

DATA PACKAGE GC SEMI-VOLATILES

PROJECT NAME : RFP 905

**WESTON SOLUTIONS, INC.
1090 King Georges Post Road
Suite 201
Edison, NJ - 08837-3703
Phone No: 732-585-4410**

**ORDER ID : Q1421
ATTENTION : Smita Sumbaly**



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1421

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number

Q1421-01
Q1421-02
Q1421-03
Q1421-04
Q1421-05
Q1421-06
Q1421-07
Q1421-08
Q1421-09
Q1421-10

Client Sample Number

P001-CLAY-CF01-01
P001-CLAY-CF01-01MS
P001-CLAY-CF01-01MSD
P001-CLAY-CF01-01
P001-CLAY-CF01-01MS
P001-CLAY-CF01-01MSD
P001-CLAY-CF01-02
P001-CLAY-CF01-02
P001-CLAY-CF02-01
P001-CLAY-CF02-01

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

Signature : _____

Date: 3/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Chemtech Project # Q1421
Test Name: PCB

A. Number of Samples and Date of Receipt:

10 Solid samples were received on 02/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, METALS TAL+CN, PCB, Pesticide-TCL, SPLP BNA, SPLP Cyanide, SPLP Extraction, SPLP ICP Metals, SPLP Mercury, SPLP PCB, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

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

E. Additional Comments:

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

F. Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(A_x) (V_t) (D_F) (G_P C)}{(C_F) (V_i) (W_s) (D)}$$

Where,

A_x = Response (peak area or height) of the compound to be measured.

C_F = Mean Calibration Factor from the initial calibration (area/ng).

V_t = Volume of the concentrated extract in uL

V_i = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).

W_s = Weight of sample extracted (g).

D = % dry weight or $\frac{100 - \% \text{Moisture}}{100}$

GPC = $\frac{V_{in}}{V_{out}}$ = GPC factor (If no GPC is performed, GPC=1)

D_F = Dilution Factor

G. Manual Integration Comments:

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

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

Signature_____

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: Q1421

MATRIX: Solid

METHOD: 8082A/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The RPD met criteria .			✓
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:			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1421

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: 03/01/2025

LAB CHRONICLE

OrderID:	Q1421	OrderDate:	2/24/2025 2:56:42 PM
Client:	Weston Solutions, Inc.	Project:	RFP 905
Contact:	Smita Sumbaly	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1421-01	P001-CLAY-CF01-01	SOIL			02/24/25			02/24/25
			PCB	8082A		02/25/25	02/25/25	
Q1421-07	P001-CLAY-CF01-02	SOIL			02/24/25			02/24/25
			PCB	8082A		02/25/25	02/25/25	
Q1421-09	P001-CLAY-CF02-01	SOIL			02/24/25			02/24/25
			PCB	8082A		02/25/25	02/25/25	

Hit Summary Sheet
SW-846

SDG No.: Q1421

Order ID: Q1421

Client: Weston Solutions, Inc.

Project ID: RFP 905

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								

Total Concentration: 0.000



QC SUMMARY

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Surrogate Summary

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP069995.D	PIBLK-PP069995.D	Tetrachloro-m-xylene	1	20	21.9	109		60	140
		Decachlorobiphenyl	1	20	21.8	109		60	140
		Tetrachloro-m-xylene	2	20	22.1	110		60	140
		Decachlorobiphenyl	2	20	21.6	108		60	140
I.BLK-PP070034.D	PIBLK-PP070034.D	Tetrachloro-m-xylene	1	20	16.9	85		60	140
		Decachlorobiphenyl	1	20	17.4	87		60	140
		Tetrachloro-m-xylene	2	20	16.8	84		60	140
		Decachlorobiphenyl	2	20	18.0	90		60	140
PB166854BL	PB166854BL	Tetrachloro-m-xylene	1	20	23.9	119		32	144
		Decachlorobiphenyl	1	20	24.3	122		32	175
		Tetrachloro-m-xylene	2	20	24.1	120		32	144
		Decachlorobiphenyl	2	20	23.1	116		32	175
PB166854BS	PB166854BS	Tetrachloro-m-xylene	1	20	26.0	130		32	144
		Decachlorobiphenyl	1	20	25.4	127		32	175
		Tetrachloro-m-xylene	2	20	24.9	125		32	144
		Decachlorobiphenyl	2	20	24.7	123		32	175
I.BLK-PP070046.D	PIBLK-PP070046.D	Tetrachloro-m-xylene	1	20	17.7	89		60	140
		Decachlorobiphenyl	1	20	17.4	87		60	140
		Tetrachloro-m-xylene	2	20	18.1	91		60	140
		Decachlorobiphenyl	2	20	18.0	90		60	140
Q1421-01	P001-CLAY-CF01-01	Tetrachloro-m-xylene	1	20	21.1	105		32	144
		Decachlorobiphenyl	1	20	19.1	96		32	175
		Tetrachloro-m-xylene	2	20	21.4	107		32	144
		Decachlorobiphenyl	2	20	19.8	99		32	175
Q1421-02MS	P001-CLAY-CF01-01MS	Tetrachloro-m-xylene	1	20	28.0	140		32	144
		Decachlorobiphenyl	1	20	25.6	128		32	175
		Tetrachloro-m-xylene	2	20	27.5	137		32	144
		Decachlorobiphenyl	2	20	25.2	126		32	175
Q1421-03MSD	P001-CLAY-CF01-01MSD	Tetrachloro-m-xylene	1	20	28.0	140		32	144
		Decachlorobiphenyl	1	20	26.0	130		32	175
		Tetrachloro-m-xylene	2	20	25.9	130		32	144
		Decachlorobiphenyl	2	20	25.2	126		32	175
Q1421-07	P001-CLAY-CF01-02	Tetrachloro-m-xylene	1	20	26.4	132		32	144
		Decachlorobiphenyl	1	20	22.7	113		32	175
		Tetrachloro-m-xylene	2	20	27.5	137		32	144
		Decachlorobiphenyl	2	20	22.0	110		32	175
Q1421-09	P001-CLAY-CF02-01	Tetrachloro-m-xylene	1	20	26.2	131		32	144
		Decachlorobiphenyl	1	20	23.5	118		32	175
		Tetrachloro-m-xylene	2	20	27.9	140		32	144
		Decachlorobiphenyl	2	20	24.4	122		32	175
I.BLK-PP070058.D	PIBLK-PP070058.D	Tetrachloro-m-xylene	1	20	17.8	89		60	140

Surrogate Summary

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP070058.D	PIBLK-PP070058.D	Decachlorobiphenyl	1	20	17.8	89		60	140
		Tetrachloro-m-xylene	2	20	18.6	93		60	140
		Decachlorobiphenyl	2	20	19.8	99		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: 8082A

DataFile : PP070048.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	P001-CLAY-CF01-01MS											
Q1421-02MS	AR1016	237	0	246	ug/kg	104				55	146	
	AR1260	237	0	224	ug/kg	95				45	144	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: 8082A

DataFile : PP070049.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	P001-CLAY-CF01-01MSD											
Q1421-03MSD	AR1016	236.8	0	249	ug/kg	105		1		55	146	20
	AR1260	236.8	0	226	ug/kg	95		0		45	144	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1421

Client: Weston Solutions, Inc.

Analytical Method: 8082A Datafile : PP070036.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166854BS	AR1016	166.6	166	ug/kg	100				71	120	
	AR1260	166.6	158	ug/kg	95				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166854BL

Lab Name: CHEMTECH

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421

SAS No.: Q1421 SDG NO.: Q1421

Lab Sample ID: PB166854BL

Lab File ID: PP070035.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/25/2025

Date Analyzed (1): 02/25/2025

Date Analyzed (2): 02/25/2025

Time Analyzed (1): 12:23

Time Analyzed (2): 12:23

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB166854BS	PB166854BS	PP070036.D	02/25/2025	02/25/2025
P001-CLAY-CF01-01	Q1421-01	PP070047.D	02/25/2025	02/25/2025
P001-CLAY-CF01-01MS	Q1421-02MS	PP070048.D	02/25/2025	02/25/2025
P001-CLAY-CF01-01MSD	Q1421-03MSD	PP070049.D	02/25/2025	02/25/2025
P001-CLAY-CF01-02	Q1421-07	PP070050.D	02/25/2025	02/25/2025
P001-CLAY-CF02-01	Q1421-09	PP070051.D	02/25/2025	02/25/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	70.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070047.D	1	02/25/25 09:02	02/25/25 16:00	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.80	U	4.80	24.1	ug/kg
11104-28-2	Aroclor-1221	9.10	U	9.10	24.1	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	24.1	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	24.1	ug/kg
12672-29-6	Aroclor-1248	11.2	U	11.2	24.1	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	24.1	ug/kg
37324-23-5	Aroclor-1262	6.50	U	6.50	24.1	ug/kg
11100-14-4	Aroclor-1268	4.90	U	4.90	24.1	ug/kg
11096-82-5	Aroclor-1260	4.10	U	4.10	24.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		32 - 144	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		32 - 175	99%	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_P\Data\PP022525\
Data File : PP070047.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 16:00
Operator : YP\AJ
Sample : Q1421-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:57:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.832	30945289	20412188	21.085	21.351
2) SA Decachlor...	10.257	8.890	21804034	21419560	19.143	19.758

Target Compounds

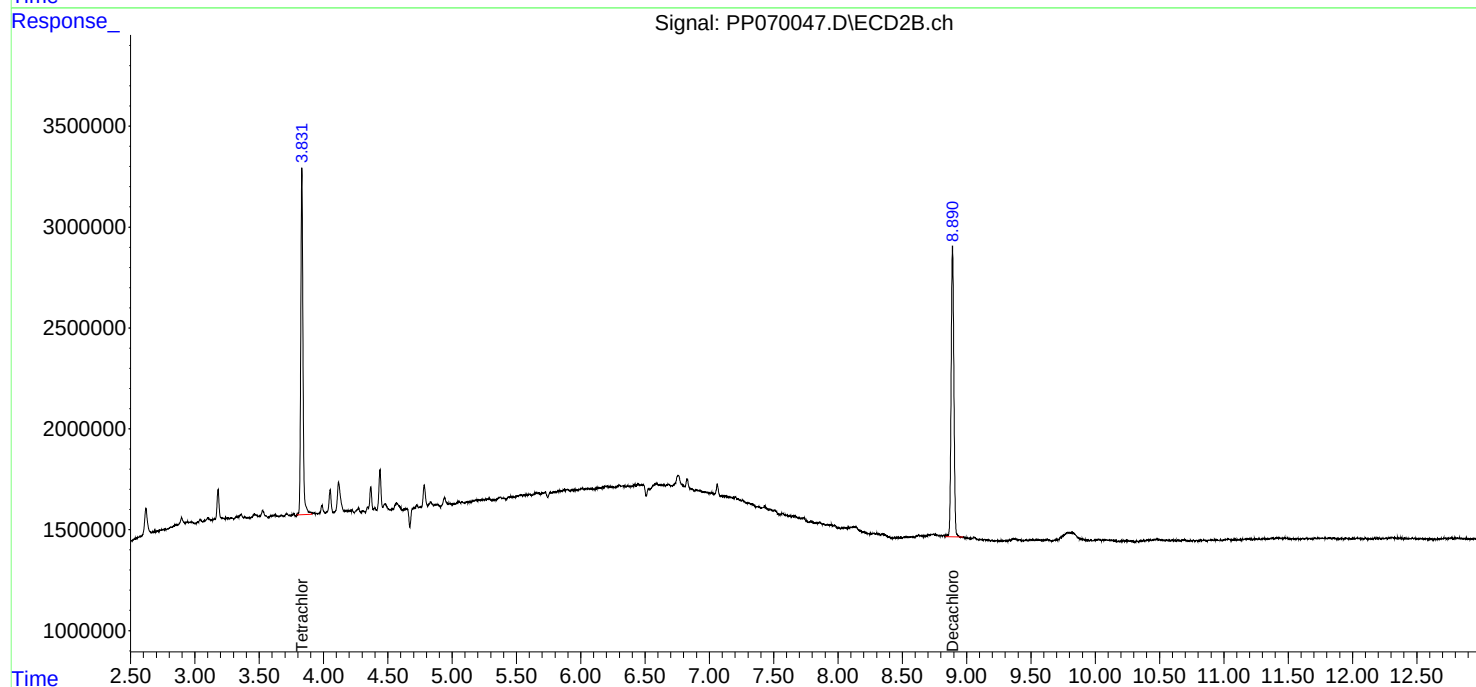
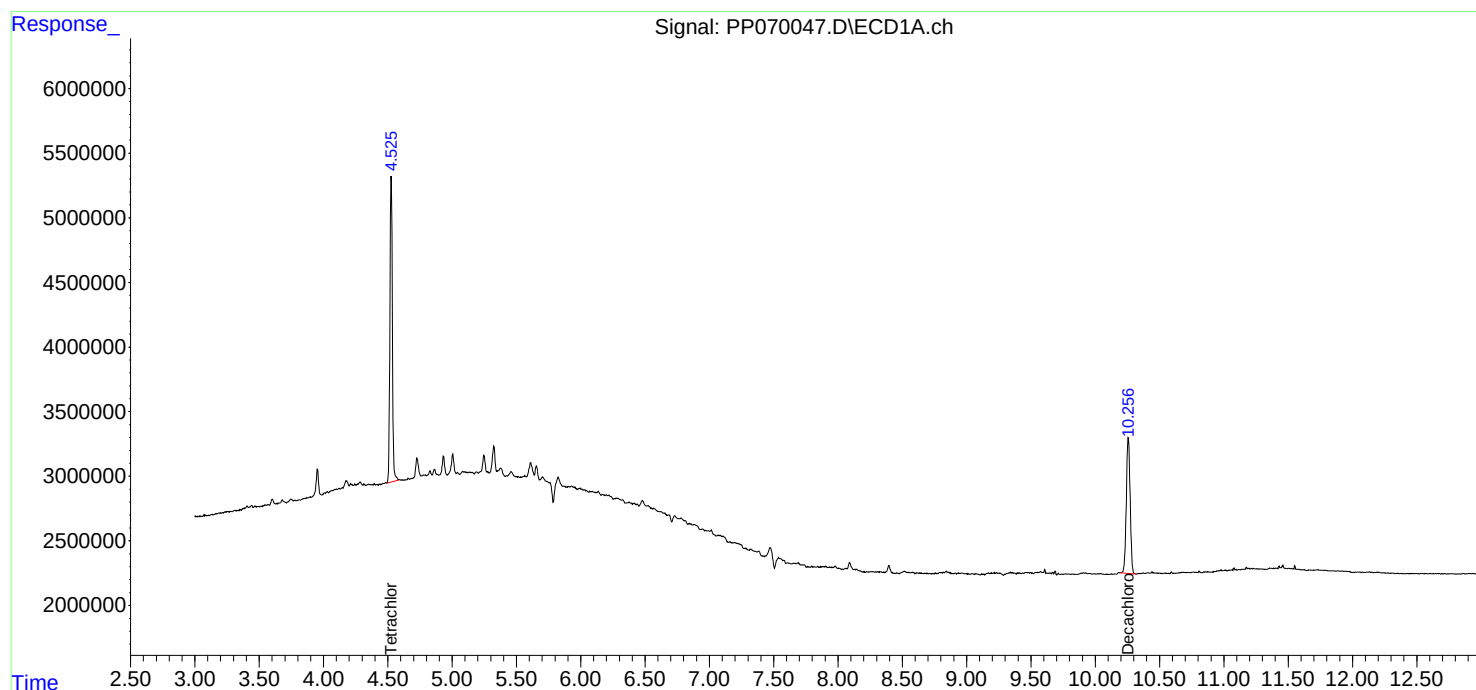
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

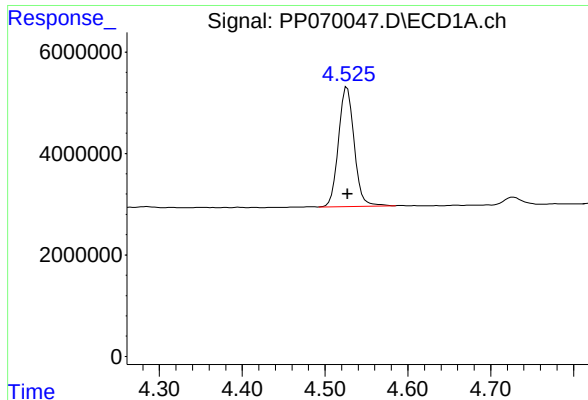
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070047.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 16:00
Operator : YP\AJ
Sample : Q1421-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:57:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

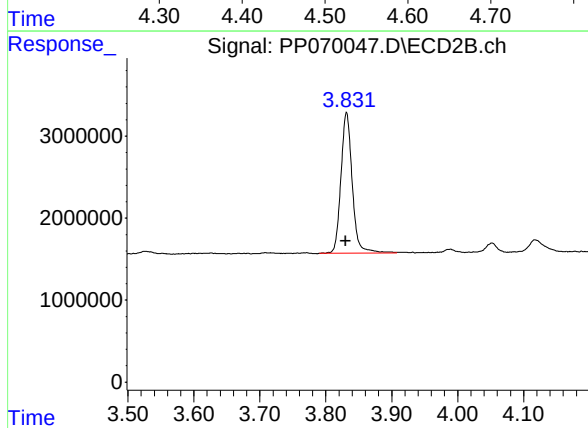




#1 Tetrachloro-m-xylene

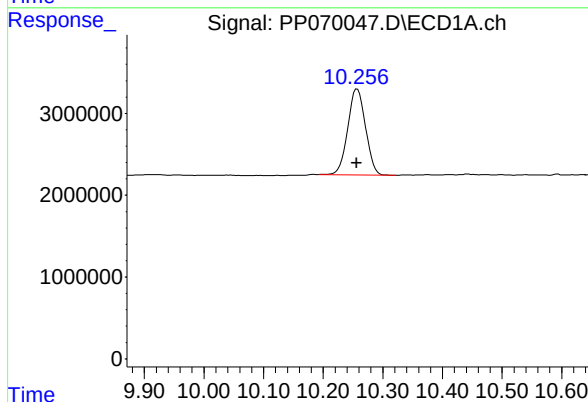
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 30945289
Conc: 21.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01



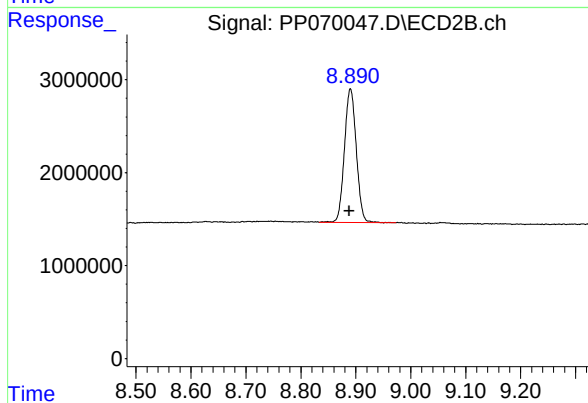
#1 Tetrachloro-m-xylene

R.T.: 3.832 min
Delta R.T.: 0.001 min
Response: 20412188
Conc: 21.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.000 min
Response: 21804034
Conc: 19.14 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.890 min
Delta R.T.: 0.002 min
Response: 21419560
Conc: 19.76 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02	SDG No.:	Q1421
Lab Sample ID:	Q1421-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	75.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070050.D	1	02/25/25 09:02	02/25/25 16:48	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	22.6	ug/kg
11104-28-2	Aroclor-1221	8.50	U	8.50	22.6	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	22.6	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	22.6	ug/kg
12672-29-6	Aroclor-1248	10.5	U	10.5	22.6	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	22.6	ug/kg
37324-23-5	Aroclor-1262	6.10	U	6.10	22.6	ug/kg
11100-14-4	Aroclor-1268	4.60	U	4.60	22.6	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	22.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.5		32 - 144	137%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		32 - 175	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_P\Data\PP022525\
 Data File : PP070050.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 16:48
 Operator : YP\AJ
 Sample : Q1421-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 P001-CLAY-CF01-02

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:59:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.528	3.831	38805224	26280792	26.441	27.489
2) SA Decachlor...	10.257	8.889	25805071	23825894	22.655	21.977

