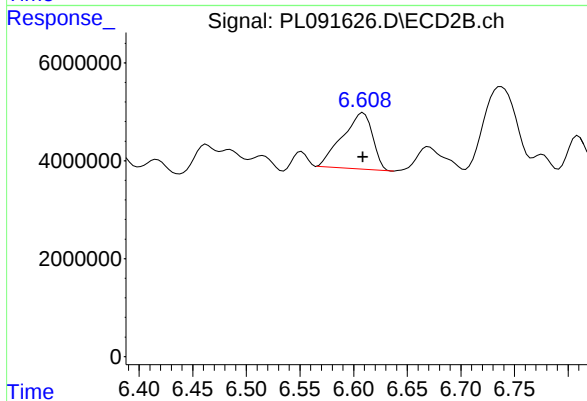
#3 Toxaphene-2

R.T.: 5.977 min
Delta R.T.: 0.000 min
Response: 7720553
Conc: 487.32 ng/ml



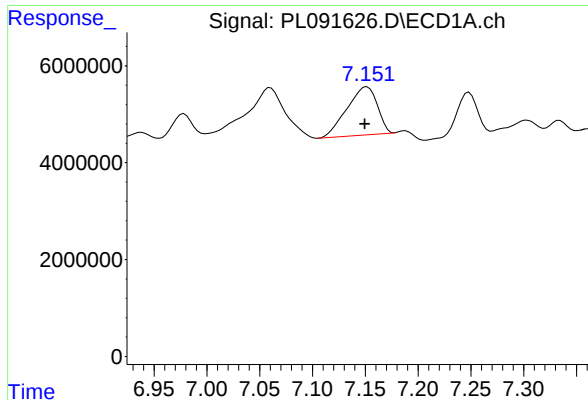
#4 Toxaphene-3

R.T.: 7.060 min
Delta R.T.: 0.002 min
Response: 24385332
Conc: 527.52 ng/ml



#4 Toxaphene-3

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 22602248
Conc: 540.39 ng/ml



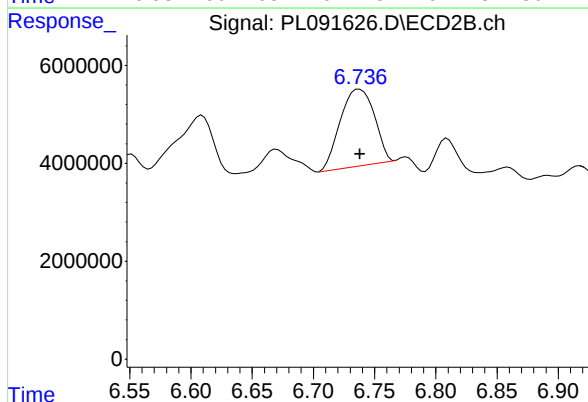
#5 Toxaphene-4

R.T.: 7.152 min
Delta R.T.: 0.002 min
Response: 19873896
Conc: 511.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

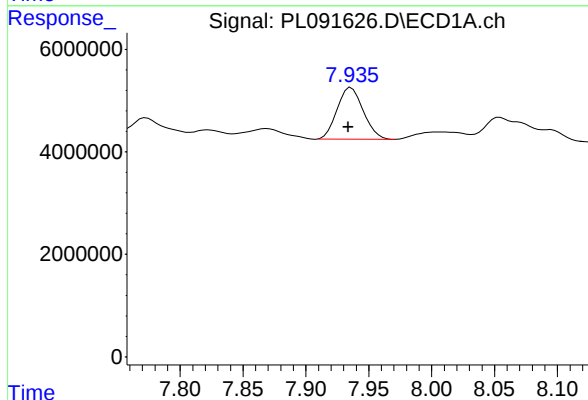
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



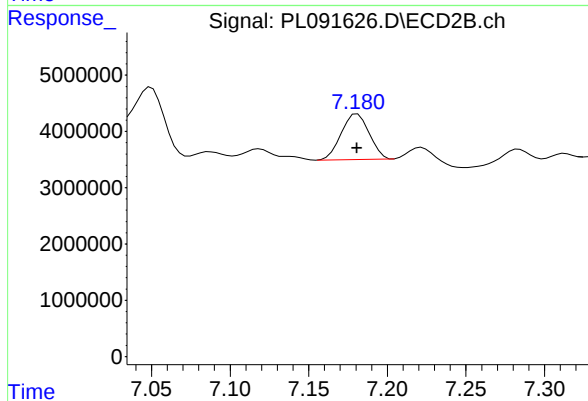
#5 Toxaphene-4

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 30407887
Conc: 550.73 ng/ml



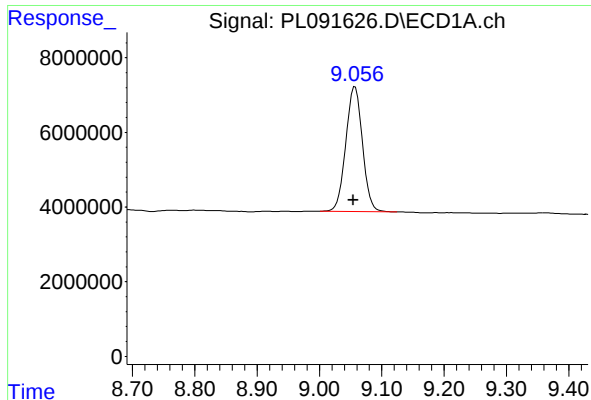
#6 Toxaphene-5

R.T.: 7.936 min
Delta R.T.: 0.002 min
Response: 14600670
Conc: 525.26 ng/ml



#6 Toxaphene-5

R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 10056101
Conc: 564.89 ng/ml



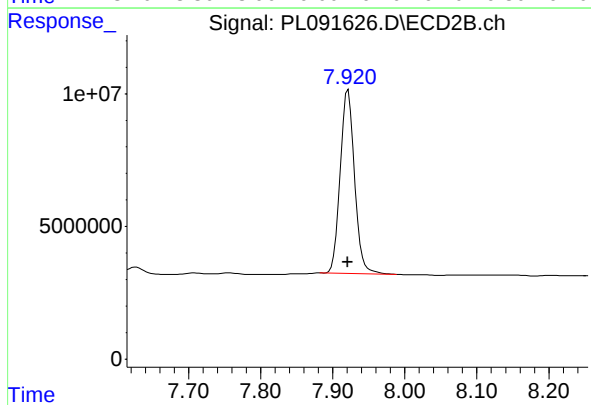
#7 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.003 min
Response: 62227633
Conc: 49.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2024
Supervised By :Ankita Jodhani 09/12/2024



#7 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.000 min
Response: 95251728
Conc: 50.66 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 12:16 Initial Calibration Time(s): 13:46 14:40

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Toxaphene-1	(1)	6.24	6.24	6.14	6.34	0.00
Toxaphene-2	(2)	6.45	6.45	6.35	6.55	0.00
Toxaphene-3	(3)	7.06	7.06	6.96	7.16	0.00
Toxaphene-4	(4)	7.16	7.15	7.05	7.25	-0.01
Toxaphene-5	(5)	7.94	7.94	7.84	8.04	0.00
Decachlorobiphenyl		9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene		3.55	3.54	3.44	3.64	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 12:16 Initial Calibration Time(s): 13:46 14:40

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Toxaphene-1 (1)	5.01	5.01	4.91	5.11	0.00
Toxaphene-2 (2)	5.34	5.34	5.24	5.44	0.00
Toxaphene-3 (3)	6.61	6.61	6.51	6.71	0.00
Toxaphene-4 (4)	6.74	6.74	6.64	6.84	0.00
Toxaphene-5 (5)	7.05	7.05	6.95	7.15	0.00
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL03 Date Analyzed: 09/24/2024

Lab Sample No.: PTOXCCC500 Data File : PL091995.D Time Analyzed: 12:16

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.961	9.161	48.700	50.000	-2.6
Tetrachloro-m-xylene	3.545	3.444	3.644	48.220	50.000	-3.6
Toxaphene-1	6.243	6.142	6.342	486.800	500.000	-2.6
Toxaphene-2	6.447	6.346	6.546	479.130	500.000	-4.2
Toxaphene-3	7.064	6.964	7.164	476.210	500.000	-4.8
Toxaphene-4	7.155	7.054	7.254	478.010	500.000	-4.4
Toxaphene-5	7.939	7.839	8.039	482.930	500.000	-3.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL03 Date Analyzed: 09/24/2024

Lab Sample No.: PTOXCCC500 Data File : PL091995.D Time Analyzed: 12:16

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.923	7.824	8.024	48.900	50.000	-2.2
Tetrachloro-m-xylene	2.782	2.683	2.883	48.910	50.000	-2.2
Toxaphene-1	5.012	4.913	5.113	500.090	500.000	0.0
Toxaphene-2	5.338	5.238	5.438	507.990	500.000	1.6
Toxaphene-3	6.611	6.512	6.712	500.740	500.000	0.1
Toxaphene-4	6.740	6.640	6.840	477.910	500.000	-4.4
Toxaphene-5	7.051	6.953	7.153	493.250	500.000	-1.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL091995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 12:16
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:13:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.545	2.782	109.0E6	126.9E6	48.223	48.908
7) SA Decachlor...	9.061	7.923	80213127	126.1E6	48.699	48.902
Target Compounds						
2) Toxaphene-1	6.243	5.012	11285984	9109686	486.797	500.086
3) Toxaphene-2	6.447	5.338	6916124	8880569	479.134	507.987
4) Toxaphene-3	7.064	6.611	34660838	30914069	476.211	500.744
5) Toxaphene-4	7.155	6.740	26392105	41989567	478.015	477.905
6) Toxaphene-5	7.939	7.051	19704201	29401411	482.932	493.254

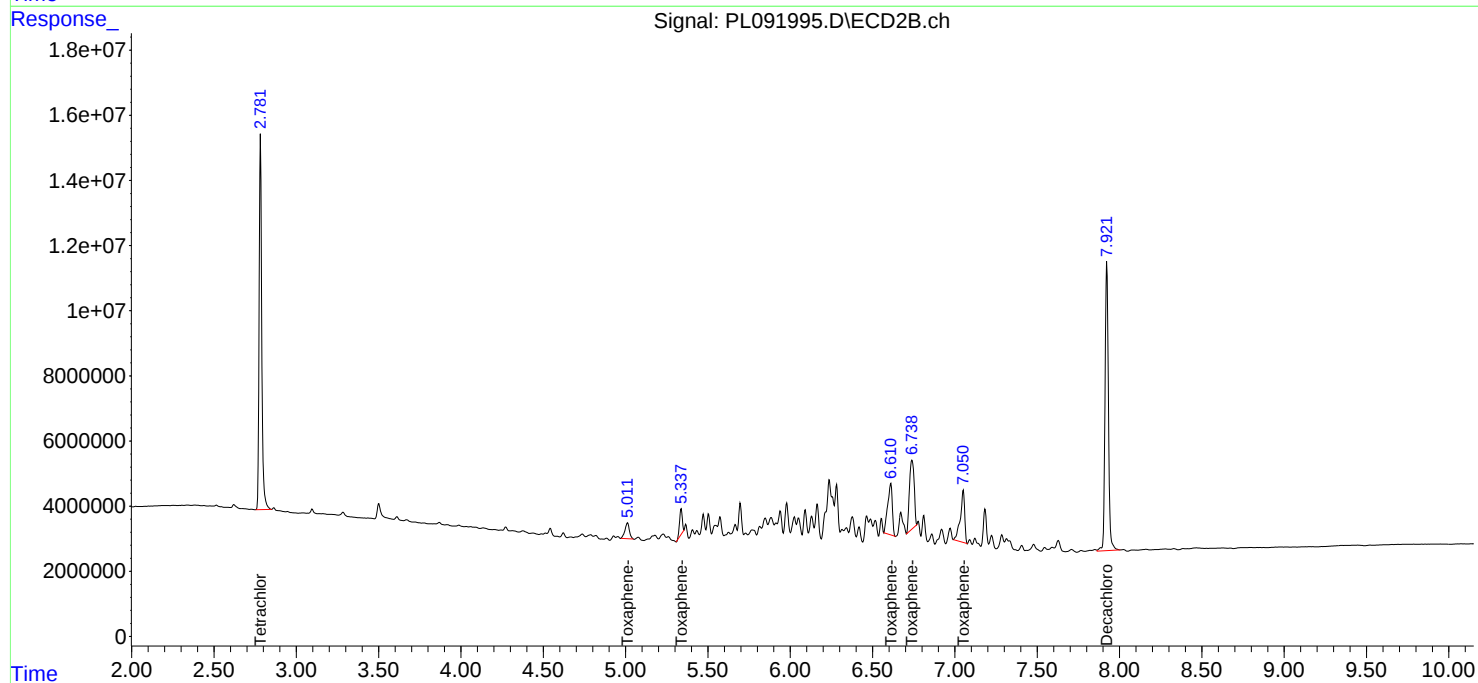
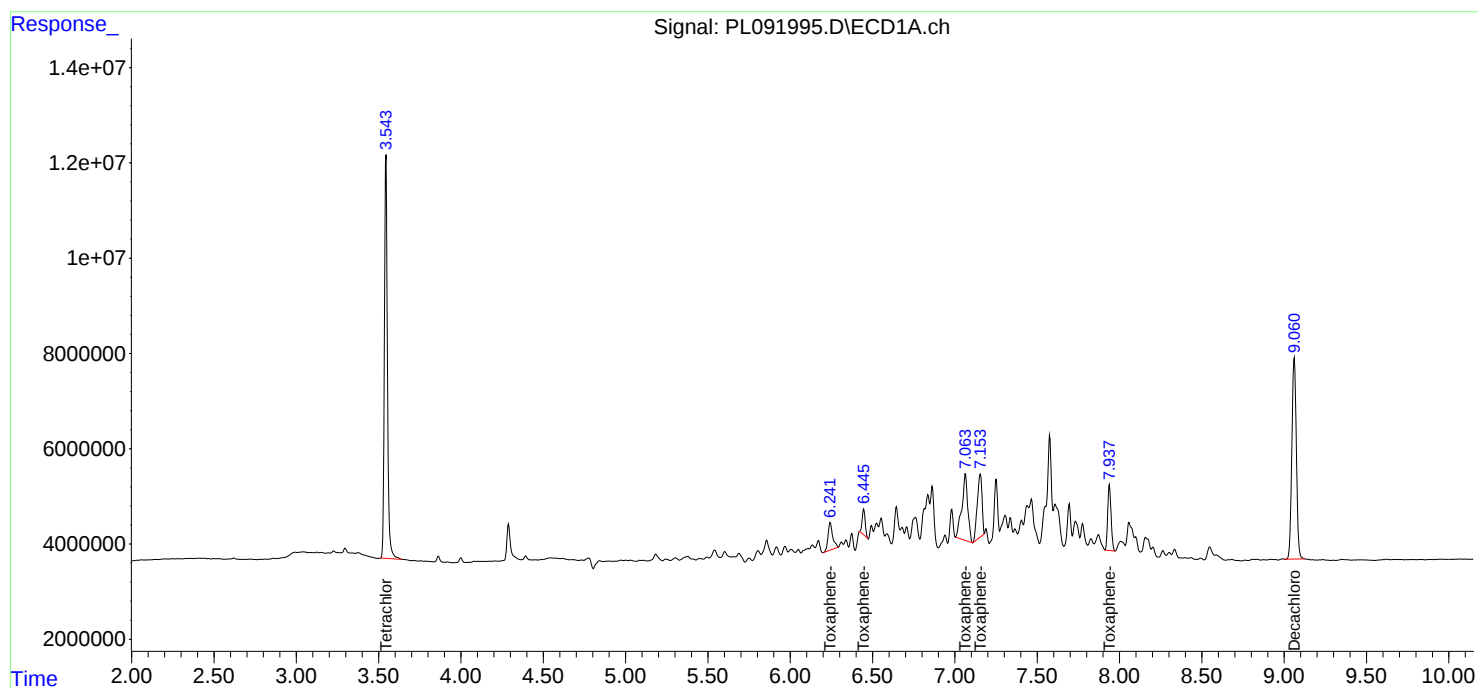
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL091995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 12:16
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

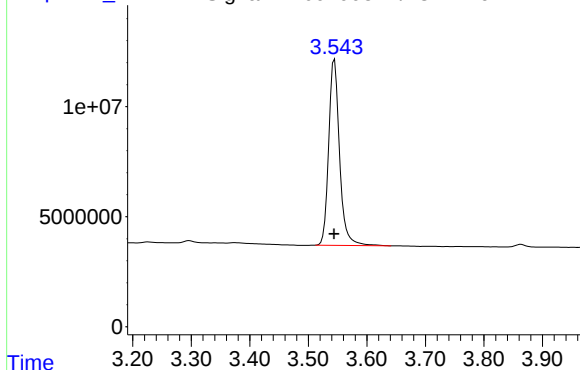
Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:13:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PL091995.D\ECD1A.ch

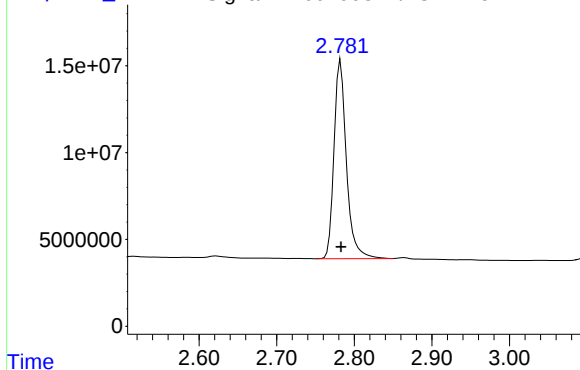


#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 109047372
Conc: 48.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

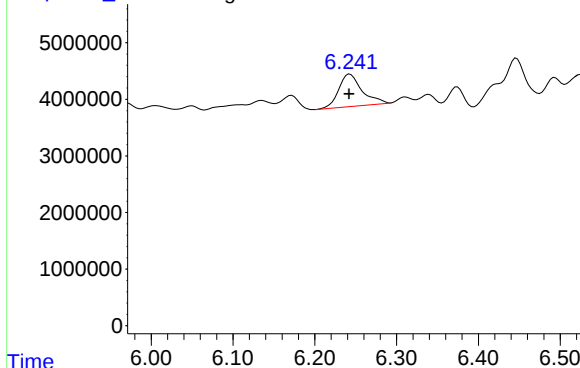
Response_ Signal: PL091995.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 126927735
Conc: 48.91 ng/ml

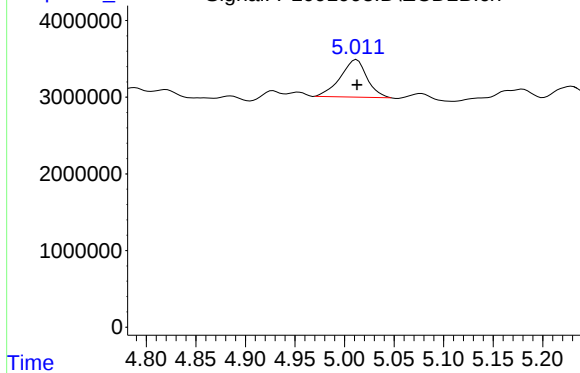
Response_ Signal: PL091995.D\ECD1A.ch



#2 Toxaphene-1

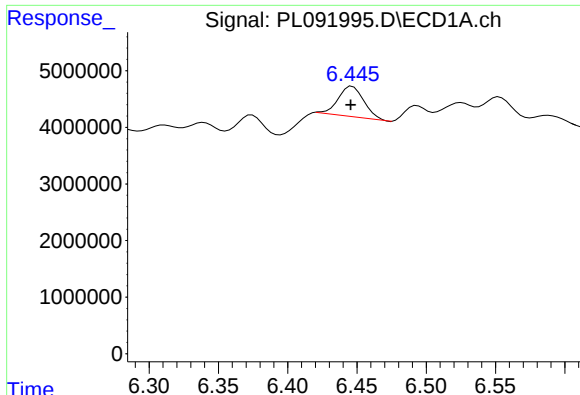
R.T.: 6.243 min
Delta R.T.: 0.001 min
Response: 11285984
Conc: 486.80 ng/ml

Response_ Signal: PL091995.D\ECD2B.ch



#2 Toxaphene-1

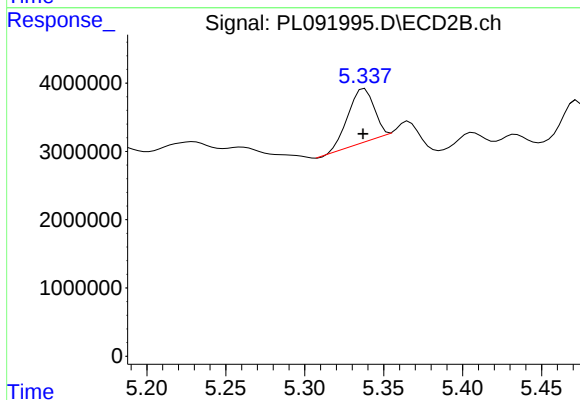
R.T.: 5.012 min
Delta R.T.: 0.000 min
Response: 9109686
Conc: 500.09 ng/ml



#3 Toxaphene-2

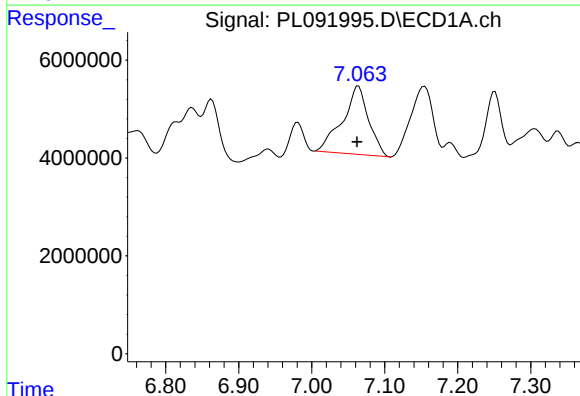
R.T.: 6.447 min
Delta R.T.: 0.001 min
Response: 6916124
Conc: 479.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500



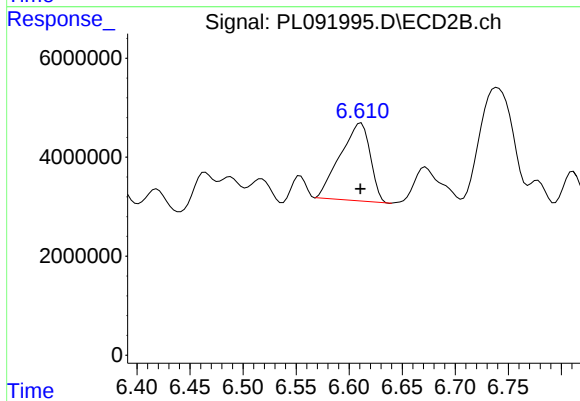
#3 Toxaphene-2

R.T.: 5.338 min
Delta R.T.: 0.000 min
Response: 8880569
Conc: 507.99 ng/ml



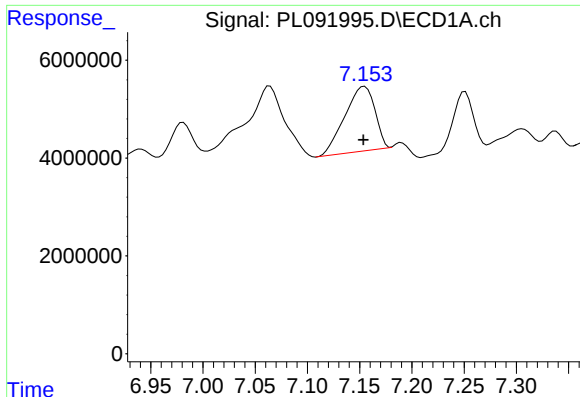
#4 Toxaphene-3

R.T.: 7.064 min
Delta R.T.: 0.002 min
Response: 34660838
Conc: 476.21 ng/ml



#4 Toxaphene-3

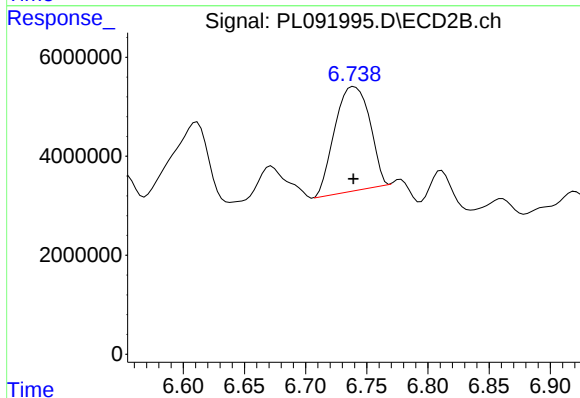
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 30914069
Conc: 500.74 ng/ml



#5 Toxaphene-4

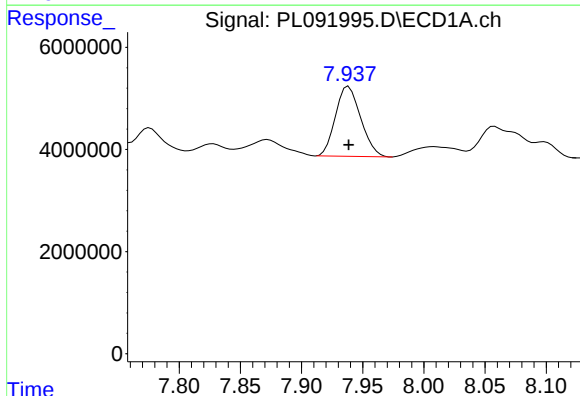
R.T.: 7.155 min
Delta R.T.: 0.001 min
Response: 26392105
Conc: 478.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500



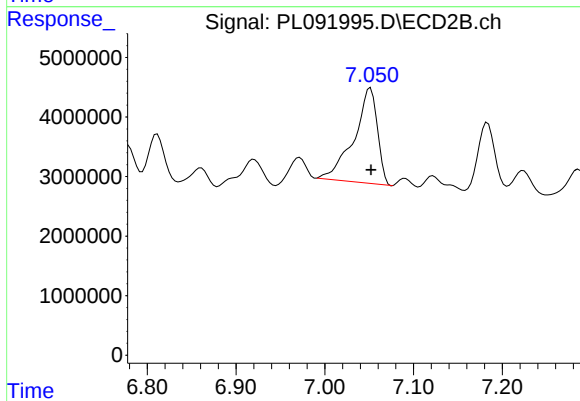
#5 Toxaphene-4

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 41989567
Conc: 477.91 ng/ml



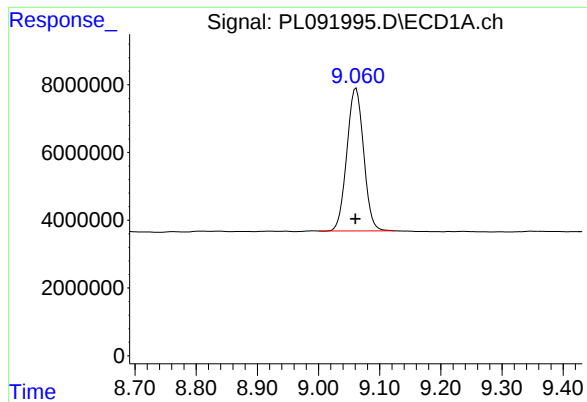
#6 Toxaphene-5

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 19704201
Conc: 482.93 ng/ml



#6 Toxaphene-5

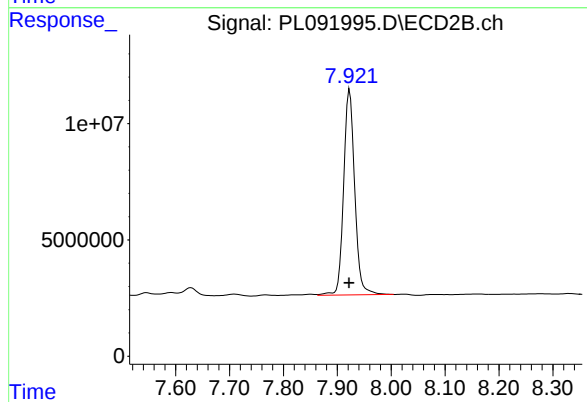
R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 29401411
Conc: 493.25 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.001 min
Response: 80213127
Conc: 48.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500



#7 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.001 min
Response: 126102092
Conc: 48.90 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 14:48 Initial Calibration Time(s): 13:46 14:40

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Toxaphene-1	(1)	6.24	6.24	6.14	6.34	0.00
Toxaphene-2	(2)	6.45	6.45	6.35	6.55	0.00
Toxaphene-3	(3)	7.06	7.06	6.96	7.16	0.00
Toxaphene-4	(4)	7.15	7.15	7.05	7.25	0.00
Toxaphene-5	(5)	7.94	7.94	7.84	8.04	0.00
Decachlorobiphenyl		9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene		3.54	3.54	3.44	3.64	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Continuing Calib Date: 09/24/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 14:48 Initial Calibration Time(s): 13:46 14:40

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Toxaphene-1 (1)	5.01	5.01	4.91	5.11	0.00
Toxaphene-2 (2)	5.34	5.34	5.24	5.44	0.00
Toxaphene-3 (3)	6.61	6.61	6.51	6.71	0.00
Toxaphene-4 (4)	6.74	6.74	6.64	6.84	0.00
Toxaphene-5 (5)	7.05	7.05	6.95	7.15	0.00
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P3845 **SAS No.:** P3845 **SDG NO.:** P3845

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL04 **Date Analyzed:** 09/24/2024

Lab Sample No.: PTOXCCC500 **Data File :** PL092005.D **Time Analyzed:** 14:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.059	8.961	9.161	49.410	50.000	-1.2
Tetrachloro-m-xylene	3.543	3.444	3.644	48.260	50.000	-3.5
Toxaphene-1	6.241	6.142	6.342	497.690	500.000	-0.5
Toxaphene-2	6.445	6.346	6.546	453.660	500.000	-9.3
Toxaphene-3	7.062	6.964	7.164	475.600	500.000	-4.9
Toxaphene-4	7.153	7.054	7.254	478.240	500.000	-4.4
Toxaphene-5	7.938	7.839	8.039	486.760	500.000	-2.6



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL04 Date Analyzed: 09/24/2024

Lab Sample No.: PTOXCCC500 Data File : PL092005.D Time Analyzed: 14:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.922	7.824	8.024	49.160	50.000	-1.7
Tetrachloro-m-xylene	2.782	2.683	2.883	48.980	50.000	-2.0
Toxaphene-1	5.012	4.913	5.113	524.570	500.000	4.9
Toxaphene-2	5.337	5.238	5.438	526.790	500.000	5.4
Toxaphene-3	6.611	6.512	6.712	501.780	500.000	0.4
Toxaphene-4	6.738	6.640	6.840	485.120	500.000	-3.0
Toxaphene-5	7.051	6.953	7.153	484.370	500.000	-3.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL092005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 14:48
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 09:04:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.782	109.1E6	127.1E6	48.257	48.982
7) SA Decachlor...	9.059	7.922	81386299	126.8E6	49.411	49.164
Target Compounds						
2) Toxaphene-1	6.241	5.012	11538442	9555773	497.686	524.574
3) Toxaphene-2	6.445	5.337	6548357	9209261	453.656	526.789
4) Toxaphene-3	7.062	6.611	34616117	30977926	475.597	501.778
5) Toxaphene-4	7.153	6.738	26404749	42623480	478.244	485.120
6) Toxaphene-5	7.938	7.051	19860343	28871946	486.759	484.372