Target Compounds

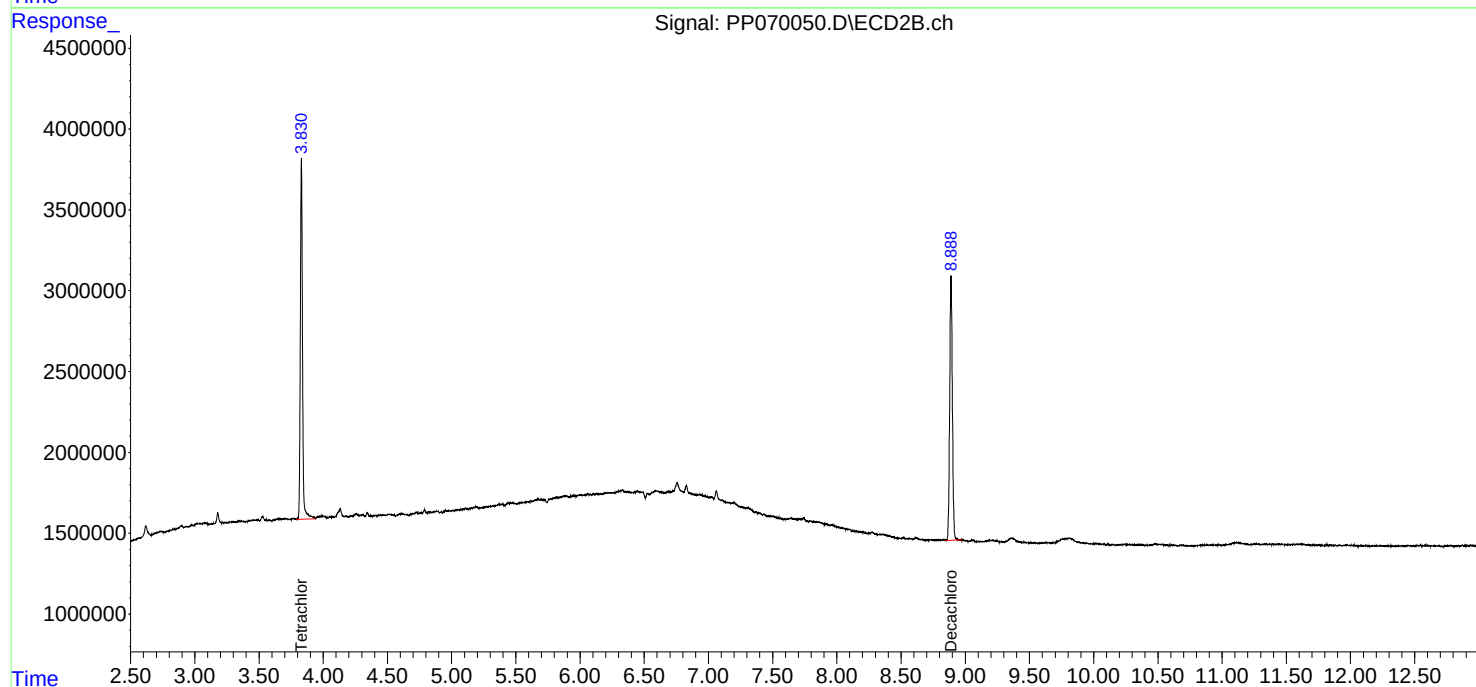
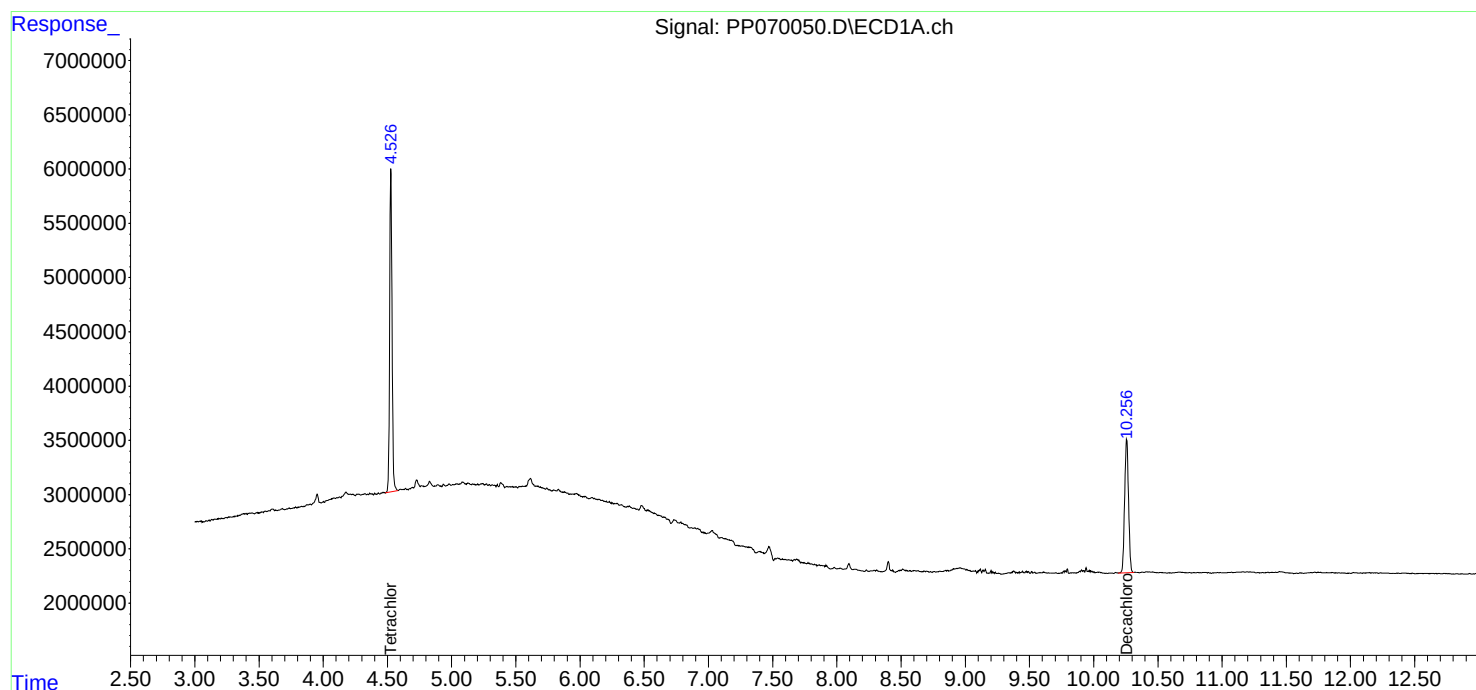
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

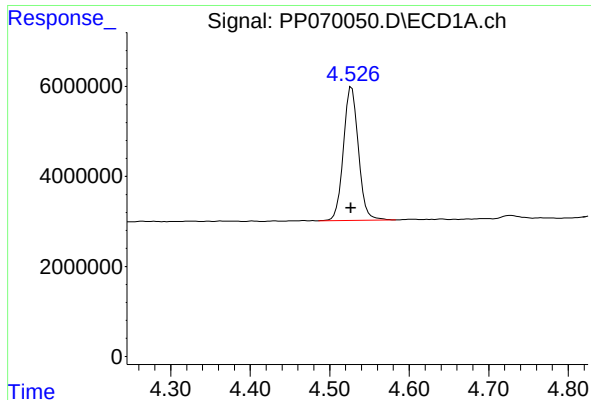
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070050.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 16:48
Operator : YP\AJ
Sample : Q1421-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:59:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

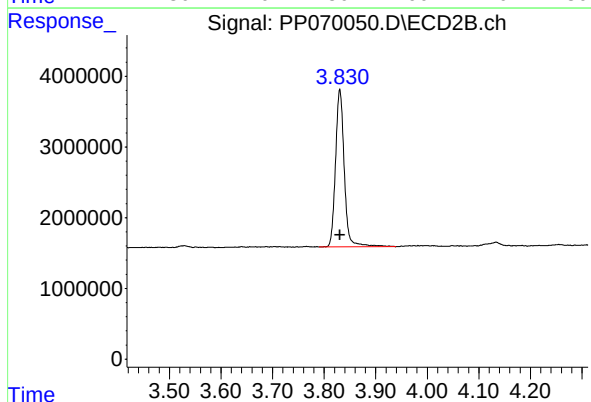




#1 Tetrachloro-m-xylene

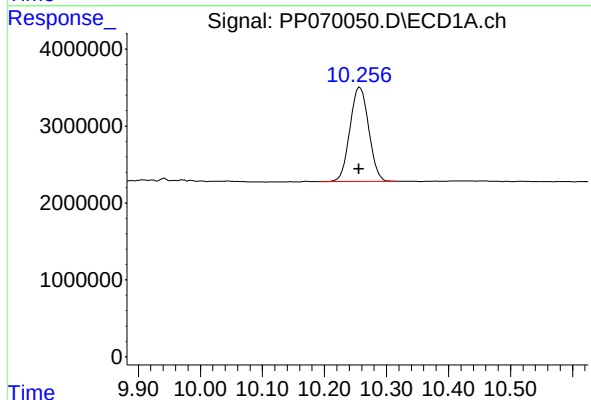
R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 38805224
Conc: 26.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-02



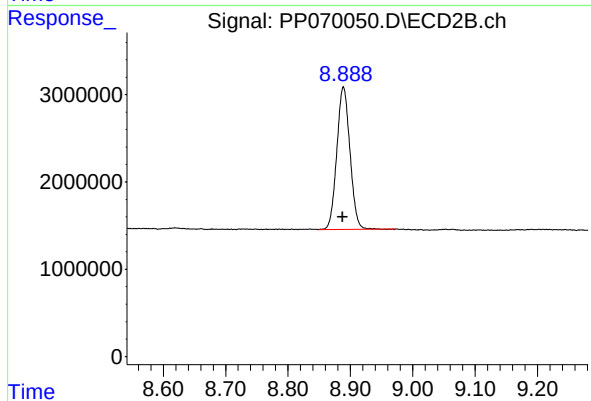
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.000 min
Response: 26280792
Conc: 27.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.001 min
Response: 25805071
Conc: 22.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 23825894
Conc: 21.98 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF02-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78.4
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070051.D	1	02/25/25 09:02	02/25/25 17:05	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	21.7	ug/kg
11104-28-2	Aroclor-1221	8.20	U	8.20	21.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	21.7	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	21.7	ug/kg
12672-29-6	Aroclor-1248	10.1	U	10.1	21.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	21.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	21.7	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.7	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	21.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.9		32 - 144	140%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.4		32 - 175	122%	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_P\Data\PP022525\
Data File : PP070051.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 17:05
Operator : YP\AJ
Sample : Q1421-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF02-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:59:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.830	38435758	26719952	26.189	27.949
2) SA Decachlor...	10.256	8.888	26773110	26408612	23.505	24.360

Target Compounds

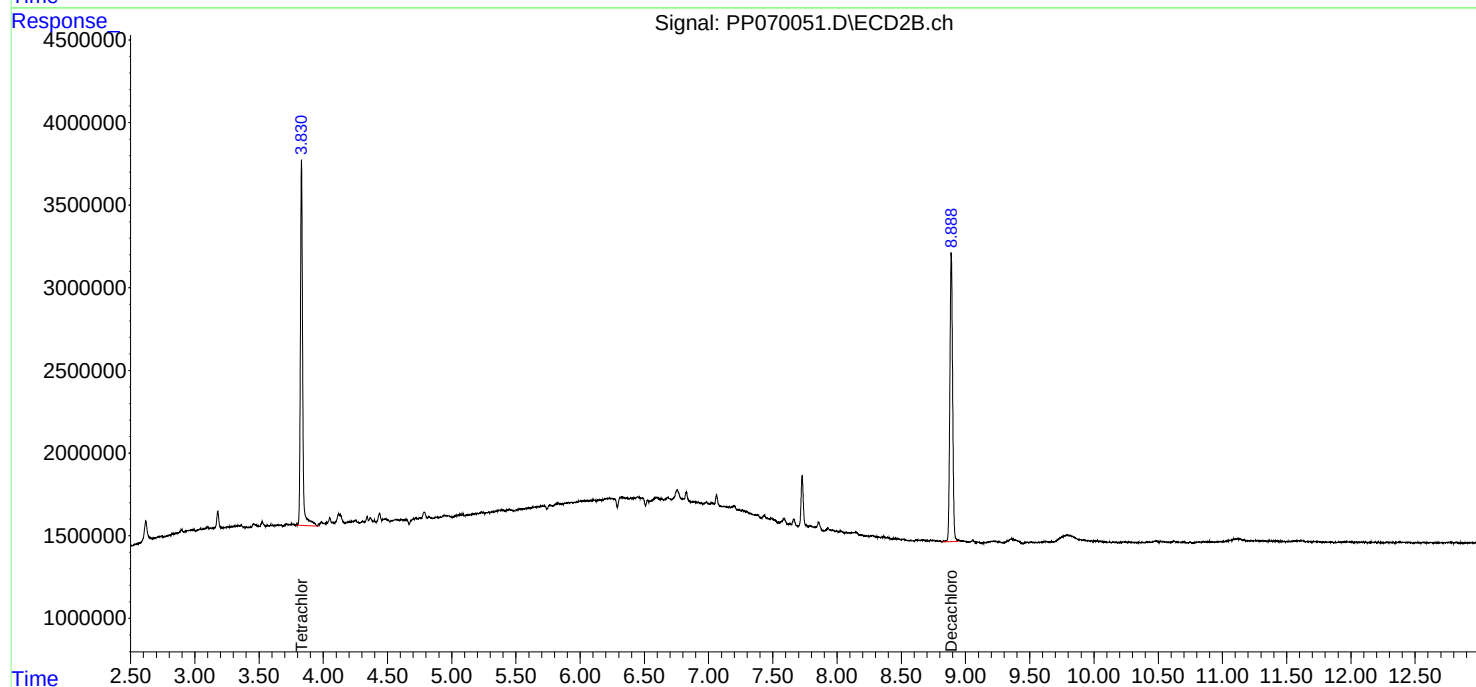
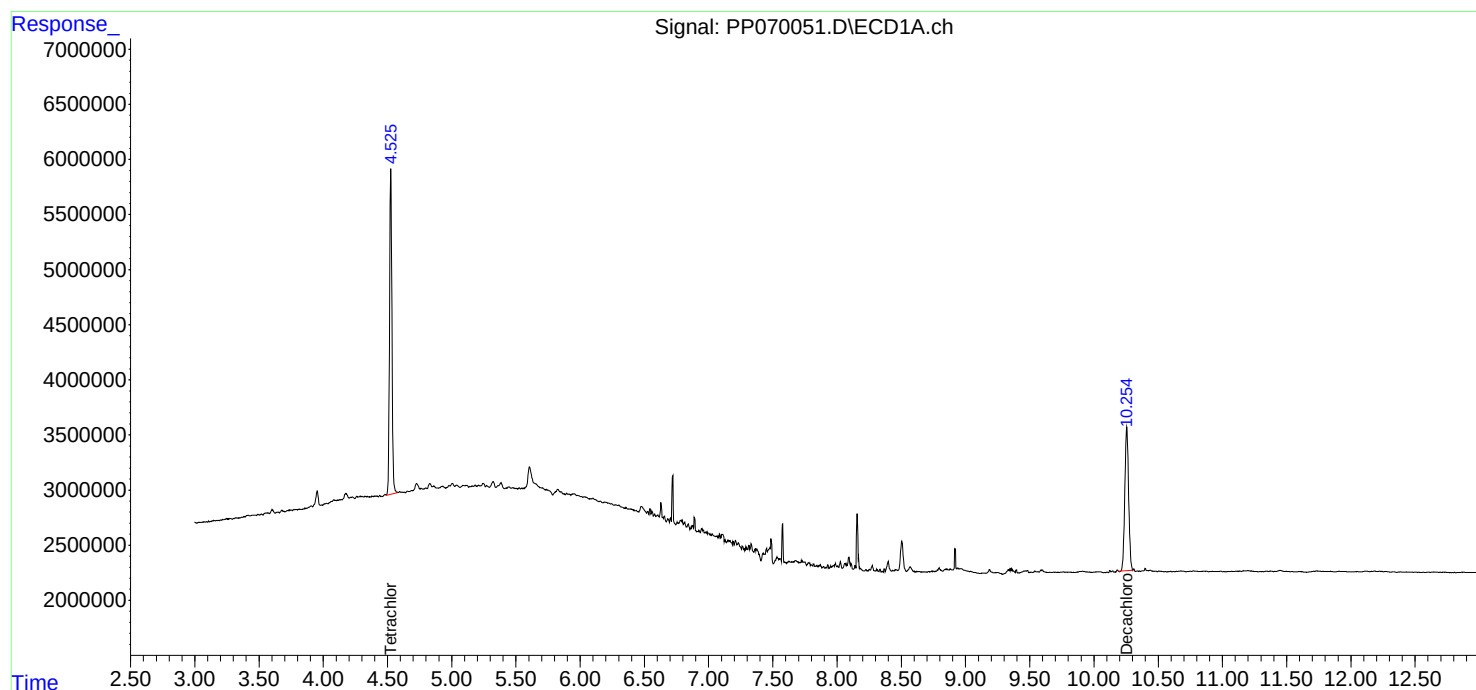
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

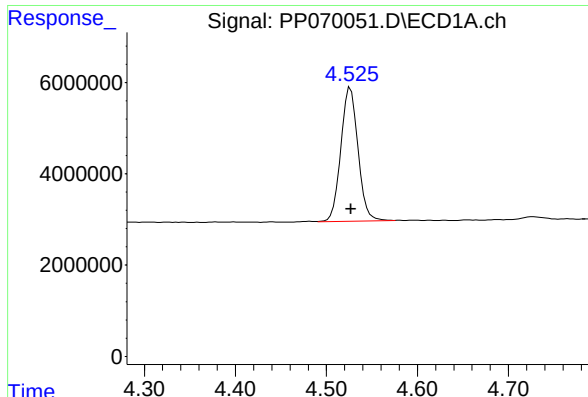
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070051.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 17:05
Operator : YP\AJ
Sample : Q1421-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF02-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:59:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

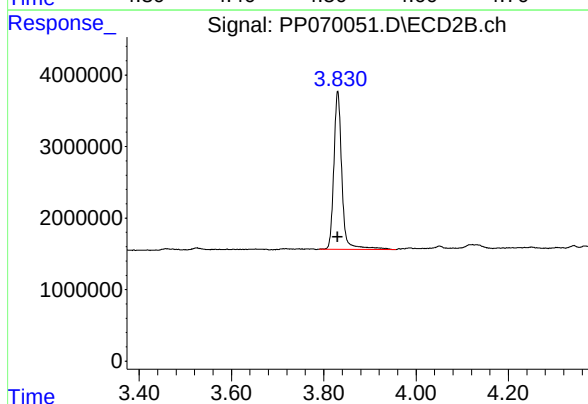




#1 Tetrachloro-m-xylene

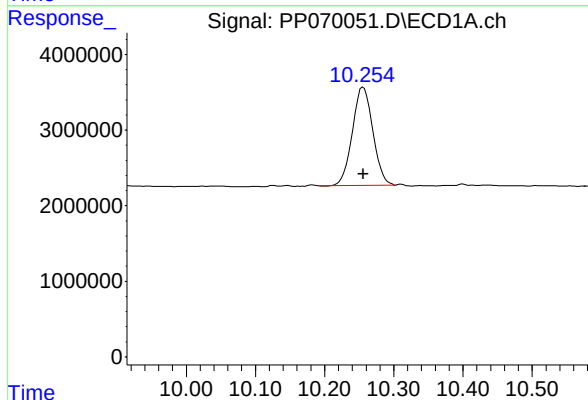
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 38435758
Conc: 26.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF02-01



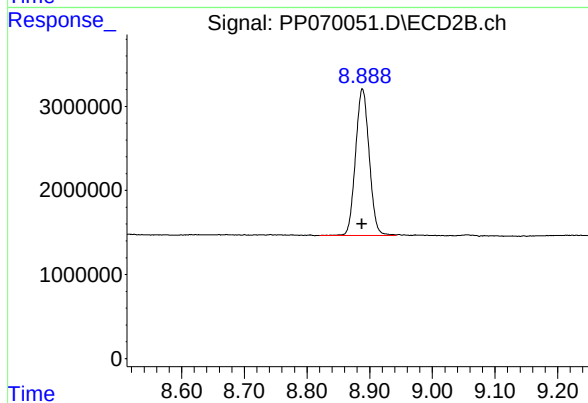
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 26719952
Conc: 27.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: 0.000 min
Response: 26773110
Conc: 23.51 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 26408612
Conc: 24.36 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02
Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421
Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025
Calibration Times: 14:59 22:17

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

LAB FILE ID:	RT 1000 = <u>PP069996.D</u>	RT 750 = <u>PP069997.D</u>
RT 500 = <u>PP069998.D</u>	RT 250 = <u>PP069999.D</u>	RT 050 = <u>PP070000.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1016-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-3	(3)	5.76	5.76	5.77	5.76	5.76	5.76	5.66	5.86
Aroclor-1016-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1016-5	(5)	6.15	6.15	6.16	6.15	6.15	6.15	6.05	6.25
Aroclor-1260-1	(1)	7.27	7.27	7.28	7.27	7.28	7.27	7.17	7.37
Aroclor-1260-2	(2)	7.52	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Aroclor-1260-3	(3)	7.88	7.89	7.89	7.88	7.89	7.89	7.79	7.99
Aroclor-1260-4	(4)	8.11	8.11	8.11	8.11	8.11	8.11	8.01	8.21
Aroclor-1260-5	(5)	8.43	8.43	8.43	8.43	8.43	8.43	8.33	8.53
Decachlorobiphenyl		10.25	10.26	10.26	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene		4.52	4.53	4.53	4.52	4.53	4.53	4.43	4.63
Aroclor-1242-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-3	(3)	5.76	5.76	5.77	5.76	5.76	5.76	5.66	5.86
Aroclor-1242-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1242-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.26	10.25	10.26	10.25	10.26	10.26	10.16	10.36
Tetrachloro-m-xylene		4.53	4.52	4.53	4.53	4.53	4.53	4.43	4.63
Aroclor-1248-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1248-2	(2)	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Aroclor-1248-3	(3)	6.15	6.16	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1248-4	(4)	6.55	6.56	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1248-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.26	10.26	10.26	10.26	10.25	10.26	10.16	10.36
Tetrachloro-m-xylene		4.53	4.53	4.53	4.53	4.52	4.53	4.43	4.63
Aroclor-1254-1	(1)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-2	(2)	6.75	6.74	6.75	6.75	6.74	6.75	6.65	6.85
Aroclor-1254-3	(3)	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
Aroclor-1254-4	(4)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Aroclor-1254-5	(5)	7.81	7.80	7.81	7.81	7.81	7.81	7.71	7.91
Decachlorobiphenyl		10.26	10.25	10.26	10.26	10.26	10.26	10.16	10.36
Tetrachloro-m-xylene		4.53	4.52	4.53	4.53	4.52	4.53	4.43	4.63
Aroclor-1268-1	(1)	8.74	8.75	8.75	8.74	8.75	8.75	8.65	8.85
Aroclor-1268-2	(2)	8.84	8.84	8.84	8.84	8.84	8.84	8.74	8.94
Aroclor-1268-3	(3)	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
Aroclor-1268-4	(4)	9.49	9.49	9.49	9.49	9.49	9.49	9.39	9.59
Aroclor-1268-5	(5)	9.91	9.91	9.91	9.91	9.91	9.91	9.81	10.01

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.25	10.25	10.26	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene	4.52	4.53	4.53	4.52	4.53	4.53	4.43	4.63

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02
Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421
Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025
Calibration Times: 14:59 22:17

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

LAB FILE ID: **RT 1000 =** PP069996.D **RT 750 =** PP069997.D
RT 500 = PP069998.D **RT 250 =** PP069999.D **RT 050 =** PP070000.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-3	(3)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-5	(5)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1260-1	(1)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-2	(2)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Aroclor-1260-3	(3)	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Aroclor-1260-4	(4)	7.23	7.23	7.23	7.23	7.23	7.23	7.13	7.33
Aroclor-1260-5	(5)	7.47	7.47	7.47	7.47	7.47	7.47	7.37	7.57
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1242-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-3	(3)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1242-4	(4)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1242-5	(5)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1248-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1248-2	(2)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-3	(3)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1248-4	(4)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1248-5	(5)	5.77	5.77	5.77	5.77	5.77	5.77	5.67	5.87
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1254-1	(1)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-2	(2)	5.88	5.88	5.88	5.88	5.87	5.88	5.78	5.98
Aroclor-1254-3	(3)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1254-4	(4)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1254-5	(5)	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1268-1	(1)	7.75	7.75	7.75	7.75	7.75	7.75	7.65	7.85
Aroclor-1268-2	(2)	7.81	7.82	7.82	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-3	(3)	8.02	8.02	8.02	8.02	8.02	8.02	7.92	8.12
Aroclor-1268-4	(4)	8.32	8.32	8.32	8.31	8.32	8.32	8.22	8.42
Aroclor-1268-5	(5)	8.62	8.62	8.62	8.62	8.62	8.62	8.52	8.72

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene	3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02
Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421
Instrument ID: ECD_P
Calibration Date(s): 02/24/2025 02/24/2025
Calibration Times: 14:59 22:17