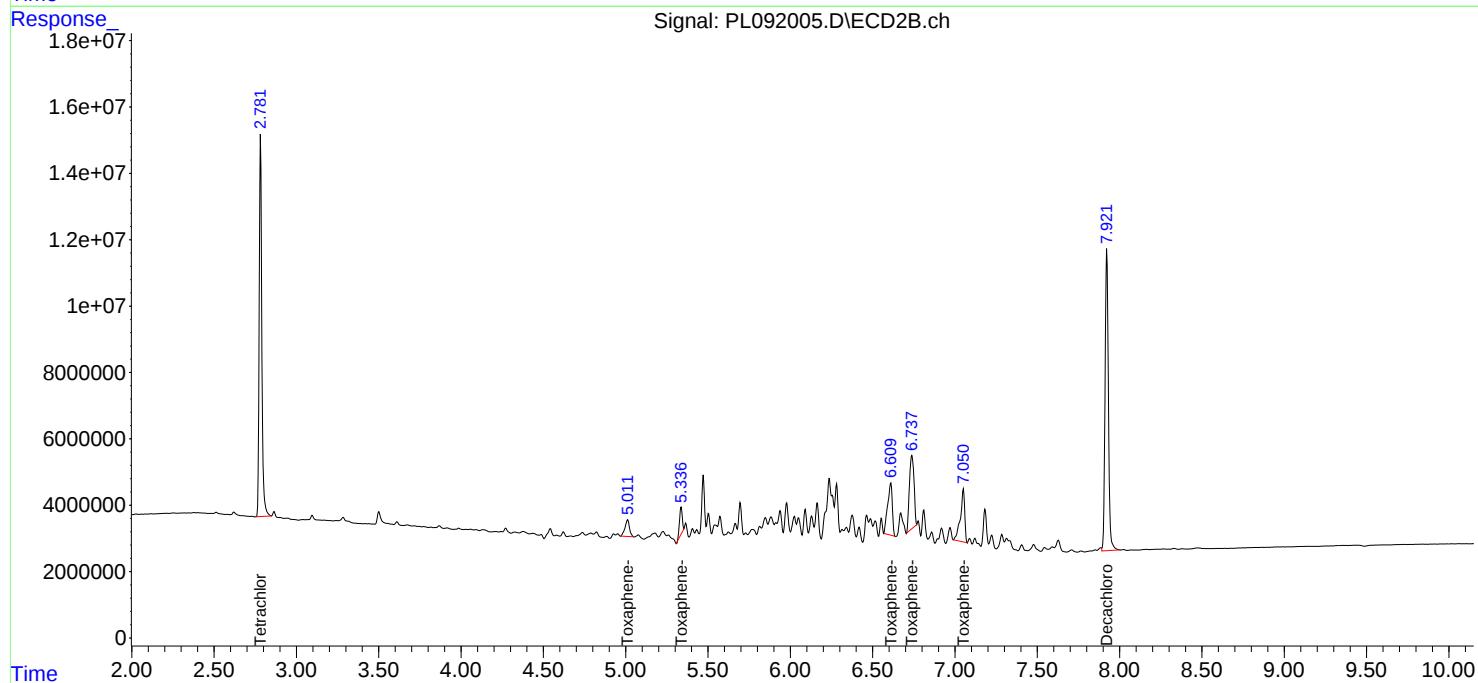
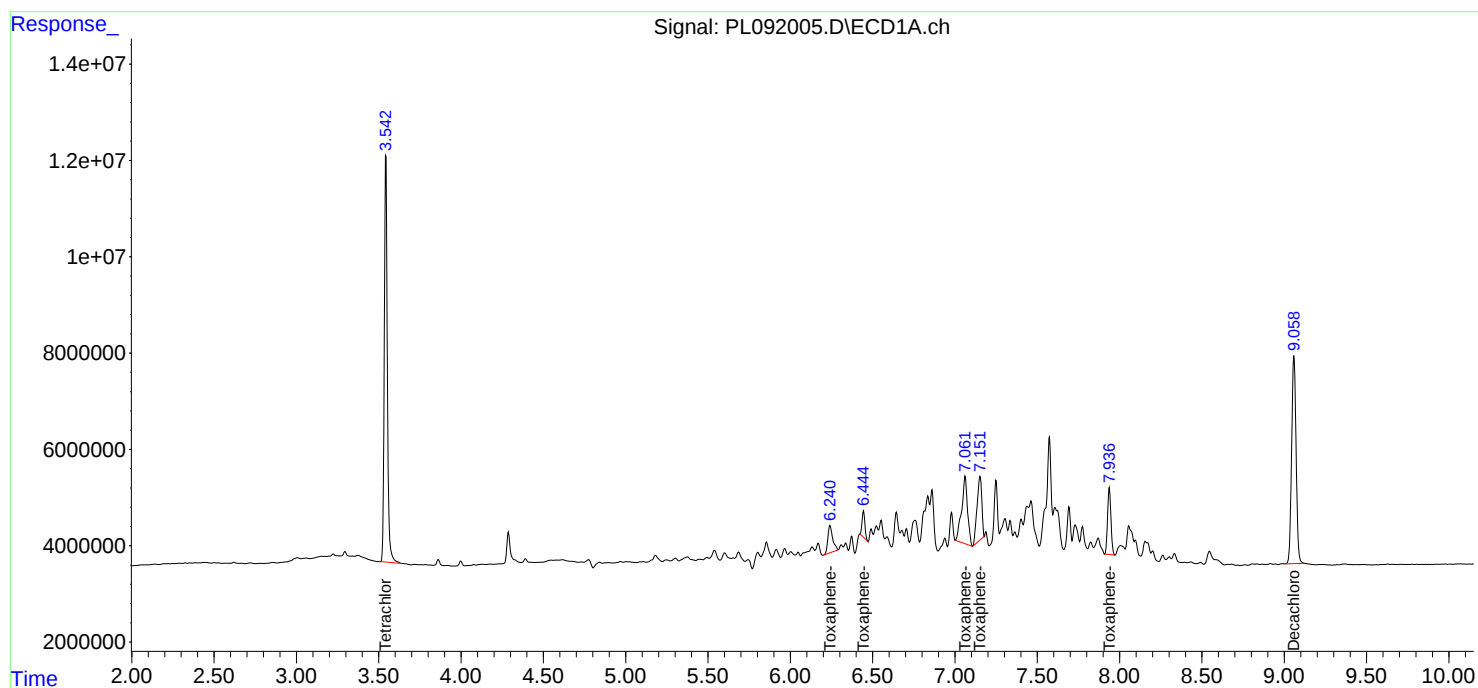
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL092005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 14:48
Operator : AR\AJ
Sample : PTOXCCC500
Misc :
ALS Vial : 6 Sample Multiplier: 1

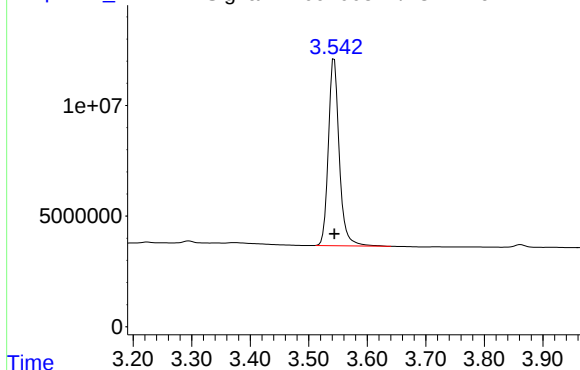
Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 09:04:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:51:37 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL092005.D\ECD1A.ch

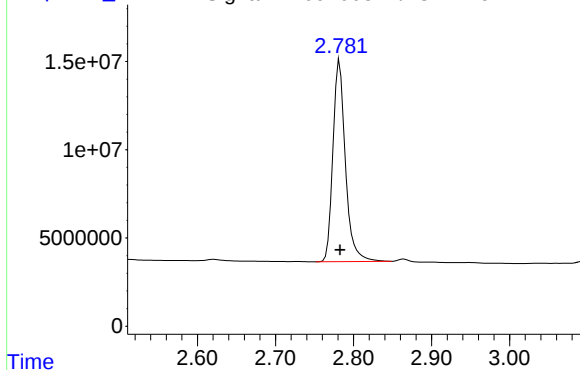


#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 109124220
Conc: 48.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

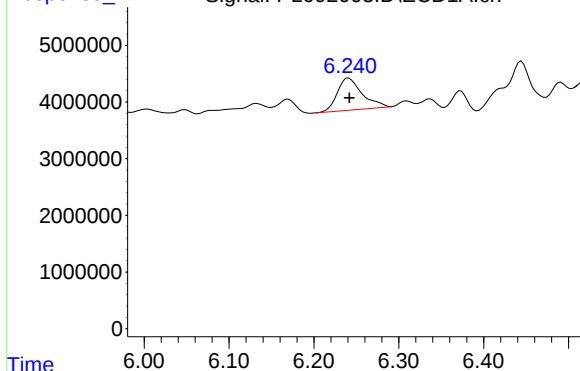
Response_ Signal: PL092005.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 127121573
Conc: 48.98 ng/ml

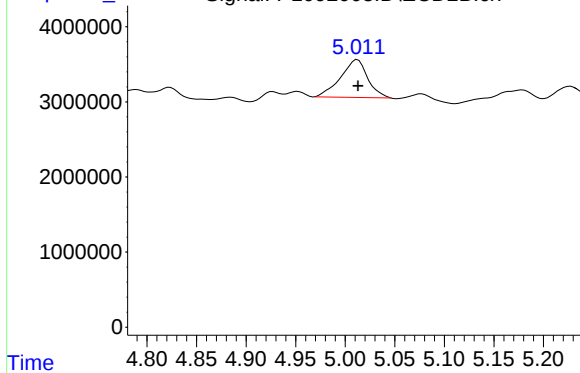
Response_ Signal: PL092005.D\ECD1A.ch



#2 Toxaphene-1

R.T.: 6.241 min
Delta R.T.: 0.000 min
Response: 11538442
Conc: 497.69 ng/ml

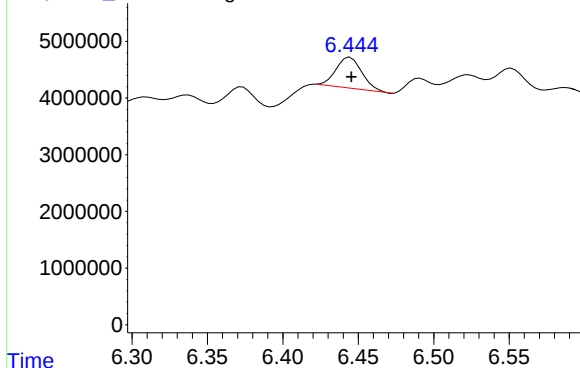
Response_ Signal: PL092005.D\ECD2B.ch



#2 Toxaphene-1

R.T.: 5.012 min
Delta R.T.: 0.000 min
Response: 9555773
Conc: 524.57 ng/ml

Response_ Signal: PL092005.D\ECD1A.ch

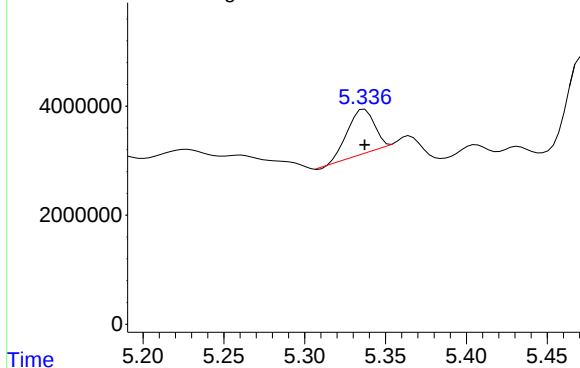


#3 Toxaphene-2

R.T.: 6.445 min
Delta R.T.: 0.000 min
Response: 6548357
Conc: 453.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500

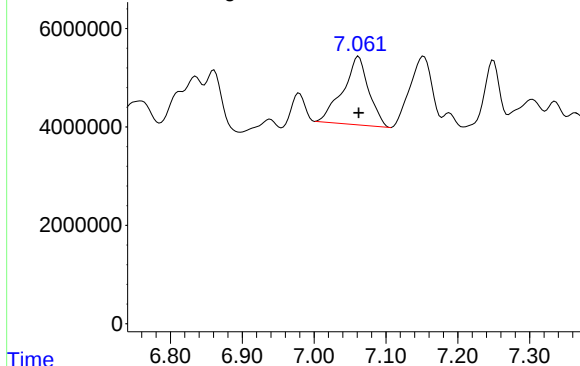
Response_ Signal: PL092005.D\ECD2B.ch



#3 Toxaphene-2

R.T.: 5.337 min
Delta R.T.: 0.000 min
Response: 9209261
Conc: 526.79 ng/ml

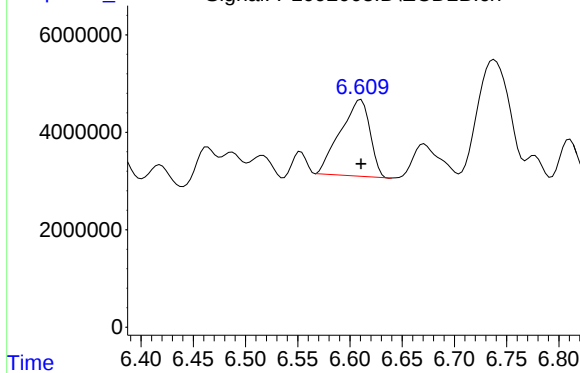
Response_ Signal: PL092005.D\ECD1A.ch



#4 Toxaphene-3

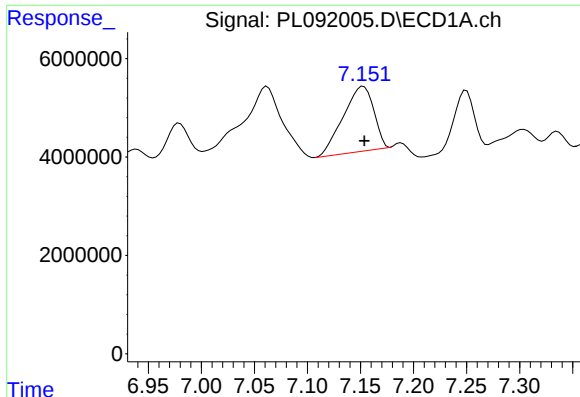
R.T.: 7.062 min
Delta R.T.: 0.000 min
Response: 34616117
Conc: 475.60 ng/ml

Response_ Signal: PL092005.D\ECD2B.ch



#4 Toxaphene-3

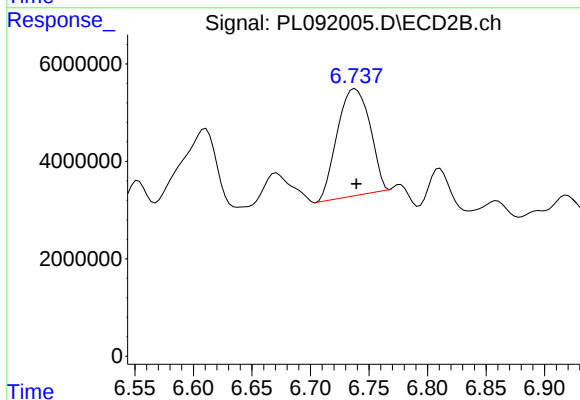
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 30977926
Conc: 501.78 ng/ml



#5 Toxaphene-4

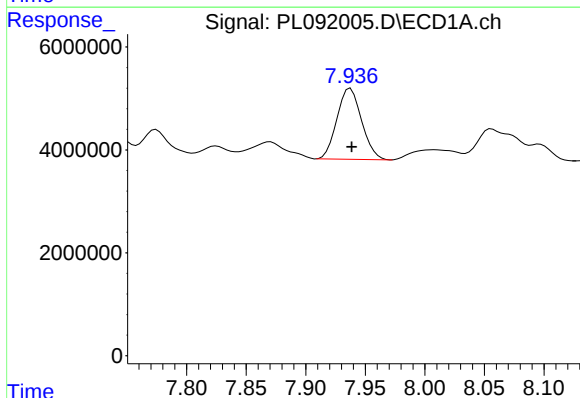
R.T.: 7.153 min
Delta R.T.: 0.000 min
Response: 26404749
Conc: 478.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500



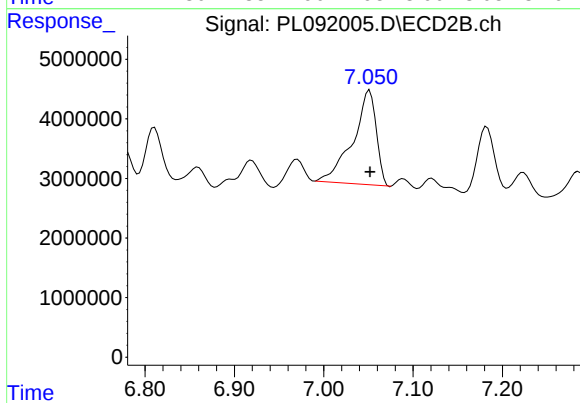
#5 Toxaphene-4

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 42623480
Conc: 485.12 ng/ml



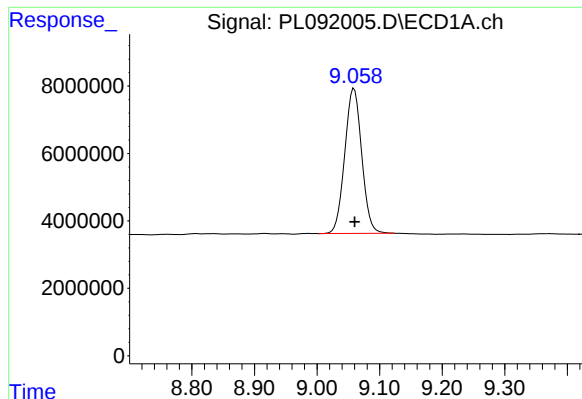
#6 Toxaphene-5

R.T.: 7.938 min
Delta R.T.: -0.001 min
Response: 19860343
Conc: 486.76 ng/ml



#6 Toxaphene-5

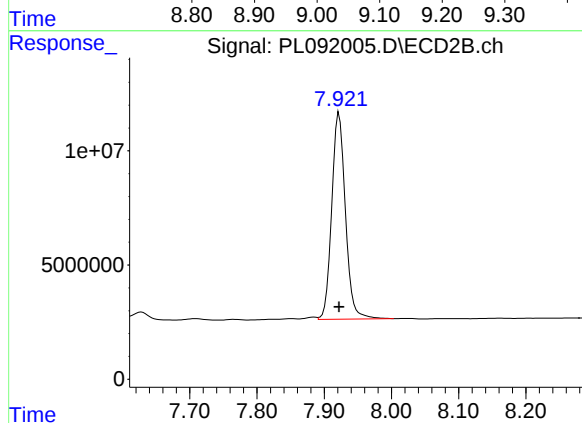
R.T.: 7.051 min
Delta R.T.: 0.000 min
Response: 28871946
Conc: 484.37 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.000 min
Response: 81386299
Conc: 49.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXCCC500



#7 Decachlorobiphenyl

R.T.: 7.922 min
Delta R.T.: 0.000 min
Response: 126776996
Conc: 49.16 ng/ml

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P3845

Project: NJ Waste Water PT

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/09/2024

09/09/2024

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 #
IBLK	IBLK	09/09/2024	14:50	PL091568.D	9.06	3.54
PTOXICC1000	PTOXICC1000	09/09/2024	17:47	PL091581.D	9.05	3.54
PTOXICC750	PTOXICC750	09/09/2024	18:01	PL091582.D	9.05	3.54
PTOXICC500	PTOXICC500	09/09/2024	18:14	PL091583.D	9.05	3.54
PTOXICC250	PTOXICC250	09/09/2024	18:28	PL091584.D	9.05	3.54
PTOXICC100	PTOXICC100	09/09/2024	18:42	PL091585.D	9.05	3.54
IBLK	IBLK	09/10/2024	10:57	PL091604.D	9.06	3.54
PTOXCCC500	PTOXCCC500	09/10/2024	12:12	PL091608.D	9.07	3.55
PB163231BL	PB163231BL	09/10/2024	15:29	PL091618.D	9.06	3.54
PB163231BS	PB163231BS	09/10/2024	15:43	PL091619.D	9.06	3.54
IBLK	IBLK	09/10/2024	16:56	PL091623.D	9.06	3.54
PTOXCCC500	PTOXCCC500	09/10/2024	17:54	PL091626.D	9.06	3.54
IBLK	IBLK	09/23/2024	10:52	PL091953.D	9.06	3.54
PTOXICC1000	PTOXICC1000	09/23/2024	13:46	PL091966.D	9.06	3.54
PTOXICC750	PTOXICC750	09/23/2024	13:59	PL091967.D	9.06	3.54
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	9.06	3.54
PTOXICC250	PTOXICC250	09/23/2024	14:26	PL091969.D	9.06	3.54
PTOXICC100	PTOXICC100	09/23/2024	14:40	PL091970.D	9.06	3.54
IBLK	IBLK	09/24/2024	09:28	PL091991.D	9.06	3.55
PTOXCCC500	PTOXCCC500	09/24/2024	12:16	PL091995.D	9.06	3.55
PT-TXP-WP	P3845-13	09/24/2024	13:02	PL091998.D	9.06	3.54
PT-TXP-WPDL	P3845-13DL	09/24/2024	13:54	PL092001.D	9.07	3.55
IBLK	IBLK	09/24/2024	14:08	PL092002.D	9.06	3.54
PTOXCCC500	PTOXCCC500	09/24/2024	14:48	PL092005.D	9.06	3.54

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P3845

Project: NJ Waste Water PT

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/09/2024

09/09/2024

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 #
IBLK	IBLK	09/09/2024	14:50	PL091568.D	7.92	2.78
PTOXICC1000	PTOXICC1000	09/09/2024	17:47	PL091581.D	7.92	2.78
PTOXICC750	PTOXICC750	09/09/2024	18:01	PL091582.D	7.92	2.78
PTOXICC500	PTOXICC500	09/09/2024	18:14	PL091583.D	7.92	2.78
PTOXICC250	PTOXICC250	09/09/2024	18:28	PL091584.D	7.92	2.78
PTOXICC100	PTOXICC100	09/09/2024	18:42	PL091585.D	7.92	2.78
IBLK	IBLK	09/10/2024	10:57	PL091604.D	7.92	2.78
PTOXCCC500	PTOXCCC500	09/10/2024	12:12	PL091608.D	7.93	2.78
PB163231BL	PB163231BL	09/10/2024	15:29	PL091618.D	7.93	2.78
PB163231BS	PB163231BS	09/10/2024	15:43	PL091619.D	7.93	2.78
IBLK	IBLK	09/10/2024	16:56	PL091623.D	7.92	2.78
PTOXCCC500	PTOXCCC500	09/10/2024	17:54	PL091626.D	7.92	2.78
IBLK	IBLK	09/23/2024	10:52	PL091953.D	7.92	2.78
PTOXICC1000	PTOXICC1000	09/23/2024	13:46	PL091966.D	7.92	2.78
PTOXICC750	PTOXICC750	09/23/2024	13:59	PL091967.D	7.92	2.78
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	7.92	2.78
PTOXICC250	PTOXICC250	09/23/2024	14:26	PL091969.D	7.92	2.78
PTOXICC100	PTOXICC100	09/23/2024	14:40	PL091970.D	7.92	2.78
IBLK	IBLK	09/24/2024	09:28	PL091991.D	7.92	2.78
PTOXCCC500	PTOXCCC500	09/24/2024	12:16	PL091995.D	7.92	2.78
PT-TXP-WP	P3845-13	09/24/2024	13:02	PL091998.D	7.92	2.78
PT-TXP-WPDL	P3845-13DL	09/24/2024	13:54	PL092001.D	7.92	2.78
IBLK	IBLK	09/24/2024	14:08	PL092002.D	7.92	2.78
PTOXCCC500	PTOXCCC500	09/24/2024	14:48	PL092005.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163231BS

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: PB163231BS Date(s) Analyzed: 09/10/2024 09/10/2024

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Toxaphene	1	6.97	6.92	7.02	2.00	0
	2	6.15	6.10	6.20	2.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-TXP-WP

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-13 Date(s) Analyzed: 09/24/2024 09/24/2024

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Toxaphene	1	6.97	6.92	7.02	48.2	16.4
	2	6.15	6.10	6.20	56.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-TXP-WPDL

Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG NO.: P3845

Lab Sample ID: P3845-13DL Date(s) Analyzed: 09/24/2024 09/24/2024

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Toxaphene	1	6.98	6.93	7.03	49.3	5.5
	2	6.15	6.10	6.20	52.1	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163231BL	SDG No.:	P3845
Lab Sample ID:	PB163231BL	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL091618.D	1	09/09/24 10:15	09/10/24 15:29	PB163231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.2		43 - 140	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		77 - 126	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_L\Data\PL091024\
Data File : PL091618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 15:29
Operator : AR\AJ
Sample : PB163231BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB163231BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:35:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.781	35246860	39818018	22.615	21.290
28) SA Decachlor...	9.061	7.926	28208415	41836621	23.211	22.657

Target Compounds

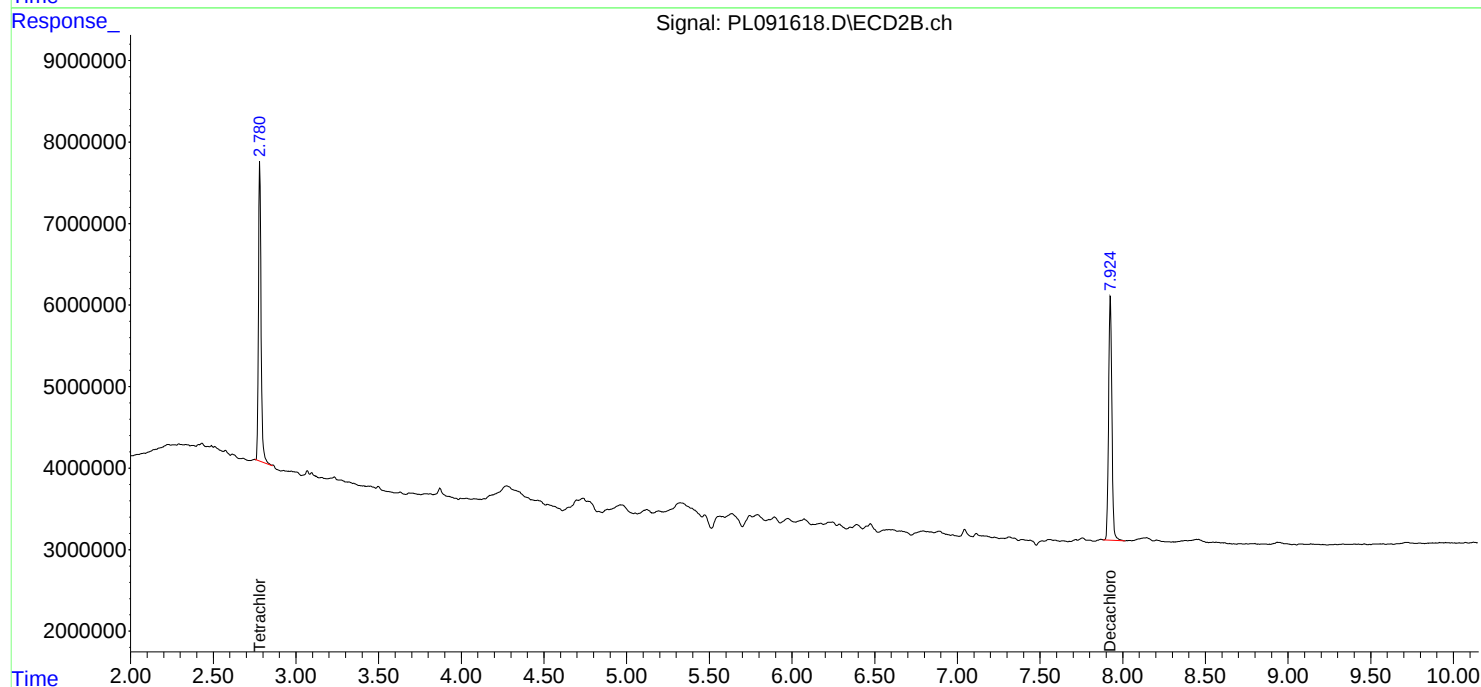
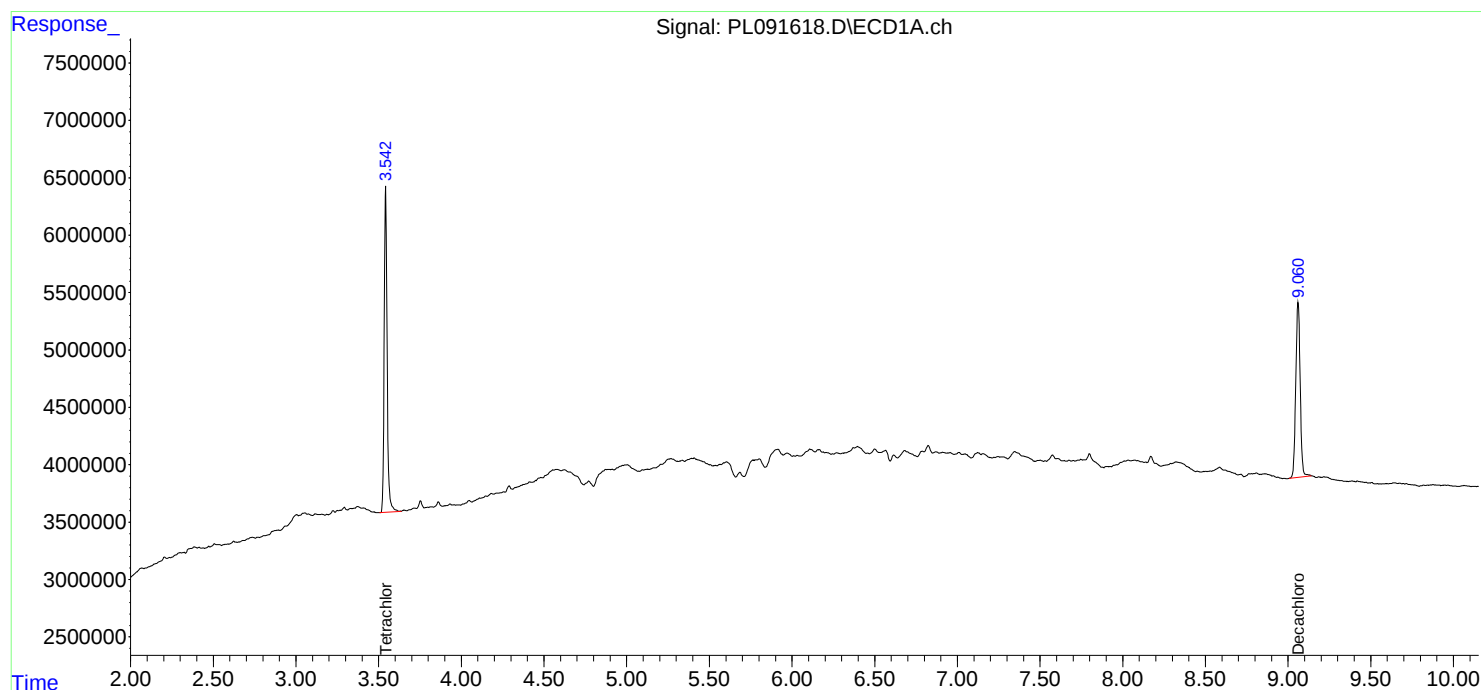
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

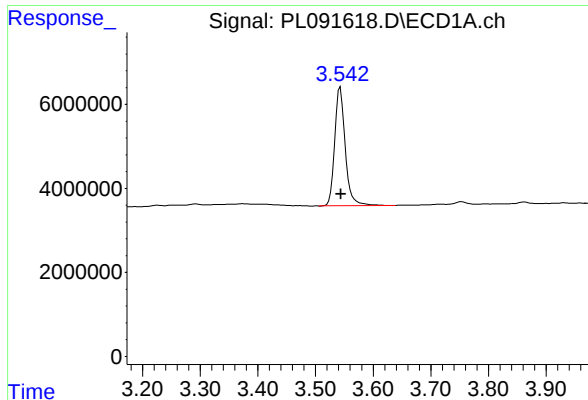
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 15:29
Operator : AR\AJ
Sample : PB163231BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB163231BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:35:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