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

LAB FILE ID:		CF 1000 = <u>PP069996.D</u>		CF 750 = <u>PP069997.D</u>			
CF 500 = <u>PP069998.D</u>		CF 250 = <u>PP069999.D</u>		CF 050 = <u>PP070000.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	45557625	47855512	49968516	54800208	50948980	49826168
Aroclor-1016-2	(2)	66706952	67781012	72991154	76640772	69769920	70777962
Aroclor-1016-3	(3)	40794671	44579197	45146958	47844192	41247180	43922440
Aroclor-1016-4	(4)	33978080	35043389	37559532	39668600	35057220	36261364
Aroclor-1016-5	(5)	31514906	31680175	34068042	35364724	35064900	33538549
Aroclor-1260-1	(1)	54823994	55486535	59388846	62695304	59405260	58359988
Aroclor-1260-2	(2)	73383444	75987972	80712800	85961116	92581060	81725278
Aroclor-1260-3	(3)	59489338	60560020	64011918	67792592	61951460	62761066
Aroclor-1260-4	(4)	58704582	59596489	63141360	67201512	68361020	63400993
Aroclor-1260-5	(5)	124764910	128178828	134805260	140592412	127581700	131184622
Decachlorobiphenyl		1071742430	1139629213	1165555660	1227723520	1090515400	1139033245
Tetrachloro-m-xylene		1433727050	1435859520	1533424440	1590932200	1344174400	1467623522
Aroclor-1242-1	(1)	38359202	40766156	41566668	47963164	43620760	42455190
Aroclor-1242-2	(2)	56757612	55666953	60328714	62664932	52294440	57542530
Aroclor-1242-3	(3)	34692482	36785992	38528310	46539712	33080140	37925327
Aroclor-1242-4	(4)	28738709	28291829	32018112	32372976	27652280	29814781
Aroclor-1242-5	(5)	32588629	32785485	35429746	39255208	36117200	35235254
Decachlorobiphenyl		1021050090	1049520227	1099648880	1125224680	979176800	1054924135
Tetrachloro-m-xylene		1392047690	1350066600	1467421460	1456806320	1242599600	1381788334
Aroclor-1248-1	(1)	29585124	31433301	32559076	36305496	33667780	32710155
Aroclor-1248-2	(2)	39473771	42013749	42864276	46958912	39450360	42152214
Aroclor-1248-3	(3)	43926772	44170904	46948106	50004072	40811360	45172243
Aroclor-1248-4	(4)	53918087	55655911	58640506	66304332	60297700	58963307
Aroclor-1248-5	(5)	51833391	52919351	56894804	67563228	56719440	57186043
Decachlorobiphenyl		1044729320	1067835560	1119982260	1186291160	1031748600	1090117380
Tetrachloro-m-xylene		1393266240	1426265507	1481945040	1527838200	1310175600	1427898117
Aroclor-1254-1	(1)	51156577	57570420	60622162	67008468	47144000	56700325
Aroclor-1254-2	(2)	78872042	81254612	86985854	93340172	97974740	87685484
Aroclor-1254-3	(3)	79973406	82322503	87641586	92940192	102754200	89126377
Aroclor-1254-4	(4)	66856800	68050653	73453394	76814612	87380160	74511124
Aroclor-1254-5	(5)	65315189	68448207	69620926	72356948	60070200	67162294
Decachlorobiphenyl		1075591380	1094765307	1221801800	1207489520	1097348200	1139399241
Tetrachloro-m-xylene		1443804100	1475957520	1555264320	1605313440	1392239200	1494515716
Aroclor-1268-1	(1)	188433469	184749517	193628348	206851508	186804180	192093404

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	162697797	159627413	168307400	177293676	160000200	165585297	4
Aroclor-1268-3	(3)	141621356	137143849	145386650	153273656	140094780	143504058	4
Aroclor-1268-4	(4)	63392961	60284985	64357574	66970196	60240320	63049207	5
Aroclor-1268-5	(5)	414016384	401287087	418333378	444189832	401775920	415920520	4
Decachlorobiphenyl		1839528480	1828279133	1916502300	2031355480	1847859400	1892704959	4
Tetrachloro-m-xylene		1501238100	1376017987	1532711540	1621137720	1417123400	1489645749	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02
Lab Code: CHEM **Case No.:** Q1421 **SAS No.:** Q1421 **SDG NO.:** Q1421
Instrument ID: ECD_P
Calibration Date(s): 02/24/2025 02/24/2025
Calibration Times: 14:59 22:17

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

LAB FILE ID:		CF 1000 = <u>PP069996.D</u>		CF 750 = <u>PP069997.D</u>			
CF 500 = <u>PP069998.D</u>		CF 250 = <u>PP069999.D</u>		CF 050 = <u>PP070000.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	29885830	30191223	33586918	36186236	37142680	33398577
Aroclor-1016-2	(2)	42247324	42370143	46984138	50510676	50858960	46594248
Aroclor-1016-3	(3)	23325129	22666977	25816242	27757500	25596220	25032414
Aroclor-1016-4	(4)	18421261	17991491	20585360	22152124	21203180	20070683
Aroclor-1016-5	(5)	23822938	23028484	26536406	28616852	27728040	25946544
Aroclor-1260-1	(1)	44977992	45171227	49550340	56779968	51216800	49539265
Aroclor-1260-2	(2)	59688698	59926561	64720792	71640216	71124240	65420101
Aroclor-1260-3	(3)	52251359	51461445	57261004	62988144	77648420	60322074
Aroclor-1260-4	(4)	44361395	45109507	48615116	51524344	54726600	48867392
Aroclor-1260-5	(5)	111484150	113477796	119592622	125243744	126075940	119174850
Decachlorobiphenyl		984571270	1029317907	1118262220	1135932120	1152437600	1084104223
Tetrachloro-m-xylene		879784240	907640400	952717360	1058760600	981262000	956032920
Aroclor-1242-1	(1)	25489035	24475017	27848416	27117444	28407820	26667546
Aroclor-1242-2	(2)	35977820	35199769	38539928	39076044	37212540	37201220
Aroclor-1242-3	(3)	19863858	18273261	20997152	20082888	19211500	19685732
Aroclor-1242-4	(4)	18777771	17922656	19968364	21100536	20505160	19654897
Aroclor-1242-5	(5)	24360224	22407967	26366090	27368000	23855560	24871568
Decachlorobiphenyl		899284040	984619373	1017502000	1027377360	962336000	978223755
Tetrachloro-m-xylene		920809800	854904253	959106780	929536920	894966400	911864831
Aroclor-1248-1	(1)	19339318	20312839	22158310	22596092	21441940	21169700
Aroclor-1248-2	(2)	25841628	26874321	28982946	30984640	28578600	28252427
Aroclor-1248-3	(3)	26866525	28025000	30088164	32810700	30987640	29755606
Aroclor-1248-4	(4)	31739244	33065895	35285822	36808472	38827540	35145395
Aroclor-1248-5	(5)	32923317	34190145	36090288	38291344	39345240	36168067
Decachlorobiphenyl		999826530	1002616133	1003875200	1054961080	1165261200	1045308029
Tetrachloro-m-xylene		903111320	931293867	957405100	986258320	972075400	950028801
Aroclor-1254-1	(1)	50279933	51640439	55752488	60013056	55160920	54569367
Aroclor-1254-2	(2)	44271421	45567105	49578352	53549416	50761380	48745535
Aroclor-1254-3	(3)	70979950	72598121	78881282	84287020	72336540	75816583
Aroclor-1254-4	(4)	50771725	50149405	54249580	57298592	44830820	51460024
Aroclor-1254-5	(5)	64408865	66088107	72696700	75630908	59021560	67569228
Decachlorobiphenyl		963124600	1013018133	1145558760	1245512000	1148271200	1103096939
Tetrachloro-m-xylene		957176240	952284093	991535260	1081903280	978837400	992347255
Aroclor-1268-1	(1)	160284327	157759444	159569126	170516088	180615940	165748985

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	139528496	137224495	137304354	146542344	164608100	145041558	8
Aroclor-1268-3	(3)	118669811	115934707	120470364	129761704	127485360	122464389	5
Aroclor-1268-4	(4)	50956768	50155827	52914114	57814536	54084040	53185057	6
Aroclor-1268-5	(5)	345492428	353062379	344150492	366619864	366772500	355219533	3
Decachlorobiphenyl		1574839450	1670989493	1686779340	1791292760	1882315600	1721243329	7
Tetrachloro-m-xylene		969499550	855552893	995885280	1076293640	1034726400	986391553	8



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Instrument ID: ECD_P Date(s) Analyzed: 02/24/2025 02/24/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.73	4.63	4.83	18915900
		2	4.81	4.71	4.91	14591600
		3	4.89	4.79	4.99	43158200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.89	4.79	4.99	32884000
		2	5.42	5.32	5.52	16260200
		3	5.70	5.60	5.80	34867200
		4	5.86	5.76	5.96	17799400
		5	5.95	5.85	6.05	12607200
Aroclor-1262	500	1	8.11	8.01	8.21	80729000
		2	8.43	8.33	8.53	161087000
		3	8.75	8.65	8.85	110612000
		4	8.84	8.74	8.94	83914000
		5	9.49	9.39	9.59	58804600



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Instrument ID: ECD_P Date(s) Analyzed: 02/24/2025 02/24/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.04	3.94	4.14	13421200
		2	4.13	4.03	4.23	10166200
		3	4.21	4.11	4.31	30359600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.21	4.11	4.31	22742000
		2	4.94	4.84	5.04	22833200
		3	5.12	5.02	5.22	12024000
		4	5.20	5.10	5.30	10865300
		5	5.37	5.27	5.47	11305400
Aroclor-1262	500	1	6.97	6.87	7.07	83475400
		2	7.23	7.13	7.33	66291000
		3	7.75	7.65	7.85	60580400
		4	7.81	7.71	7.91	105474000
		5	8.32	8.22	8.42	51930200

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 14:59
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:02:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.523	3.829	143.4E6	87978424	93.498	92.345
2) SA Decachlor...	10.252	8.887	107.2E6	98457127	91.951	88.045
Target Compounds						
3) L1 AR-1016-1	5.675	4.919	45557625	29885830	911.727	889.806
4) L1 AR-1016-2	5.697	4.938	66706952	42247324	913.905	899.183
5) L1 AR-1016-3	5.760	5.115	40794671	23325129	903.597	903.506
6) L1 AR-1016-4	5.857	5.157	33978080	18421261	904.646	894.872
7) L1 AR-1016-5	6.150	5.373	31514906	23822938	925.058	897.745
31) L7 AR-1260-1	7.270	6.411	54823994	44977992	923.136	907.723
32) L7 AR-1260-2	7.524	6.598	73383444	59688698	909.192	922.249
33) L7 AR-1260-3	7.882	6.752	59489338	52251359	929.348	912.512
34) L7 AR-1260-4	8.107	7.225	58704582	44361395	929.733	912.502
35) L7 AR-1260-5	8.427	7.466	124.8E6	111.5E6	925.520	932.199

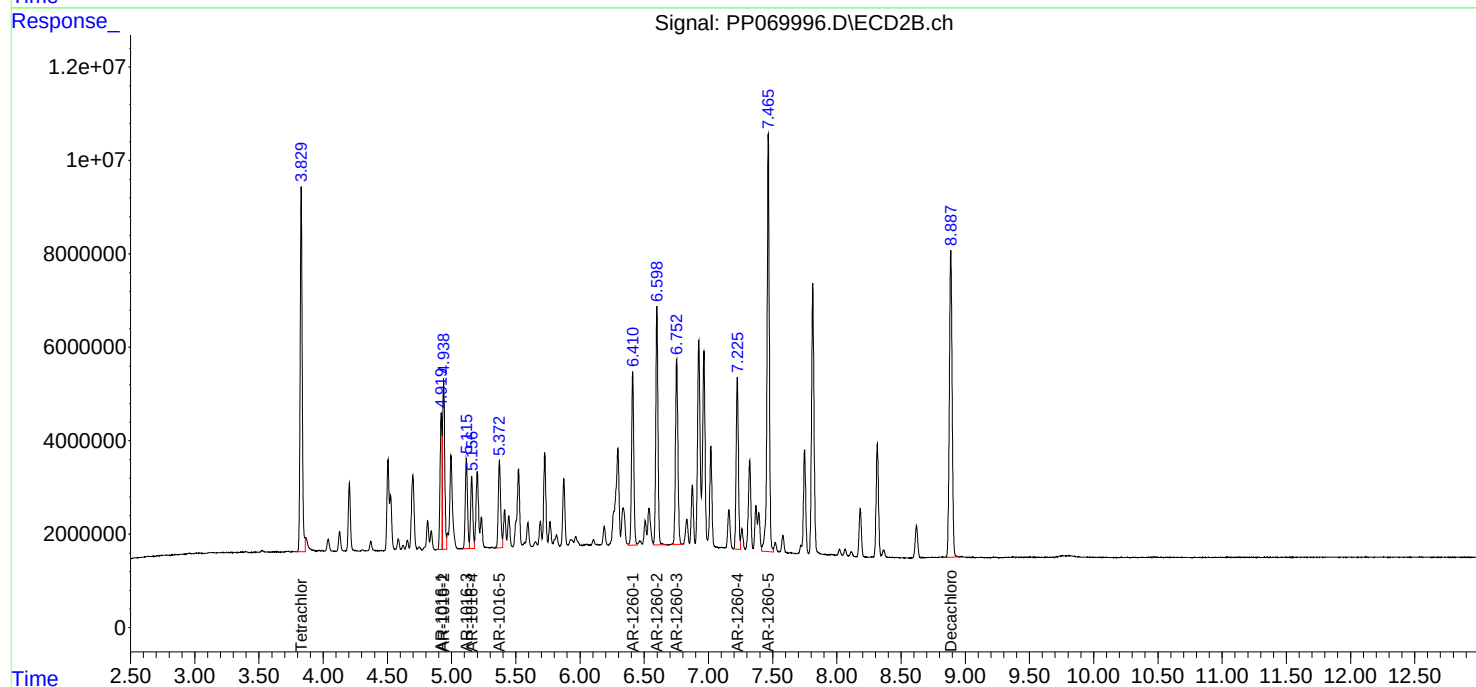
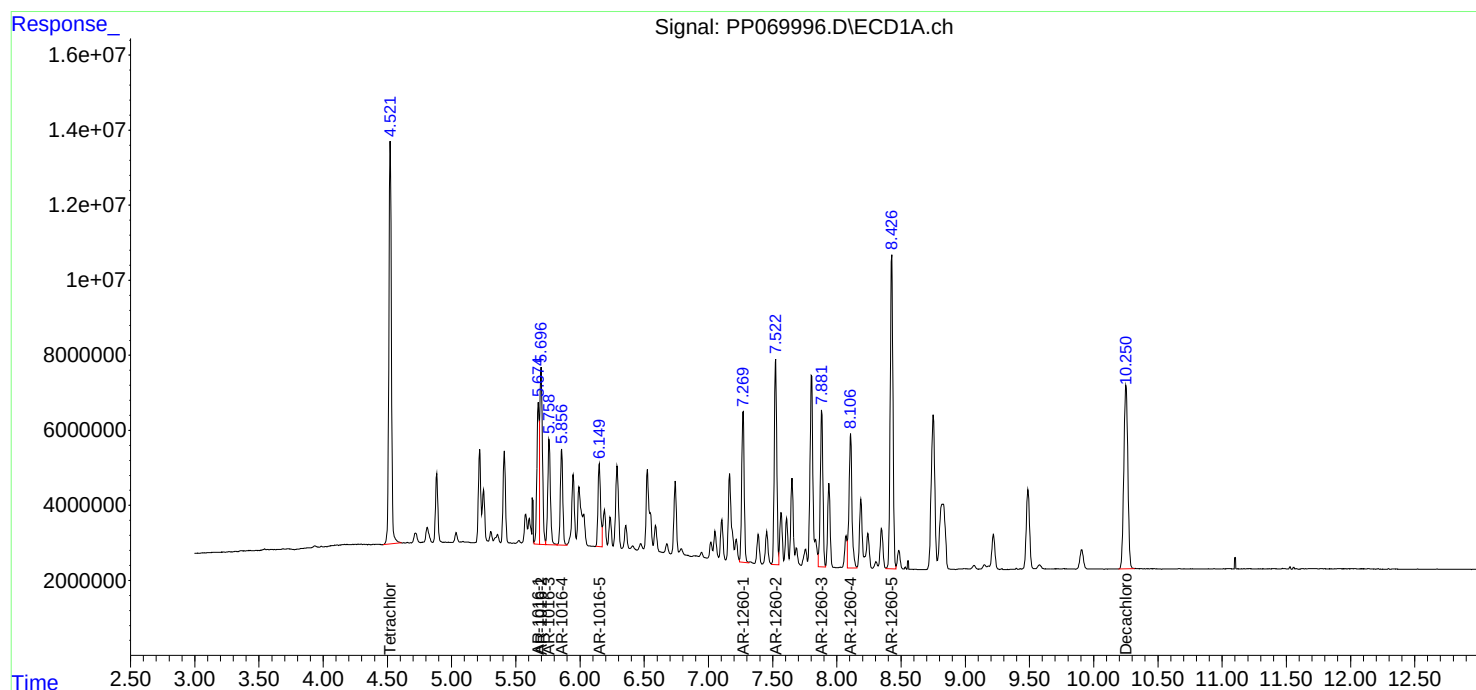
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

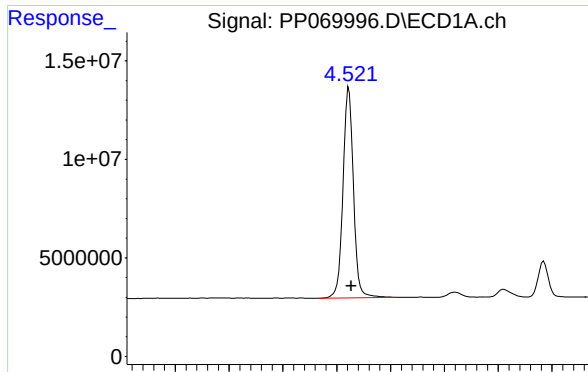
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 14:59
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:02:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

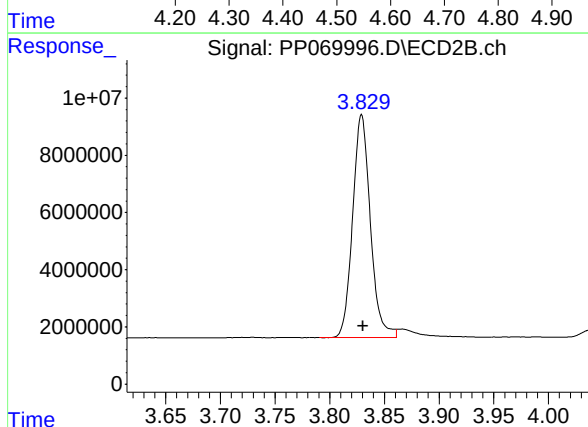




#1 Tetrachloro-m-xylene

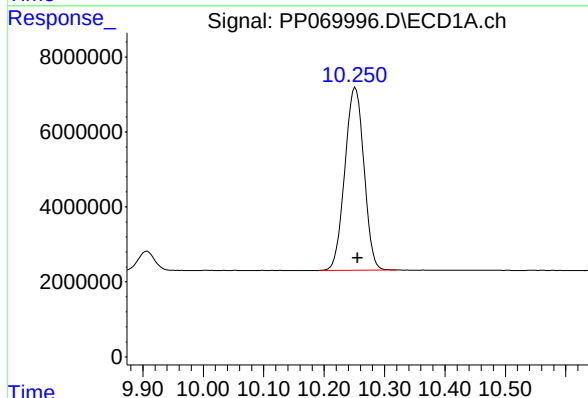
R.T.: 4.523 min
Delta R.T.: -0.004 min
Response: 143372705
Conc: 93.50 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



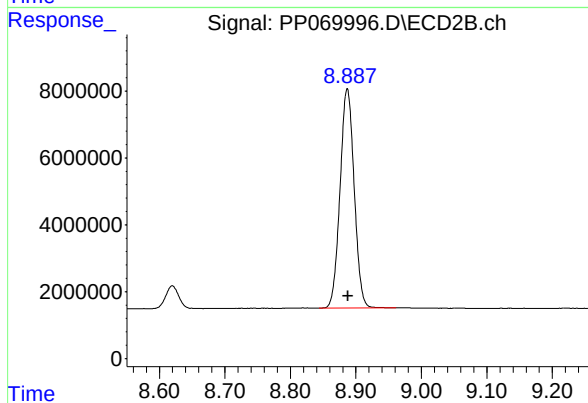
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.001 min
Response: 87978424
Conc: 92.34 ng/ml



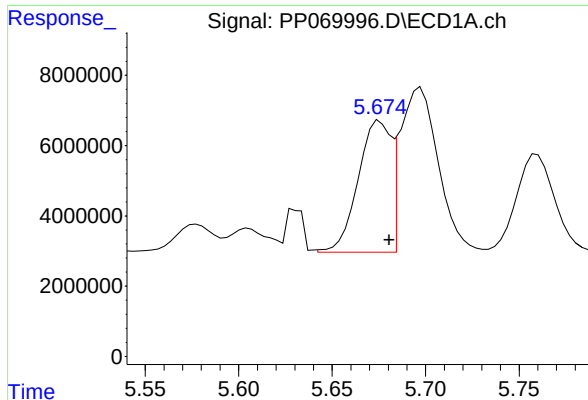
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.004 min
Response: 107174243
Conc: 91.95 ng/ml



#2 Decachlorobiphenyl

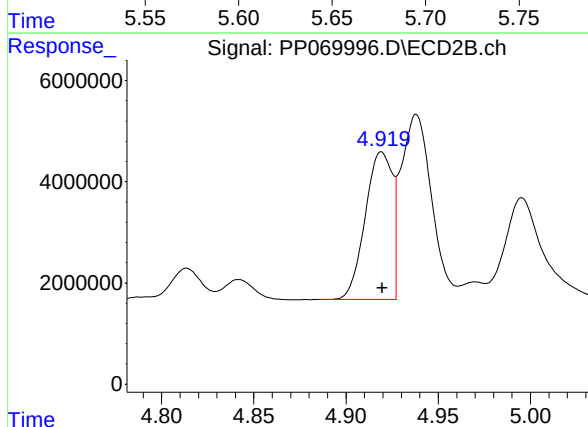
R.T.: 8.887 min
Delta R.T.: -0.001 min
Response: 98457127
Conc: 88.04 ng/ml



#3 AR-1016-1

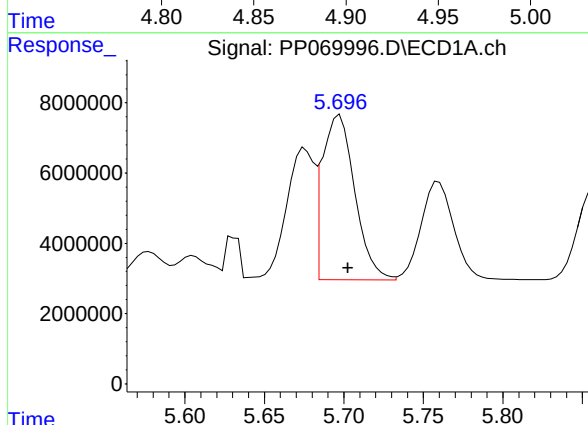
R.T.: 5.675 min
Delta R.T.: -0.005 min
Response: 45557625
Conc: 911.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



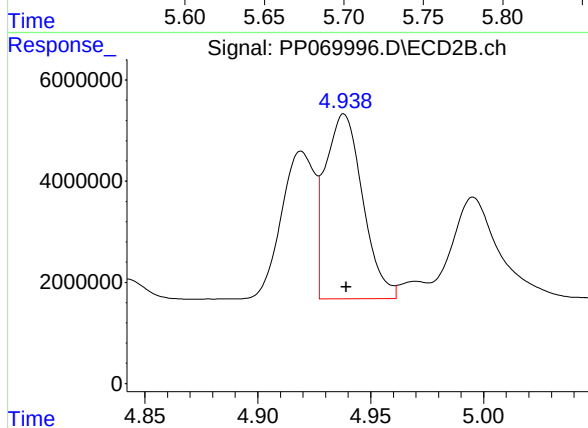
#3 AR-1016-1

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 29885830
Conc: 889.81 ng/ml