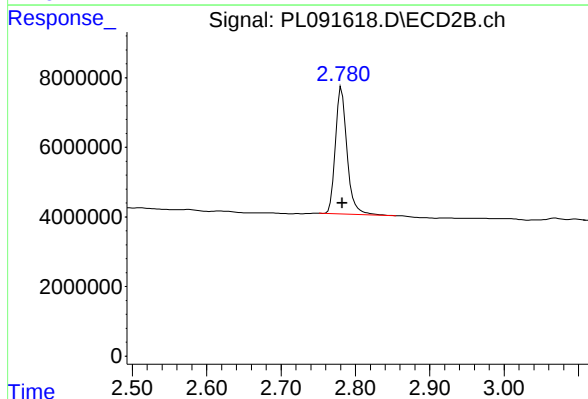




#1 Tetrachloro-m-xylene

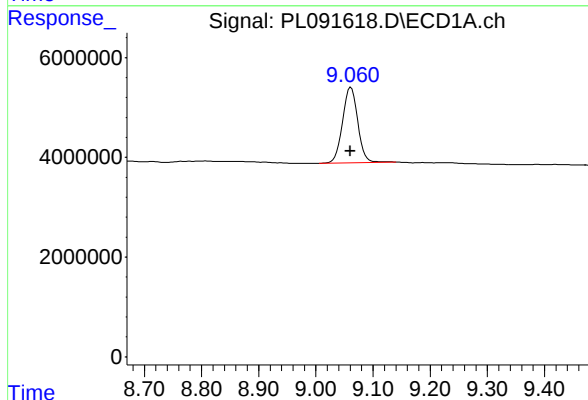
R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 35246860
Conc: 22.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163231BL



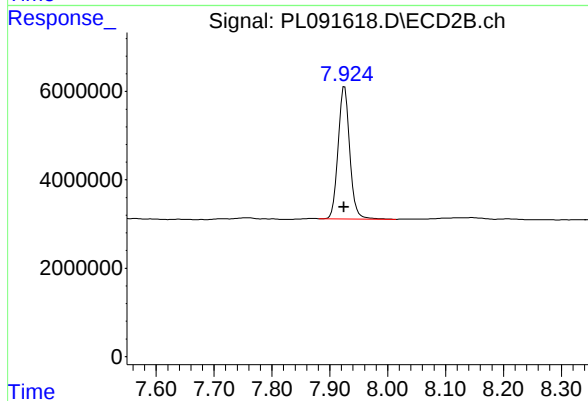
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: -0.001 min
Response: 39818018
Conc: 21.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 28208415
Conc: 23.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.926 min
Delta R.T.: 0.001 min
Response: 41836621
Conc: 22.66 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	09/09/24	
Project:	NJ Waste Water PT			Date Received:	09/09/24	
Client Sample ID:	PIBLK-PL091568.D			SDG No.:	P3845	
Lab Sample ID:	I.BLK-PL091568.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE 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
PL091568.D	1		09/09/24	PL090924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.7		43 - 140	133%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.3		77 - 126	121%	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 OC 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_L\Data\PL090924\
Data File : PL091568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 14:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 18:05:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:50:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.783	37715852	45438208	24.199	24.295
28) SA Decachlor...	9.060	7.924	32431838	48319649	26.686	26.168

Target Compounds

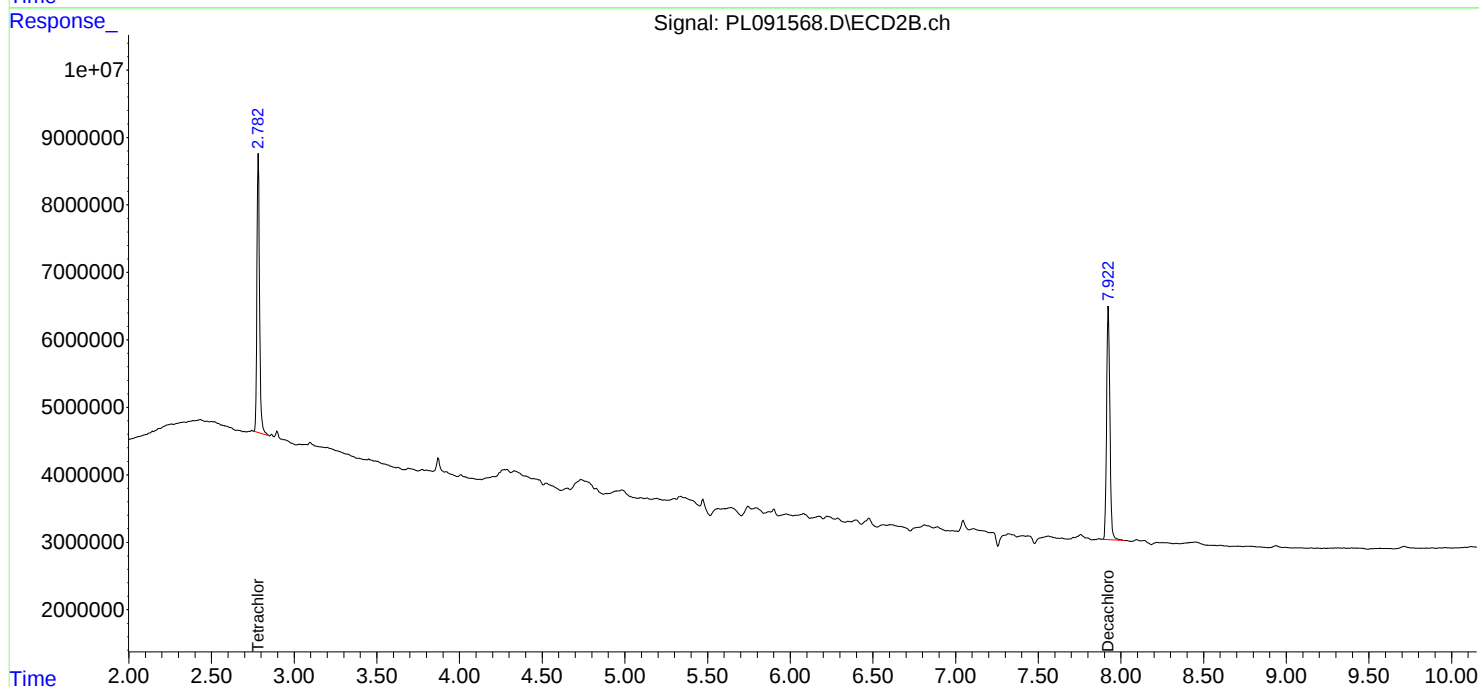
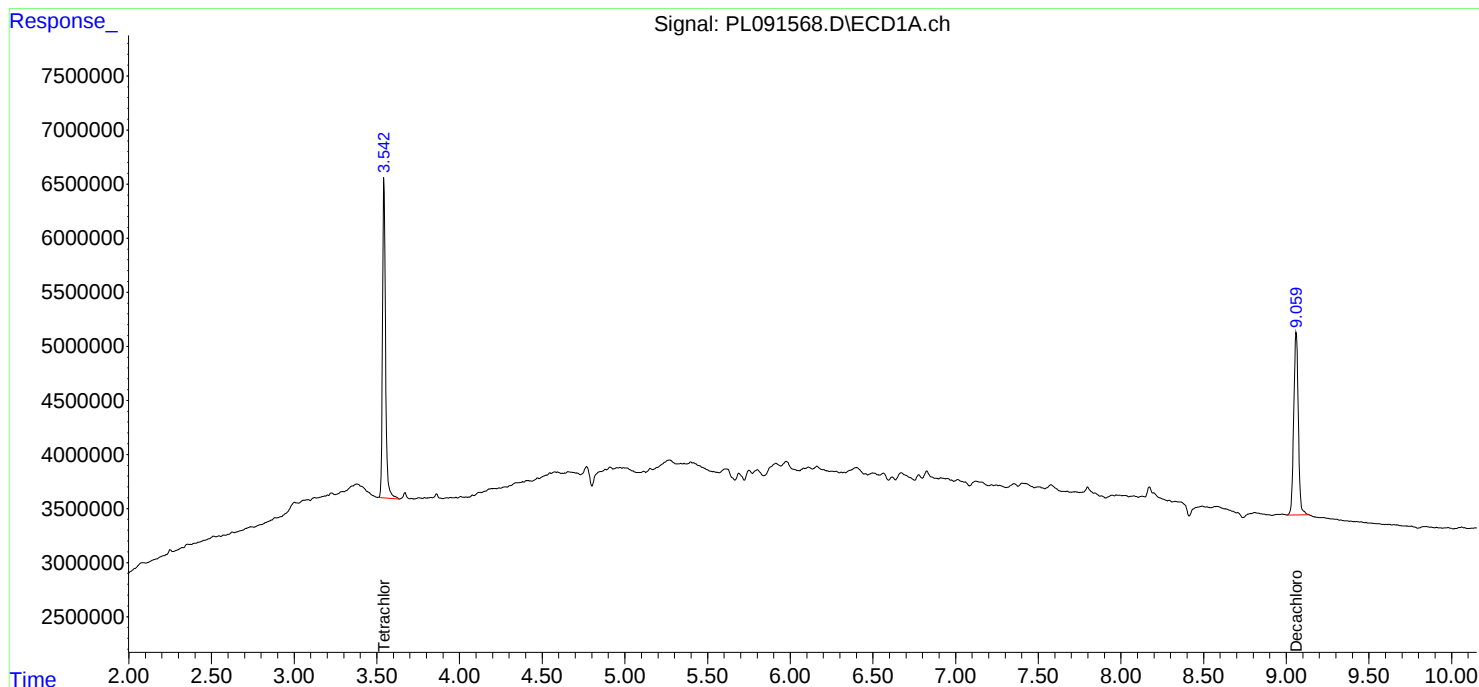
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

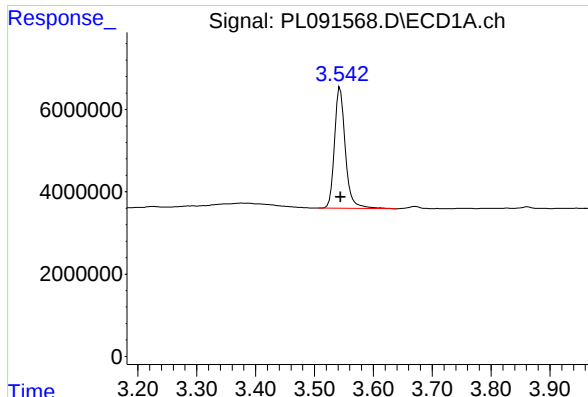
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090924\
Data File : PL091568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2024 14:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 18:05:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 17:50:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

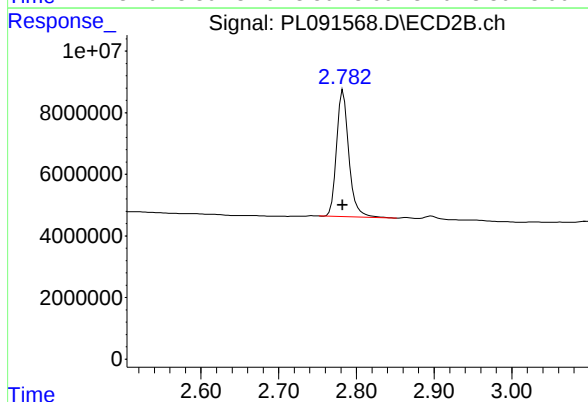




#1 Tetrachloro-m-xylene

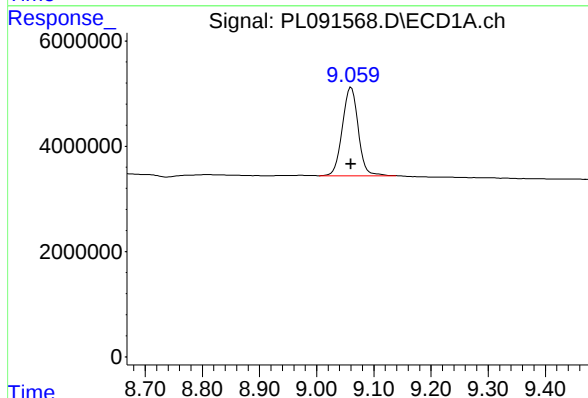
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 37715852
Conc: 24.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



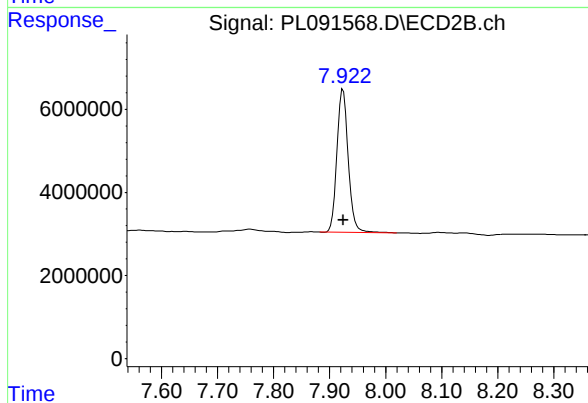
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 45438208
Conc: 24.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 32431838
Conc: 26.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 48319649
Conc: 26.17 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/10/24
Project:	NJ Waste Water PT	Date Received:	09/10/24
Client Sample ID:	PIBLK-PL091604.D	SDG No.:	P3845
Lab Sample ID:	I.BLK-PL091604.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group3
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091604.D	1		09/10/24	pl091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.4		43 - 140	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	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_L\Data\PL091024\
Data File : PL091604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 10:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:30:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	29671243	34654067	19.037	18.529
28) SA Decachlor...	9.055	7.922	22318962	31969536	18.365	17.313

Target Compounds

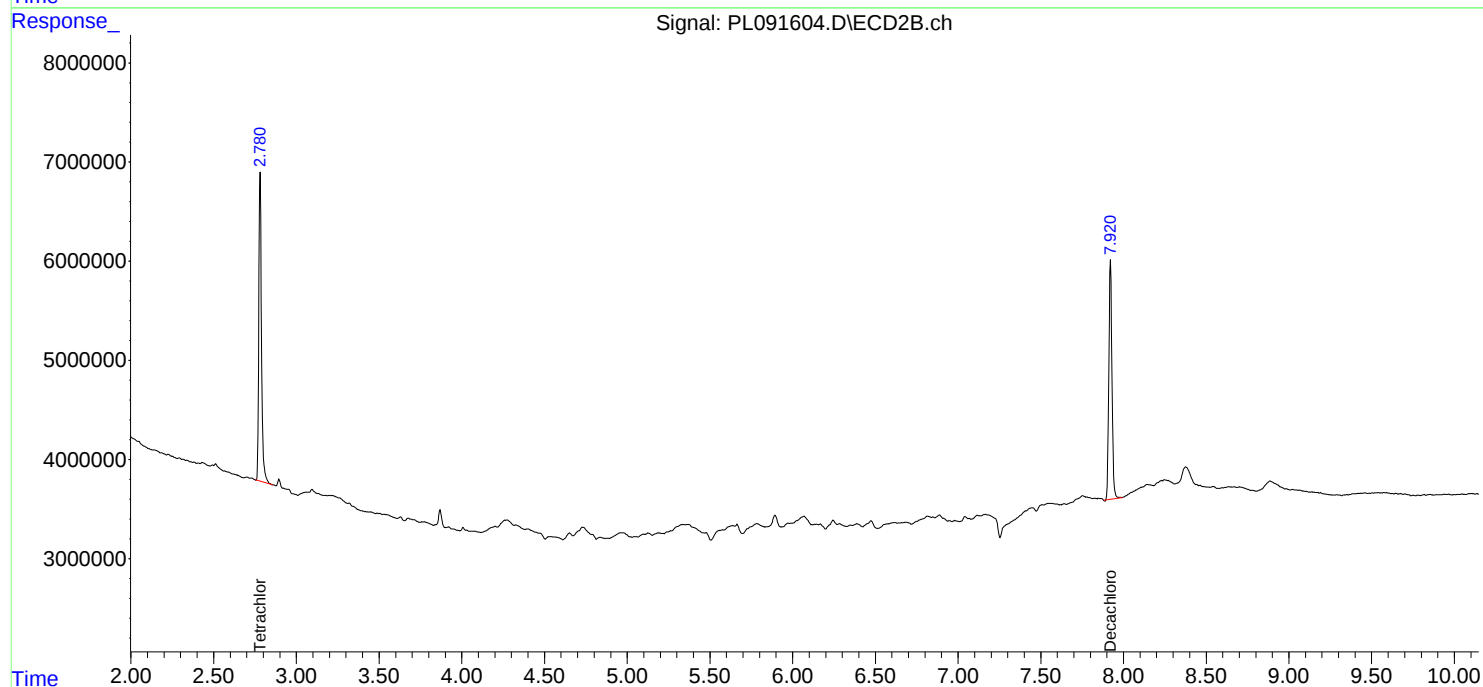
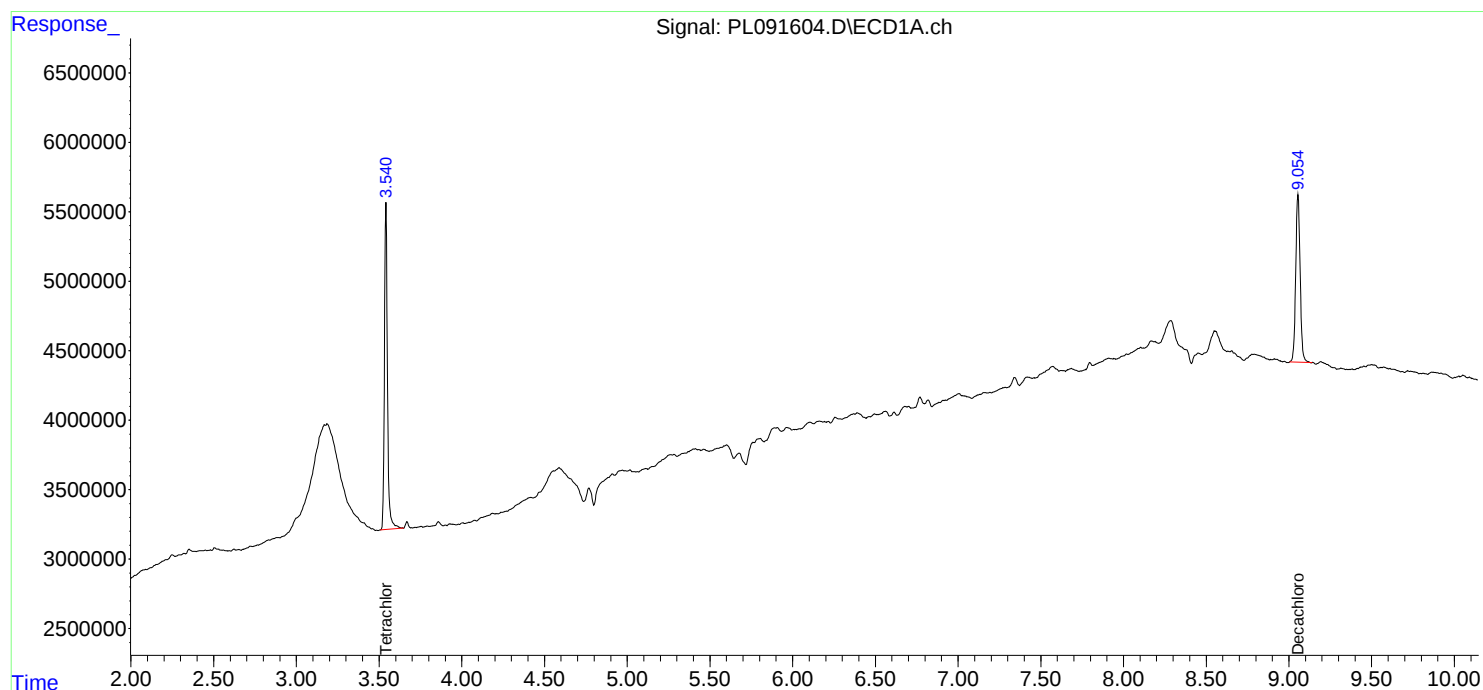
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

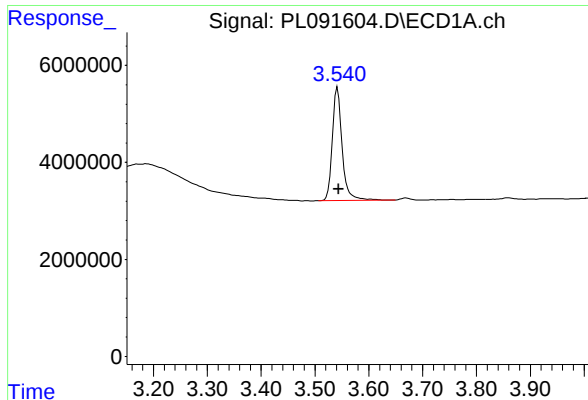
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 10:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:30:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

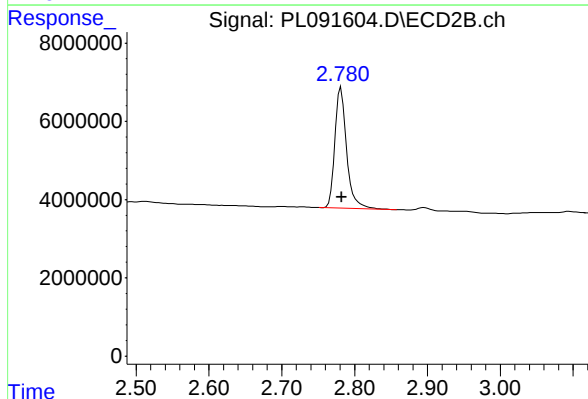




#1 Tetrachloro-m-xylene

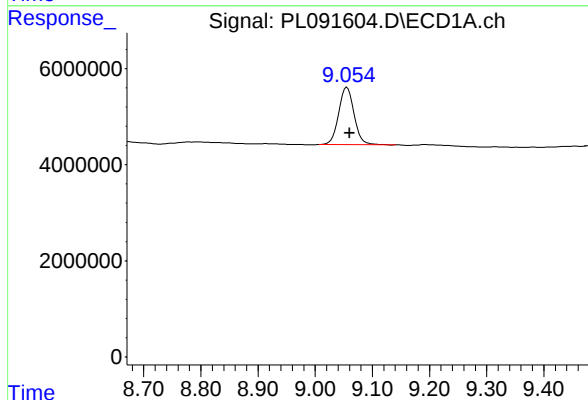
R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 29671243
Conc: 19.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



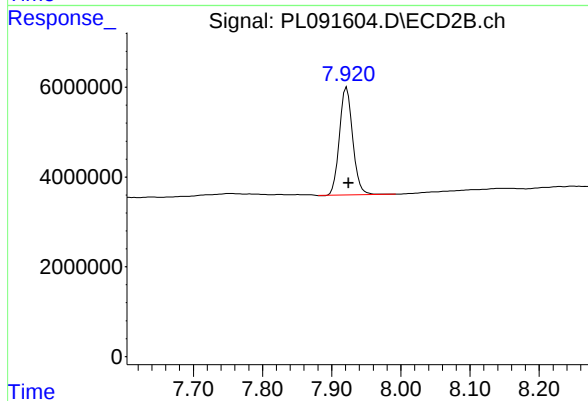
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: -0.001 min
Response: 34654067
Conc: 18.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.005 min
Response: 22318962
Conc: 18.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.922 min
Delta R.T.: -0.003 min
Response: 31969536
Conc: 17.31 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/10/24
Project:	NJ Waste Water PT	Date Received:	09/10/24
Client Sample ID:	PIBLK-PL091623.D	SDG No.:	P3845
Lab Sample ID:	I.BLK-PL091623.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE 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
PL091623.D	1		09/10/24	PL091024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.3		43 - 140	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		77 - 126	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_L\Data\PL091024\
Data File : PL091623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 16:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 07:03:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.542	2.781	30600433	33515003	19.633	17.920
28) SA Decachlor...	9.057	7.922	24674384	36881684	20.303	19.973

Target Compounds

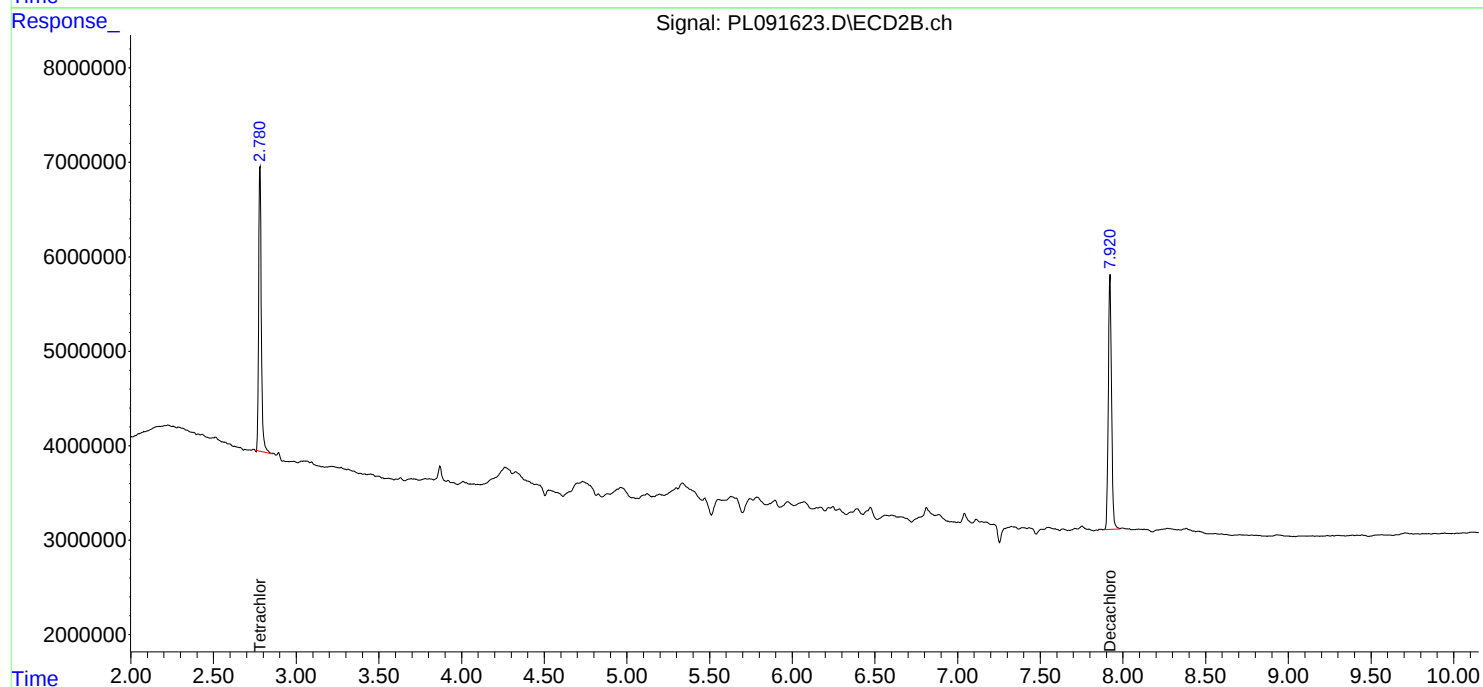
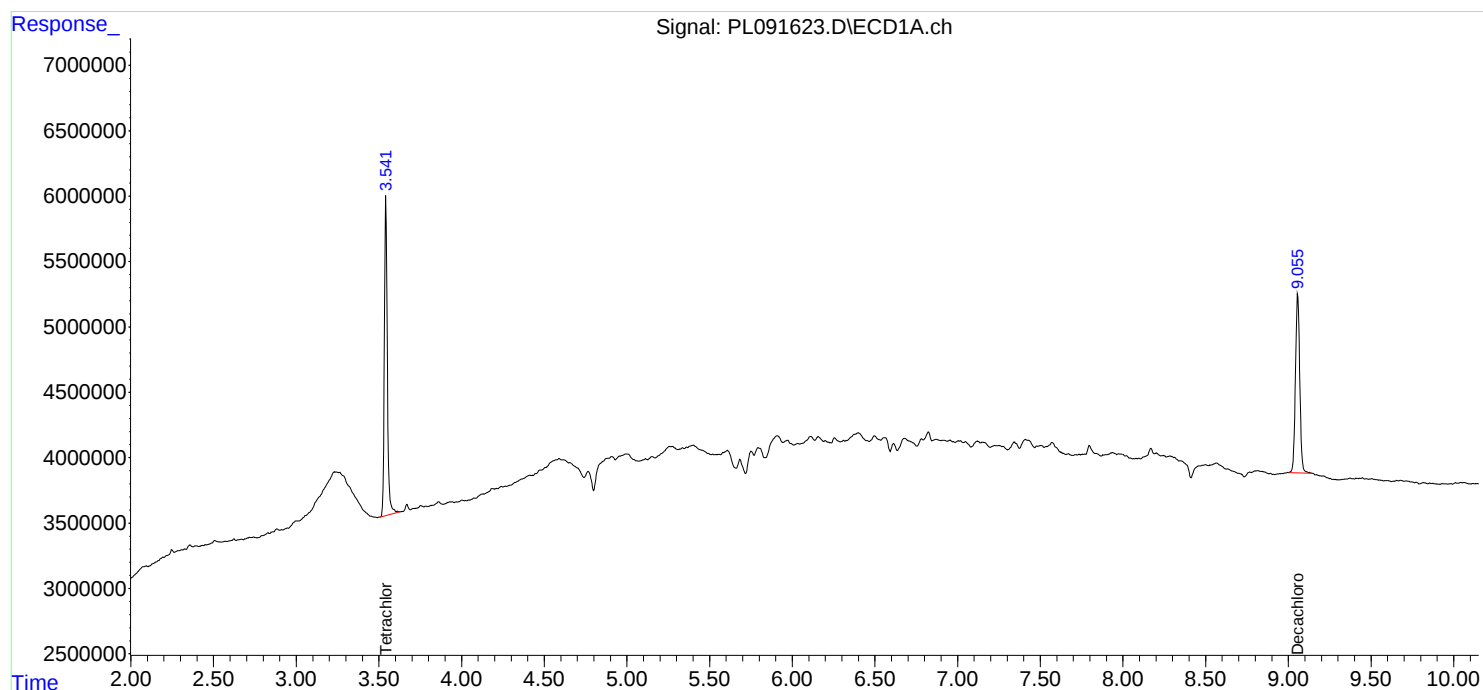
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

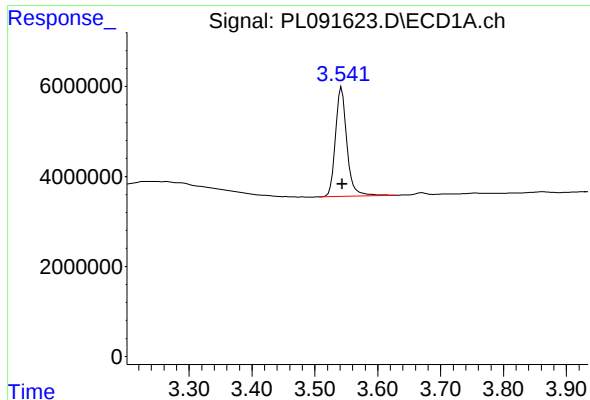
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 16:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 07:03:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL090924.M
Quant Title : GC Extractables
QLast Update : Mon Sep 09 19:26:36 2024
Response via : Initial Calibration
Integrator: ChemStation