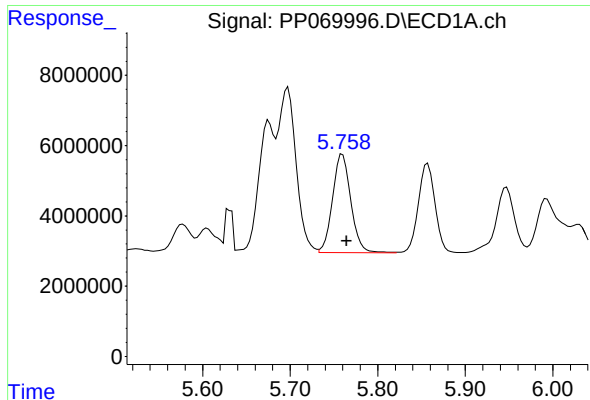
#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.005 min
Response: 66706952
Conc: 913.90 ng/ml



#4 AR-1016-2

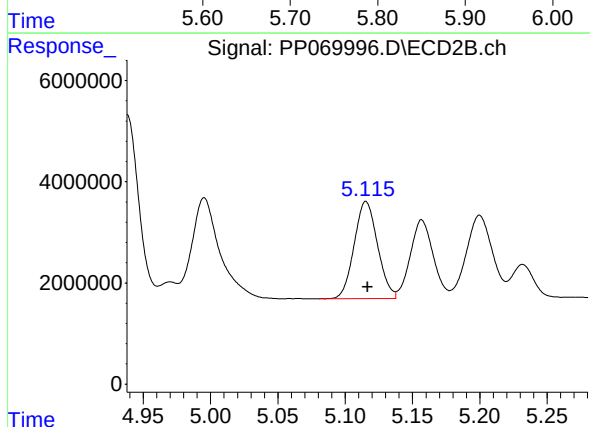
R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 42247324
Conc: 899.18 ng/ml



#5 AR-1016-3

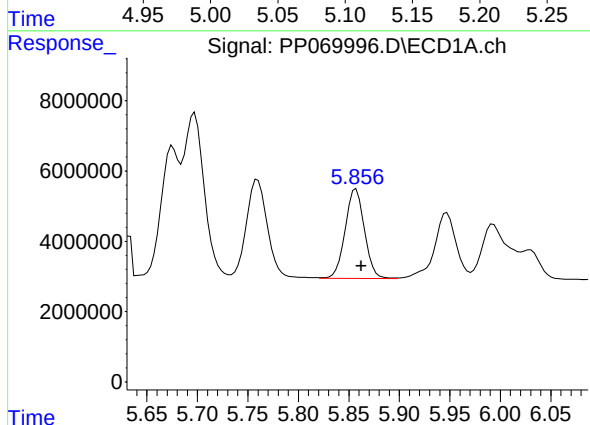
R.T.: 5.760 min
Delta R.T.: -0.005 min
Response: 40794671
Conc: 903.60 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



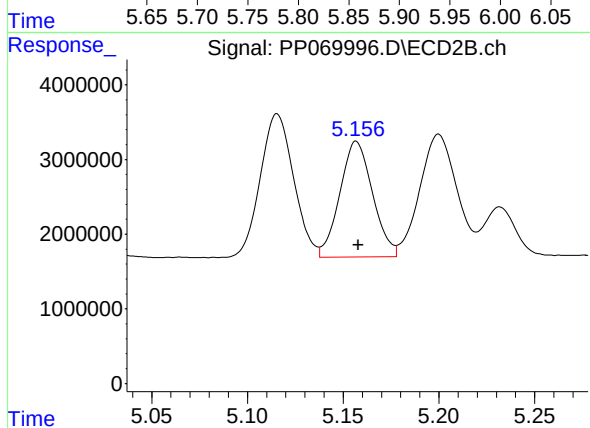
#5 AR-1016-3

R.T.: 5.115 min
Delta R.T.: -0.001 min
Response: 23325129
Conc: 903.51 ng/ml



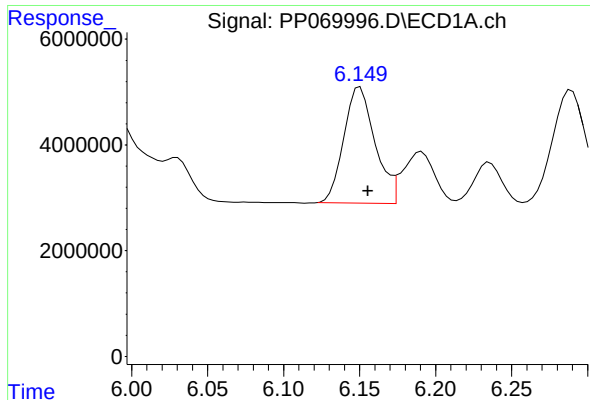
#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.005 min
Response: 33978080
Conc: 904.65 ng/ml



#6 AR-1016-4

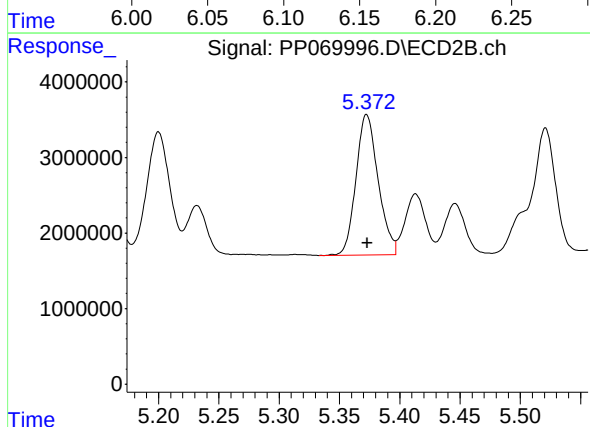
R.T.: 5.157 min
Delta R.T.: -0.001 min
Response: 18421261
Conc: 894.87 ng/ml



#7 AR-1016-5

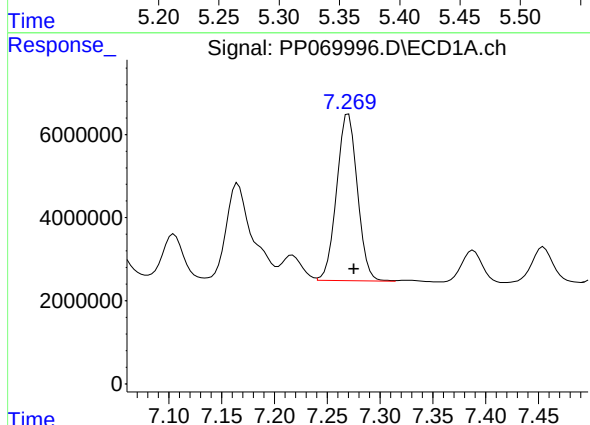
R.T.: 6.150 min
Delta R.T.: -0.005 min
Response: 31514906
Conc: 925.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



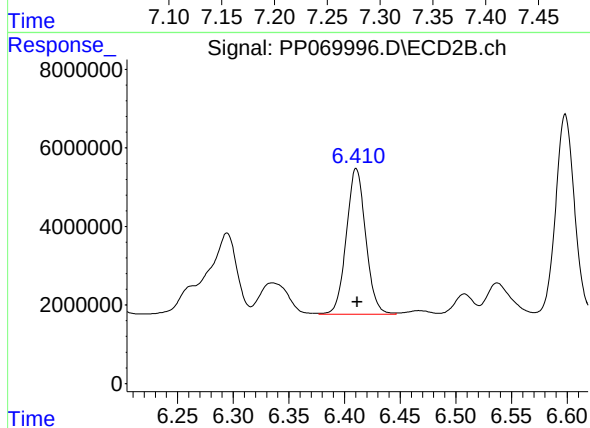
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 23822938
Conc: 897.75 ng/ml



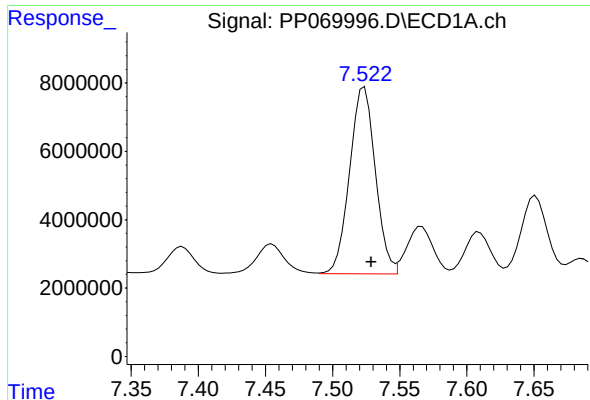
#31 AR-1260-1

R.T.: 7.270 min
Delta R.T.: -0.005 min
Response: 54823994
Conc: 923.14 ng/ml



#31 AR-1260-1

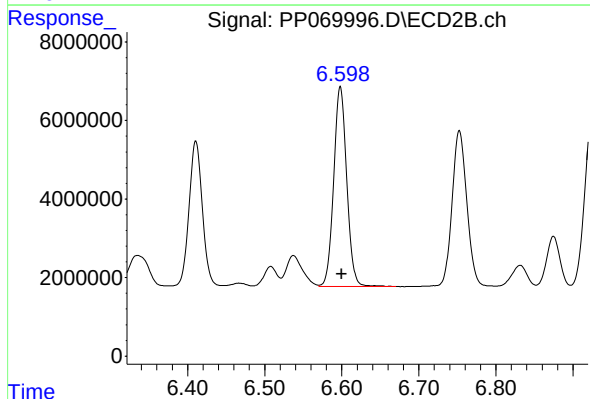
R.T.: 6.411 min
Delta R.T.: -0.001 min
Response: 44977992
Conc: 907.72 ng/ml



#32 AR-1260-2

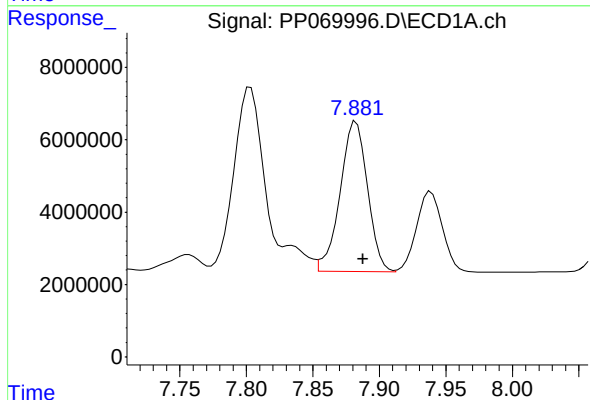
R.T.: 7.524 min
Delta R.T.: -0.005 min
Response: 73383444
Conc: 909.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



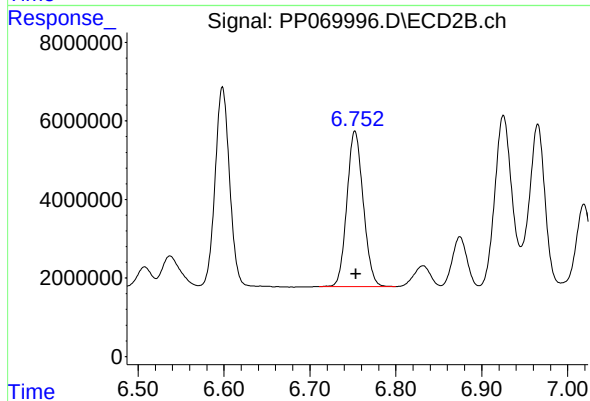
#32 AR-1260-2

R.T.: 6.598 min
Delta R.T.: -0.001 min
Response: 59688698
Conc: 922.25 ng/ml



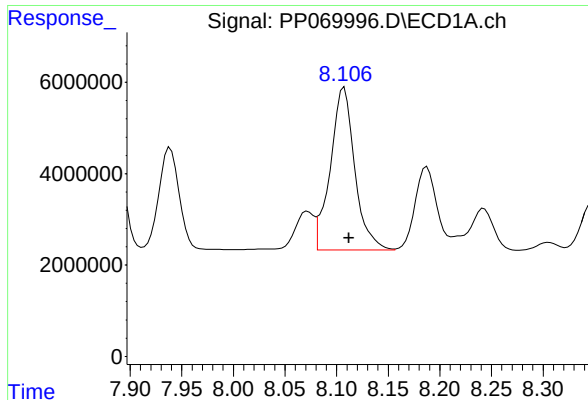
#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: -0.005 min
Response: 59489338
Conc: 929.35 ng/ml



#33 AR-1260-3

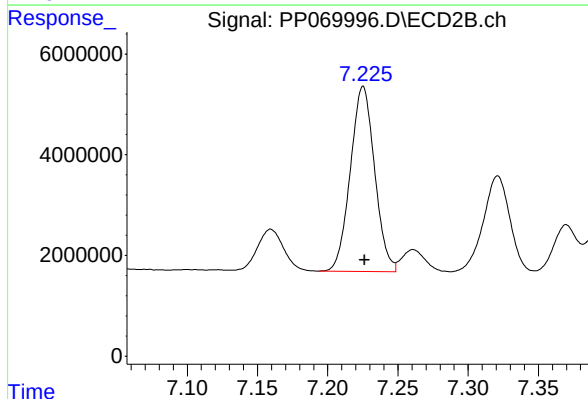
R.T.: 6.752 min
Delta R.T.: -0.001 min
Response: 52251359
Conc: 912.51 ng/ml



#34 AR-1260-4

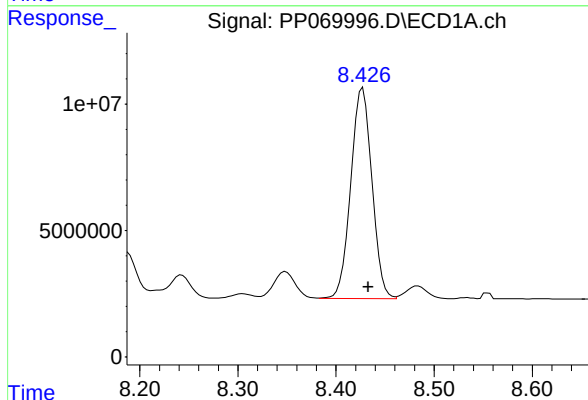
R.T.: 8.107 min
Delta R.T.: -0.005 min
Response: 58704582
Conc: 929.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC1000



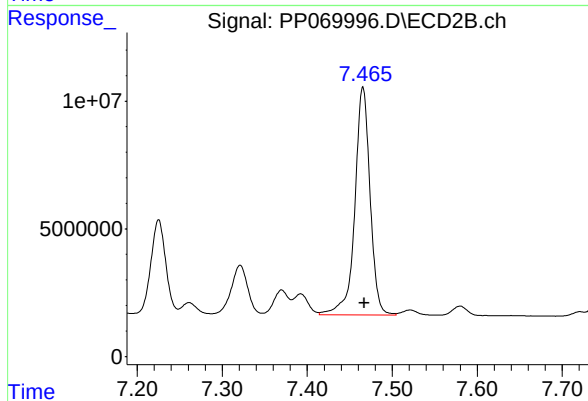
#34 AR-1260-4

R.T.: 7.225 min
Delta R.T.: 0.000 min
Response: 44361395
Conc: 912.50 ng/ml



#35 AR-1260-5

R.T.: 8.427 min
Delta R.T.: -0.006 min
Response: 124764910
Conc: 925.52 ng/ml



#35 AR-1260-5

R.T.: 7.466 min
Delta R.T.: -0.001 min
Response: 111484150
Conc: 932.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:15
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.829	107.7E6	68073030	70.228	71.451
2) SA Decachlor...	10.255	8.888	85472191	77198843	73.332	69.035
Target Compounds						
3) L1 AR-1016-1	5.680	4.919	35891634	22643417	718.285	674.174
4) L1 AR-1016-2	5.702	4.938	50835759	31777607	696.465	676.348
5) L1 AR-1016-3	5.764	5.116	33434398	17000233	740.568	658.509
6) L1 AR-1016-4	5.861	5.158	26282542	13493618	699.757	655.496
7) L1 AR-1016-5	6.154	5.373	23760131	17271363	697.432	650.855
31) L7 AR-1260-1	7.274	6.411	41614901	33878420	700.719	683.717
32) L7 AR-1260-2	7.528	6.599	56990979	44944921	706.096	694.443
33) L7 AR-1260-3	7.886	6.752	45420015	38596084	709.556	674.038
34) L7 AR-1260-4	8.111	7.225	44697367	33832130	707.894	695.918
35) L7 AR-1260-5	8.431	7.466	96134121	85108347	713.133	711.652

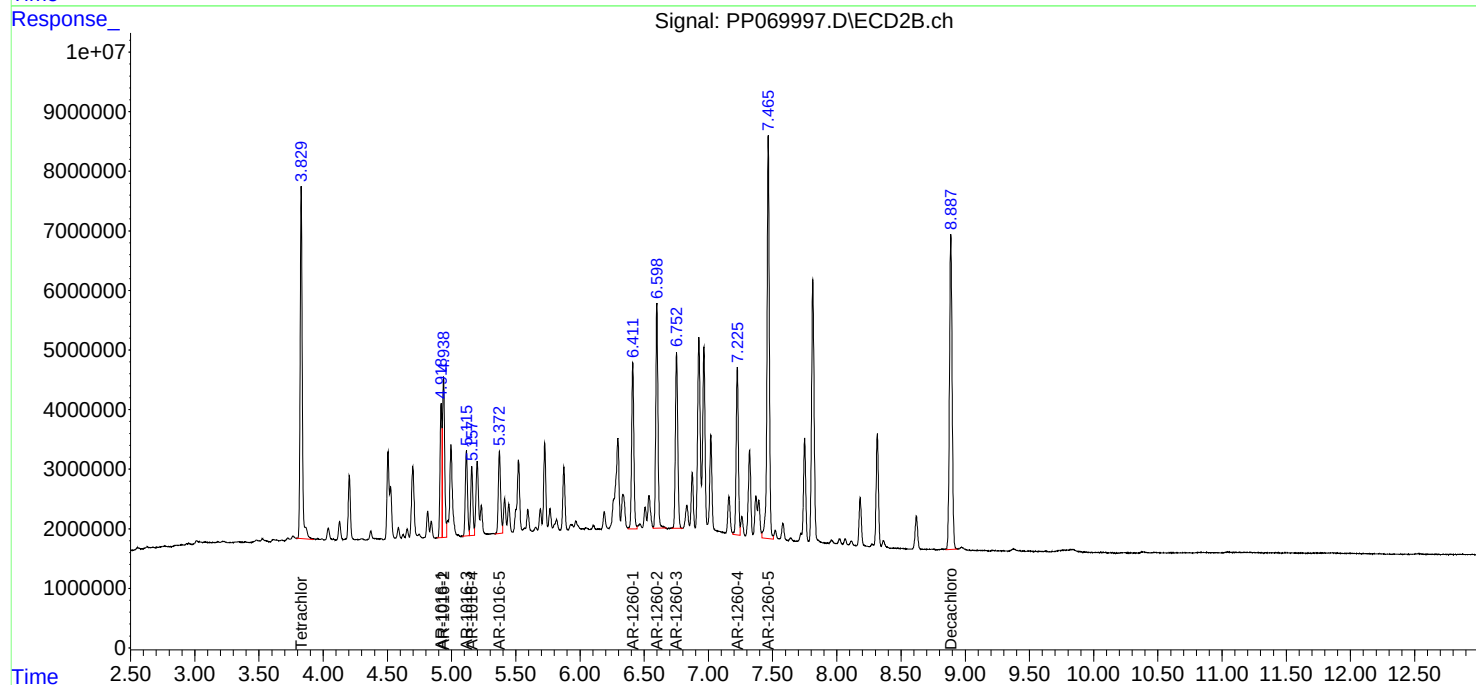
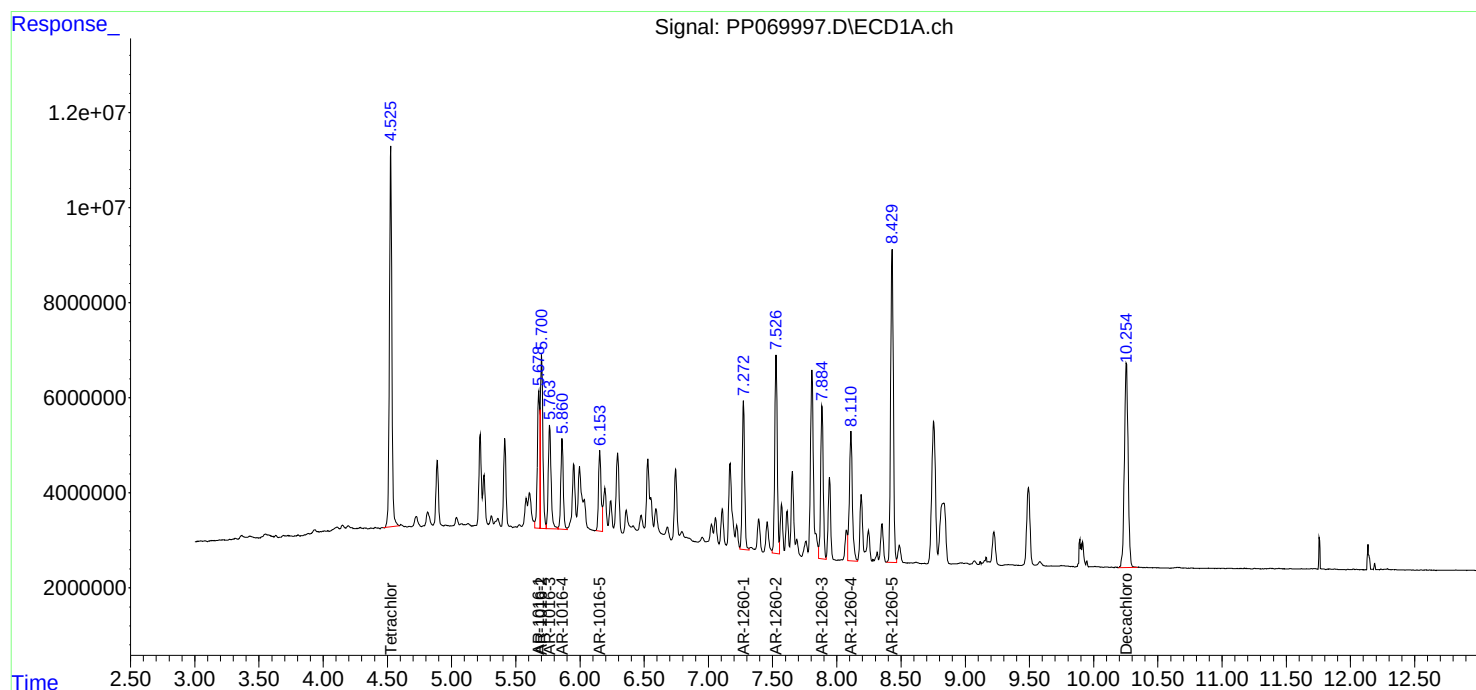
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