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

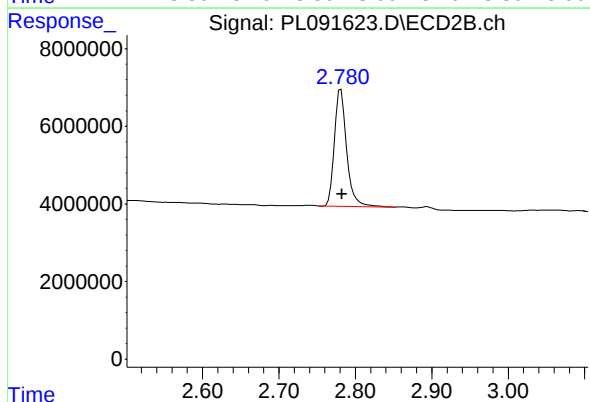




#1 Tetrachloro-m-xylene

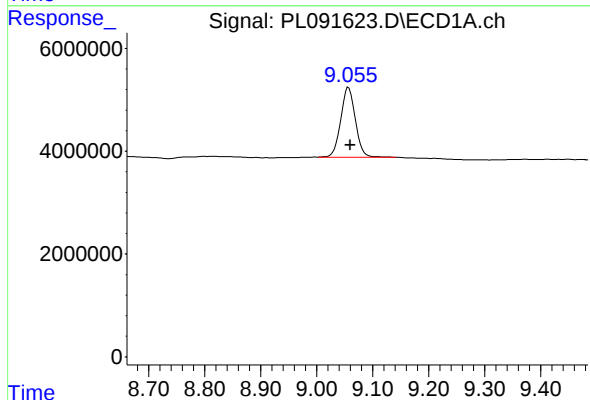
R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 30600433
Conc: 19.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



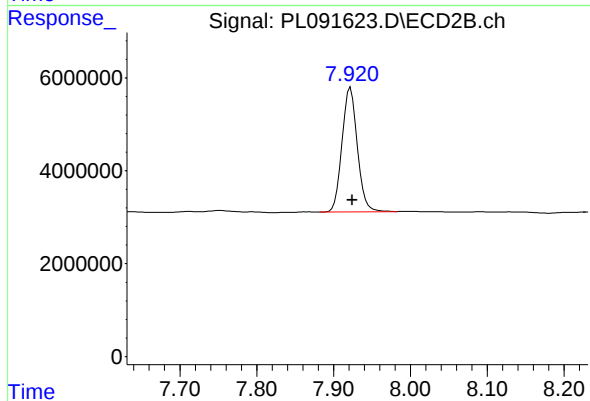
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: -0.002 min
Response: 33515003
Conc: 17.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: -0.003 min
Response: 24674384
Conc: 20.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.922 min
Delta R.T.: -0.003 min
Response: 36881684
Conc: 19.97 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/23/24
Project:	NJ Waste Water PT	Date Received:	09/23/24
Client Sample ID:	PIBLK-PL091953.D	SDG No.:	P3845
Lab Sample ID:	I.BLK-PL091953.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE 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
PL091953.D	1		09/23/24	PL092324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	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_L\Data\PL092324\
Data File : PL091953.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 10:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	42236372	45921989	18.986	18.310
28) SA Decachlor...	9.060	7.923	32124664	46897103	19.609	18.744

Target Compounds

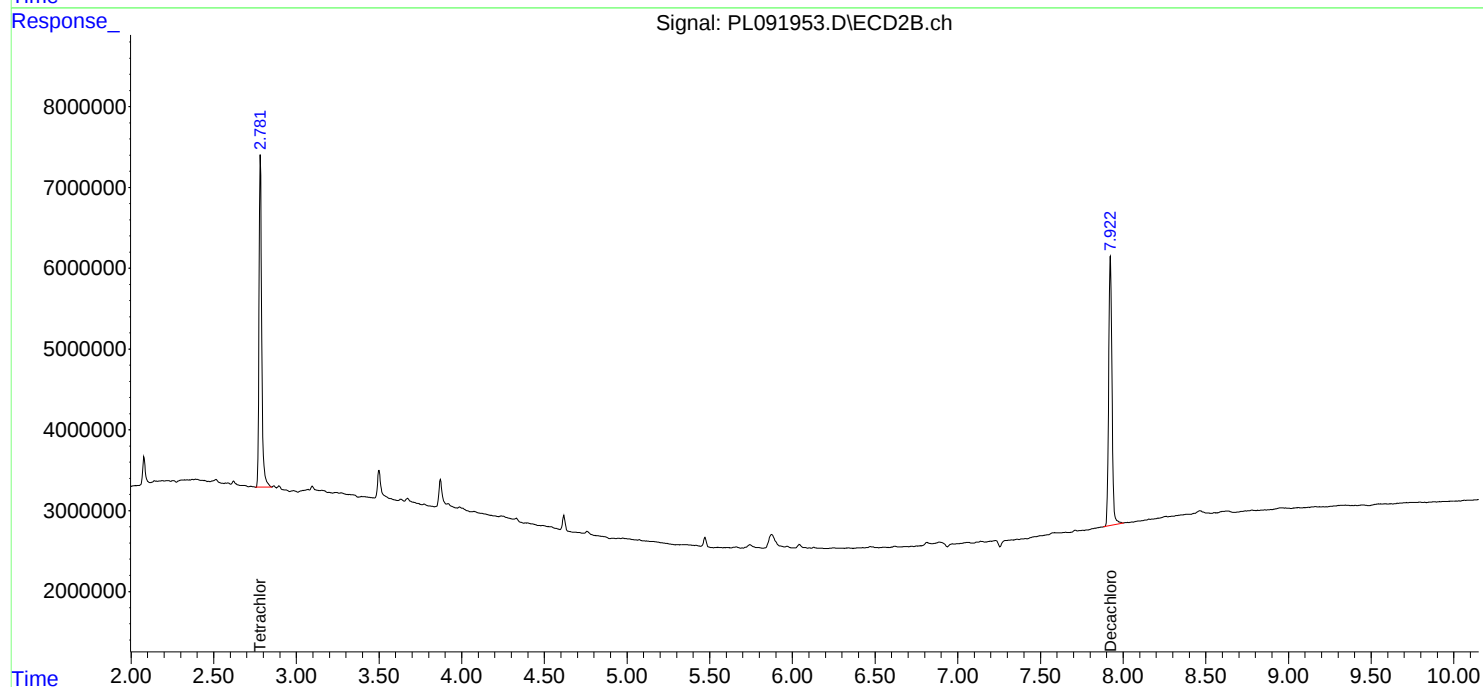
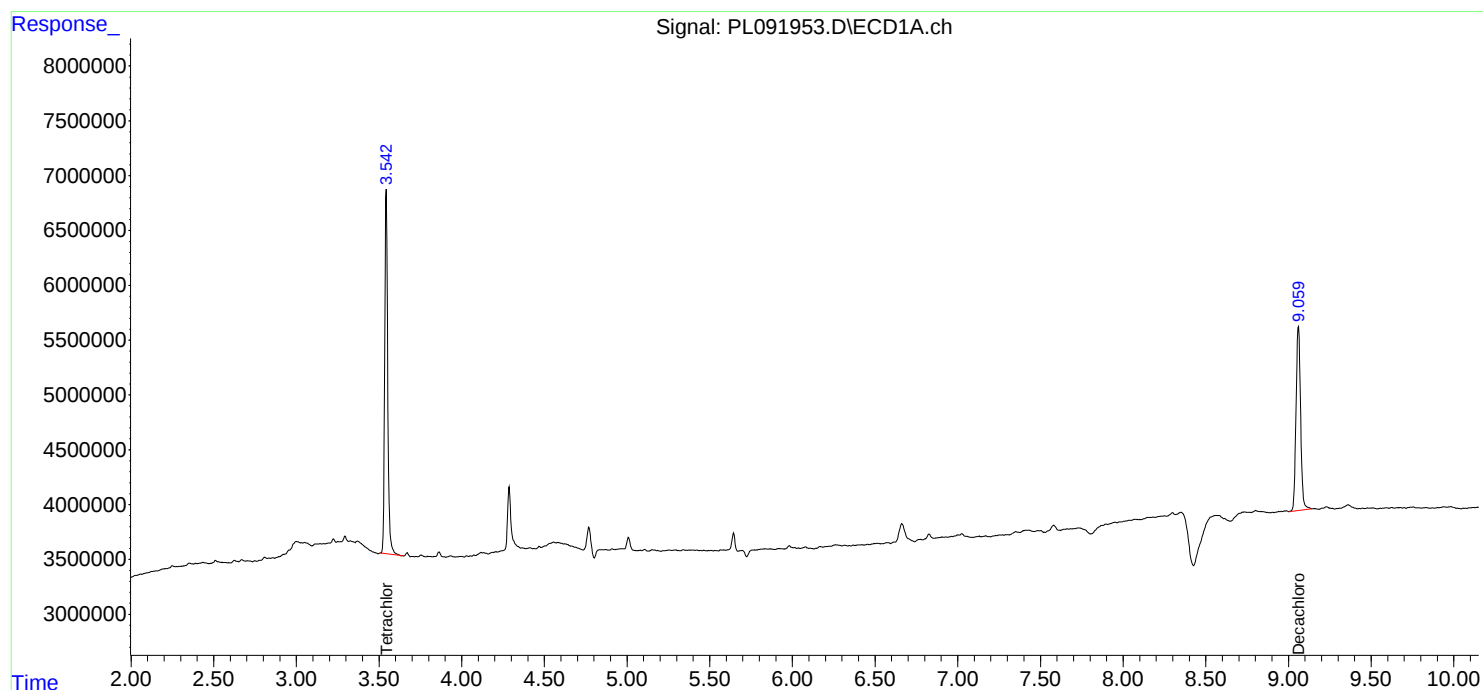
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

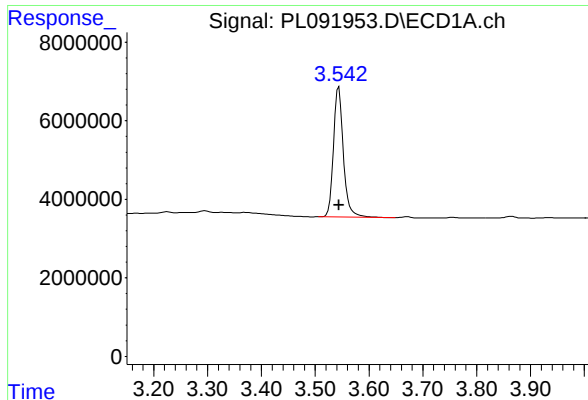
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092324\
Data File : PL091953.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2024 10:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:04:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 14:03:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

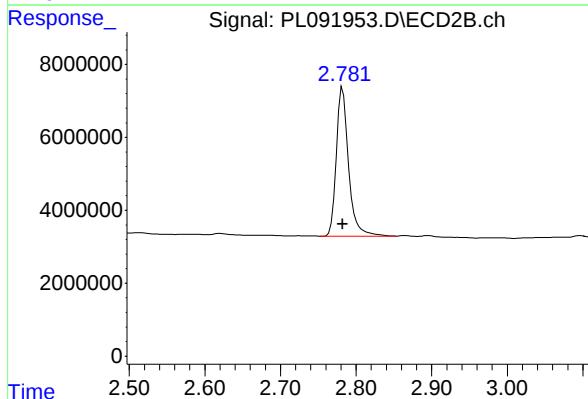




#1 Tetrachloro-m-xylene

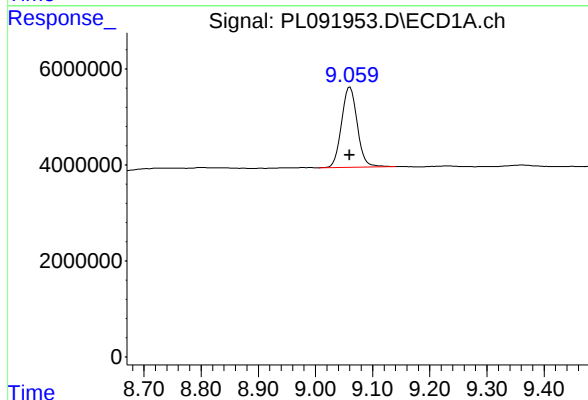
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 42236372
Conc: 18.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



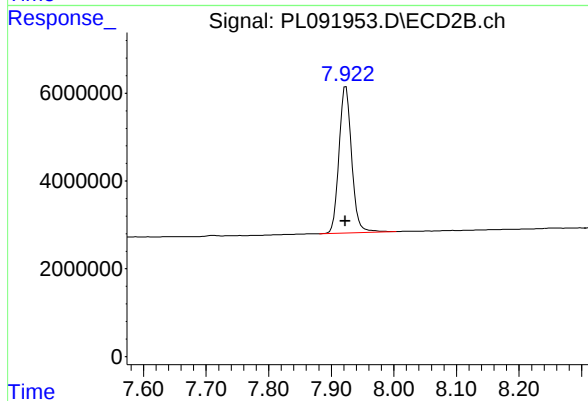
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 45921989
Conc: 18.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.000 min
Response: 32124664
Conc: 19.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 46897103
Conc: 18.74 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/24/24
Project:	NJ Waste Water PT	Date Received:	09/24/24
Client Sample ID:	PIBLK-PL091991.D	SDG No.:	P3845
Lab Sample ID:	I.BLK-PL091991.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group3
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091991.D	1		09/24/24	PL092424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.7		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		77 - 126	101%	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_L\Data\PL092424\
Data File : PL091991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 09:28
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:16:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.545	2.782	45103558	49097982	20.274	19.576
28)	SA Decachlor...	9.061	7.923	33923814	48894949	20.708	19.543

Target Compounds

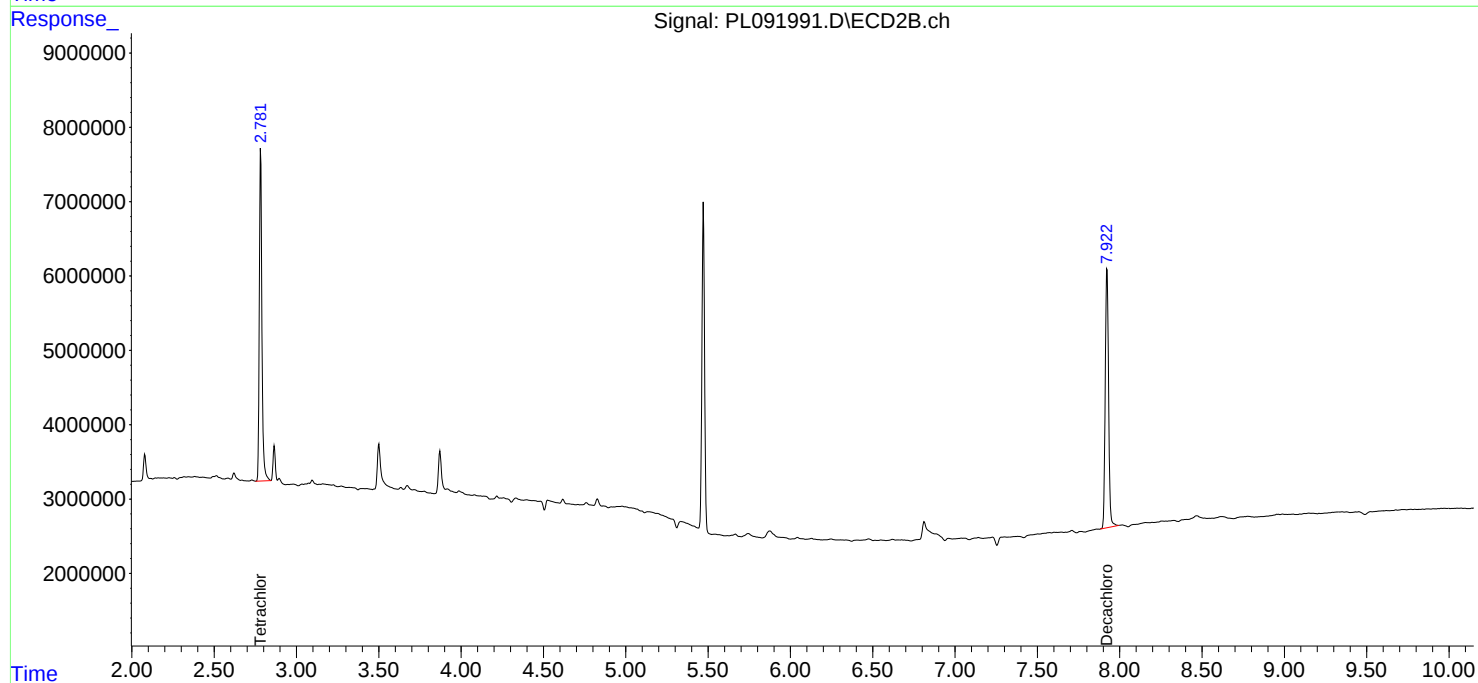
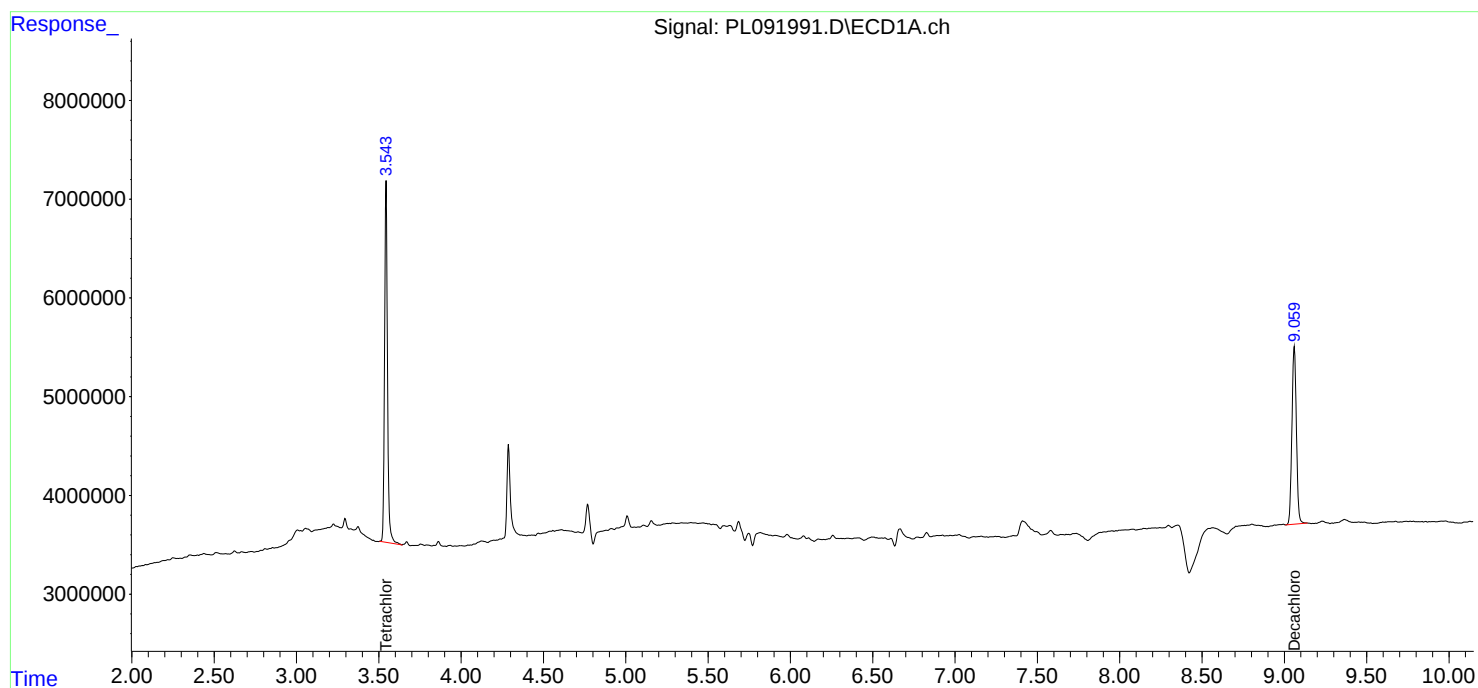
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

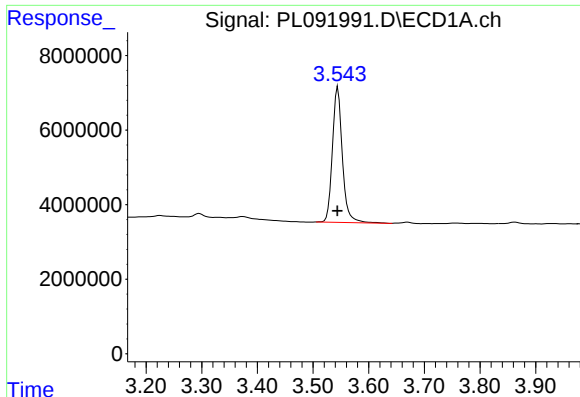
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL091991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 09:28
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:16:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

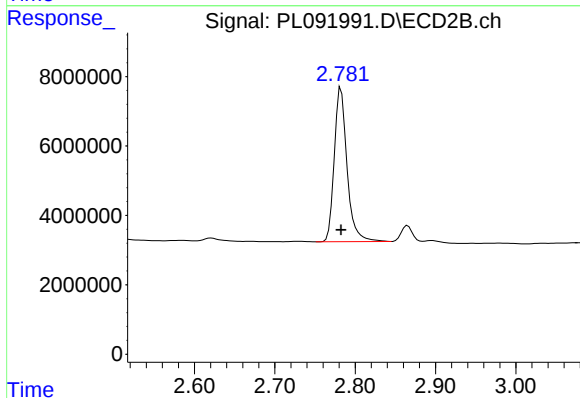




#1 Tetrachloro-m-xylene

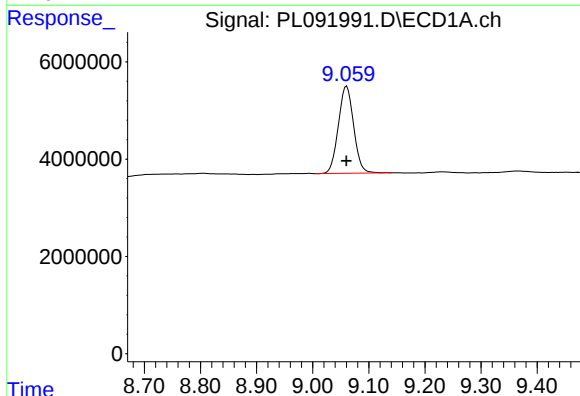
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 45103558
Conc: 20.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



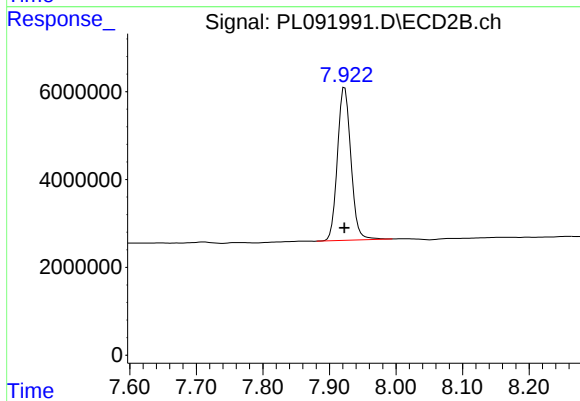
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 49097982
Conc: 19.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 33923814
Conc: 20.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 48894949
Conc: 19.54 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	09/24/24
Project:	NJ Waste Water PT	Date Received:	09/24/24
Client Sample ID:	PIBLK-PL092002.D	SDG No.:	P3845
Lab Sample ID:	I.BLK-PL092002.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE 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
PL092002.D	1		09/24/24	PL092424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		77 - 126	100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL092002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 14:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:18:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.783	44399966	48843118	19.958	19.474
28)	SA Decachlor...	9.061	7.923	34165687	50902131	20.855	20.345

Target Compounds

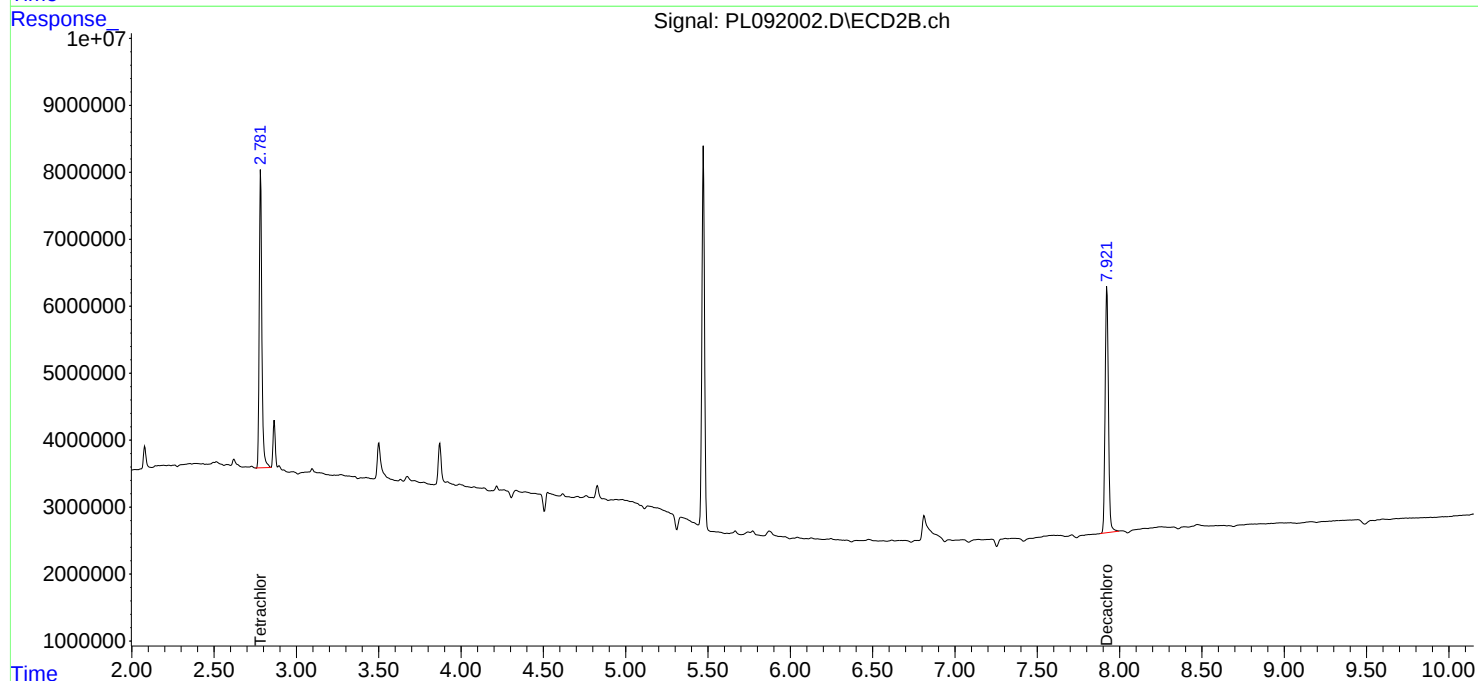
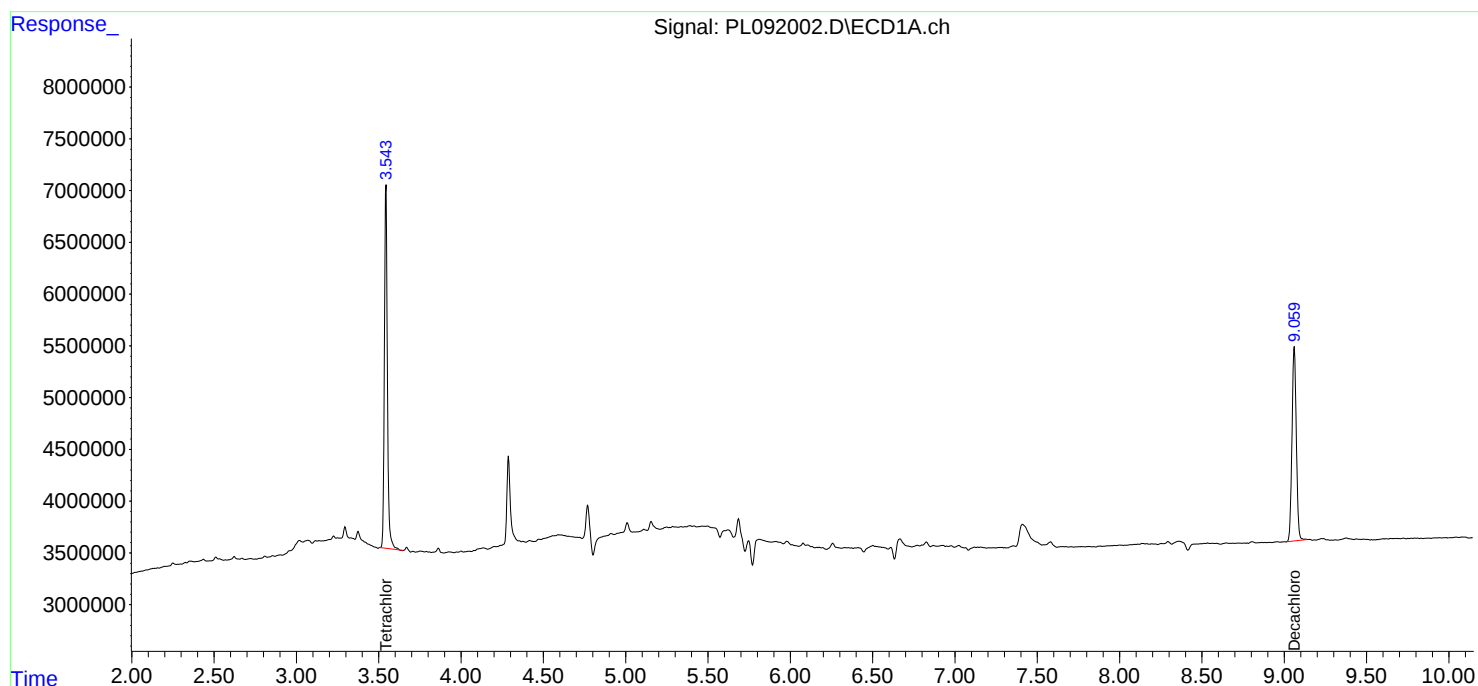
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

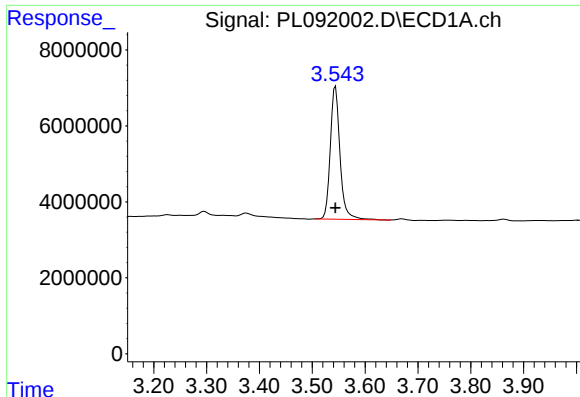
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092424\
Data File : PL092002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Sep 2024 14:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 25 01:18:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

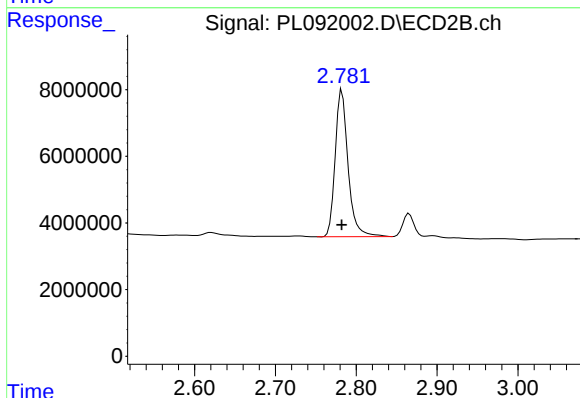




#1 Tetrachloro-m-xylene

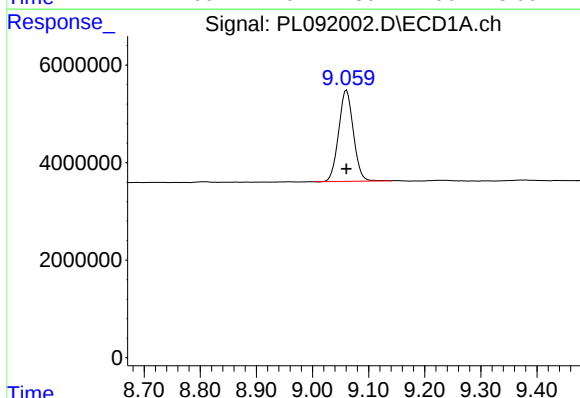
R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 44399966
Conc: 19.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



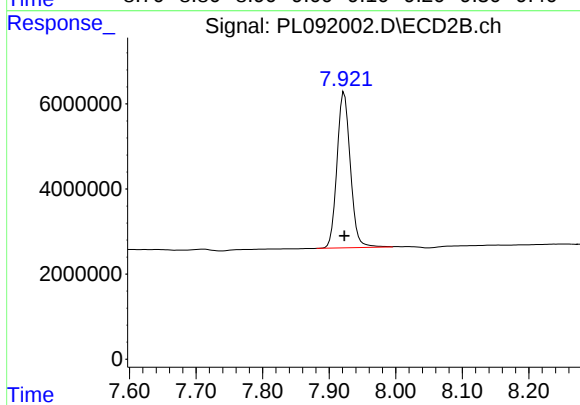
#1 Tetrachloro-m-xylene

R.T.: 2.783 min
Delta R.T.: 0.000 min
Response: 48843118
Conc: 19.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.000 min
Response: 34165687
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 50902131
Conc: 20.35 ng/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB163231BS	SDG No.:	P3845
Lab Sample ID:	PB163231BS	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL091619.D	1	09/09/24 10:15	09/10/24 15:43	PB163231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
8001-35-2	Toxaphene	2.00		0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		77 - 126	109%	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_L\Data\PL091024\
Data File : PL091619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 15:43
Operator : AR\AJ
Sample : PB163231BS
Misc : TOX/BS
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB163231BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:39:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Tue Sep 10 06:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.782	35620200	40767003	21.826	20.165
7) SA Decachlor...	9.062	7.925	27744746	43069948	22.006	22.909
Target Compounds						
2) Toxaphene-1	6.243	5.697	1820073	1793329	190.024	183.984
3) Toxaphene-2	6.447	5.981	1807293	3379327	206.015	213.304
4) Toxaphene-3	7.064	6.613	9592316	8667199	207.509	207.219
5) Toxaphene-4	7.155	6.742	8187740	11806958	210.715	213.842
6) Toxaphene-5	7.939	7.185	5673645	3633596	204.108	204.114

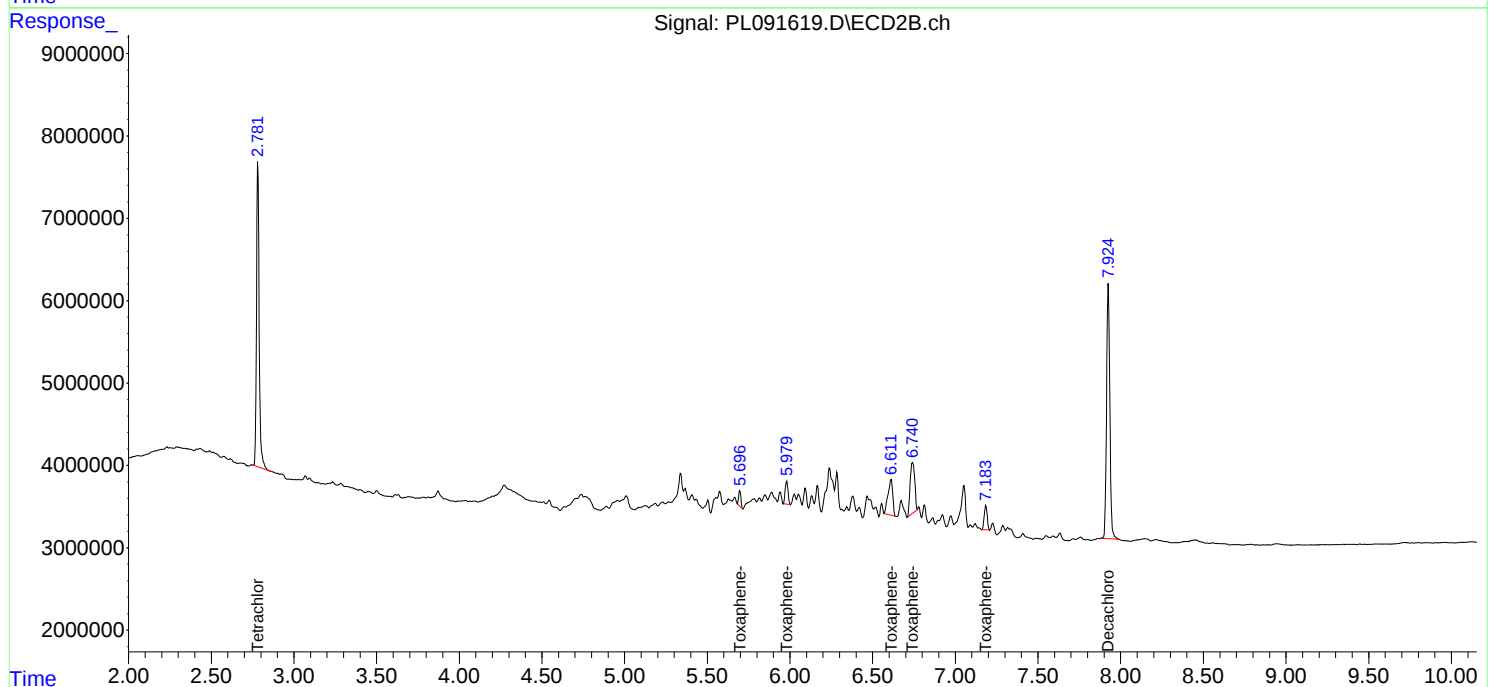
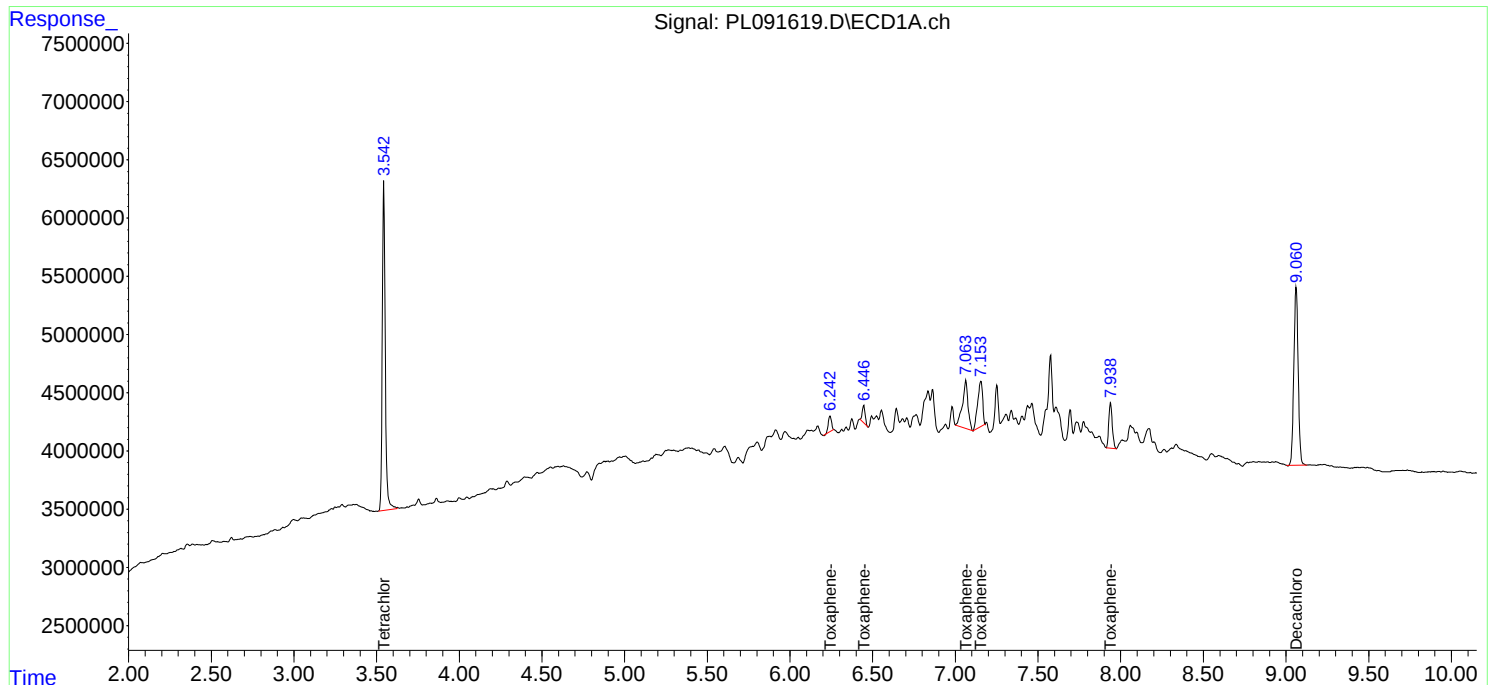
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

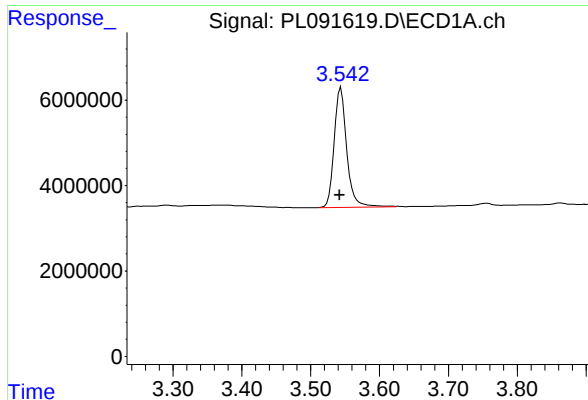
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091024\
Data File : PL091619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 15:43
Operator : AR\AJ
Sample : PB163231BS
Misc : TOX/BS
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB163231BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 05:39:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX090924.M
Quant Title : GC Extractables
QLast Update : Tue Sep 10 06:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

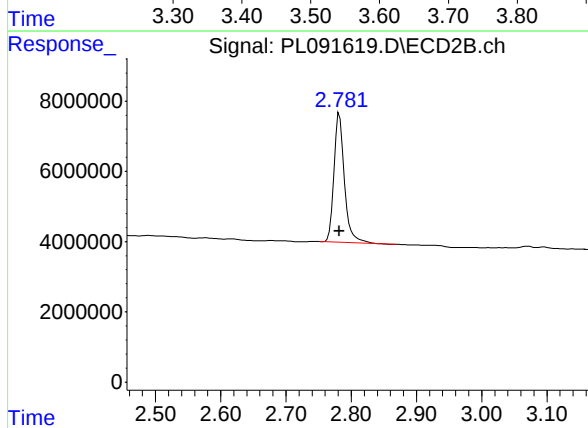




#1 Tetrachloro-m-xylene

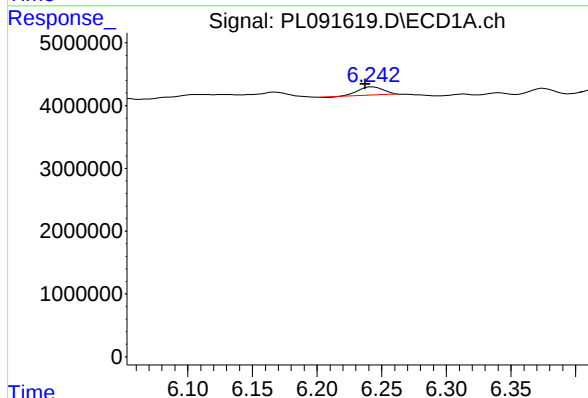
R.T.: 3.544 min
Delta R.T.: 0.002 min
Response: 35620200
Conc: 21.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163231BS



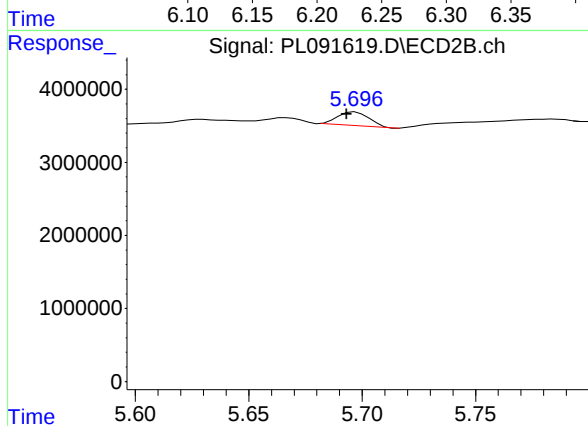
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 40767003
Conc: 20.16 ng/ml



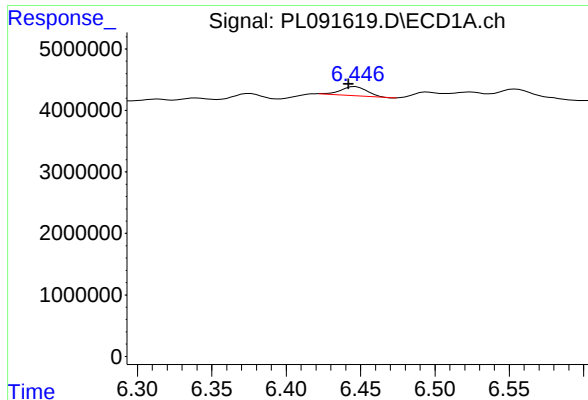
#2 Toxaphene-1

R.T.: 6.243 min
Delta R.T.: 0.005 min
Response: 1820073
Conc: 190.02 ng/ml



#2 Toxaphene-1

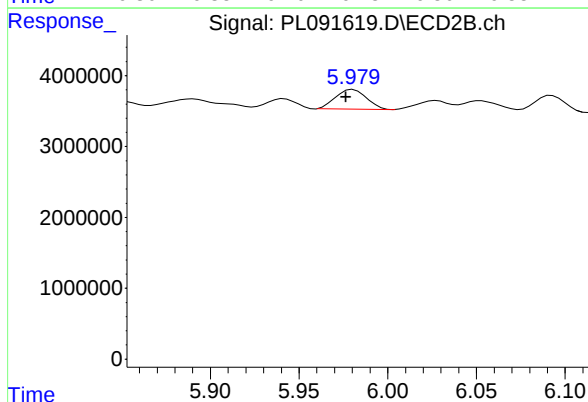
R.T.: 5.697 min
Delta R.T.: 0.004 min
Response: 1793329
Conc: 183.98 ng/ml



#3 Toxaphene-2

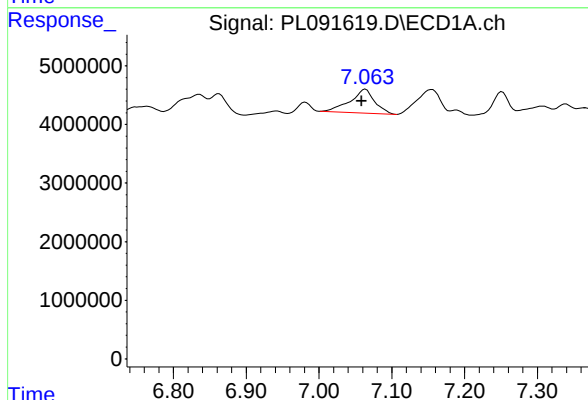
R.T.: 6.447 min
Delta R.T.: 0.005 min
Response: 1807293
Conc: 206.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163231BS



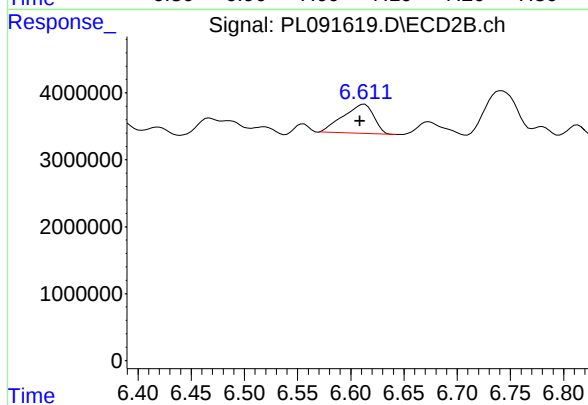
#3 Toxaphene-2

R.T.: 5.981 min
Delta R.T.: 0.004 min
Response: 3379327
Conc: 213.30 ng/ml



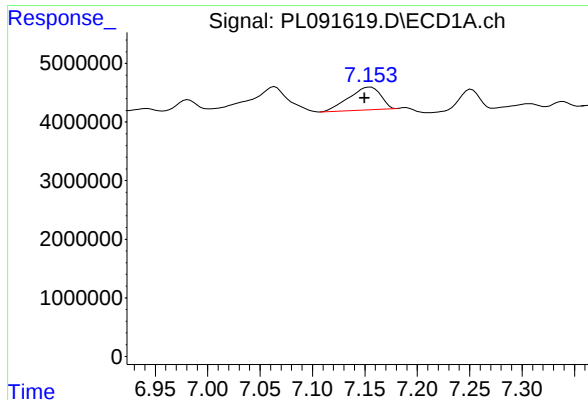
#4 Toxaphene-3

R.T.: 7.064 min
Delta R.T.: 0.005 min
Response: 9592316
Conc: 207.51 ng/ml



#4 Toxaphene-3

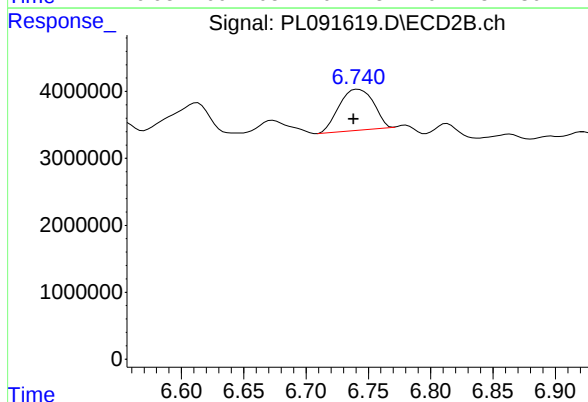
R.T.: 6.613 min
Delta R.T.: 0.004 min
Response: 8667199
Conc: 207.22 ng/ml



#5 Toxaphene-4

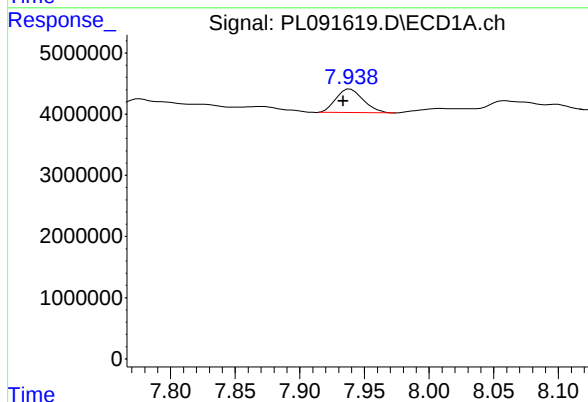
R.T.: 7.155 min
Delta R.T.: 0.005 min
Response: 8187740
Conc: 210.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163231BS



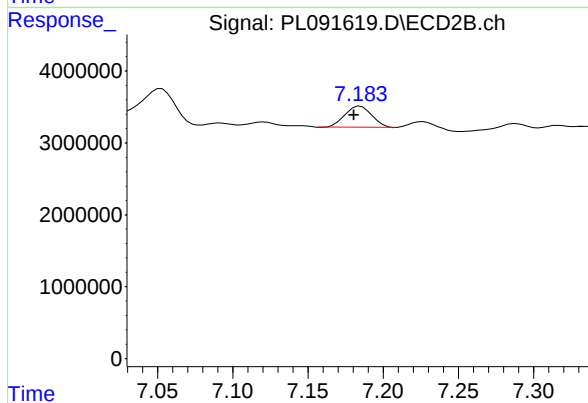
#5 Toxaphene-4

R.T.: 6.742 min
Delta R.T.: 0.004 min
Response: 11806958
Conc: 213.84 ng/ml



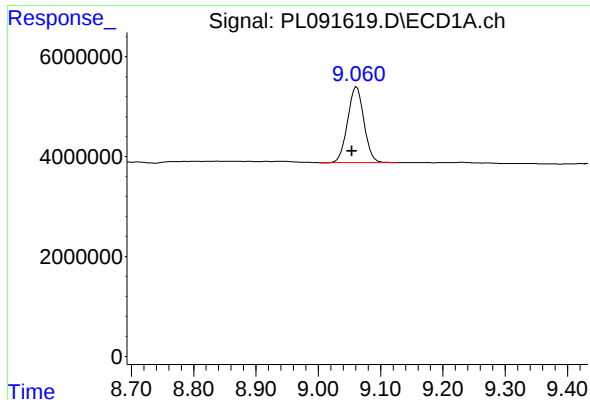
#6 Toxaphene-5

R.T.: 7.939 min
Delta R.T.: 0.005 min
Response: 5673645
Conc: 204.11 ng/ml



#6 Toxaphene-5

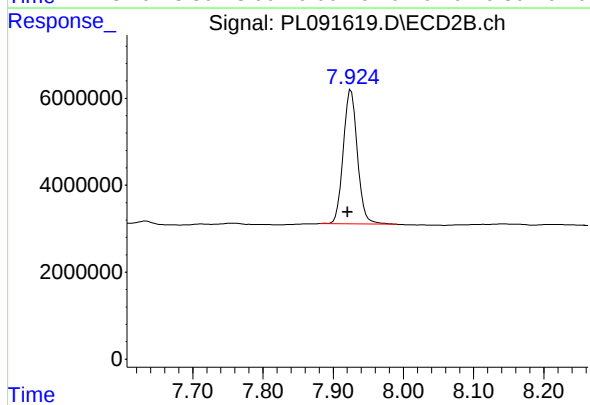
R.T.: 7.185 min
Delta R.T.: 0.004 min
Response: 3633596
Conc: 204.11 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.007 min
Response: 27744746
Conc: 22.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163231BS



#7 Decachlorobiphenyl

R.T.: 7.925 min
Delta R.T.: 0.005 min
Response: 43069948
Conc: 22.91 ng/ml

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Manual Integration Report

Sequence:	PL090924	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091569.D	Endrin ketone	Abdul	9/11/2024 11:42:32 AM	Ankita	9/11/2024 1:51:36	Peak Integrated by Software
RESCHK	PL091570.D	gamma-Chlordane #2	Abdul	9/11/2024 11:42:35 AM	Ankita	9/11/2024 1:51:37	Peak Integrated by Software
PTOXICC750	PL091582.D	Toxaphene-2	Abdul	9/11/2024 1:52:46 PM	Ankita	9/11/2024 1:53:02	Peak Integrated by Software
PTOXICC500	PL091583.D	Toxaphene-1 #2	Abdul	9/11/2024 1:52:48 PM	Ankita	9/11/2024 1:53:04	Peak Integrated by Software
PTOXICC500	PL091583.D	Toxaphene-2	Abdul	9/11/2024 1:52:48 PM	Ankita	9/11/2024 1:53:04	Peak Integrated by Software
PTOXICC500	PL091583.D	Toxaphene-2 #2	Abdul	9/11/2024 1:52:48 PM	Ankita	9/11/2024 1:53:04	Peak Integrated by Software
PTOXICC500	PL091583.D	Toxaphene-5 #2	Abdul	9/11/2024 1:52:48 PM	Ankita	9/11/2024 1:53:04	Peak Integrated by Software
PTOXICC100	PL091585.D	Toxaphene-1 #2	Abdul	9/11/2024 1:52:51 PM	Ankita	9/11/2024 1:53:06	Peak Integrated by Software
PTOXICC100	PL091585.D	Toxaphene-5	Abdul	9/11/2024 1:52:51 PM	Ankita	9/11/2024 1:53:06	Peak Integrated by Software
PTOXICC100	PL091585.D	Toxaphene-5 #2	Abdul	9/11/2024 1:52:51 PM	Ankita	9/11/2024 1:53:06	Peak Integrated by Software
PSTDICV050	PL091586.D	gamma-Chlordane #2	Abdul	9/11/2024 11:42:59 AM	Ankita	9/11/2024 1:51:45	Peak Integrated by Software
I.BLK	PL091589.D	Decachlorobiphenyl #2	Abdul	9/11/2024 11:43:04 AM	Ankita	9/11/2024 1:51:47	Peak Integrated by Software
I.BLK	PL091589.D	Tetrachloro-m-xylene #2	Abdul	9/11/2024 11:43:04 AM	Ankita	9/11/2024 1:51:47	Peak Integrated by Software

Manual Integration Report

Sequence:	PL090924	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091590.D	4,4"-DDD #2	Abdul	9/11/2024 11:43:08 AM	Ankita	9/11/2024 1:51:48	Peak Integrated by Software
PEM	PL091590.D	Endrin aldehyde	Abdul	9/11/2024 11:43:08 AM	Ankita	9/11/2024 1:51:48	Peak Integrated by Software
PSTDCCC050	PL091591.D	4,4"-DDE #2	Abdul	9/11/2024 11:43:12 AM	Ankita	9/11/2024 1:51:50	Peak Integrated by Software
PSTDCCC050	PL091591.D	gamma-Chlordane #2	Abdul	9/11/2024 11:43:12 AM	Ankita	9/11/2024 1:51:50	Peak Integrated by Software
I.BLK	PL091601.D	Decachlorobiphenyl #2	Abdul	9/11/2024 11:43:47 AM	Ankita	9/11/2024 1:52:04	Peak Integrated by Software
PSTDCCC050	PL091602.D	4,4"-DDT #2	Abdul	9/11/2024 11:43:51 AM	Ankita	9/11/2024 1:52:06	Peak Integrated by Software
PSTDCCC050	PL091602.D	Aldrin	Abdul	9/11/2024 11:43:51 AM	Ankita	9/11/2024 1:52:06	Peak Integrated by Software
PSTDCCC050	PL091602.D	Endrin aldehyde	Abdul	9/11/2024 11:43:51 AM	Ankita	9/11/2024 1:52:06	Peak Integrated by Software
PSTDCCC050	PL091602.D	Methoxychlor	Abdul	9/11/2024 11:43:51 AM	Ankita	9/11/2024 1:52:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pl091024	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091605.D	4,4"-DDD #2	Abdul	9/11/2024 9:20:40 AM	Ankita	9/11/2024 11:32:09	Peak Integrated by Software
PEM	PL091605.D	4,4"-DDE	Abdul	9/11/2024 9:20:40 AM	Ankita	9/11/2024 11:32:09	Peak Integrated by Software
PEM	PL091605.D	4,4"-DDE #2	Abdul	9/11/2024 9:20:40 AM	Ankita	9/11/2024 11:32:09	Peak Integrated by Software
PEM	PL091605.D	Endrin	Abdul	9/11/2024 9:20:40 AM	Ankita	9/11/2024 11:32:09	Peak Integrated by Software
PSTDCCC050	PL091606.D	4,4"-DDD #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Aldrin #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Endosulfan II	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Endrin	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Endrin #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Endrin aldehyde	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	gamma-Chlordane #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PSTDCCC050	PL091606.D	Heptachlor epoxide #2	Abdul	9/11/2024 9:20:43 AM	Ankita	9/11/2024 11:32:11	Peak Integrated by Software
PCHLORCCC500	PL091607.D	Chlordane-3	Abdul	9/11/2024 9:20:47 AM	Ankita	9/11/2024 11:32:13	Peak Integrated by Software

Manual Integration Report

Sequence:	pl091024	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PTOXCCC500	PL091608.D	Toxaphene-1	Abdul	9/12/2024 9:38:57 AM	Ankita	9/12/2024 11:58:31	Peak Integrated by Software
PSTDCCC050	PL091624.D	Aldrin	Abdul	9/12/2024 3:02:46 PM	Ankita	9/13/2024 11:00:08	Peak Integrated by Software
PSTDCCC050	PL091624.D	gamma-Chlordane #2	Abdul	9/12/2024 3:02:46 PM	Ankita	9/13/2024 11:00:08	Peak Integrated by Software
PSTDCCC050	PL091624.D	Heptachlor	Abdul	9/12/2024 3:02:46 PM	Ankita	9/13/2024 11:00:08	Peak Integrated by Software
PCHLORCCC500	PL091625.D	Chlordane-3	Abdul	9/11/2024 9:21:29 AM	Ankita	9/11/2024 11:32:33	Peak Integrated by Software
PTOXCCC500	PL091626.D	Toxaphene-1	Abdul	9/12/2024 9:39:12 AM	Ankita	9/12/2024 11:58:39	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091954.D	Endrin ketone #2	Abdul	9/24/2024 9:17:41 AM	Ankita	9/24/2024 11:06:36	Peak Integrated by Software
PTOXICC100	PL091970.D	Decachlorobiphenyl #2	Abdul	9/24/2024 9:17:52 AM	Ankita	9/24/2024 11:06:43	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDT #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Endrin ketone #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	gamma-BHC (Lindane)	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Methoxychlor #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PSTDCCC050	PL091976.D	4,4"-DDE #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Aldrin #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	delta-BHC #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin aldehyde	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin ketone #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PL091988.D	Tetrachloro-m-xylene	Abdul	9/24/2024 9:23:07 AM	Ankita	9/24/2024 11:07:26	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDD	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDE #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Aldrin #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	delta-BHC #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endrin	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092424	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091992.D	4,4"-DDE	Abdul	9/25/2024 10:47:14 AM	Ankita	9/25/2024 2:17:24	Peak Integrated by Software
PEM	PL091992.D	4,4"-DDE #2	Abdul	9/25/2024 10:47:14 AM	Ankita	9/25/2024 2:17:24	Peak Integrated by Software
PEM	PL091992.D	Endrin ketone #2	Abdul	9/25/2024 10:47:14 AM	Ankita	9/25/2024 2:17:24	Peak Integrated by Software
PSTDCCC050	PL091993.D	4,4"-DDD	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	4,4"-DDE #2	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Aldrin #2	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Endosulfan II #2	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Endrin	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Endrin ketone #2	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	gamma-Chlordane	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Heptachlor epoxide	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PSTDCCC050	PL091993.D	Methoxychlor	Abdul	9/25/2024 10:47:17 AM	Ankita	9/25/2024 2:17:25	Peak Integrated by Software
PCHLORCCC500	PL091994.D	Chlordane-1	Abdul	9/25/2024 10:47:20 AM	Ankita	9/25/2024 2:17:27	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092424	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P3845-13	PL091998.D	Toxaphene-1	Abdul	9/25/2024 10:47:35 AM	Ankita	9/25/2024 2:17:32	Peak Integrated by Software
P3845-13	PL091998.D	Toxaphene-2 #2	Abdul	9/25/2024 10:47:35 AM	Ankita	9/25/2024 2:17:32	Peak Integrated by Software
P3845-13DL	PL092001.D	Decachlorobiphenyl #2	Abdul	9/25/2024 10:47:45 AM	Ankita	9/25/2024 2:17:41	Peak Integrated by Software
P3845-13DL	PL092001.D	Toxaphene-1	Abdul	9/25/2024 10:47:45 AM	Ankita	9/25/2024 2:17:41	Peak Integrated by Software
P3845-13DL	PL092001.D	Toxaphene-2	Abdul	9/25/2024 10:47:45 AM	Ankita	9/25/2024 2:17:41	Peak Integrated by Software
P3845-13DL	PL092001.D	Toxaphene-2 #2	Abdul	9/25/2024 10:47:45 AM	Ankita	9/25/2024 2:17:41	Peak Integrated by Software
PSTDCCC050	PL092003.D	4,4"-DDD	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	4,4"-DDE #2	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	Aldrin #2	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	alpha-Chlordane	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	Endrin	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	Endrin ketone #2	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092003.D	gamma-Chlordane	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092424	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092003.D	Heptachlor epoxide	Abdul	9/25/2024 10:47:50 AM	Ankita	9/25/2024 2:17:43	Peak Integrated by Software
PSTDCCC050	PL092015.D	4,4"-DDD	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	4,4"-DDE #2	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Aldrin	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Aldrin #2	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	alpha-Chlordane	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Endosulfan II #2	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Endrin	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Endrin ketone #2	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	gamma-Chlordane	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Heptachlor epoxide	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092015.D	Methoxychlor	Abdul	9/25/2024 10:48:24 AM	Ankita	9/25/2024 2:17:56	Peak Integrated by Software
PSTDCCC050	PL092021.D	4,4"-DDD	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092424	Instrument	ECD_I
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092021.D	4,4"-DDE #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Aldrin #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Endosulfan I #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Endrin	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Endrin ketone #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	gamma-Chlordane	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Heptachlor epoxide	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software
PSTDCCC050	PL092021.D	Mirex #2	Abdul	9/25/2024 10:48:40 AM	Ankita	9/25/2024 2:18:03	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL090924