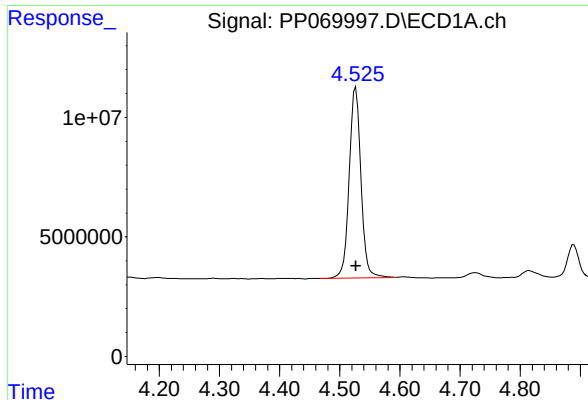
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:15
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

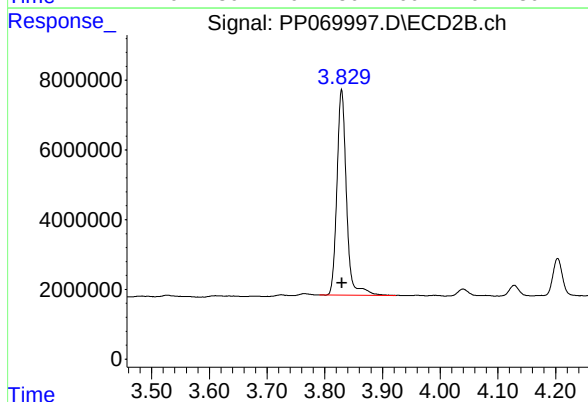




#1 Tetrachloro-m-xylene

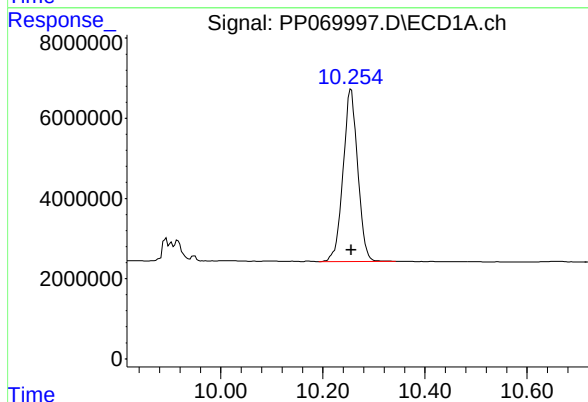
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 107689464
Conc: 70.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



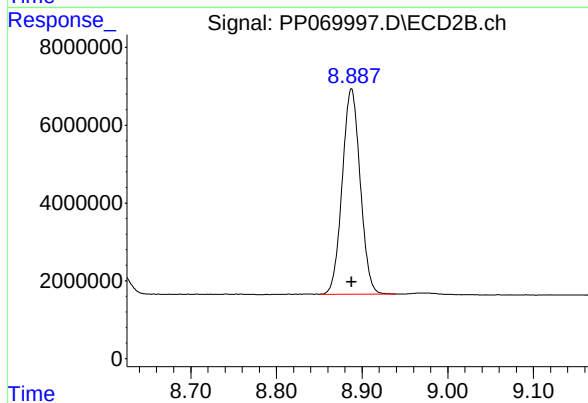
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.001 min
Response: 68073030
Conc: 71.45 ng/ml



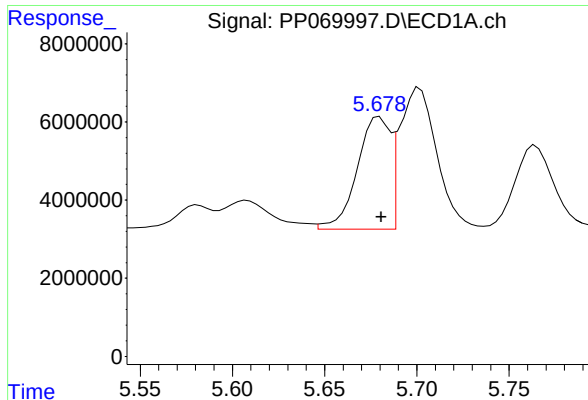
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 85472191
Conc: 73.33 ng/ml



#2 Decachlorobiphenyl

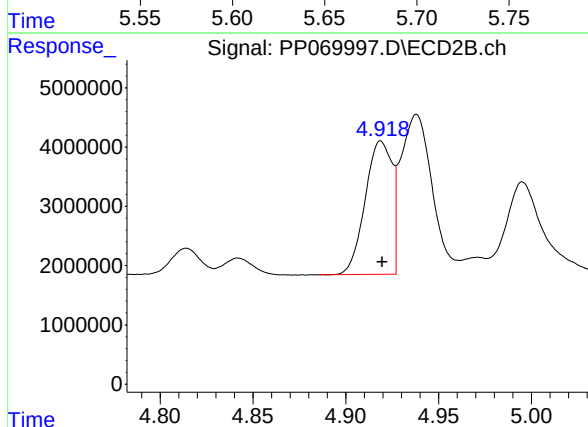
R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 77198843
Conc: 69.03 ng/ml



#3 AR-1016-1

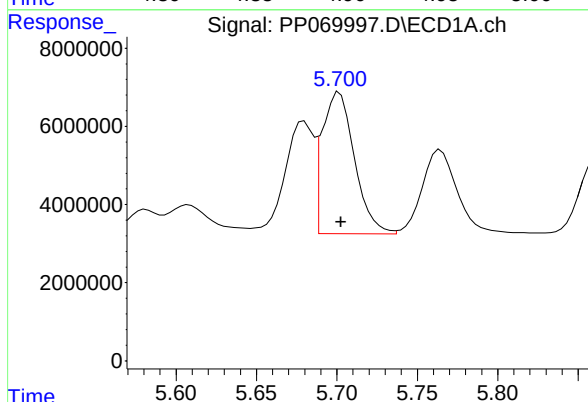
R.T.: 5.680 min
Delta R.T.: -0.001 min
Response: 35891634
Conc: 718.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



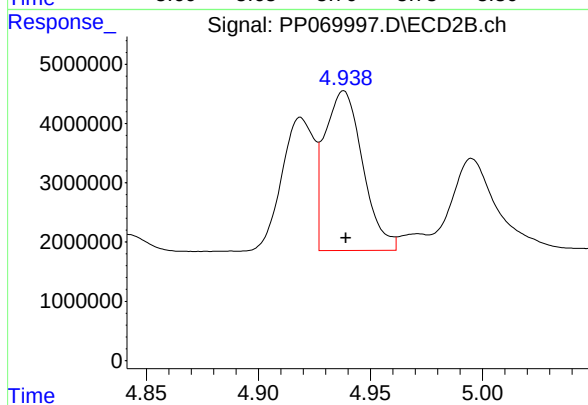
#3 AR-1016-1

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 22643417
Conc: 674.17 ng/ml



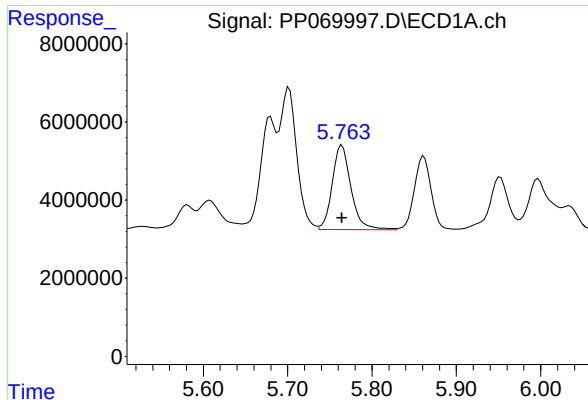
#4 AR-1016-2

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 50835759
Conc: 696.46 ng/ml



#4 AR-1016-2

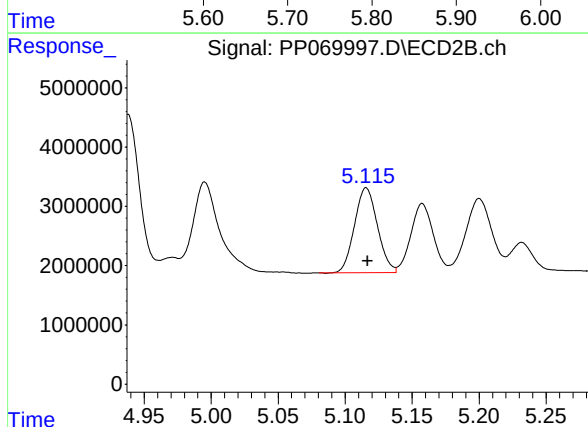
R.T.: 4.938 min
Delta R.T.: -0.001 min
Response: 31777607
Conc: 676.35 ng/ml



#5 AR-1016-3

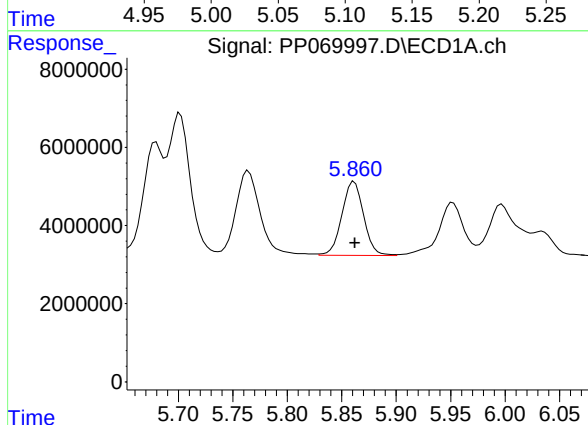
R.T.: 5.764 min
Delta R.T.: 0.000 min
Response: 33434398
Conc: 740.57 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



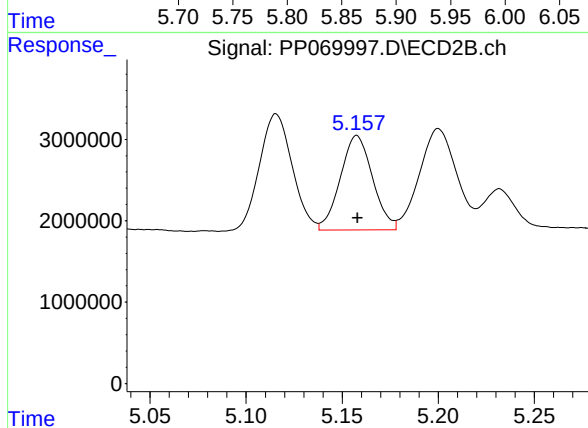
#5 AR-1016-3

R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 17000233
Conc: 658.51 ng/ml



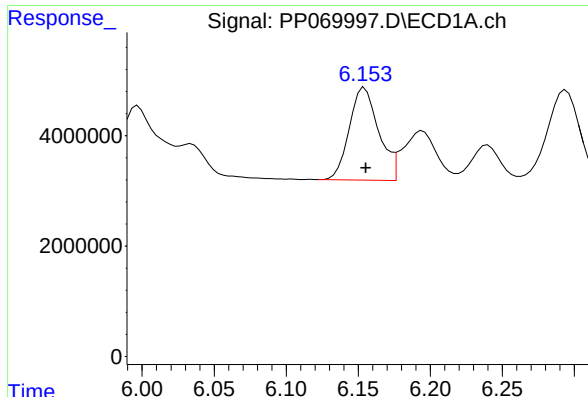
#6 AR-1016-4

R.T.: 5.861 min
Delta R.T.: 0.000 min
Response: 26282542
Conc: 699.76 ng/ml



#6 AR-1016-4

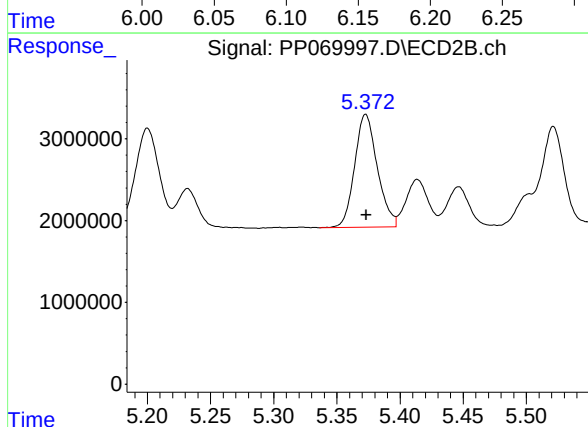
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 13493618
Conc: 655.50 ng/ml



#7 AR-1016-5

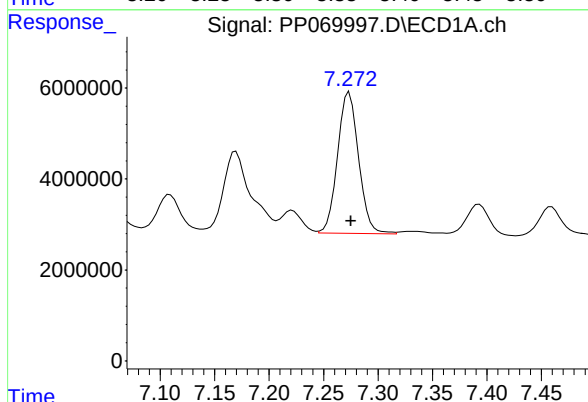
R.T.: 6.154 min
Delta R.T.: -0.001 min
Response: 23760131
Conc: 697.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



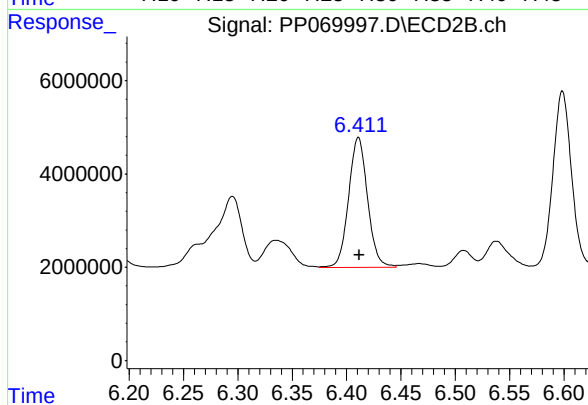
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 17271363
Conc: 650.86 ng/ml



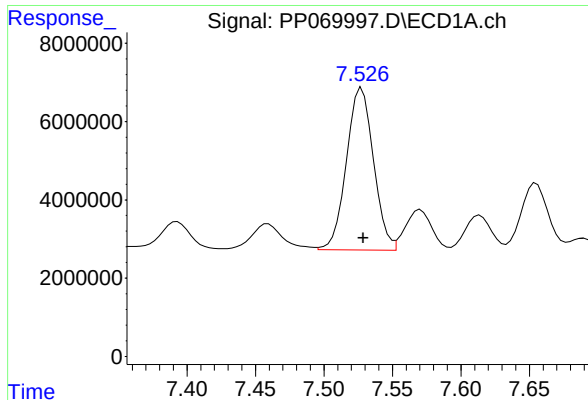
#31 AR-1260-1

R.T.: 7.274 min
Delta R.T.: -0.002 min
Response: 41614901
Conc: 700.72 ng/ml



#31 AR-1260-1

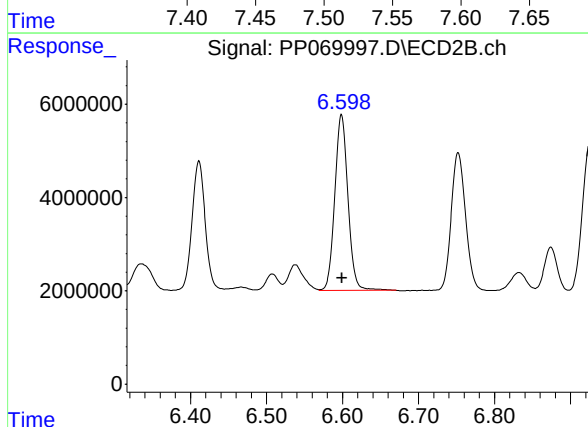
R.T.: 6.411 min
Delta R.T.: 0.000 min
Response: 33878420
Conc: 683.72 ng/ml



#32 AR-1260-2

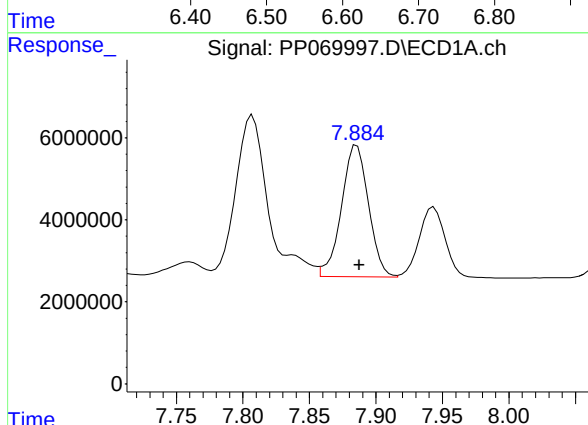
R.T.: 7.528 min
Delta R.T.: -0.001 min
Response: 56990979
Conc: 706.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



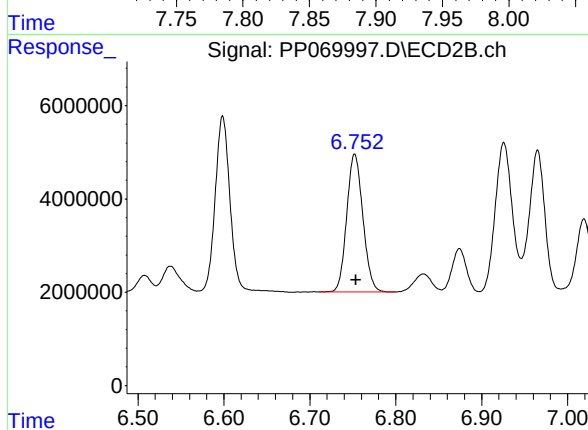
#32 AR-1260-2

R.T.: 6.599 min
Delta R.T.: -0.001 min
Response: 44944921
Conc: 694.44 ng/ml



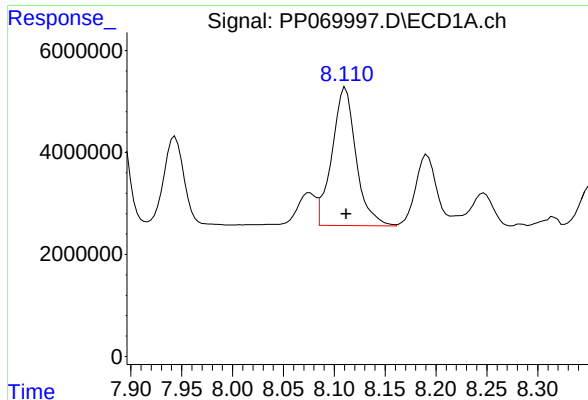
#33 AR-1260-3

R.T.: 7.886 min
Delta R.T.: -0.002 min
Response: 45420015
Conc: 709.56 ng/ml



#33 AR-1260-3

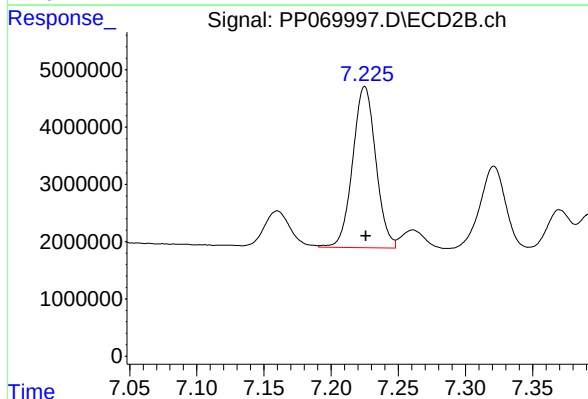
R.T.: 6.752 min
Delta R.T.: -0.001 min
Response: 38596084
Conc: 674.04 ng/ml



#34 AR-1260-4

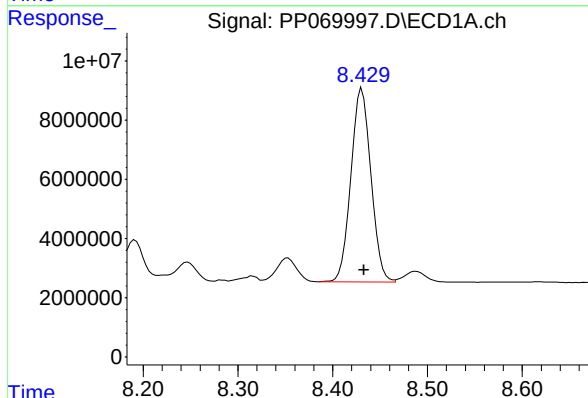
R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 44697367
Conc: 707.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC750



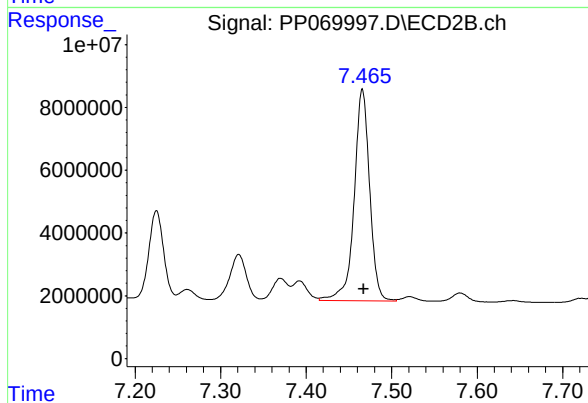
#34 AR-1260-4

R.T.: 7.225 min
Delta R.T.: -0.001 min
Response: 33832130
Conc: 695.92 ng/ml



#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: -0.002 min
Response: 96134121
Conc: 713.13 ng/ml



#35 AR-1260-5

R.T.: 7.466 min
Delta R.T.: -0.001 min
Response: 85108347
Conc: 711.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP069998.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 15:32
 Operator : YP\AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 01:03:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 01:02:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.830	76671222	47635868	50.000	50.000
2) SA Decachlor...	10.256	8.888	58277783	55913111	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.681	4.920	24984258	16793459	500.000	500.000
4) L1 AR-1016-2	5.702	4.939	36495577	23492069	500.000	500.000
5) L1 AR-1016-3	5.765	5.117	22573479	12908121	500.000	500.000
6) L1 AR-1016-4	5.862	5.158	18779766	10292680	500.000	500.000
7) L1 AR-1016-5	6.156	5.373	17034021	13268203	500.000	500.000
31) L7 AR-1260-1	7.275	6.412	29694423	24775170	500.000	500.000
32) L7 AR-1260-2	7.529	6.600	40356400	32360396	500.000	500.000
33) L7 AR-1260-3	7.888	6.754	32005959	28630502	500.000	500.000
34) L7 AR-1260-4	8.112	7.226	31570680	24307558	500.000	500.000
35) L7 AR-1260-5	8.433	7.467	67402630	59796311	500.000	500.000