Review By	Abdul	Review On	9/11/2024 11:44:26 AM
Supervise By	Ankita	Supervise On	9/11/2024 1:52:24 PM
SubDirectory	PL090924	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091567.D	09 Sep 2024 10:14	AR\AJ	Ok
2	I.BLK	PL091568.D	09 Sep 2024 14:50	AR\AJ	Ok
3	PEM	PL091569.D	09 Sep 2024 15:03	AR\AJ	Ok,M
4	RESCHK	PL091570.D	09 Sep 2024 15:17	AR\AJ	Ok,M
5	PSTDICC100	PL091571.D	09 Sep 2024 15:31	AR\AJ	Ok
6	PSTDICC075	PL091572.D	09 Sep 2024 15:44	AR\AJ	Ok,M
7	PSTDICC050	PL091573.D	09 Sep 2024 15:58	AR\AJ	Ok
8	PSTDICC025	PL091574.D	09 Sep 2024 16:11	AR\AJ	Ok,M
9	PSTDICC005	PL091575.D	09 Sep 2024 16:25	AR\AJ	Ok,M
10	PCHLORICC1000	PL091576.D	09 Sep 2024 16:39	AR\AJ	Ok
11	PCHLORICC750	PL091577.D	09 Sep 2024 16:52	AR\AJ	Ok
12	PCHLORICC500	PL091578.D	09 Sep 2024 17:06	AR\AJ	Ok
13	PCHLORICC250	PL091579.D	09 Sep 2024 17:19	AR\AJ	Ok
14	PCHLORICC050	PL091580.D	09 Sep 2024 17:33	AR\AJ	Ok,M
15	PTOXICC1000	PL091581.D	09 Sep 2024 17:47	AR\AJ	Ok
16	PTOXICC750	PL091582.D	09 Sep 2024 18:01	AR\AJ	Ok,M
17	PTOXICC500	PL091583.D	09 Sep 2024 18:14	AR\AJ	Ok,M
18	PTOXICC250	PL091584.D	09 Sep 2024 18:28	AR\AJ	Ok
19	PTOXICC100	PL091585.D	09 Sep 2024 18:42	AR\AJ	Ok,M
20	PSTDICV050	PL091586.D	09 Sep 2024 18:56	AR\AJ	Ok,M
21	PCHLORICV500	PL091587.D	09 Sep 2024 19:10	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL090924

Review By	Abdul	Review On	9/11/2024 11:44:26 AM
Supervise By	Ankita	Supervise On	9/11/2024 1:52:24 PM
SubDirectory	PL090924	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL091588.D	09 Sep 2024 19:23	AR\AJ	Ok
23	I.BLK	PL091589.D	09 Sep 2024 19:37	AR\AJ	Not Ok
24	PEM	PL091590.D	09 Sep 2024 19:51	AR\AJ	Ok,M
25	PSTDCCC050	PL091591.D	09 Sep 2024 20:05	AR\AJ	Ok,M
26	PB163178BS	PL091592.D	09 Sep 2024 20:18	AR\AJ	Not Ok
27	P3861-01	PL091593.D	09 Sep 2024 20:32	AR\AJ	Not Ok
28	PB163218BL	PL091594.D	09 Sep 2024 20:46	AR\AJ	Not Ok
29	PB163218BS	PL091595.D	09 Sep 2024 21:00	AR\AJ	Not Ok
30	P3888-01	PL091596.D	09 Sep 2024 21:13	AR\AJ	Not Ok
31	P3888-02	PL091597.D	09 Sep 2024 21:27	AR\AJ	Not Ok
32	P3888-02MS	PL091598.D	09 Sep 2024 21:41	AR\AJ	Not Ok
33	P3888-02MSD	PL091599.D	09 Sep 2024 21:55	AR\AJ	Not Ok
34	P3892-02	PL091600.D	09 Sep 2024 22:08	AR\AJ	Not Ok
35	I.BLK	PL091601.D	09 Sep 2024 22:22	AR\AJ	Ok,M
36	PSTDCCC050	PL091602.D	09 Sep 2024 22:36	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091024

Review By	Abdul	Review On	9/11/2024 9:23:53 AM
Supervise By	Ankita	Supervise On	9/12/2024 11:58:50 AM
SubDirectory	PL091024	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091603.D	10 Sep 2024 10:43	AR\AJ	Ok
2	I.BLK	PL091604.D	10 Sep 2024 10:57	AR\AJ	Ok
3	PEM	PL091605.D	10 Sep 2024 11:10	AR\AJ	Ok,M
4	PSTDCCC050	PL091606.D	10 Sep 2024 11:24	AR\AJ	Ok,M
5	PCHLORCCC500	PL091607.D	10 Sep 2024 11:56	AR\AJ	Ok,M
6	PTOXCCC500	PL091608.D	10 Sep 2024 12:12	AR\AJ	Ok,M
7	PB163178BS	PL091609.D	10 Sep 2024 12:26	AR\AJ	Ok,M
8	PB163229BL	PL091610.D	10 Sep 2024 12:40	AR\AJ	Ok
9	PB163229BS	PL091611.D	10 Sep 2024 12:57	AR\AJ	Ok,M
10	PB163229BSD	PL091612.D	10 Sep 2024 13:11	AR\AJ	Not Ok
11	P3845-09	PL091613.D	10 Sep 2024 13:25	AR\AJ	Not Ok
12	P3853-01	PL091614.D	10 Sep 2024 13:38	AR\AJ	Ok
13	PB163230BL	PL091615.D	10 Sep 2024 13:52	AR\AJ	Ok
14	PB163230BS	PL091616.D	10 Sep 2024 15:02	AR\AJ	Not Ok
15	P3845-11	PL091617.D	10 Sep 2024 15:16	AR\AJ	Not Ok
16	PB163231BL	PL091618.D	10 Sep 2024 15:29	AR\AJ	Ok
17	PB163231BS	PL091619.D	10 Sep 2024 15:43	AR\AJ	Ok
18	P3845-13	PL091620.D	10 Sep 2024 15:57	AR\AJ	Not Ok
19	P3845-13DL	PL091621.D	10 Sep 2024 16:23	AR\AJ	Not Ok
20	P3845-13DL2	PL091622.D	10 Sep 2024 16:43	AR\AJ	Not Ok
21	I.BLK	PL091623.D	10 Sep 2024 16:56	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091024

Review By	Abdul	Review On	9/11/2024 9:23:53 AM
Supervise By	Ankita	Supervise On	9/12/2024 11:58:50 AM
SubDirectory	PL091024	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PSTDCCC050	PL091624.D	10 Sep 2024 17:10	AR\AJ	Ok,M
23	PCHLORCCC500	PL091625.D	10 Sep 2024 17:24	AR\AJ	Ok,M
24	PTOXCCC500	PL091626.D	10 Sep 2024 17:54	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091952.D	23 Sep 2024 10:38	AR\AJ	Ok
2	I.BLK	PL091953.D	23 Sep 2024 10:52	AR\AJ	Ok
3	PEM	PL091954.D	23 Sep 2024 11:05	AR\AJ	Ok,M
4	RESCHK	PL091955.D	23 Sep 2024 11:19	AR\AJ	Ok
5	PSTDICC100	PL091956.D	23 Sep 2024 11:32	AR\AJ	Ok
6	PSTDICC075	PL091957.D	23 Sep 2024 11:45	AR\AJ	Ok
7	PSTDICC050	PL091958.D	23 Sep 2024 11:59	AR\AJ	Ok
8	PSTDICC025	PL091959.D	23 Sep 2024 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL091960.D	23 Sep 2024 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39	AR\AJ	Ok
11	PCHLORICC750	PL091962.D	23 Sep 2024 12:52	AR\AJ	Ok
12	PCHLORICC500	PL091963.D	23 Sep 2024 13:06	AR\AJ	Ok
13	PCHLORICC250	PL091964.D	23 Sep 2024 13:19	AR\AJ	Ok
14	PCHLORICC050	PL091965.D	23 Sep 2024 13:33	AR\AJ	Ok
15	PTOXICC1000	PL091966.D	23 Sep 2024 13:46	AR\AJ	Ok
16	PTOXICC750	PL091967.D	23 Sep 2024 13:59	AR\AJ	Ok
17	PTOXICC500	PL091968.D	23 Sep 2024 14:13	AR\AJ	Ok
18	PTOXICC250	PL091969.D	23 Sep 2024 14:26	AR\AJ	Ok
19	PTOXICC100	PL091970.D	23 Sep 2024 14:40	AR\AJ	Ok,M
20	PSTDICV050	PL091971.D	23 Sep 2024 14:53	AR\AJ	Ok
21	PCHLORICV500	PL091972.D	23 Sep 2024 15:20	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL091973.D	23 Sep 2024 15:47	AR\AJ	Ok
23	I.BLK	PL091974.D	23 Sep 2024 16:13	AR\AJ	Ok
24	PEM	PL091975.D	23 Sep 2024 16:27	AR\AJ	Ok,M
25	PSTDCCC050	PL091976.D	23 Sep 2024 16:40	AR\AJ	Ok,M
26	PB163572BL	PL091977.D	23 Sep 2024 16:54	AR\AJ	Ok
27	PB163572BS	PL091978.D	23 Sep 2024 17:07	AR\AJ	Ok,M
28	P4103-02	PL091979.D	23 Sep 2024 17:20	AR\AJ	Ok,M
29	P4103-02MS	PL091980.D	23 Sep 2024 17:34	AR\AJ	Ok,M
30	P4103-02MSD	PL091981.D	23 Sep 2024 17:47	AR\AJ	Ok,M
31	P4103-05	PL091982.D	23 Sep 2024 18:01	AR\AJ	Ok
32	P4103-08	PL091983.D	23 Sep 2024 18:14	AR\AJ	Ok,M
33	P4103-11	PL091984.D	23 Sep 2024 18:28	AR\AJ	Ok,M
34	P4103-14	PL091985.D	23 Sep 2024 18:41	AR\AJ	Ok,M
35	P4103-17	PL091986.D	23 Sep 2024 18:55	AR\AJ	Ok,M
36	PB163511TB	PL091987.D	23 Sep 2024 19:08	AR\AJ	Ok,M
37	I.BLK	PL091988.D	23 Sep 2024 19:21	AR\AJ	Ok,M
38	PSTDCCC050	PL091989.D	23 Sep 2024 19:35	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092424

Review By	Abdul	Review On	9/25/2024 10:49:05 AM
Supervise By	Ankita	Supervise On	9/25/2024 2:18:21 PM
SubDirectory	PL092424	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091990.D	24 Sep 2024 09:15	AR\AJ	Ok
2	I.BLK	PL091991.D	24 Sep 2024 09:28	AR\AJ	Ok
3	PEM	PL091992.D	24 Sep 2024 09:41	AR\AJ	Ok,M
4	PSTDCCC050	PL091993.D	24 Sep 2024 09:55	AR\AJ	Ok,M
5	PCHLORCCC500	PL091994.D	24 Sep 2024 12:02	AR\AJ	Ok,M
6	PTOXCCC500	PL091995.D	24 Sep 2024 12:16	AR\AJ	Ok
7	P3845-09	PL091996.D	24 Sep 2024 12:35	AR\AJ	Dilution
8	P3845-11	PL091997.D	24 Sep 2024 12:49	AR\AJ	Ok,M
9	P3845-13	PL091998.D	24 Sep 2024 13:02	AR\AJ	Dilution
10	P3845-09DL	PL091999.D	24 Sep 2024 13:19	AR\AJ	Dilution
11	P3845-09DL2	PL092000.D	24 Sep 2024 13:32	AR\AJ	Ok,M
12	P3845-13DL	PL092001.D	24 Sep 2024 13:54	AR\AJ	Ok,M
13	I.BLK	PL092002.D	24 Sep 2024 14:08	AR\AJ	Ok
14	PSTDCCC050	PL092003.D	24 Sep 2024 14:21	AR\AJ	Ok,M
15	PCHLORCCC500	PL092004.D	24 Sep 2024 14:35	AR\AJ	Ok
16	PTOXCCC500	PL092005.D	24 Sep 2024 14:48	AR\AJ	Ok
17	PB163645BL	PL092006.D	24 Sep 2024 15:01	AR\AJ	Ok
18	PB163645BS	PL092007.D	24 Sep 2024 15:32	AR\AJ	Not Ok
19	P4149-13	PL092008.D	24 Sep 2024 15:45	AR\AJ	Ok,M
20	P4149-14	PL092009.D	24 Sep 2024 15:59	AR\AJ	Dilution
21	P4149-15	PL092010.D	24 Sep 2024 16:12	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092424

Review By	Abdul	Review On	9/25/2024 10:49:05 AM
Supervise By	Ankita	Supervise On	9/25/2024 2:18:21 PM
SubDirectory	PL092424	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4149-15MS	PL092011.D	24 Sep 2024 16:26	AR\AJ	Ok,M
23	P4149-15MSD	PL092012.D	24 Sep 2024 16:39	AR\AJ	Ok,M
24	PB163645BS	PL092013.D	24 Sep 2024 16:52	AR\AJ	Ok,M
25	I.BLK	PL092014.D	24 Sep 2024 17:06	AR\AJ	Ok
26	PSTDCCC050	PL092015.D	24 Sep 2024 17:19	AR\AJ	Ok,M
27	P4142-01	PL092016.D	24 Sep 2024 05:46 pm	AR\AJ	Ok,M
28	P4146-01	PL092017.D	24 Sep 2024 18:00	AR\AJ	Ok,M
29	P4148-01	PL092018.D	24 Sep 2024 18:13	AR\AJ	Ok,M
30	P4150-01	PL092019.D	24 Sep 2024 18:27	AR\AJ	Ok
31	I.BLK	PL092020.D	24 Sep 2024 18:40	AR\AJ	Ok
32	PSTDCCC050	PL092021.D	24 Sep 2024 19:20	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL090924

Review By	Abdul	Review On	9/11/2024 11:44:26 AM	
Supervise By	Ankita	Supervise On	9/11/2024 1:52:24 PM	
SubDirectory	PL090924	HP Acquire Method	HP Processing Method	pl090924 8081
STD. NAME	STD REF.#			
Tune/Reschk	PP23282,PP23517			
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482			
CCC	PP23484,PP23489,PP23494			
Internal Standard/PEM				
ICV/I.BLK	PP23487,PP23497,PP23498			
Surrogate Standard				
MS/MSD Standard				
LCS Standard				

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091567.D	09 Sep 2024 10:14		AR\AJ	Ok
2	I.BLK	I.BLK	PL091568.D	09 Sep 2024 14:50		AR\AJ	Ok
3	PEM	PEM	PL091569.D	09 Sep 2024 15:03		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL091570.D	09 Sep 2024 15:17		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL091571.D	09 Sep 2024 15:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL091572.D	09 Sep 2024 15:44		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL091573.D	09 Sep 2024 15:58		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL091574.D	09 Sep 2024 16:11		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL091575.D	09 Sep 2024 16:25		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL091576.D	09 Sep 2024 16:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL091577.D	09 Sep 2024 16:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL091578.D	09 Sep 2024 17:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL091579.D	09 Sep 2024 17:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL091580.D	09 Sep 2024 17:33		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL091581.D	09 Sep 2024 17:47		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL091582.D	09 Sep 2024 18:01		AR\AJ	Ok,M
17	PTOXICC500	PTOXICC500	PL091583.D	09 Sep 2024 18:14		AR\AJ	Ok,M
18	PTOXICC250	PTOXICC250	PL091584.D	09 Sep 2024 18:28		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL090924

Review By	Abdul	Review On	9/11/2024 11:44:26 AM
Supervise By	Ankita	Supervise On	9/11/2024 1:52:24 PM
SubDirectory	PL090924	HP Acquire Method	HP Processing Method
			pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL091585.D	09 Sep 2024 18:42		AR\AJ	Ok,M
20	PSTDICV050	ICVPL090924	PL091586.D	09 Sep 2024 18:56		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL090924	PL091587.D	09 Sep 2024 19:10		AR\AJ	Ok
22	PTOXICV500	ICVPL090924	PL091588.D	09 Sep 2024 19:23		AR\AJ	Ok
23	I.BLK	I.BLK	PL091589.D	09 Sep 2024 19:37	F flag coming in second column tcmx, surrogate high in dcb and tcmx in 1st column	AR\AJ	Not Ok
24	PEM	PEM	PL091590.D	09 Sep 2024 19:51		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL091591.D	09 Sep 2024 20:05		AR\AJ	Ok,M
26	PB163178BS	PB163178BS	PL091592.D	09 Sep 2024 20:18		AR\AJ	Not Ok
27	P3861-01	DN-B-37	PL091593.D	09 Sep 2024 20:32		AR\AJ	Not Ok
28	PB163218BL	PB163218BL	PL091594.D	09 Sep 2024 20:46		AR\AJ	Not Ok
29	PB163218BS	PB163218BS	PL091595.D	09 Sep 2024 21:00		AR\AJ	Not Ok
30	P3888-01	DN-B-36	PL091596.D	09 Sep 2024 21:13	need 2x dilution	AR\AJ	Not Ok
31	P3888-02	DN-W-02	PL091597.D	09 Sep 2024 21:27		AR\AJ	Not Ok
32	P3888-02MS	DN-W-02MS	PL091598.D	09 Sep 2024 21:41		AR\AJ	Not Ok
33	P3888-02MSD	DN-W-02MSD	PL091599.D	09 Sep 2024 21:55		AR\AJ	Not Ok
34	P3892-02	ARS20-005	PL091600.D	09 Sep 2024 22:08	typo P3892-01	AR\AJ	Not Ok
35	I.BLK	I.BLK	PL091601.D	09 Sep 2024 22:22	TCMX HIGH in both column	AR\AJ	Ok,M
36	PSTDCCC050	PSTDCCC050	PL091602.D	09 Sep 2024 22:36		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091024

Review By	Abdul	Review On	9/11/2024 9:23:53 AM
Supervise By	Ankita	Supervise On	9/12/2024 11:58:50 AM
SubDirectory	PL091024	HP Acquire Method	HP Processing Method p1090924 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482
CCC	PP23484,PP23489,PP23494
Internal Standard/PEM	
ICV/I.BLK	PP23487,PP23497,PP23498
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091603.D	10 Sep 2024 10:43		AR\AJ	Ok
2	I.BLK	I.BLK	PL091604.D	10 Sep 2024 10:57		AR\AJ	Ok
3	PEM	PEM	PL091605.D	10 Sep 2024 11:10		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL091606.D	10 Sep 2024 11:24		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL091607.D	10 Sep 2024 11:56		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL091608.D	10 Sep 2024 12:12		AR\AJ	Ok,M
7	PB163178BS	PB163178BS	PL091609.D	10 Sep 2024 12:26		AR\AJ	Ok,M
8	PB163229BL	PB163229BL	PL091610.D	10 Sep 2024 12:40		AR\AJ	Ok
9	PB163229BS	PB163229BS	PL091611.D	10 Sep 2024 12:57		AR\AJ	Ok,M
10	PB163229BSD	PB163229BSD	PL091612.D	10 Sep 2024 13:11	Recovery fail	AR\AJ	Not Ok
11	P3845-09	PT-PEST-WP	PL091613.D	10 Sep 2024 13:25	not used	AR\AJ	Not Ok
12	P3853-01	252805	PL091614.D	10 Sep 2024 13:38		AR\AJ	Ok
13	PB163230BL	PB163230BL	PL091615.D	10 Sep 2024 13:52		AR\AJ	Ok
14	PB163230BS	PB163230BS	PL091616.D	10 Sep 2024 15:02	Recovery fail	AR\AJ	Not Ok
15	P3845-11	PT-CHLR-WP	PL091617.D	10 Sep 2024 15:16	not used	AR\AJ	Not Ok
16	PB163231BL	PB163231BL	PL091618.D	10 Sep 2024 15:29		AR\AJ	Ok
17	PB163231BS	PB163231BS	PL091619.D	10 Sep 2024 15:43		AR\AJ	Ok
18	P3845-13	PT-TXP-WP	PL091620.D	10 Sep 2024 15:57	not used	AR\AJ	Not Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL091024

Review By	Abdul	Review On	9/11/2024 9:23:53 AM
Supervise By	Ankita	Supervise On	9/12/2024 11:58:50 AM
SubDirectory	PL091024	HP Acquire Method	HP Processing Method pl090924 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,PP23481,PP23482		
CCC	PP23484,PP23489,PP23494		
Internal Standard/PEM			
ICV/I.BLK	PP23487,PP23497,PP23498		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P3845-13DL	PT-TXP-WPDL	PL091621.D	10 Sep 2024 16:23	not used	AR\AJ	Not Ok
20	P3845-13DL2	PT-TXP-WPDL2	PL091622.D	10 Sep 2024 16:43	Not required.	AR\AJ	Not Ok
21	I.BLK	I.BLK	PL091623.D	10 Sep 2024 16:56		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PL091624.D	10 Sep 2024 17:10		AR\AJ	Ok,M
23	PCHLORCCC500	PCHLORCCC500	PL091625.D	10 Sep 2024 17:24		AR\AJ	Ok,M
24	PTOXCCC500	PTOXCCC500	PL091626.D	10 Sep 2024 17:54		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method p092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091952.D	23 Sep 2024 10:38		AR\AJ	Ok
2	I.BLK	I.BLK	PL091953.D	23 Sep 2024 10:52		AR\AJ	Ok
3	PEM	PEM	PL091954.D	23 Sep 2024 11:05		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL091955.D	23 Sep 2024 11:19		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL091956.D	23 Sep 2024 11:32		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL091957.D	23 Sep 2024 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL091958.D	23 Sep 2024 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL091959.D	23 Sep 2024 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL091960.D	23 Sep 2024 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL091962.D	23 Sep 2024 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL091963.D	23 Sep 2024 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL091964.D	23 Sep 2024 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL091965.D	23 Sep 2024 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL091966.D	23 Sep 2024 13:46		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL091967.D	23 Sep 2024 13:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL091968.D	23 Sep 2024 14:13		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL091969.D	23 Sep 2024 14:26		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL091970.D	23 Sep 2024 14:40		AR\AJ	Ok,M
20	PSTDICV050	ICVPL092324	PL091971.D	23 Sep 2024 14:53		AR\AJ	Ok
21	PCHLORICV500	ICVPL092324CHLOR	PL091972.D	23 Sep 2024 15:20		AR\AJ	Ok
22	PTOXICV500	ICVPL092324TOX	PL091973.D	23 Sep 2024 15:47		AR\AJ	Ok
23	I.BLK	I.BLK	PL091974.D	23 Sep 2024 16:13		AR\AJ	Ok
24	PEM	PEM	PL091975.D	23 Sep 2024 16:27		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL091976.D	23 Sep 2024 16:40		AR\AJ	Ok,M
26	PB163572BL	PB163572BL	PL091977.D	23 Sep 2024 16:54		AR\AJ	Ok
27	PB163572BS	PB163572BS	PL091978.D	23 Sep 2024 17:07		AR\AJ	Ok,M
28	P4103-02	WC-22A	PL091979.D	23 Sep 2024 17:20	TCMX low 1st column	AR\AJ	Ok,M
29	P4103-02MS	WC-22AMS	PL091980.D	23 Sep 2024 17:34	TCMX low 1st column	AR\AJ	Ok,M
30	P4103-02MSD	WC-22AMSD	PL091981.D	23 Sep 2024 17:47	TCMX low 1st column	AR\AJ	Ok,M
31	P4103-05	WC-14-5-7.5A	PL091982.D	23 Sep 2024 18:01		AR\AJ	Ok
32	P4103-08	WC-14-5-7.5B	PL091983.D	23 Sep 2024 18:14		AR\AJ	Ok,M
33	P4103-11	WC-14-7.5-10A	PL091984.D	23 Sep 2024 18:28		AR\AJ	Ok,M
34	P4103-14	WC-14-7.5-10B	PL091985.D	23 Sep 2024 18:41		AR\AJ	Ok,M
35	P4103-17	WC-23	PL091986.D	23 Sep 2024 18:55		AR\AJ	Ok,M
36	PB163511TB	PB163511TB	PL091987.D	23 Sep 2024 19:08		AR\AJ	Ok,M
37	I.BLK	I.BLK	PL091988.D	23 Sep 2024 19:21		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			
38	PSTDCCC050	PSTDCCC050	PL091989.D
			23 Sep 2024 19:35
			ARIAJ
			Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092424

Review By	Abdul	Review On	9/25/2024 10:49:05 AM
Supervise By	Ankita	Supervise On	9/25/2024 2:18:21 PM
SubDirectory	PL092424	HP Acquire Method	HP Processing Method p1092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091990.D	24 Sep 2024 09:15		AR\AJ	Ok
2	I.BLK	I.BLK	PL091991.D	24 Sep 2024 09:28		AR\AJ	Ok
3	PEM	PEM	PL091992.D	24 Sep 2024 09:41		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL091993.D	24 Sep 2024 09:55		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL091994.D	24 Sep 2024 12:02		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL091995.D	24 Sep 2024 12:16		AR\AJ	Ok
7	P3845-09	PT-PEST-WP	PL091996.D	24 Sep 2024 12:35	TCMX high in 1st column, Need dilution	AR\AJ	Dilution
8	P3845-11	PT-CHLR-WP	PL091997.D	24 Sep 2024 12:49	TCMX high in 2nd column	AR\AJ	Ok,M
9	P3845-13	PT-TXP-WP	PL091998.D	24 Sep 2024 13:02	Need Dilution	AR\AJ	Dilution
10	P3845-09DL	PT-PEST-WPDL	PL091999.D	24 Sep 2024 13:19	TCMX high in first column , need dilution.	AR\AJ	Dilution
11	P3845-09DL2	PT-PEST-WPDL2	PL092000.D	24 Sep 2024 13:32	TCMX high in first column	AR\AJ	Ok,M
12	P3845-13DL	PT-TXP-WPDL	PL092001.D	24 Sep 2024 13:54		AR\AJ	Ok,M
13	I.BLK	I.BLK	PL092002.D	24 Sep 2024 14:08		AR\AJ	Ok
14	PSTDCCC050	PSTDCCC050	PL092003.D	24 Sep 2024 14:21		AR\AJ	Ok,M
15	PCHLORCCC500	PCHLORCCC500	PL092004.D	24 Sep 2024 14:35		AR\AJ	Ok
16	PTOXCCC500	PTOXCCC500	PL092005.D	24 Sep 2024 14:48		AR\AJ	Ok
17	PB163645BL	PB163645BL	PL092006.D	24 Sep 2024 15:01		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092424

Review By	Abdul	Review On	9/25/2024 10:49:05 AM
Supervise By	Ankita	Supervise On	9/25/2024 2:18:21 PM
SubDirectory	PL092424	HP Acquire Method	HP Processing Method
			pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PB163645BS	PB163645BS	PL092007.D	24 Sep 2024 15:32	Some compound Recovery fail	AR\AJ	Not Ok
19	P4149-13	COMP-6	PL092008.D	24 Sep 2024 15:45		AR\AJ	Ok,M
20	P4149-14	COMP-7	PL092009.D	24 Sep 2024 15:59	Need dilution	AR\AJ	Dilution
21	P4149-15	COMP-8	PL092010.D	24 Sep 2024 16:12		AR\AJ	Ok,M
22	P4149-15MS	COMP-8MS	PL092011.D	24 Sep 2024 16:26		AR\AJ	Ok,M
23	P4149-15MSD	COMP-8MSD	PL092012.D	24 Sep 2024 16:39		AR\AJ	Ok,M
24	PB163645BS	PB163645BS	PL092013.D	24 Sep 2024 16:52		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL092014.D	24 Sep 2024 17:06		AR\AJ	Ok
26	PSTDCCC050	PSTDCCC050	PL092015.D	24 Sep 2024 17:19		AR\AJ	Ok,M
27	P4142-01	OR-02-09202024	PL092016.D	24 Sep 2024 05:46 pm		AR\AJ	Ok,M
28	P4146-01	CL-02-092024	PL092017.D	24 Sep 2024 18:00		AR\AJ	Ok,M
29	P4148-01	STOCK-PILE	PL092018.D	24 Sep 2024 18:13		AR\AJ	Ok,M
30	P4150-01	OK-02-09132024	PL092019.D	24 Sep 2024 18:27		AR\AJ	Ok
31	I.BLK	I.BLK	PL092020.D	24 Sep 2024 18:40		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PL092021.D	24 Sep 2024 19:20		AR\AJ	Ok,M

M : Manual Integration

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: Florisil **Extraction Start Date :** 09/09/2024

Matrix : Water **Extraction Start Time :** 10:15

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 09/09/2024

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 15:15

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** RS

pH Strip Lot#: E3574 **Hood ID:** 4,6,7 **Supervisor By :** rajesh

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	2.0ML	1000 PPB	PP23533
Surrogate	1.0ML	200 PPB	PP23608
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
Methylene Chloride	N/A	E3790
Baked Na2SO4	N/A	EP2532
Hexane	N/A	E3789
Florisil	N/A	E3713
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NE VAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/09/24	RP (EPA Lab)	Y.P. Pest + IPGB.
15:20	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 09/09/2024

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163231BL	PBLK231	PESTICIDE Group3	1000	6	RUPESH	ritesh	10			SEP-9
PB163231BS	PLCS231	PESTICIDE Group3	1000	6	RUPESH	ritesh	10			10
P3845-13	PT-TXP-WP	PESTICIDE Group3	1000	6	RUPESH	ritesh	10			11

* Extracts relinquished on the same date as received.