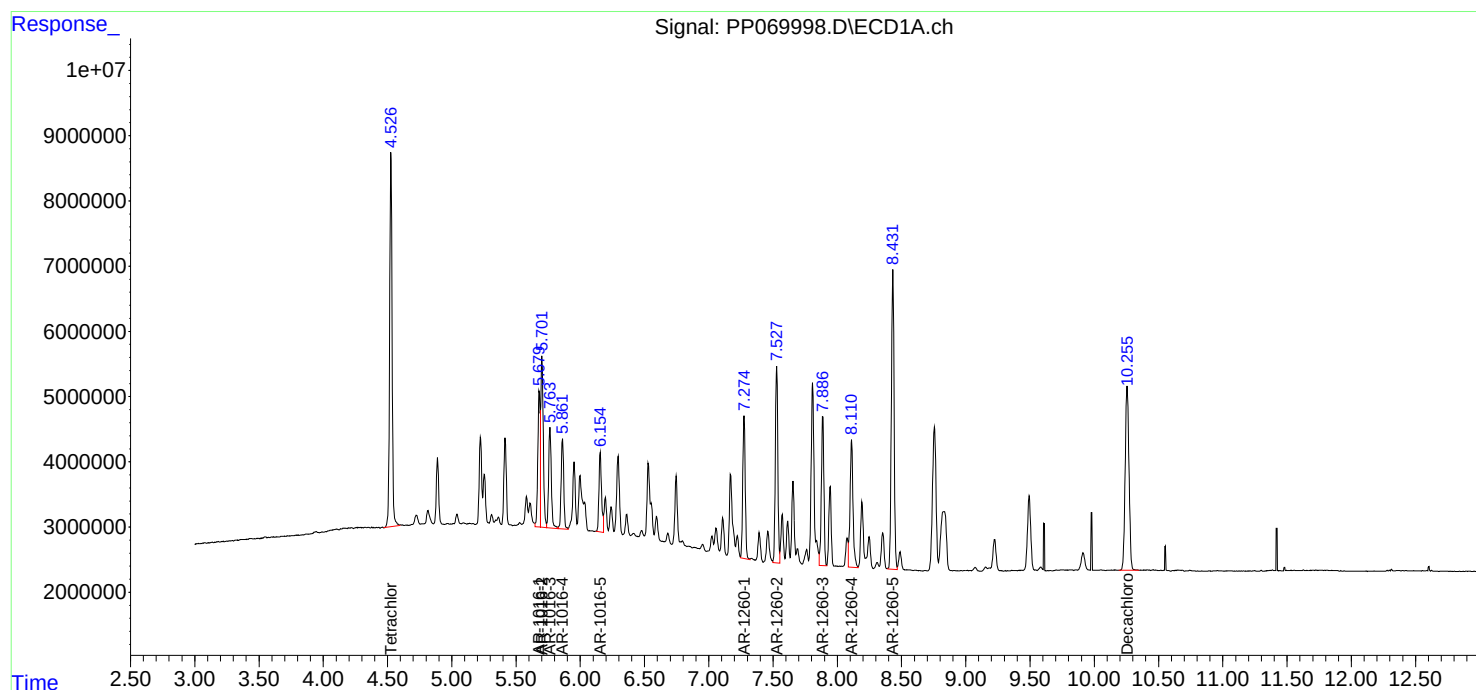
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

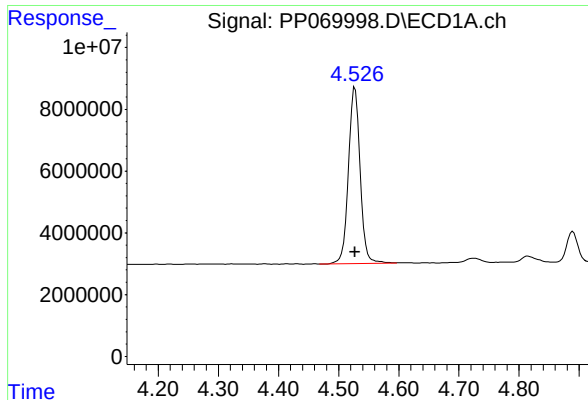
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:32
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

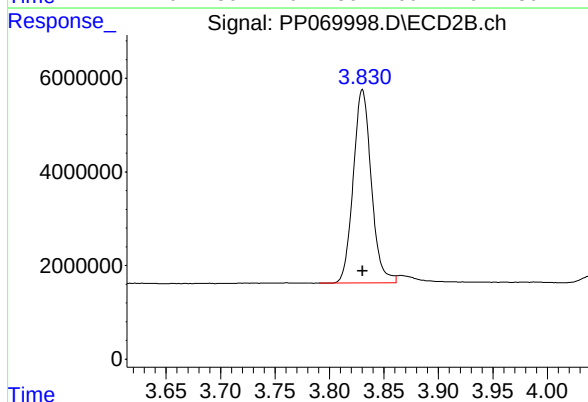




#1 Tetrachloro-m-xylene

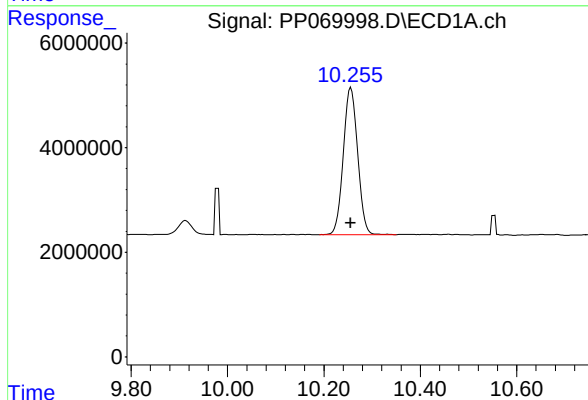
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 76671222
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



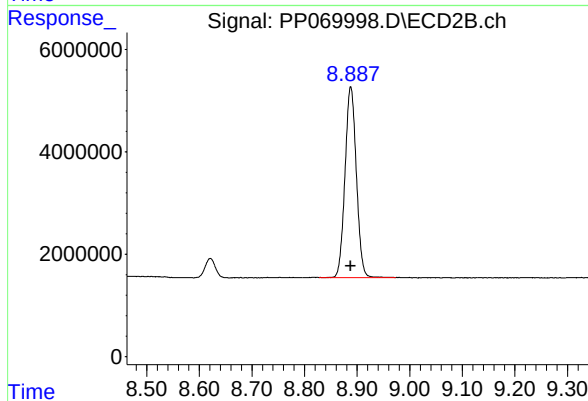
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 47635868
Conc: 50.00 ng/ml



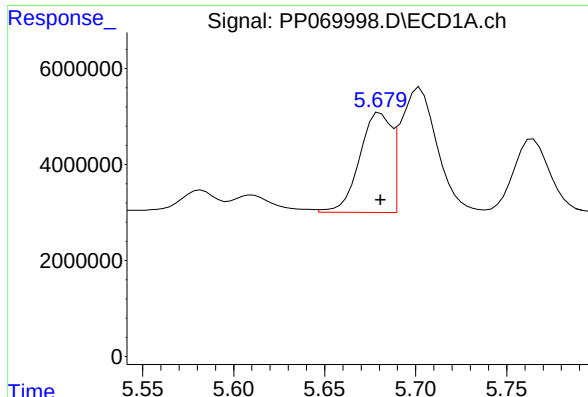
#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: 0.000 min
Response: 58277783
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

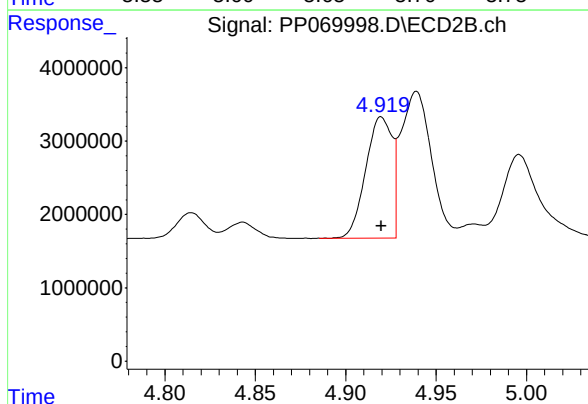
R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 55913111
Conc: 50.00 ng/ml



#3 AR-1016-1

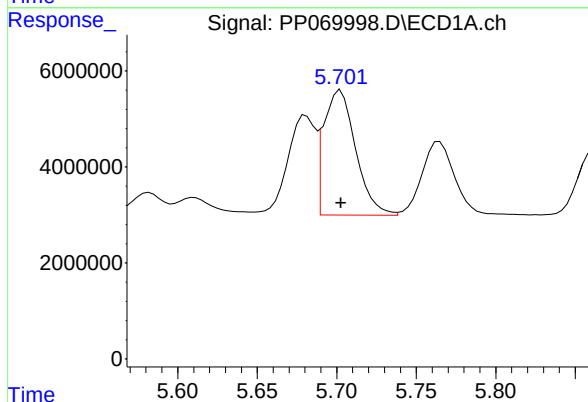
R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 24984258
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



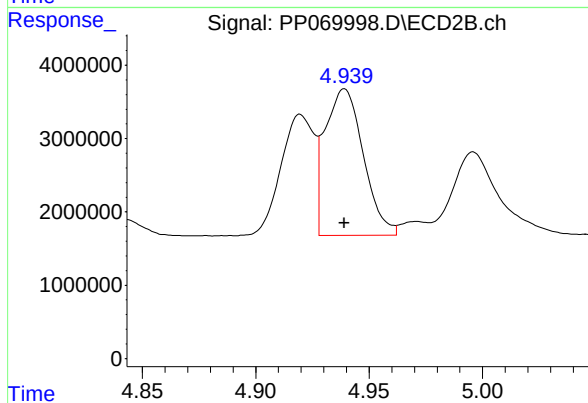
#3 AR-1016-1

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 16793459
Conc: 500.00 ng/ml



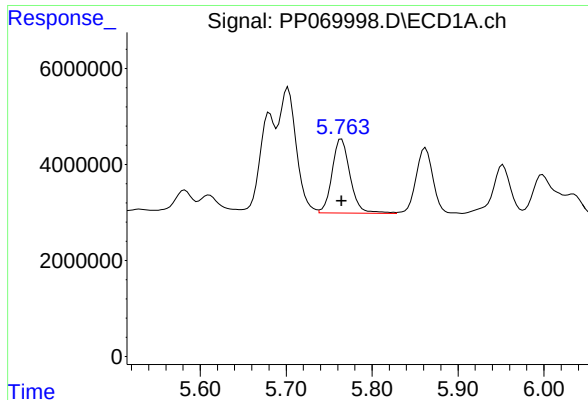
#4 AR-1016-2

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 36495577
Conc: 500.00 ng/ml



#4 AR-1016-2

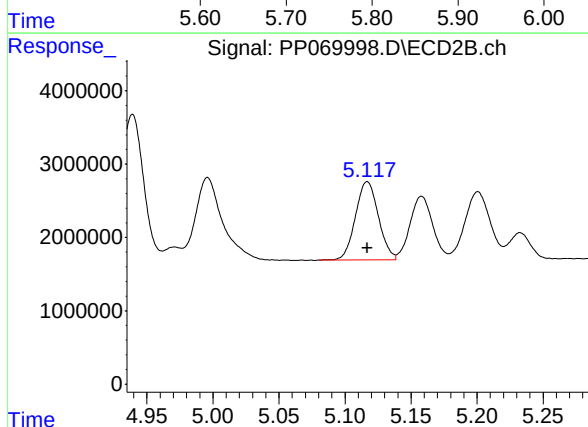
R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 23492069
Conc: 500.00 ng/ml



#5 AR-1016-3

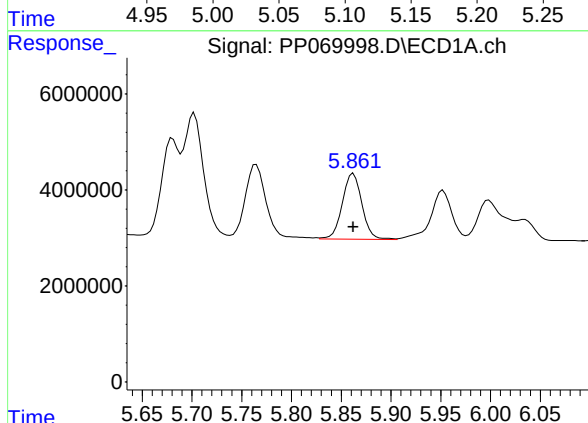
R.T.: 5.765 min
Delta R.T.: 0.000 min
Response: 22573479
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



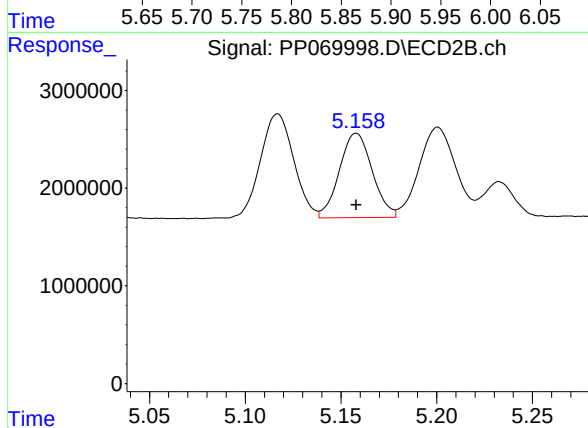
#5 AR-1016-3

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 12908121
Conc: 500.00 ng/ml



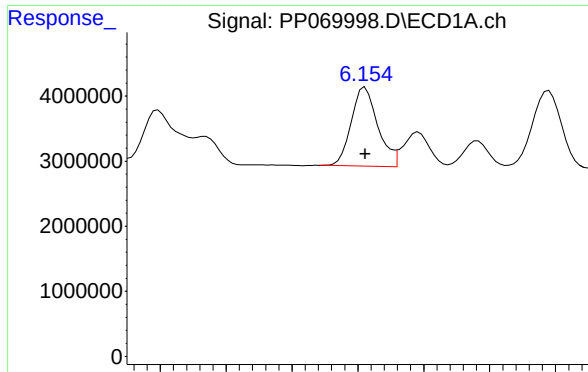
#6 AR-1016-4

R.T.: 5.862 min
Delta R.T.: 0.000 min
Response: 18779766
Conc: 500.00 ng/ml



#6 AR-1016-4

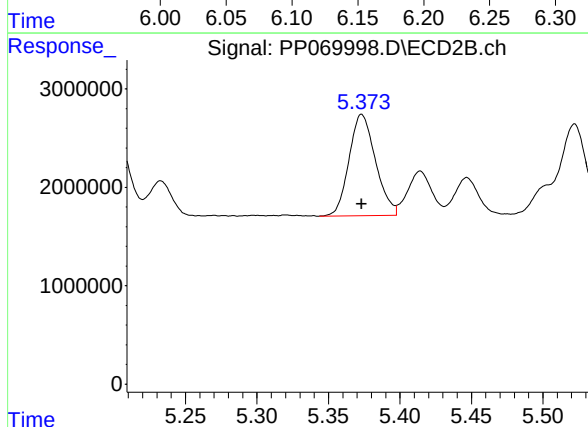
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 10292680
Conc: 500.00 ng/ml



#7 AR-1016-5

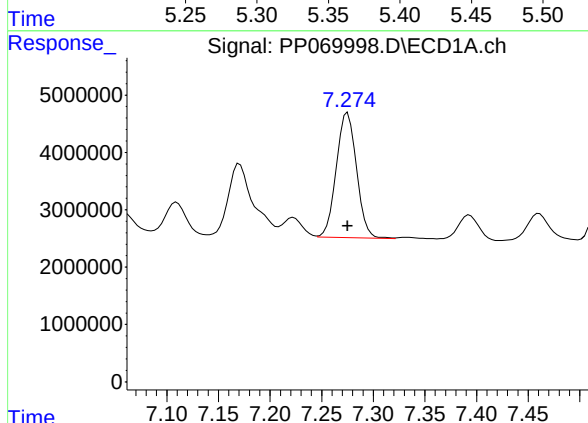
R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 17034021
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



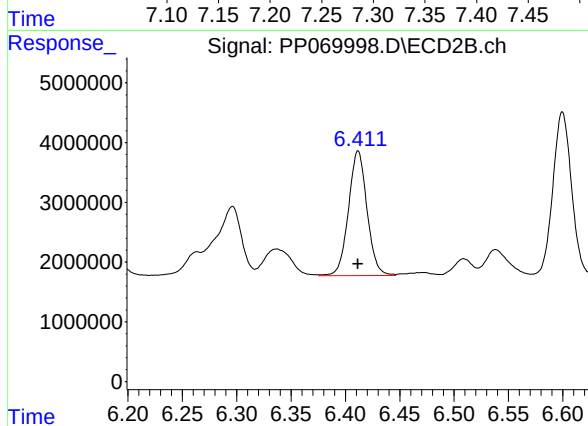
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 13268203
Conc: 500.00 ng/ml



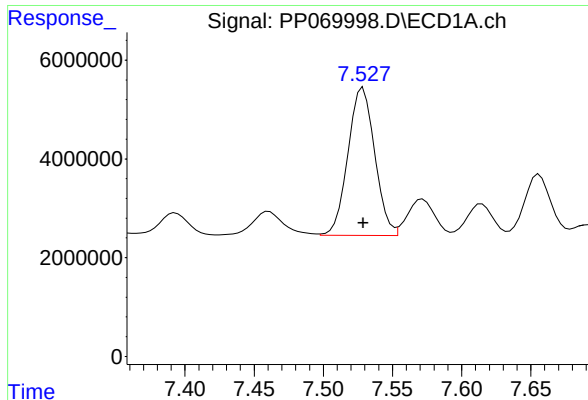
#31 AR-1260-1

R.T.: 7.275 min
Delta R.T.: 0.000 min
Response: 29694423
Conc: 500.00 ng/ml



#31 AR-1260-1

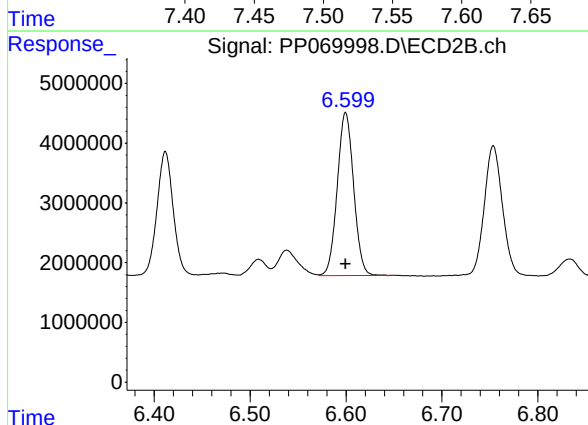
R.T.: 6.412 min
Delta R.T.: 0.000 min
Response: 24775170
Conc: 500.00 ng/ml



#32 AR-1260-2

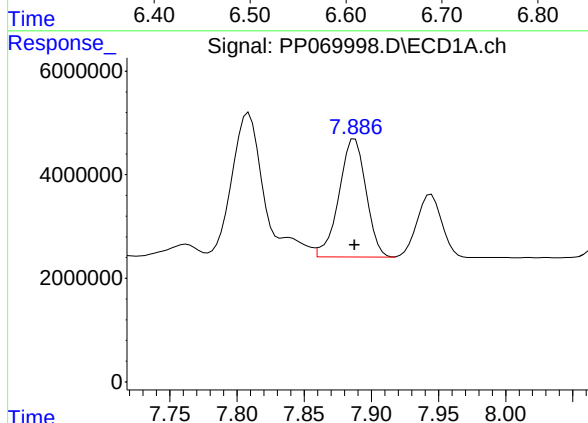
R.T.: 7.529 min
Delta R.T.: 0.000 min
Response: 40356400
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



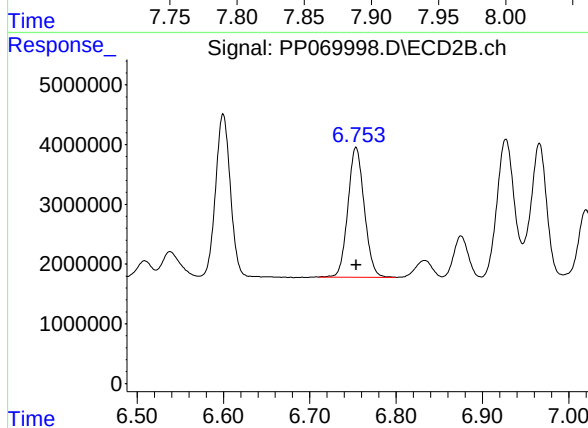
#32 AR-1260-2

R.T.: 6.600 min
Delta R.T.: 0.000 min
Response: 32360396
Conc: 500.00 ng/ml



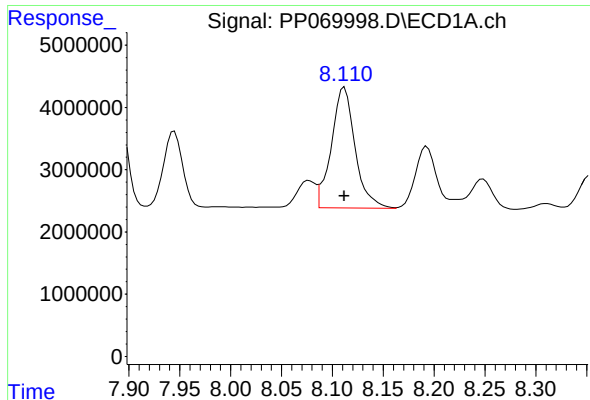
#33 AR-1260-3

R.T.: 7.888 min
Delta R.T.: 0.000 min
Response: 32005959
Conc: 500.00 ng/ml



#33 AR-1260-3

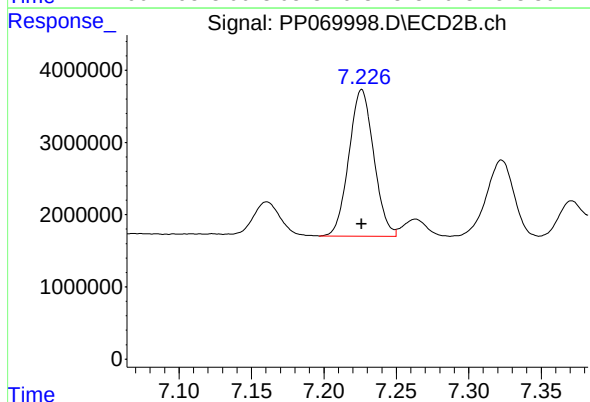
R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 28630502
Conc: 500.00 ng/ml



#34 AR-1260-4

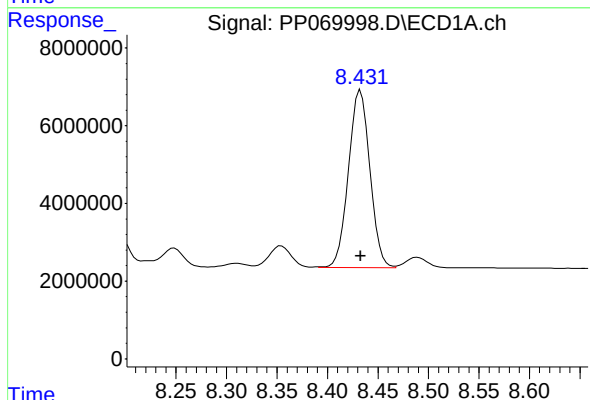
R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 31570680
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC500