STG/24

P3845-PESTICIDE Group3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p3845 WorkList ID : 183286 Department : Extraction Date : 09-09-2024 10:03:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3845-09	PT-PEST-WP	Water	PESTICIDE Group1	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8081B
P3845-11	PT-CHLR-WP	Water	PESTICIDE Group2	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8081B
P3845-13	PT-TXP-WP	Water	PESTICIDE Group3	Cool 4 deg C	CHEM02	QA Of	09/03/2024	8081B
P3853-01	252805	Water	Pesticide-TCL	Cool 4 deg C	PSEG03	H53	09/05/2024	8081B

Date/Time 09/09/24 10:10
Raw Sample Received by: RS (Det Lab)
Raw Sample Relinquished by: RS (Det Lab)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Prep Standard - Chemical Standard Summary

Order ID : P3845
Test : PESTICIDE Group3
Prepbatch ID : PB163231,
Sequence ID/Qc Batch ID: pl091024,PL092424,

Standard ID :

EP2532,PP23215,PP23282,PP23472,PP23473,PP23474,PP23475,PP23476,PP23477,PP23478,PP23479,PP23480,P
P23481,PP23482,PP23484,PP23487,PP23489,PP23494,PP23497,PP23498,PP23517,PP23533,PP23608,PP23673,P
P23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,P
P23690,PP23693,PP23695,PP23698,

Chemical ID :

E3551,E3713,E3735,E3762,E3769,E3770,E3772,E3789,E3790,E3792,P11065,P11145,P11146,P11815,P11895,P11896
,P12599,P12810,P12812,P12814,P13035,P13036,P13039,P13244,P13349,P13358,P13359,P13402,P9051,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2532	08/30/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/30/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23215	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel 04/22/2024

FROM 1.00000ml of P12810 + 9.00000ml of E3735 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP23282	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 99.90000ml of E3735 + 0.10000ml of PP23215 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23472	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 1.00000ml of P12812 + 9.00000ml of E3762 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP23473	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 1.00000ml of P11065 + 9.00000ml of E3762 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP23474	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 1.00000ml of P13035 + 9.00000ml of E3762 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP23475	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 0.20000ml of P9051 + 9.80000ml of E3762 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP23476	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 0.20000ml of P11145 + 9.80000ml of E3762 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23477	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 98.50000ml of E3762 + 0.50000ml of PP23472 + 0.50000ml of PP23473 + 0.50000ml of PP23475 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23478	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 98.50000ml of E3762 + 0.50000ml of PP23472 + 0.50000ml of PP23474 + 0.50000ml of PP23476 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP23479	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/21/2024								

FROM 0.10000ml of P11895 + 99.40000ml of E3762 + 0.50000ml of PP23472 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP23480	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/21/2024								

FROM 0.10000ml of P12599 + 99.40000ml of E3762 + 0.50000ml of PP23472 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP23481	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 0.10000ml of P11815 + 99.40000ml of E3762 + 0.50000ml of PP23472 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP23482	06/20/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/21/2024

FROM 0.10000ml of P13358 + 99.40000ml of E3762 + 0.50000ml of PP23472 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP23484	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani 06/24/2024

FROM 0.50000ml of E3762 + 0.50000ml of PP23477 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP23487	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani 06/24/2024

FROM 0.50000ml of E3762 + 0.50000ml of PP23478 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP23489	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/24/2024								

FROM 0.50000ml of E3762 + 0.50000ml of PP23479 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP23494	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/24/2024								

FROM 0.50000ml of E3762 + 0.50000ml of PP23481 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP23497	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/24/2024								

FROM 0.50000ml of E3762 + 0.50000ml of PP23480 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP23498	06/24/2024	12/18/2024	Abdul Mirza	None	None	Ankita Jodhani
06/24/2024								

FROM 0.50000ml of E3762 + 0.50000ml of PP23482 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP23517	07/12/2024	01/12/2025	Abdul Mirza	None	None	Ankita Jodhani
07/16/2024								

FROM 1.00000ml of E3770 + 99.00000ml of P13244 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP23533	07/26/2024	12/20/2024	Abdul Mirza	None	None	Ankita Jodhani
07/30/2024								

FROM 0.10000ml of P13358 + 99.90000ml of E3769 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP23608	08/08/2024	02/01/2025	Abdul Mirza	None	None	Ankita Jodhani
								08/08/2024

FROM 1.00000ml of P12814 + 999.00000ml of E3772 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23673	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13349 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP23674	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP23676	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP23677	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23678	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23679	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP23681	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP23682	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP23683	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP23686	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23678 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP23687	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23679 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP23690	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23680 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP23693	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23681 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP23695	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23682 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP23698	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
10/01/2024								

FROM 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml

CHEMICAL RECEIPT LOG BOOK

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	01/03/2025	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 #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml, 30PK	M06485	10/08/2024	04/08/2024 / Rajesh	03/08/2024 / Rajesh	E3713

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)	24C1862008	10/22/2024	04/22/2024 / Rajesh	04/19/2024 / Rajesh	E3735

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)	24C1862008	12/18/2024	06/18/2024 / Rajesh	06/17/2024 / Rajesh	E3762

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)	23H1462005	01/12/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3769

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)	24C1862008	04/15/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

CHEMICAL RECEIPT LOG BOOK

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)	22L2862006	02/01/2025	08/01/2024 / Rajesh	07/19/2024 / Rajesh	E3772

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)	24C1862008	02/13/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3789

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862022	02/26/2025	08/26/2024 / Rajesh	08/07/2024 / Rajesh	E3790

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)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

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	A0168439	12/20/2024	06/20/2024 / Abdul	09/29/2021 / Abdul	P11065

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	12/20/2024	06/20/2024 / Abdul	10/29/2021 / Abdul	P11145

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	03/21/2025	09/21/2024 / Abdul	10/29/2021 / Abdul	P11146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0177326	12/20/2024	06/20/2024 / Abdul	06/17/2022 / Ankita	P11815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0181737	12/20/2024	06/20/2024 / Abdul	06/17/2022 / Abdul	P11895

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0181737	03/21/2025	09/21/2024 / Abdul	06/17/2022 / Abdul	P11896

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	12/20/2024	06/20/2024 / Abdul	07/03/2023 / Abdul	P12599

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	A0200112	10/22/2024	04/22/2024 / Ankita	09/25/2023 / Abdul	P12810

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0200112	12/20/2024	06/20/2024 / Abdul	09/25/2023 / Abdul	P12812

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	A0200112	02/08/2025	08/08/2024 / Abdul	09/25/2023 / Abdul	P12814

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	12/20/2024	06/20/2024 / Abdul	12/26/2023 / Abdul	P13035

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	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13036

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	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13039

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	01/12/2025	07/12/2024 / Abdul	02/09/2024 / Abdul	P13244

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	03/21/2025	09/21/2024 / Abdul	04/22/2024 / Abdul	P13349

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	12/20/2024	06/20/2024 / Abdul	05/03/2024 / Abdul	P13358

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	03/21/2025	09/21/2024 / Abdul	05/03/2024 / Abdul	P13359

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	03/21/2025	09/21/2024 / Abdul	05/15/2024 / Abdul	P13402

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	12/20/2024	06/20/2024 / Abdul	11/01/2019 / Stephen	P9051



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



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. : 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

P12596
↓
P12602
⑦
Kauf
7/3/2023

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

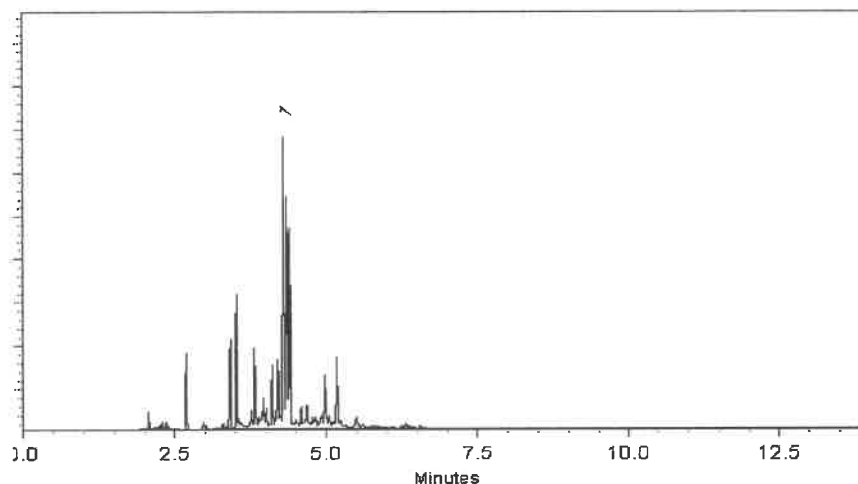
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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



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



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.:** A0200112

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, 2029 **Storage:** 10°C or colder

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

P 12806
P 12815
9/25/2023

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%	201.3 µg/mL	+/- 11.1676
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.5 µg/mL	+/- 11.1787

* 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:

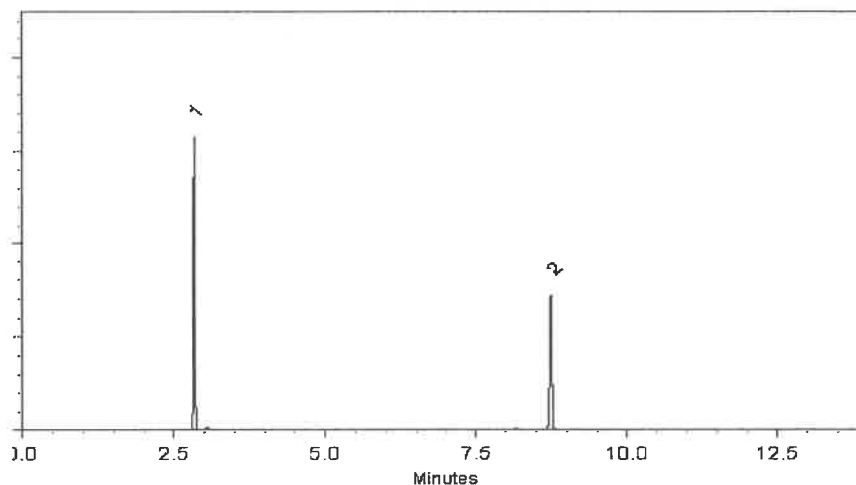
ECD

Split Vent:

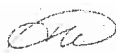
10 ml/min.

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.


Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

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

P12806 } (10)
↓
P12815
/


9/25/2023



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



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.:** A0200112
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, 2029 **Storage:** 10°C or colder
Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P 12806 / 10
P 12815 / 1
V. R. AUF
9/25/2023

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%	201.3 µg/mL	+/- 11.1676
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.5 µg/mL	+/- 11.1787

* 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:

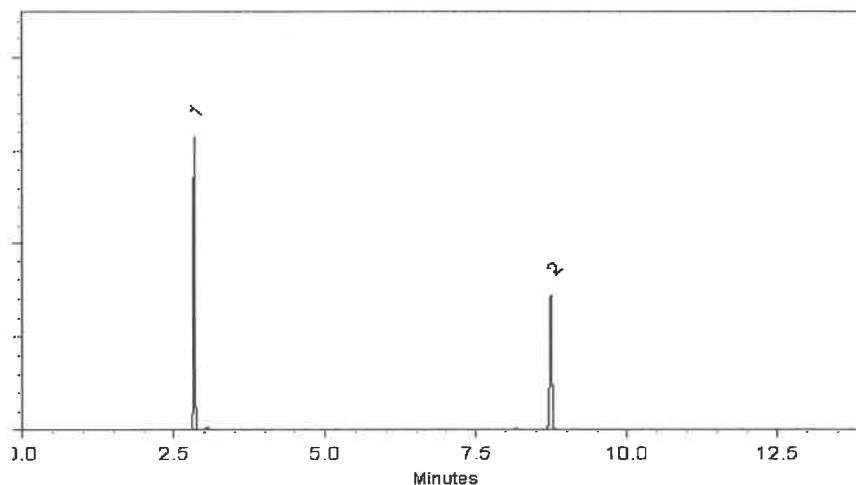
ECD

Split Vent:

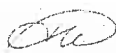
10 ml/min.

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.


Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

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

P12806 } (10)
↓
P12815
/


9/25/2023



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



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.:** A0200112

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, 2029 **Storage:** 10°C or colder

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

P 12806
P 12815
9/25/2023

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%	201.3 µg/mL	+/- 11.1676
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.5 µg/mL	+/- 11.1787

* 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:

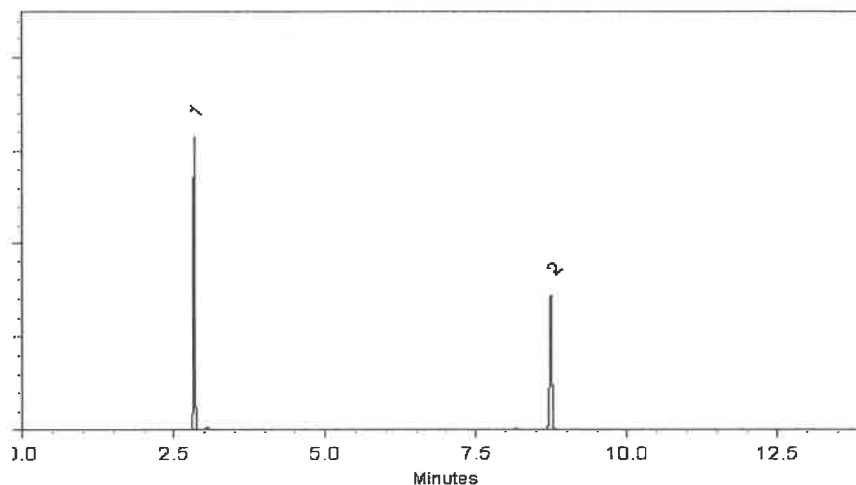
ECD

Split Vent:

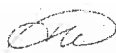
10 ml/min.

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.


Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

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

P12806 } (10)
↓
P12815
1


9/25/2023



**PRODUCTOS
QUÍMICOS
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 ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %
COMMENTS		
QC: PhC Irma Belmares		

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

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
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 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	0.4 ppm
Substances Darkened by H ₂ SO 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 4/19/24

E3735

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
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 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	0.4 ppm
Substances Darkened by H ₂ SO 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 6/11/24

E 3762

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

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 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

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 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 22L2862006
Manufactured Date: 2022-12-19
Expiration Date: 2025-12-18
Revision No.: 0

Certificate of Analysis

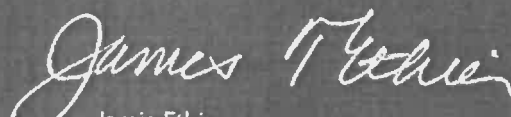
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	4

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 7/19/24

E3772


Jamie Ethier
Vice President Global Quality

Material No.: 94
Batch No.: 24C186
Manufactured Date: 2024
Expiration Date: 2025
Revision: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
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	0.4 ppm
Substances Darkened by H ₂ SO 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 8/13/24

E 3789



Jamie Croak
Director Quality Operations, Bioscience Products

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

Page 1 of 1

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24G0862022
Manufactured Date: 2024-06-05
Expiration Date: 2025-09-04
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	4
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F05012

E 3790

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
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 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	0.4 ppm
Substances Darkened by H ₂ SO 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 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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. : 32021 **Lot No.:** A0181737

Description : Chlordane Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Chlordane CAS # 57-74-9 Purity ----%	1,006.0 µg/mL (Lot 978545)	+/- 5.9753 µg/mL Gravimetric +/- 31.8975 µg/mL Unstressed +/- 41.6615 µg/mL Stressed

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

Tech Tips:

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

P 11892
↓
P 11896
5

06/17/2022

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

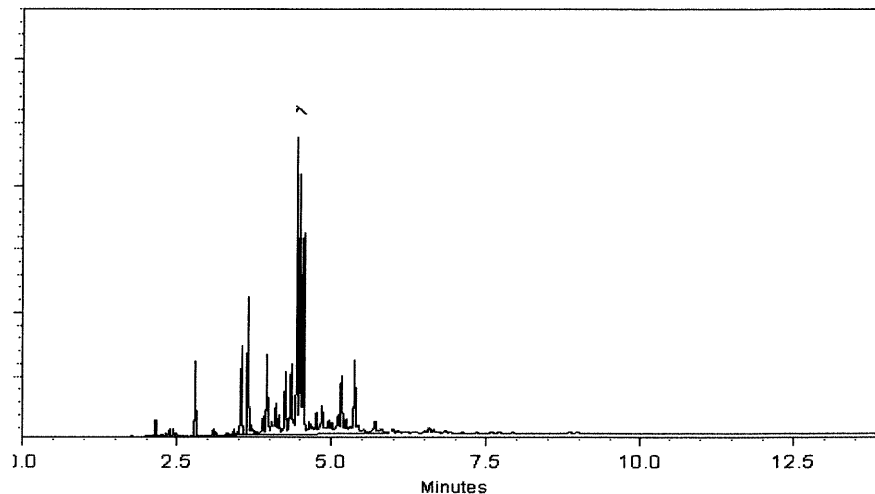
Carrier Gas:
helium-constant pressure 20 psi.

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

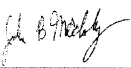
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

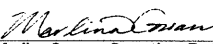


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlina Cowan - Operations Tech I

Date Passed: 24-Feb-2022

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

P 11892 / (5)
↓
P 11896 / 1


06/17/2022



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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. : 32021 **Lot No.:** A0181737

Description : Chlordane Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Chlordane CAS # 57-74-9 Purity ----%	1,006.0 µg/mL (Lot 978545)	+/- 5.9753 µg/mL Gravimetric +/- 31.8975 µg/mL Unstressed +/- 41.6615 µg/mL Stressed

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

Tech Tips:

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

P 11892
↓
P 11896
5

06/17/2022

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

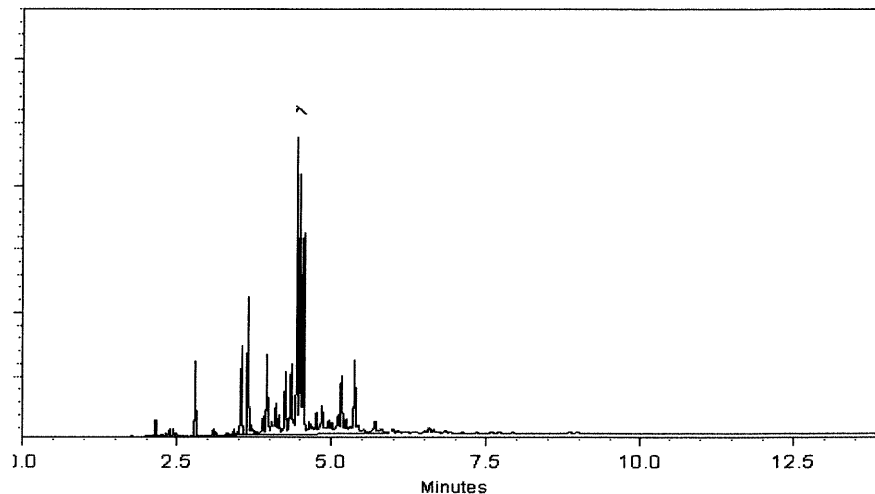
Carrier Gas:
helium-constant pressure 20 psi.

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

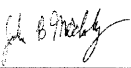
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

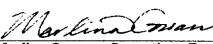


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlina Cowan - Operations Tech I

Date Passed: 24-Feb-2022

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

P 11892 / (5)
↓
P 11896 / 1


06/17/2022



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



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. : 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

P130397 5
↓
P13043 1
✓
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%

P13039
 ↓
 P13043
 1
 5
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 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.)

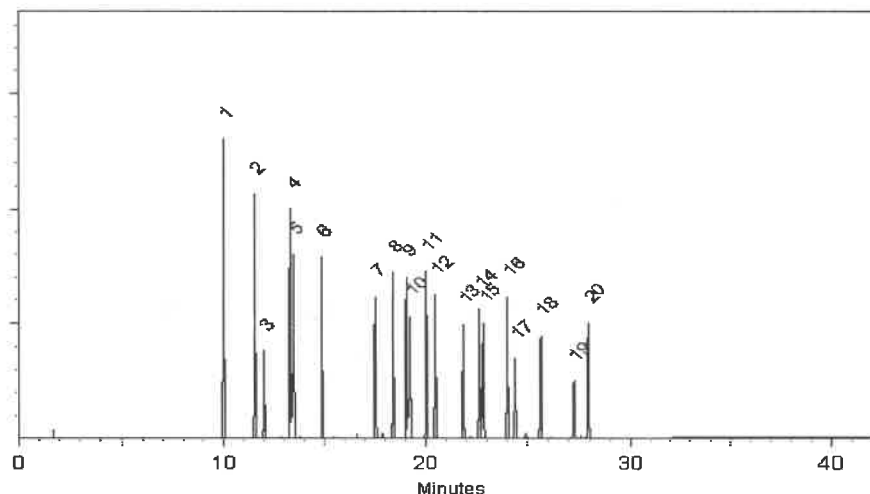
Inj. Temp:
 200°C

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
 Josh McCloskey - Operations Technician I

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

Jennifer Pollino
 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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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. : 32291 **Lot No.:** A0168439

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 : January 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

P11061
↓
P11065
AR
9/30/2021

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	alpha-BHC CAS # 319-84-6 (Lot 0012018BHC) Purity 99%	200.5 µg/mL	+/- 1.4217 µg/mL +/- 9.1674 µg/mL +/- 13.2104 µg/mL	Gravimetric Unstressed Stressed
2	gamma-BHC (Lindane) CAS # 58-89-9 (Lot 10972000) Purity 97%	200.8 µg/mL	+/- 1.4238 µg/mL +/- 9.1807 µg/mL +/- 13.2295 µg/mL	Gravimetric Unstressed Stressed
3	beta-BHC CAS # 319-85-7 (Lot SL210106) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 9.1446 µg/mL +/- 13.1774 µg/mL	Gravimetric Unstressed Stressed
4	delta-BHC CAS # 319-86-8 (Lot ER02101401) Purity 98%	199.9 µg/mL	+/- 1.4176 µg/mL +/- 9.1409 µg/mL +/- 13.1722 µg/mL	Gravimetric Unstressed Stressed
5	Heptachlor CAS # 76-44-8 (Lot 0006540595) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 9.1446 µg/mL +/- 13.1774 µg/mL	Gravimetric Unstressed Stressed
6	Aldrin CAS # 309-00-2 (Lot 11129800) Purity 97%	199.8 µg/mL	+/- 1.4169 µg/mL +/- 9.1363 µg/mL +/- 13.1656 µg/mL	Gravimetric Unstressed Stressed
7	Heptachlor epoxide (isomer B) CAS # 1024-57-3 (Lot 10039000) Purity 99%	200.5 µg/mL	+/- 1.4217 µg/mL +/- 9.1674 µg/mL +/- 13.2104 µg/mL	Gravimetric Unstressed Stressed

8	trans-Chlordane CAS # 5103-74-2 Purity 99%	(Lot 32095)	200.5 µg/mL	+/- +/- +/-	1.4217 9.1674 13.2104	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	cis-Chlordane CAS # 5103-71-9 Purity 99%	(Lot 31707)	200.0 µg/mL	+/- +/- +/-	1.4182 9.1446 13.1774	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Endosulfan I CAS # 959-98-8 Purity 99%	(Lot BCBS8631)	200.5 µg/mL	+/- +/- +/-	1.4217 9.1674 13.2104	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	4,4'-DDE CAS # 72-55-9 Purity 99%	(Lot GHYQG)	200.0 µg/mL	+/- +/- +/-	1.4182 9.1446 13.1774	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	Dieldrin CAS # 60-57-1 Purity 98%	(Lot 10714300)	200.4 µg/mL	+/- +/- +/-	1.4211 9.1633 13.2045	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	Endrin CAS # 72-20-8 Purity 98%	(Lot 11129700)	199.9 µg/mL	+/- +/- +/-	1.4176 9.1409 13.1722	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	4,4'-DDD CAS # 72-54-8 Purity 99%	(Lot HAN02)	200.5 µg/mL	+/- +/- +/-	1.4217 9.1674 13.2104	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Endosulfan II CAS # 33213-65-9 Purity 99%	(Lot 11129400)	201.0 µg/mL	+/- +/- +/-	1.4253 9.1903 13.2433	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	4,4'-DDT CAS # 50-29-3 Purity 99%	(Lot S37912V)	200.0 µg/mL	+/- +/- +/-	1.4182 9.1446 13.1774	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Endrin aldehyde CAS # 7421-93-4 Purity 98%	(Lot 30455)	200.9 µg/mL	+/- +/- +/-	1.4245 9.1857 13.2367	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Endosulfan sulfate CAS # 1031-07-8 Purity 99%	(Lot BCCB0424)	200.0 µg/mL	+/- +/- +/-	1.4182 9.1446 13.1774	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Methoxychlor CAS # 72-43-5 Purity 97%	(Lot 10720900)	199.8 µg/mL	+/- +/- +/-	1.4169 9.1363 13.1656	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Endrin ketone CAS # 53494-70-5 Purity 97%	(Lot 11129600)	199.8 µg/mL	+/- +/- +/-	1.4169 9.1363 13.1656	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
Solvent: Hexane/Toluene (50:50) CAS # 110-54-3/108-88-3 Purity 99%							

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

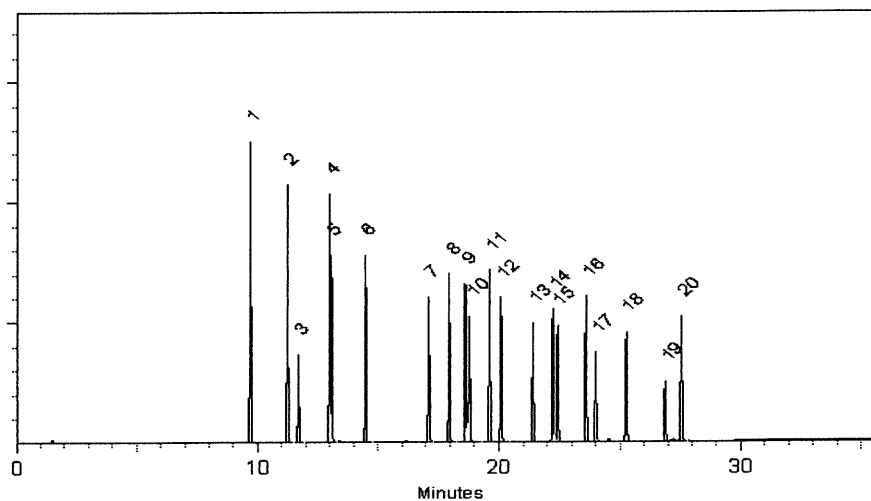
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

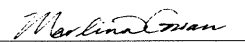


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Matt Fragassi - Mix Technician

Date Mixed: 25-Jan-2021

Balance: 1128342314


Marlene Cowan - Operations Tech I

Date Passed: 29-Jan-2021

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

P11061
↓
P11065
AR
9/30/2021

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

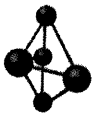
- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



CERTIFIED WEIGHT REPORT

Part Number:	
Lot Number:	
Description:	

79136
102821
Mirex

Solvent(s):	Lot#
Acetone	81025

Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)

Nominal Concentration ($\mu\text{g/mL}$):
NIST Test ID#:

Weight(s) shown below were combined and diluted to (mL):

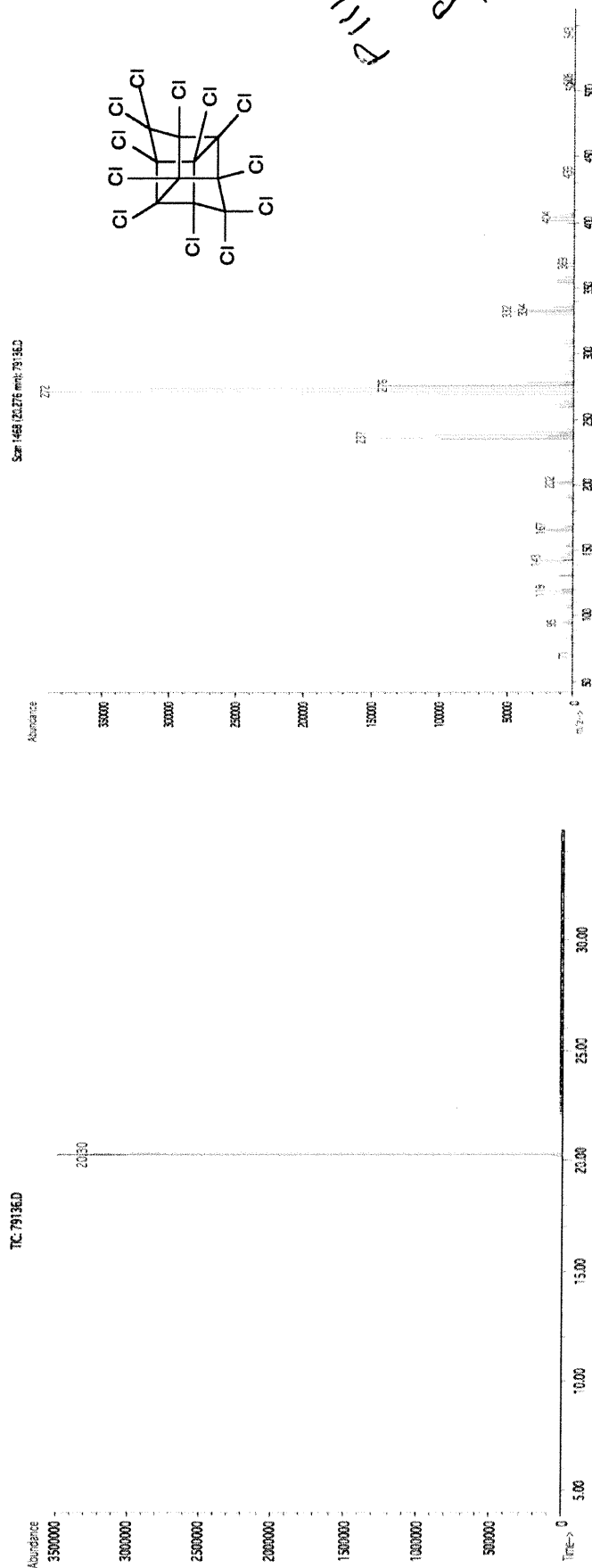
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

	102821
Formulated By: <u>Eli Allaga</u>	DATE
	102821
Reviewed By: <u>Pedro L. Rentas</u>	DATE

SDS Information

[illegible][illegible]

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.

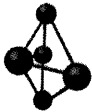


* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.

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).