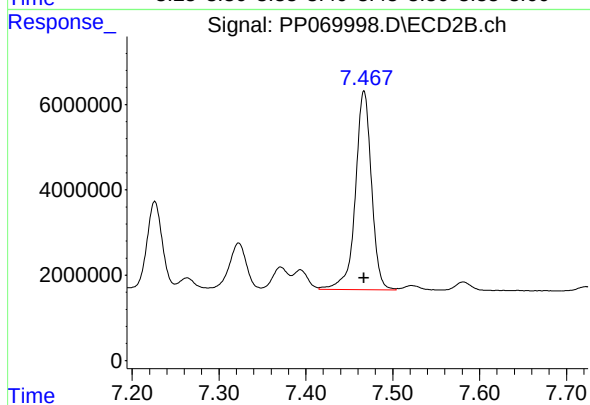
#34 AR-1260-4

R.T.: 7.226 min
Delta R.T.: 0.000 min
Response: 24307558
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.433 min
Delta R.T.: 0.000 min
Response: 67402630
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 59796311
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP069999.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 15:48
 Operator : YP\AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 01:03:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 01:02:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.524	3.830	39773305	26469015	25.938	27.783
2) SA Decachlor...	10.253	8.889	30693088	28398303	26.333	25.395
Target Compounds						
3) L1 AR-1016-1	5.677	4.921	13700052	9046559	274.174	269.348
4) L1 AR-1016-2	5.699	4.940	19160193	12627669	262.500	268.765
5) L1 AR-1016-3	5.761	5.117	11961048	6939375	264.936	268.799
6) L1 AR-1016-4	5.858	5.159	9917150	5538031	264.038	269.028
7) L1 AR-1016-5	6.152	5.374	8841181	7154213	259.515	269.600
31) L7 AR-1260-1	7.271	6.412	15673826	14194992	263.919	286.476
32) L7 AR-1260-2	7.525	6.600	21490279	17910054	266.256	276.728
33) L7 AR-1260-3	7.883	6.754	16948148	15747036	264.766	275.005
34) L7 AR-1260-4	8.108	7.226	16800378	12881086	266.076	264.961
35) L7 AR-1260-5	8.429	7.467	35148103	31310936	260.732	261.813

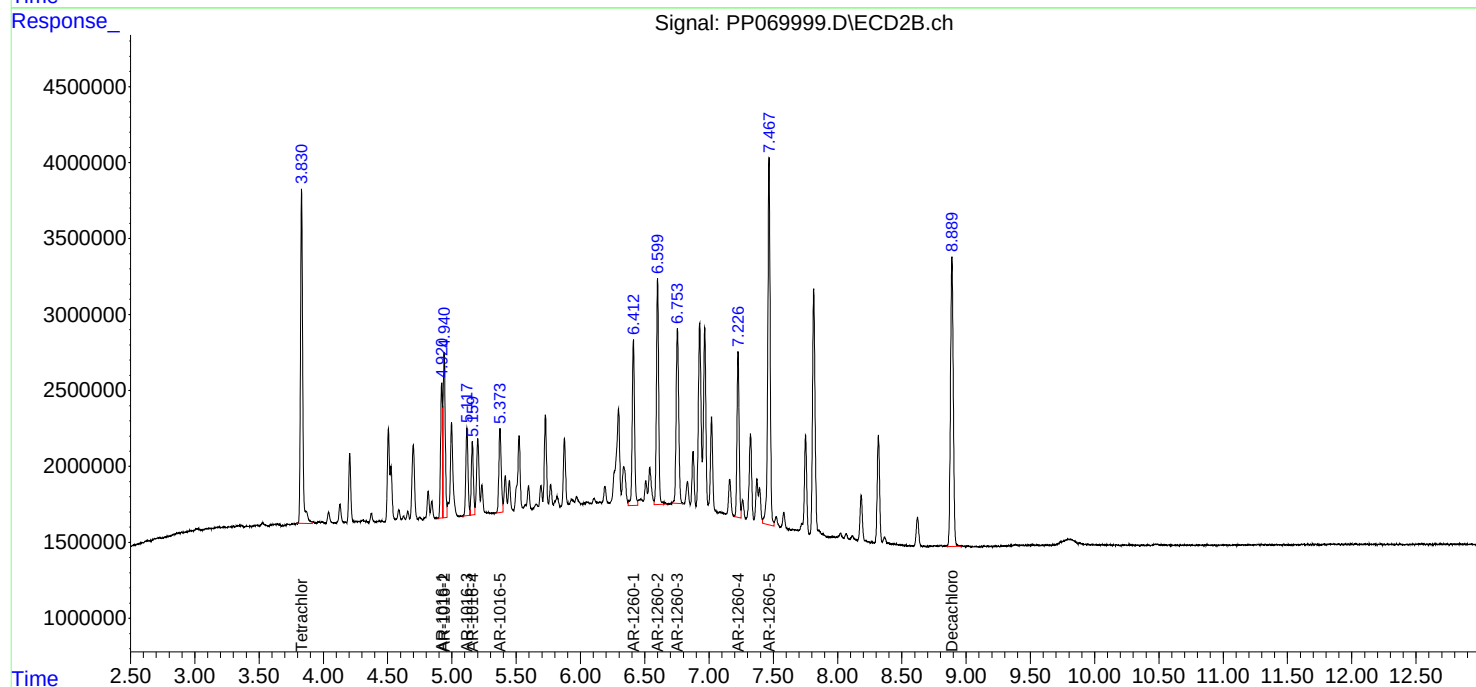
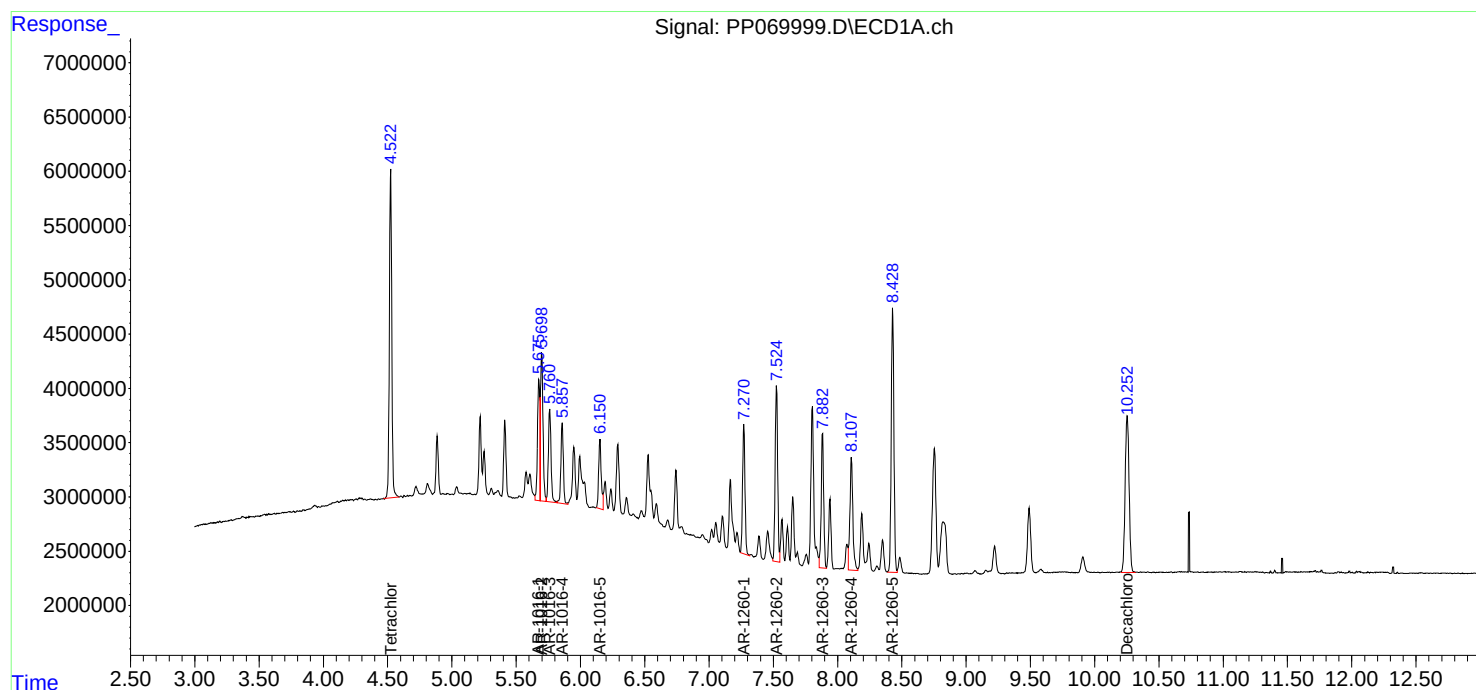
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

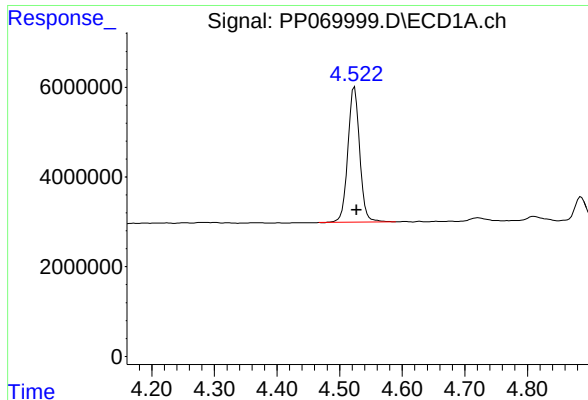
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:48
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:03:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

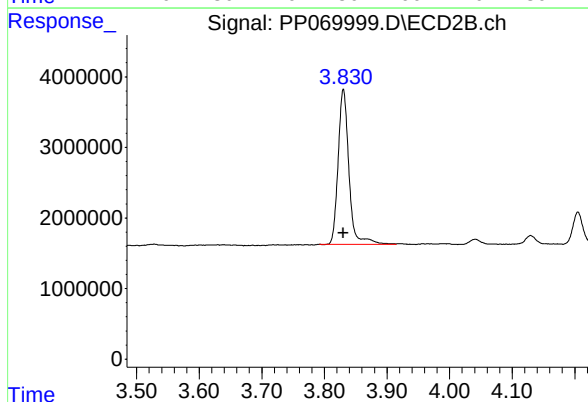




#1 Tetrachloro-m-xylene

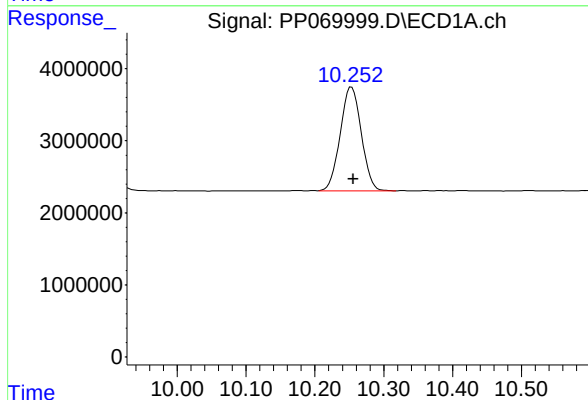
R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 39773305
Conc: 25.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



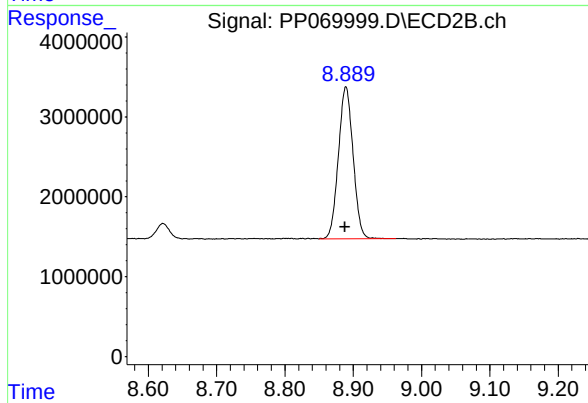
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 26469015
Conc: 27.78 ng/ml



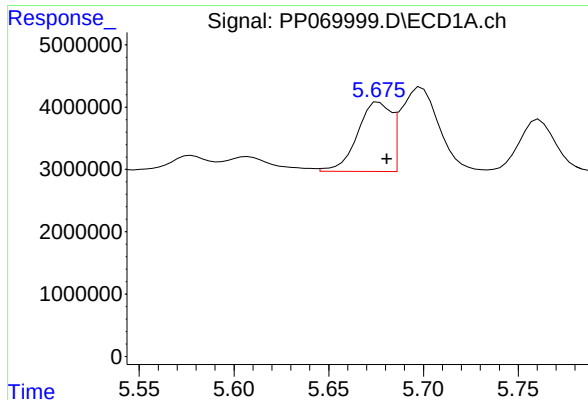
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.003 min
Response: 30693088
Conc: 26.33 ng/ml



#2 Decachlorobiphenyl

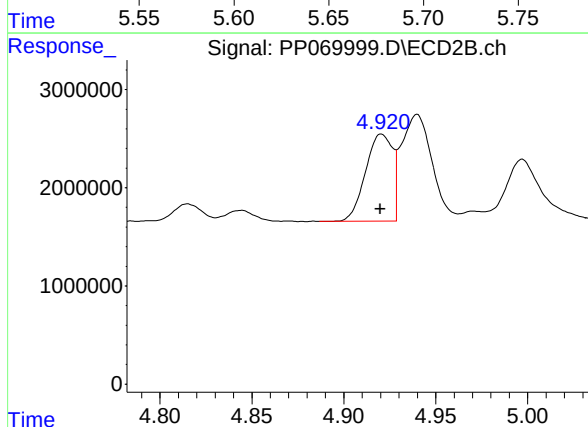
R.T.: 8.889 min
Delta R.T.: 0.001 min
Response: 28398303
Conc: 25.40 ng/ml



#3 AR-1016-1

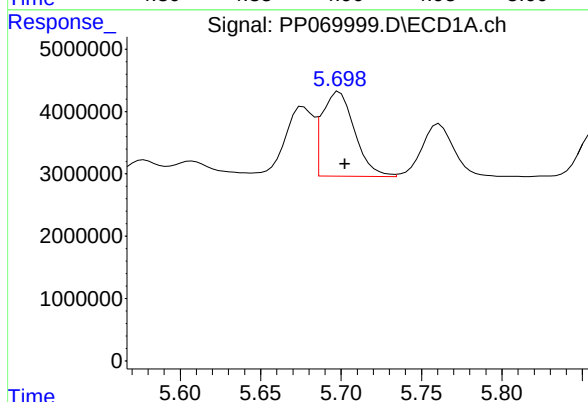
R.T.: 5.677 min
Delta R.T.: -0.004 min
Response: 13700052
Conc: 274.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



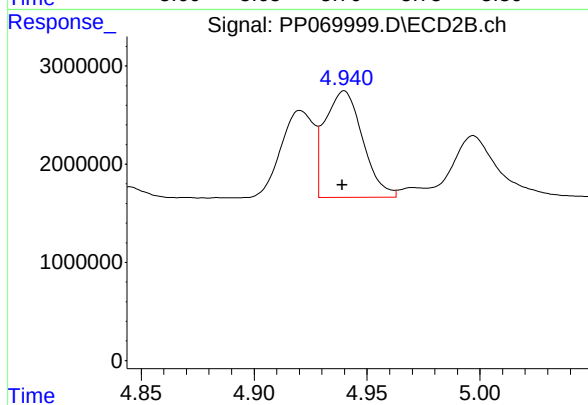
#3 AR-1016-1

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 9046559
Conc: 269.35 ng/ml



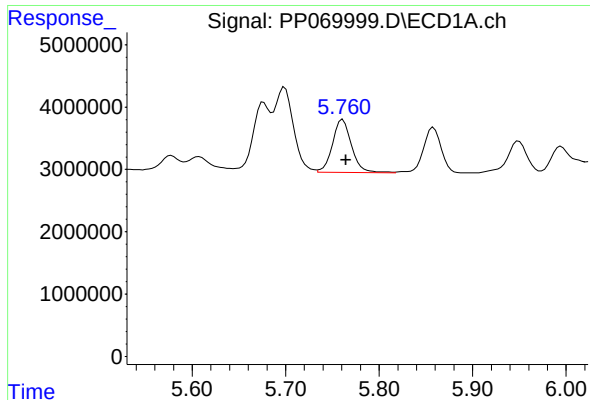
#4 AR-1016-2

R.T.: 5.699 min
Delta R.T.: -0.004 min
Response: 19160193
Conc: 262.50 ng/ml



#4 AR-1016-2

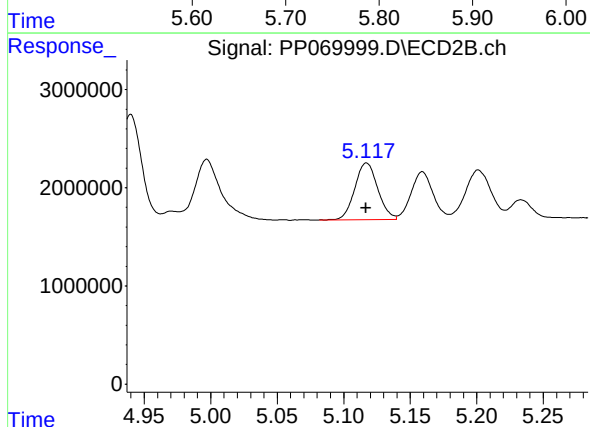
R.T.: 4.940 min
Delta R.T.: 0.000 min
Response: 12627669
Conc: 268.76 ng/ml



#5 AR-1016-3

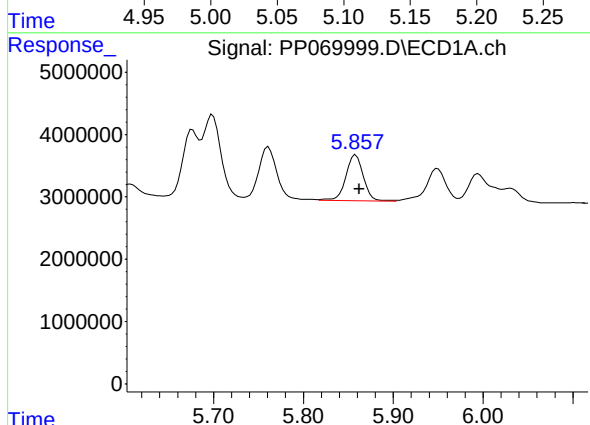
R.T.: 5.761 min
Delta R.T.: -0.004 min
Response: 11961048
Conc: 264.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



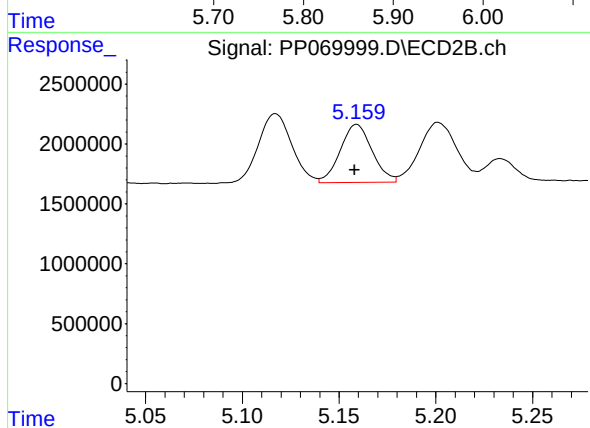
#5 AR-1016-3

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 6939375
Conc: 268.80 ng/ml



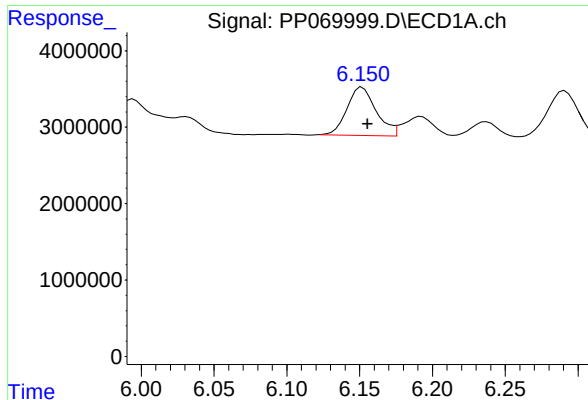
#6 AR-1016-4

R.T.: 5.858 min
Delta R.T.: -0.004 min
Response: 9917150
Conc: 264.04 ng/ml



#6 AR-1016-4

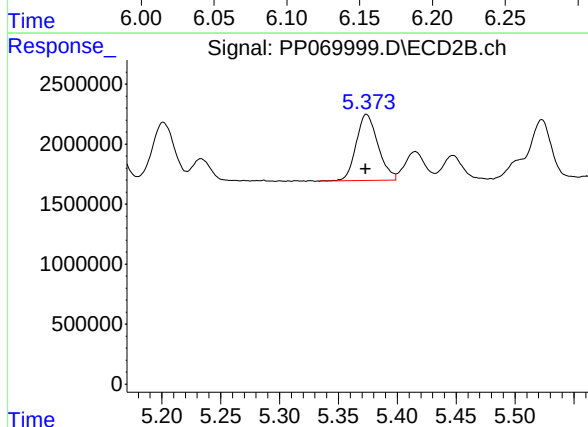
R.T.: 5.159 min
Delta R.T.: 0.001 min
Response: 5538031
Conc: 269.03 ng/ml



#7 AR-1016-5

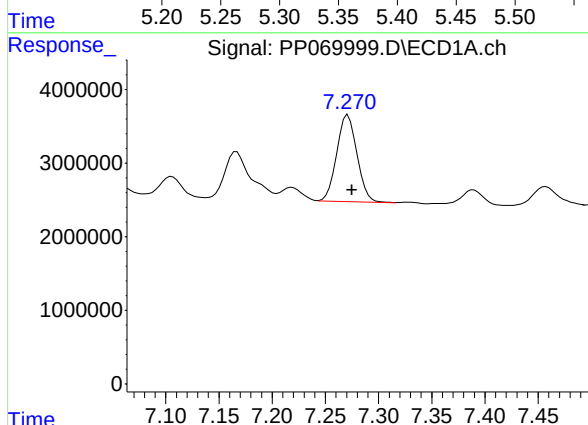
R.T.: 6.152 min
Delta R.T.: -0.004 min
Response: 8841181
Conc: 259.52 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



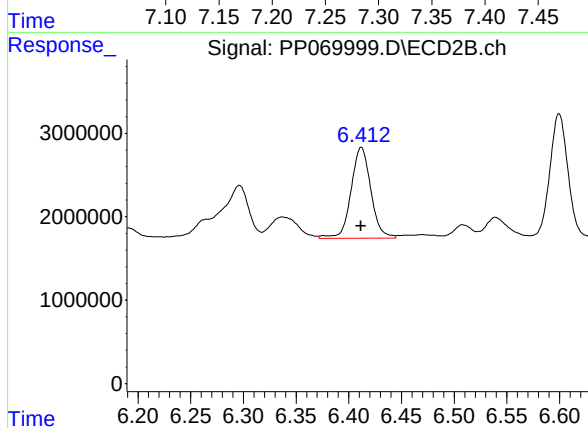
#7 AR-1016-5

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 7154213
Conc: 269.60 ng/ml



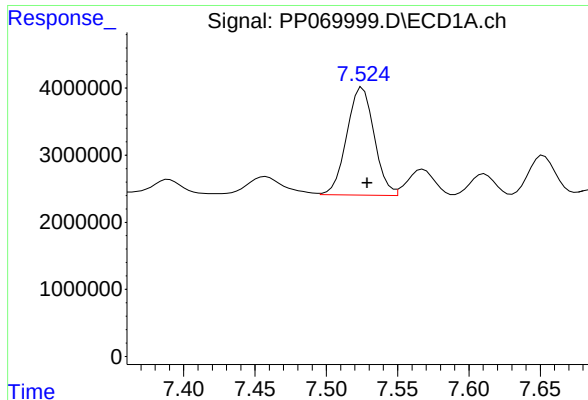
#31 AR-1260-1

R.T.: 7.271 min
Delta R.T.: -0.004 min
Response: 15673826
Conc: 263.92 ng/ml



#31 AR-1260-1

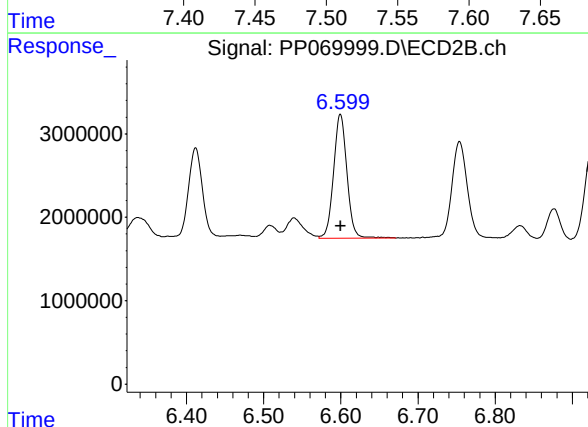
R.T.: 6.412 min
Delta R.T.: 0.000 min
Response: 14194992
Conc: 286.48 ng/ml