Certified Reference Material CRM



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

CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

79136
102821
Mirex

Solvent(s):
Acetone

Lot#
81025

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

102826
Refrigerate (4 °C)
1000
6UTB

5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL):

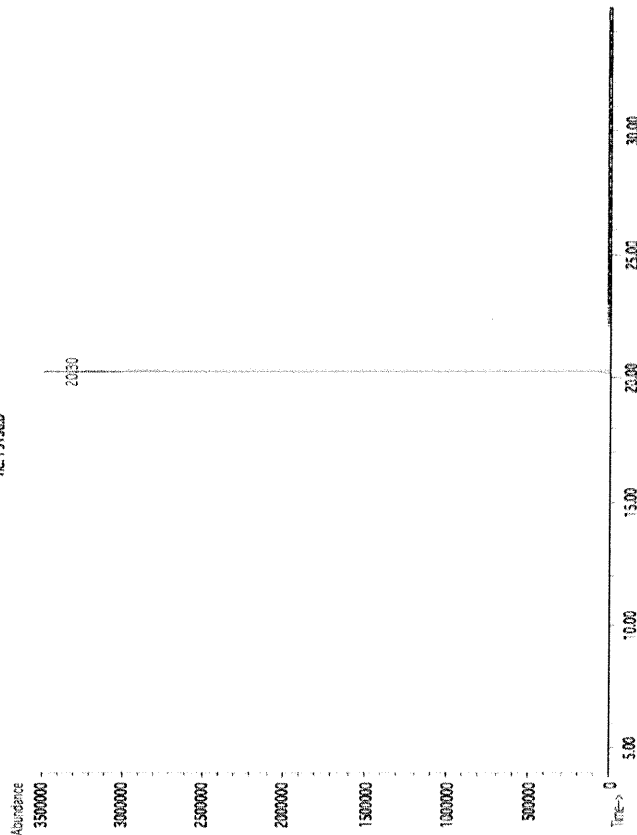
50.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	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)	LDSO
----------	-----	------------	----------------------	------------	-------------	-------------------	-------------------	---------------------	------------------------------------	--	------	----------------	------

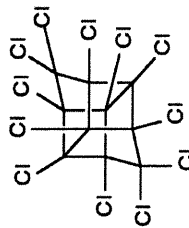
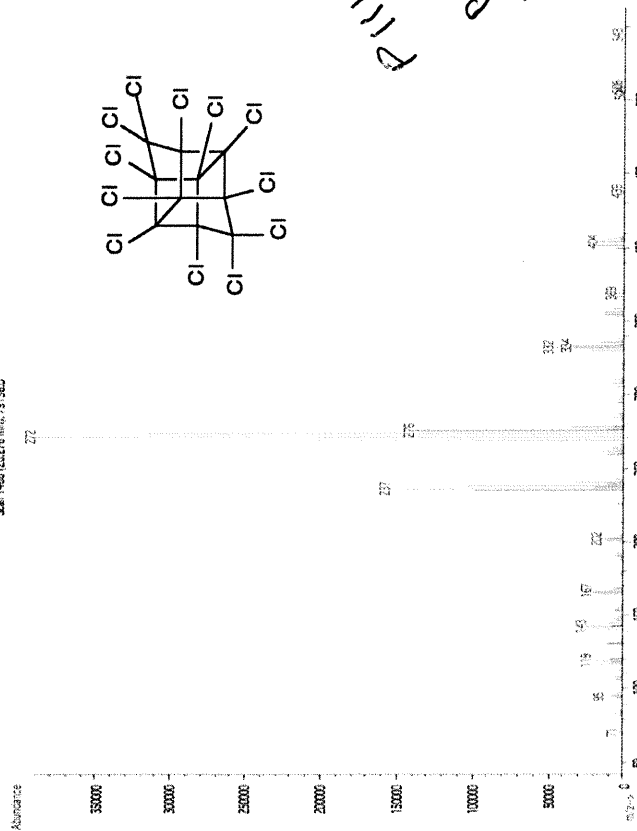
1. Mirex 437 9492400 1000 99.4 0.5 0.05034 0.05039 1000.9 10.3 2385-85-5 N/A orl-rat 306mg/kg

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.

TC: 79136.D



Scan 1468 (20.276 min): 79136.D



11/02/21
AK
P1142
P1142

• 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).



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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.: A0177326
Description: Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: January 31, 2026 Storage: 10°C or colder
Ship: Ambient

P11811
✓
P11819
AJ
06/17/22

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Toxaphene	1,004.7 µg/mL	+/- 5.9674 µg/mL Gravimetric
	CAS # 8001-35-2 (Lot 1051817)		+/- 31.8552 µg/mL Unstressed
	Purity ----%		+/- 41.6063 µg/mL Stressed

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

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

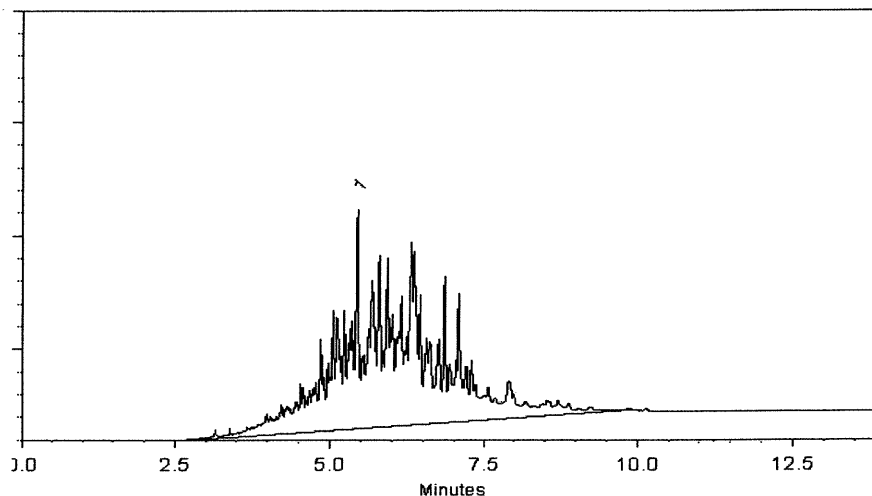
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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
Sam Moodler - Operations Tech I

Date Mixed: 11-Oct-2021 **Balance:** B442140311

Marlina Cowan
Marlina Cowan - Operations Tech I

Date Passed: 14-Oct-2021

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18



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



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. : 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

P 13034
↓
P 13038
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%	200.5 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
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
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.)

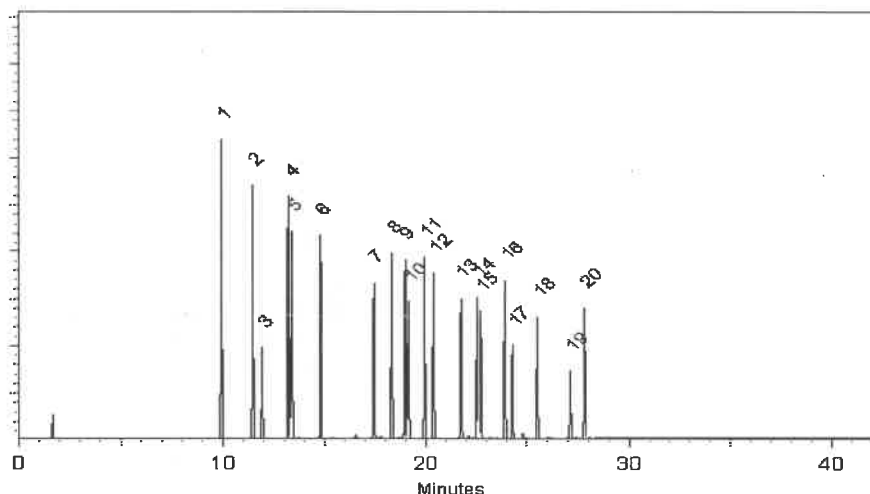
Inj. Temp:
200°C

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
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino
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



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



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. : 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

P 13034
↓
P 13038
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%	200.5 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
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
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.)

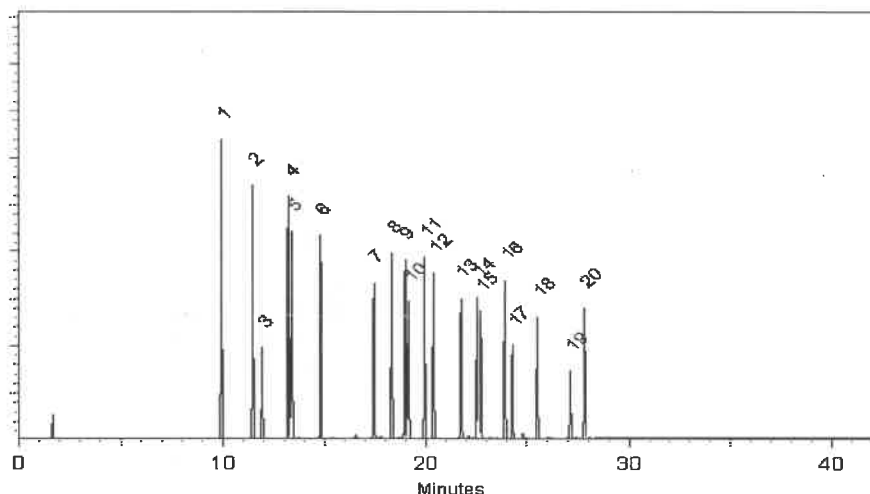
Inj. Temp:
200°C

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
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino
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



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **19161**
Lot Number: **013124**
Description: **CIP Pesticides & PCBs Resolution Check Standard**

Expiration Date: **013129**
Recommended Storage: **Varied**
Nominal Concentration (µg/mL): **6UTB**

Volume(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.021 Peak Uncertainty

Formulated By: <i>Lawrence Barry</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		013124
DATE		DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (±) µg/mL	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)	or-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)	or-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	or-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)	or-rat 36300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-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	or-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
P13244
P13245
P13246
P13247
P13248
P13249
P13250
P13251
P13252
P13253
P13254
P13255
P13256
P13257
P13258
P13259
P13260
P13261
P13262
P13263
P13264
P13265
P13266
P13267
P13268
P13269
P13270
P13271
P13272
P13273
P13274
P13275
P13276
P13277
P13278
P13279
P13280
P13281
P13282
P13283
P13284
P13285
P13286
P13287
P13288
P13289
P13290
P13291
P13292
P13293
P13294
P13295
P13296
P13297
P13298
P13299
P13300
P13301
P13302
P13303
P13304
P13305
P13306
P13307
P13308
P13309
P13310
P13311
P13312
P13313
P13314
P13315
P13316
P13317
P13318
P13319
P13320
P13321
P13322
P13323
P13324
P13325
P13326
P13327
P13328
P13329
P13330
P13331
P13332
P13333
P13334
P13335
P13336
P13337
P13338
P13339
P13340
P13341
P13342
P13343
P13344
P13345
P13346
P13347
P13348
P13349
P13350
P13351
P13352
P13353
P13354
P13355
P13356
P13357
P13358
P13359
P13360
P13361
P13362
P13363
P13364
P13365
P13366
P13367
P13368
P13369
P13370
P13371
P13372
P13373
P13374
P13375
P13376
P13377
P13378
P13379
P13380
P13381
P13382
P13383
P13384
P13385
P13386
P13387
P13388
P13389
P13390
P13391
P13392
P13393
P13394
P13395
P13396
P13397
P13398
P13399
P13400
P13401
P13402
P13403
P13404
P13405
P13406
P13407
P13408
P13409
P13410
P13411
P13412
P13413
P13414
P13415
P13416
P13417
P13418
P13419
P13420
P13421
P13422
P13423
P13424
P13425
P13426
P13427
P13428
P13429
P13430
P13431
P13432
P13433
P13434
P13435
P13436
P13437
P13438
P13439
P13440
P13441
P13442
P13443
P13444
P13445
P13446
P13447
P13448
P13449
P13450
P13451
P13452
P13453
P13454
P13455
P13456
P13457
P13458
P13459
P13460
P13461
P13462
P13463
P13464
P13465
P13466
P13467
P13468
P13469
P13470
P13471
P13472
P13473
P13474
P13475
P13476
P13477
P13478
P13479
P13480
P13481
P13482
P13483
P13484
P13485
P13486
P13487
P13488
P13489
P13490
P13491
P13492
P13493
P13494
P13495
P13496
P13497
P13498
P13499
P13500
P13501
P13502
P13503
P13504
P13505
P13506
P13507
P13508
P13509
P13510
P13511
P13512
P13513
P13514
P13515
P13516
P13517
P13518
P13519
P13520
P13521
P13522
P13523
P13524
P13525
P13526
P13527
P13528
P13529
P13530
P13531
P13532
P13533
P13534
P13535
P13536
P13537
P13538
P13539
P13540
P13541
P13542
P13543
P13544
P13545
P13546
P13547
P13548
P13549
P13550
P13551
P13552
P13553
P13554
P13555
P13556
P13557
P13558
P13559
P13560
P13561
P13562
P13563
P13564
P13565
P13566
P13567
P13568
P13569
P13570
P13571
P13572
P13573
P13574
P13575
P13576
P13577
P13578
P13579
P13580
P13581
P13582
P13583
P13584
P13585
P13586
P13587
P13588
P13589
P13590
P13591
P13592
P13593
P13594
P13595
P13596
P13597
P13598
P13599
P13600
P13601
P13602
P13603
P13604
P13605
P13606
P13607
P13608
P13609
P13610
P13611
P13612
P13613
P13614
P13615
P13616
P13617
P13618
P13619
P13620
P13621
P13622
P13623
P13624
P13625
P13626
P13627
P13628
P13629
P13630
P13631
P13632
P13633
P13634
P13635
P13636
P13637
P13638
P13639
P13640
P13641
P13642
P13643
P13644
P13645
P13646
P13647
P13648
P13649
P13650
P13651
P13652
P13653
P13654
P13655
P13656
P13657
P13658
P13659
P13660
P13661
P13662
P13663
P13664
P13665
P13666
P13667
P13668
P13669
P13670
P13671
P13672
P13673
P13674
P13675
P13676
P13677
P13678
P13679
P13680
P13681
P13682
P13683
P13684
P13685
P13686
P13687
P13688
P13689
P13690
P13691
P13692
P13693
P13694
P13695
P13696
P13697
P13698
P13699
P13700
P13701
P13702
P13703
P13704
P13705
P13706
P13707
P13708
P13709
P13710
P13711
P13712
P13713
P13714
P13715
P13716
P13717
P13718
P13719
P13720
P13721
P13722
P13723
P13724
P13725
P13726
P13727
P13728
P13729
P13730
P13731
P13732
P13733
P13734
P13735
P13736
P13737
P13738
P13739
P13740
P13741
P13742
P13743
P13744
P13745
P13746
P13747
P13748
P13749
P13750
P13751
P13752
P13753
P13754
P13755
P13756
P13757
P13758
P13759
P13760
P13761
P13762
P13763
P13764
P13765
P13766
P13767
P13768
P13769
P13770
P13771
P13772
P13773
P13774
P13775
P13776
P13777
P13778
P13779
P13780
P13781
P13782
P13783
P13784
P13785
P13786
P13787
P13788
P13789
P13790
P13791
P13792
P13793
P13794
P13795
P13796
P13797
P13798
P13799
P13800
P13801
P13802
P13803
P13804
P13805
P13806
P13807
P13808
P13809
P13810
P13811
P13812
P13813
P13814
P13815
P13816
P13817
P13818
P13819
P13820
P13821
P13822
P13823
P13824
P13825
P13826
P13827
P13828
P13829
P13830
P13831
P13832
P13833
P13834
P13835
P13836
P13837
P13838
P13839
P13840
P13841
P13842
P13843
P13844
P13845
P13846
P13847
P13848
P13849
P13850
P13851
P13852
P13853
P13854
P13855
P13856
P13857
P13858
P13859
P13860
P13861
P13862
P13863
P13864
P13865
P13866
P13867
P13868
P13869
P13870
P13871
P13872
P13873
P13874
P13875
P13876
P13877
P13878
P13879
P13880
P13881
P13882
P13883
P13884
P13885
P13886
P13887
P13888
P13889
P13890
P13891
P13892
P13893
P13894
P13895
P13896
P13897
P13898
P13899
P13900
P13901
P13902
P13903
P13904
P13905
P13906
P13907
P13908
P13909
P13910
P13911
P13912
P13913
P13914
P13915
P13916
P13917
P13918
P13919
P13920
P13921
P13922
P13923
P13924
P13925
P13926
P13927
P13928
P13929
P13930
P13931
P13932
P13933
P13934
P13935
P13936
P13937
P13938
P13939
P13940
P13941
P13942
P13943
P13944
P13945
P13946
P13947
P13948
P13949
P13950
P13951
P13952
P13953
P13954
P13955
P13956
P13957
P13958
P13959
P13960
P13961
P13962
P13963
P13964
P13965
P13966
P13967
P13968
P13969
P13970
P13971
P13972
P13973
P13974
P13975
P13976
P13977
P13978
P13979
P13980
P13981
P13982
P13983
P13984
P13985
P13986
P13987
P13988
P13989
P13990
P13991
P13992
P13993
P13994
P13995
P13996
P13997
P13998
P13999
P14000

P13243
P13244
P13245
P13246
P13247
P13248
P13249
P13250
P13251
P13252
P13253
P13254
P13255
P13256
P13257
P13258
P13259
P13260
P13261
P13262
P13263
P13264
P13265
P13266
P13267
P13268
P13269
P13270
P13271
P13272
P13273
P13274
P13275
P13276
P13277
P13278
P13279
P13280
P13281
P13282
P13283
P13284
P13285
P13286
P13287
P13288
P13289
P13290
P13291
P13292
P13293
P13294
P13295
P13296
P13297
P13298
P13299
P13300
P13301
P13302
P13303
P13304
P13305
P13306
P13307
P13308
P13309
P13310
P13311
P13312
P13313
P13314
P13315
P13316
P13317
P13318
P13319
P13320
P13321
P13322
P13323
P13324
P13325
P13326
P13327
P13328
P13329
P13330
P13331
P13332
P13333
P13334
P13335
P1333



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



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.:** 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

P13348
↓
P13357
10
DAUF
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:

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:

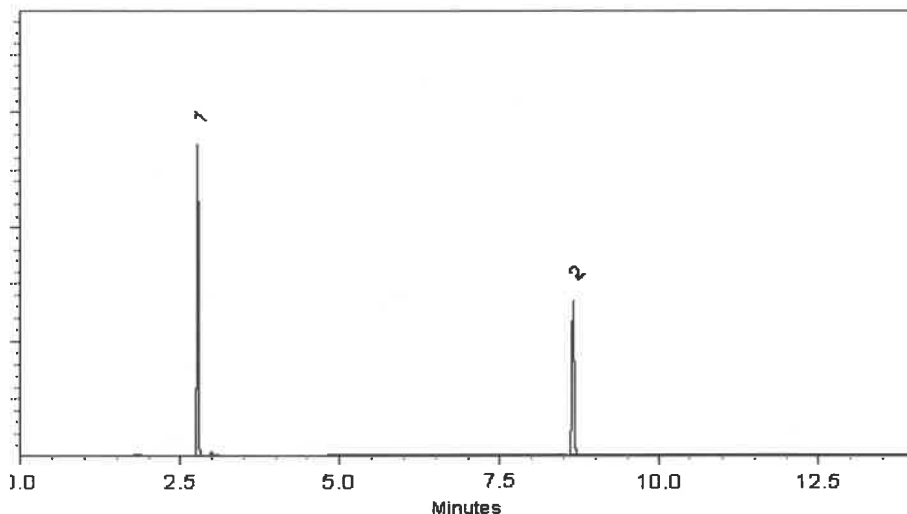
ECD

Split Vent:

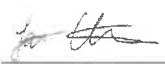
10 ml/min.

Inj. Vol

1µl

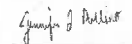


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

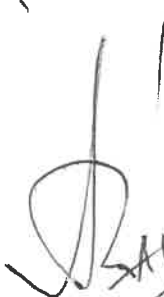
Balance Serial # 1128360905


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

P 13348
↓
P 13357
10


SAUF
04/25/2025



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



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

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%

P 13358
↓
P 13369
(12)

[Signature]
05-06-2024

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

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:

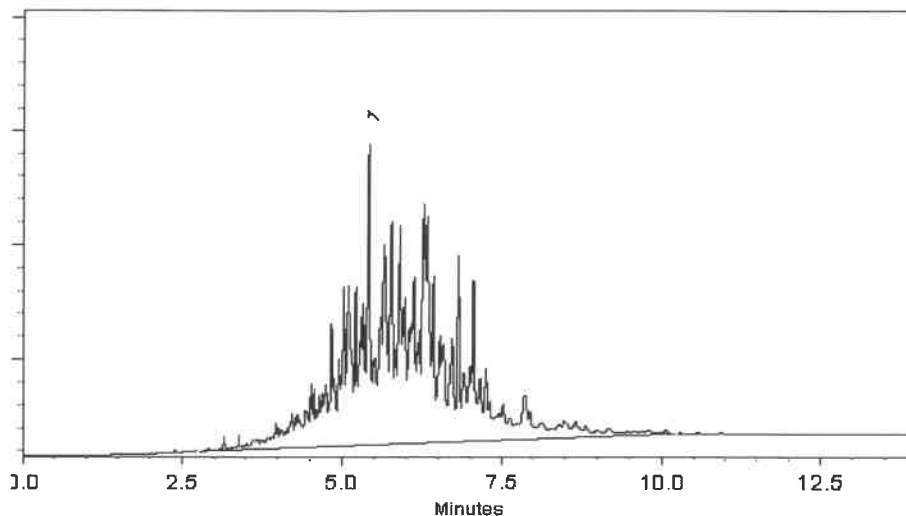
ECD

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

P13358
↓
P13369
↓
(12)


05-06-2024

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18



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



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

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%

P 13358
↓
P 13369
(12)

[Signature]
05-06-2024

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

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:

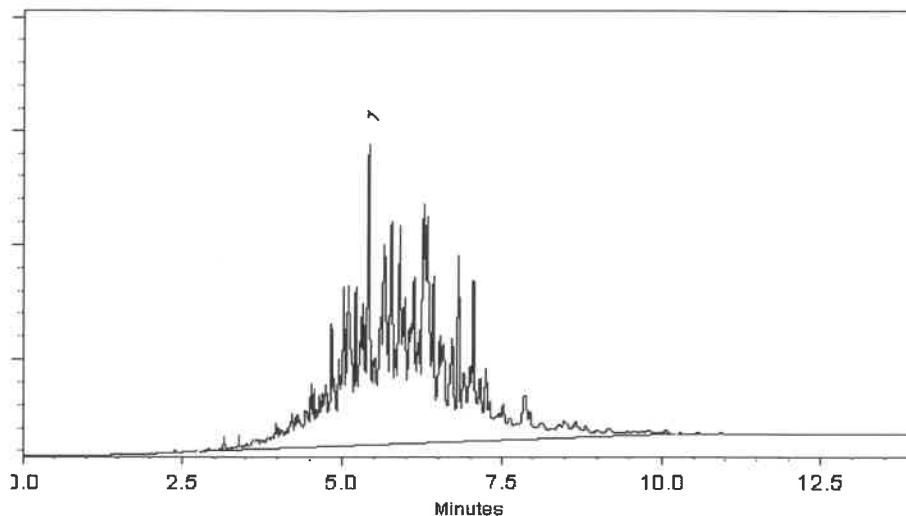
ECD

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

P13358 } (12)
↓
P13369
|


05-06-2024

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18



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



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 } (5)
P13406 }
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:

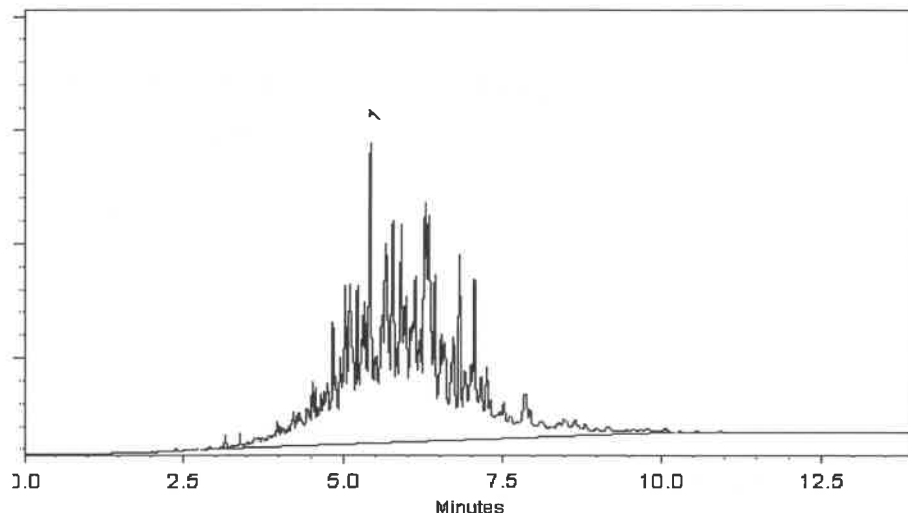
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

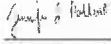


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505

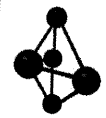

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13402
↓
P13406 } (5)


5/22/2024



CERTIFIED WEIGHT REPORT

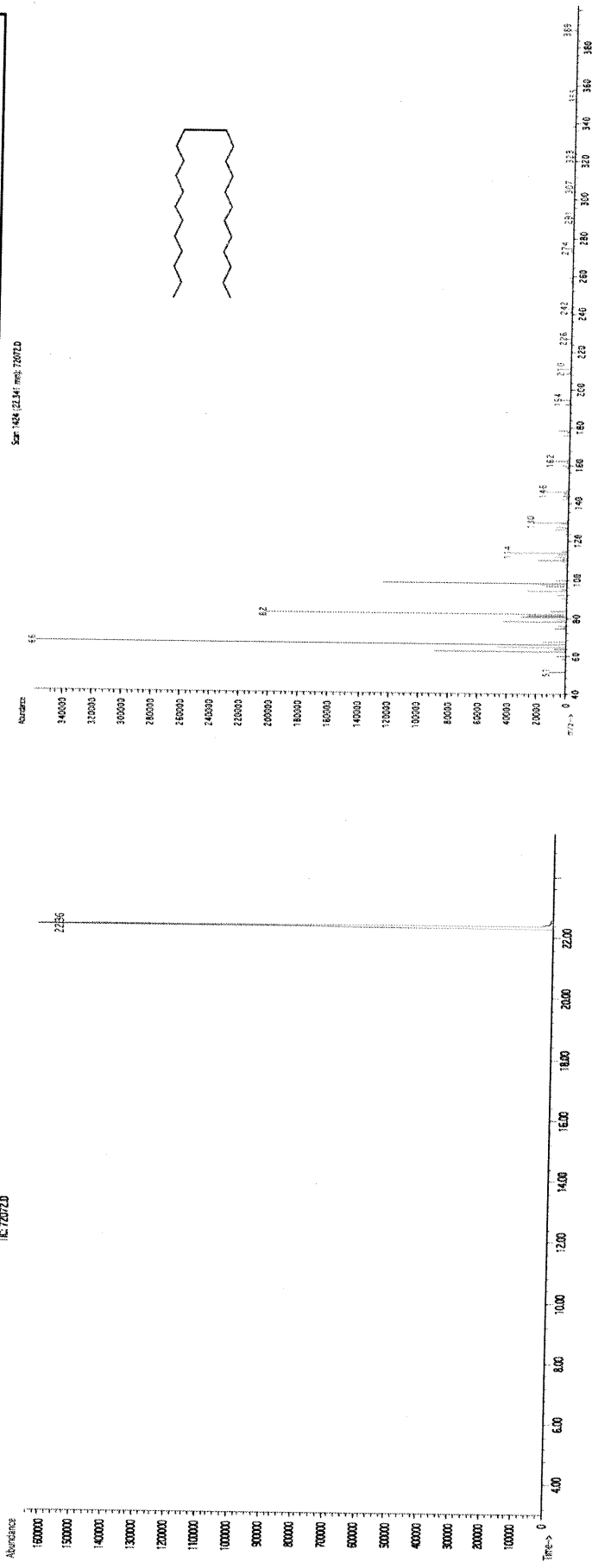
Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50
Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): Lot#
Methylene chloride 102669
Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By: Prashant Chauhan 112018
DATE
Reviewed By: Pedro Rentas 112018
DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 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.										

TC 720720



• 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).
• 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).

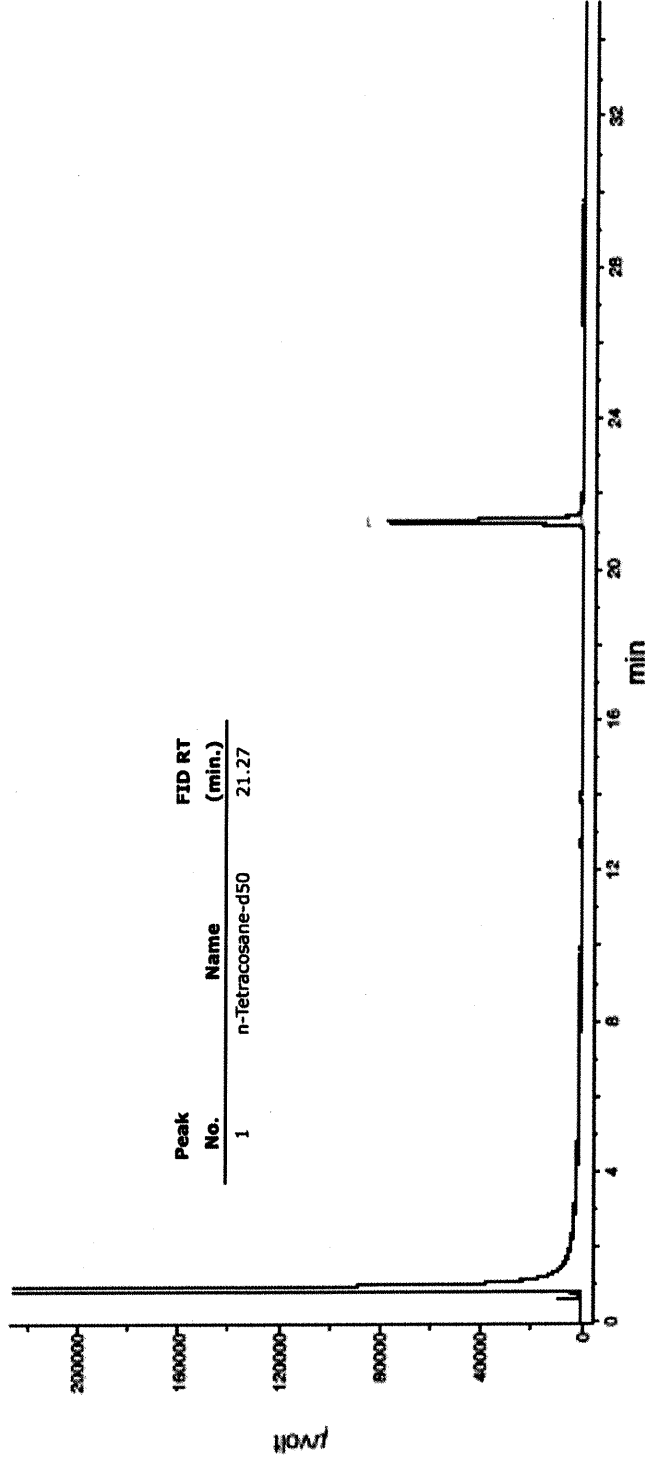


Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

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 1.5µm 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 µL, Range = 3





SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Packing List

6390 Joyce Dr., #100
Golden, CO 80403

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

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

Date	Order #
09/03/2024	318988



Ship To

Chemtech - NJ
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
9/5/2024
9:50

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240802-01	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0924	8259-04
1	1	0	PT-HG-WP	WP Mercury	WP0924	8259-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0924	8259-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0924	8259-06
1	1	0	PT-DEM-WP	WP Demand	WP0924	8259-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0924	8259-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0924	8259-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0924	8259-72
1	1	0	PT-SOL-WP	WP Solids	WP0924	8259-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0924	8259-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0924	8259-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0924	8259-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0924	8259-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0924	8259-13
1	1	0	PT-PH-WP	WP pH	WP0924	8259-15
1	1	0	PT-CN-WP	WP Cyanide	WP0924	8259-14
1	1	0	PT-PHEN-WP	WP Phenolics	WP0924	8259-16

Packing List

6390 Joyce Dr., #100
Golden, CO 80403

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

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

Date	Order #
09/03/2024	318988



Ship To

Chemtech - NJ
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
9/5/2024
9:50

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
240802-01	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-S2-WP	WP Sulfide	WP0924	8259-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0924	8259-17
1	1	0	PT-VSOL-WP	WP Volatile Solids	WP0924	8259-18
1	1	0	PT-TURB-WP	WP Turbidity	WP0924	8259-20
1	1	0	PT-SIO2-WP	WP Silica	WP0924	8259-21
1	1	0	PT-COL-WP	WP Color	WP0924	8259-51
1	1	0	PT-VOA-WP	WP Volatiles	WP0924	8259-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0924	8259-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0924	8259-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0924	8259-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0924	8259-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0924	8259-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0924	8259-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0924	8259-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R39151	R39151-104
1	1	0	RR-PAH-WP	WP PAH-Low Level	R39151	R39151-37
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R39151	R39151-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R39151	R39151-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R39151	R39151-98
1	1	0	RR-TRIAZINE-WP	WP Triazine Pesticides	R39151	R39151-108

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488