#32 AR-1260-2

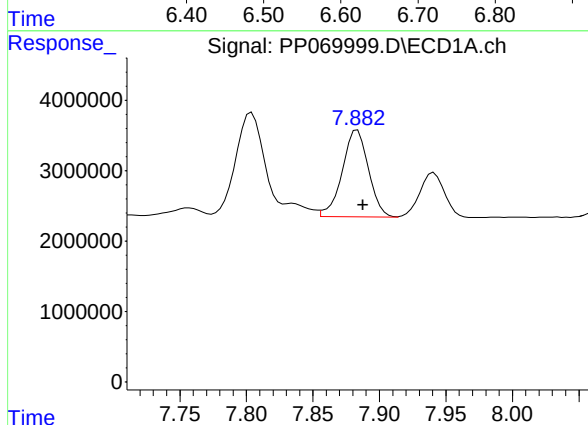
R.T.: 7.525 min
Delta R.T.: -0.003 min
Response: 21490279
Conc: 266.26 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



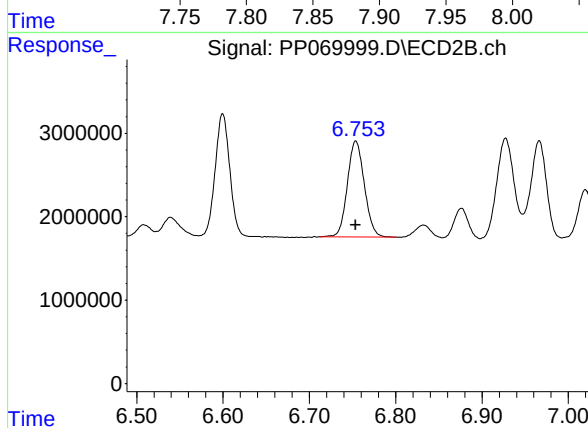
#32 AR-1260-2

R.T.: 6.600 min
Delta R.T.: 0.000 min
Response: 17910054
Conc: 276.73 ng/ml



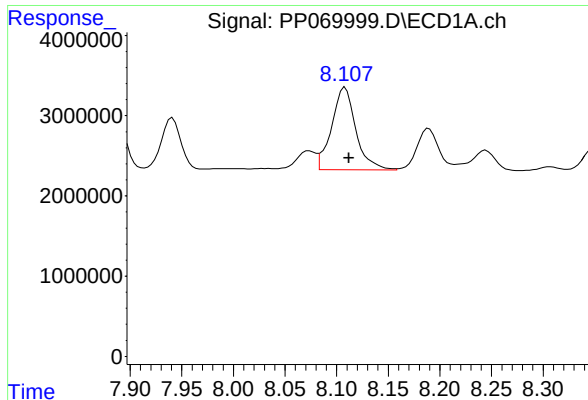
#33 AR-1260-3

R.T.: 7.883 min
Delta R.T.: -0.004 min
Response: 16948148
Conc: 264.77 ng/ml



#33 AR-1260-3

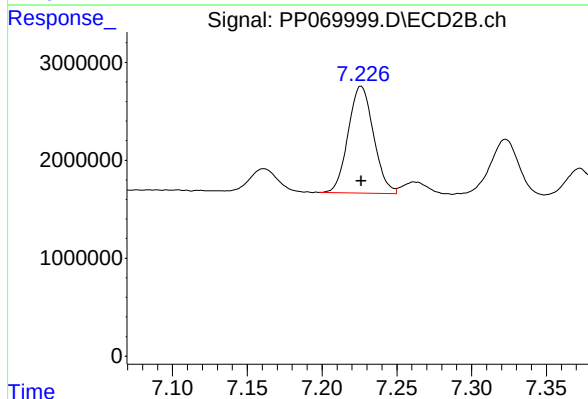
R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 15747036
Conc: 275.00 ng/ml



#34 AR-1260-4

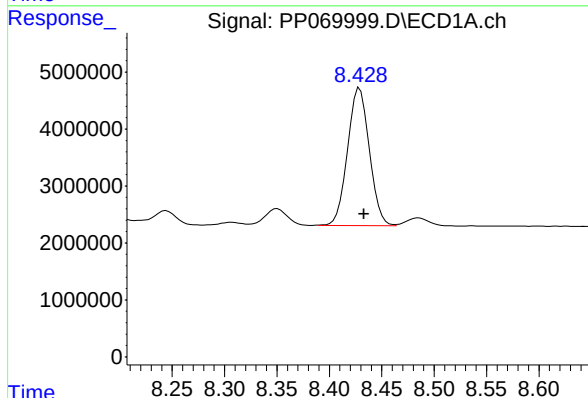
R.T.: 8.108 min
Delta R.T.: -0.004 min
Response: 16800378
Conc: 266.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC250



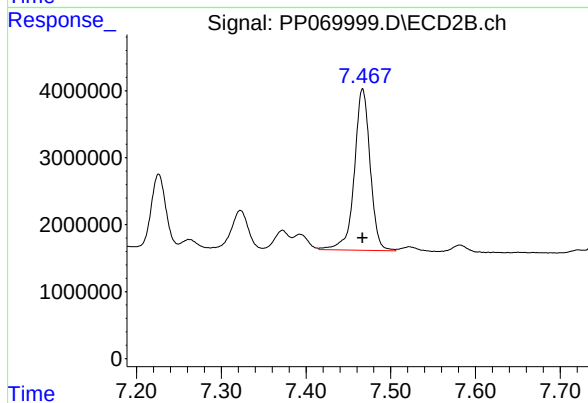
#34 AR-1260-4

R.T.: 7.226 min
Delta R.T.: 0.000 min
Response: 12881086
Conc: 264.96 ng/ml



#35 AR-1260-5

R.T.: 8.429 min
Delta R.T.: -0.004 min
Response: 35148103
Conc: 260.73 ng/ml



#35 AR-1260-5

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 31310936
Conc: 261.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070000.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 16:04
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 01:04:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 01:02:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.829	6720872	4906310	4.383	5.150
2) SA Decachlor...	10.255	8.888	5452577	5762188	4.678	5.153
Target Compounds						
3) L1 AR-1016-1	5.679	4.919	2547449	1857134	50.981m	55.293m
4) L1 AR-1016-2	5.701	4.939	3488496	2542948	47.793m	54.124
5) L1 AR-1016-3	5.763	5.116	2062359	1279811	45.681m	49.574m
6) L1 AR-1016-4	5.862	5.157	1752861	1060159	46.669m	51.501
7) L1 AR-1016-5	6.154	5.373	1753245	1386402	51.463m	52.245
31) L7 AR-1260-1	7.275	6.411	2970263	2560840	50.014	51.682m
32) L7 AR-1260-2	7.529	6.598	4629053	3556212	57.352	54.947m
33) L7 AR-1260-3	7.887	6.752	3097573	3882421	48.391	67.802m#
34) L7 AR-1260-4	8.112	7.225	3418051	2736330	54.133	56.286
35) L7 AR-1260-5	8.432	7.466	6379085	6303797	47.321	52.711

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:04
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

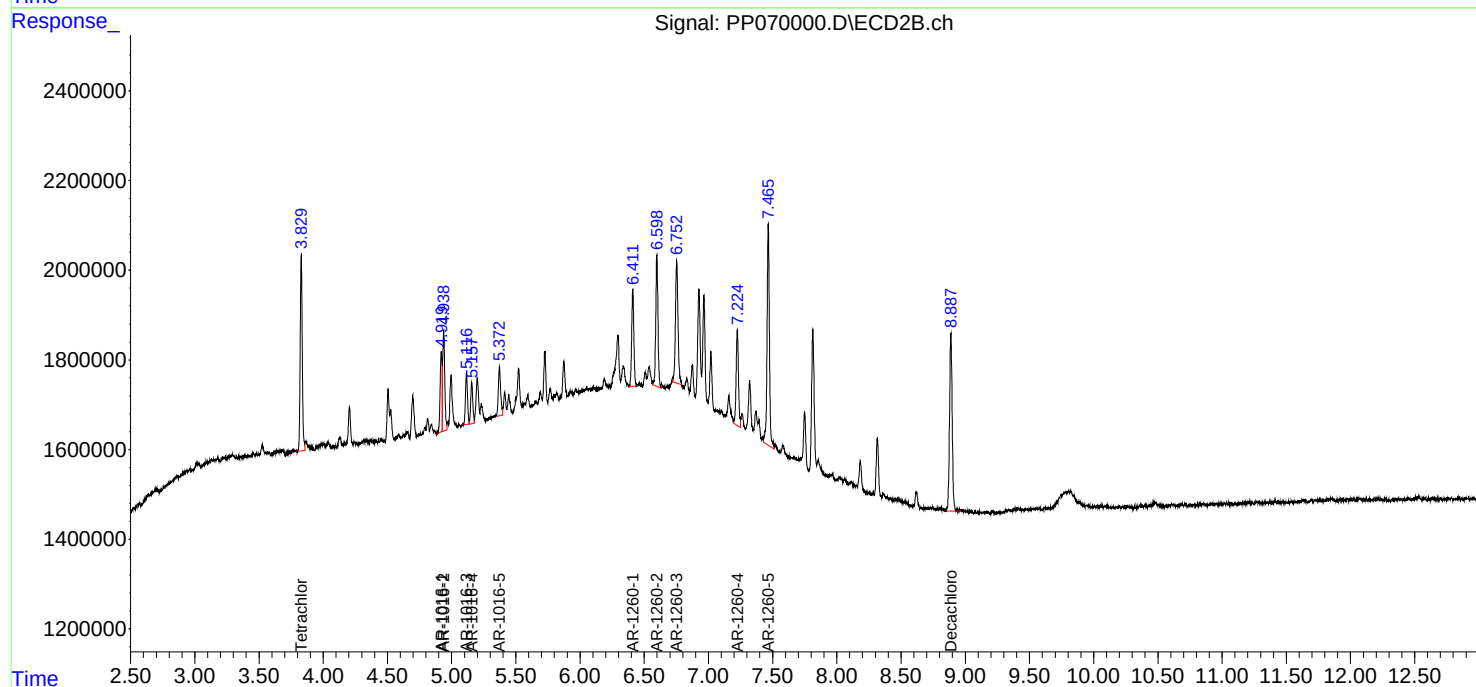
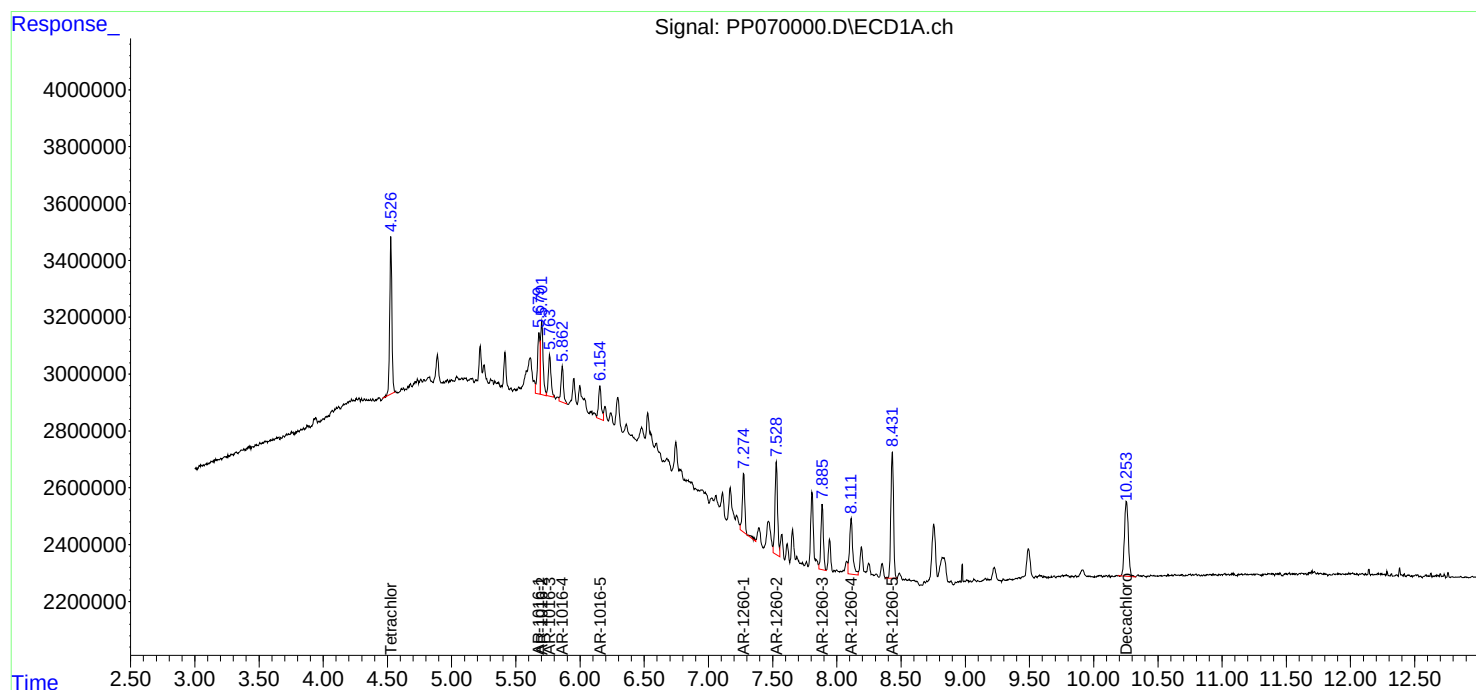
Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

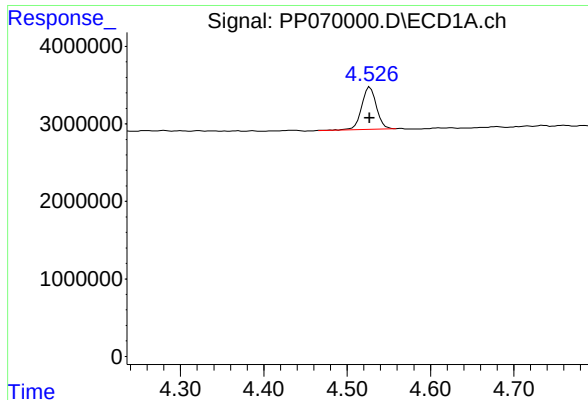
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:04:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





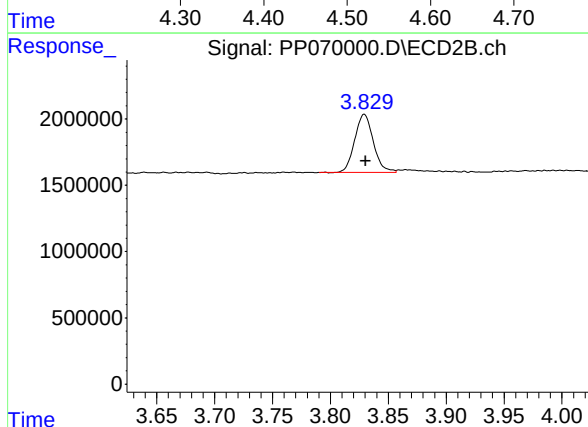
#1 Tetrachloro-m-xylene

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 6720872
Conc: 4.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

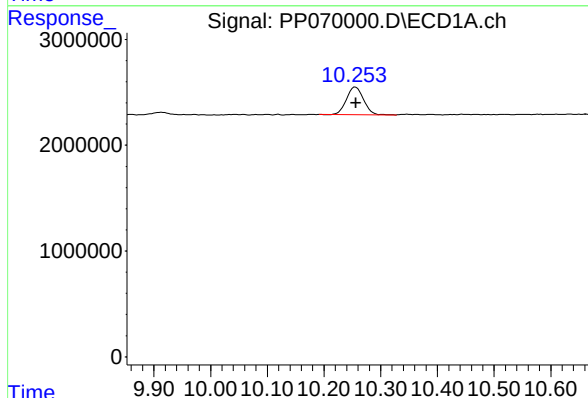
Manual Integrations
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Supervised By :Ankita Jodhani 02/25/2025



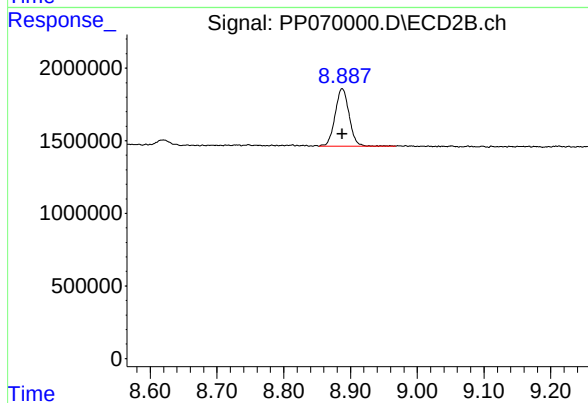
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.001 min
Response: 4906310
Conc: 5.15 ng/ml



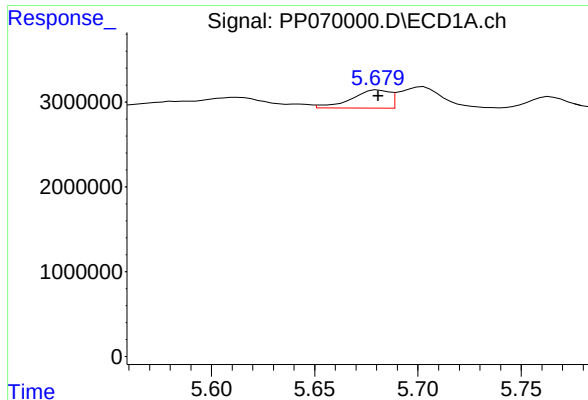
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 5452577
Conc: 4.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 5762188
Conc: 5.15 ng/ml



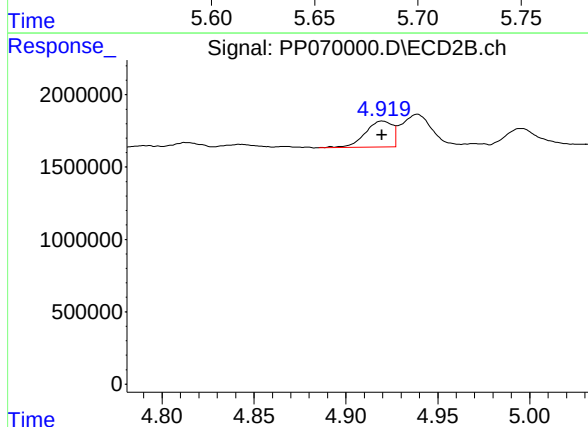
#3 AR-1016-1

R.T.: 5.679 min
Delta R.T.: -0.001 min
Response: 2547449
Conc: 50.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

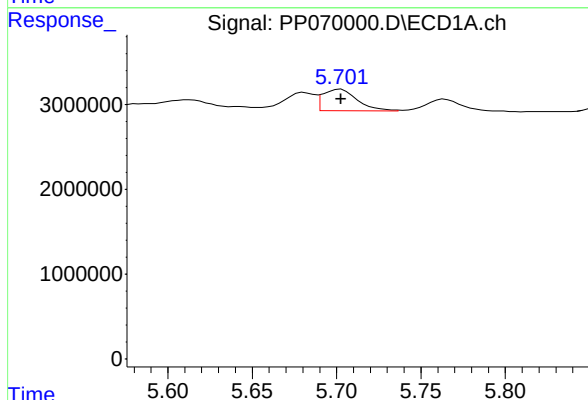
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



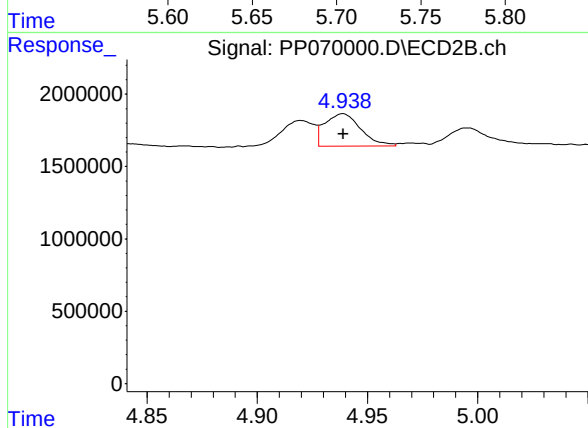
#3 AR-1016-1

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 1857134
Conc: 55.29 ng/ml



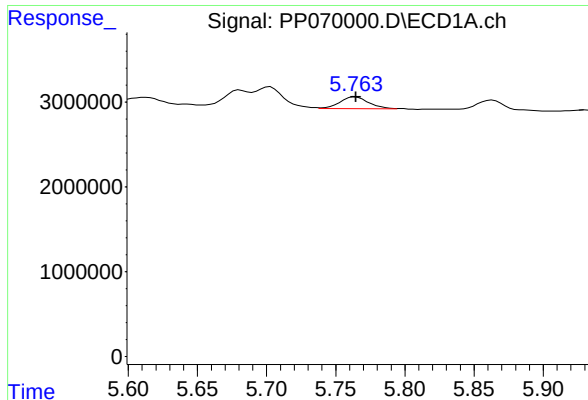
#4 AR-1016-2

R.T.: 5.701 min
Delta R.T.: -0.001 min
Response: 3488496
Conc: 47.79 ng/ml



#4 AR-1016-2

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 2542948
Conc: 54.12 ng/ml



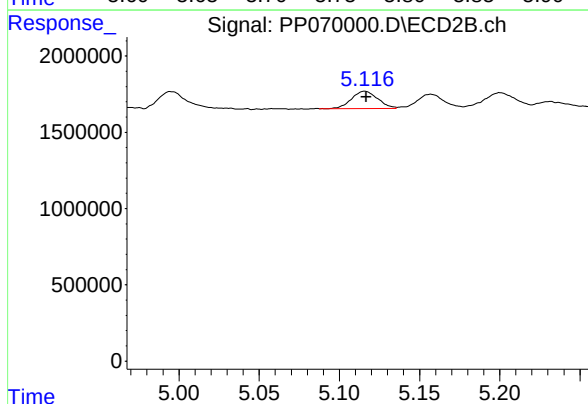
#5 AR-1016-3

R.T.: 5.763 min
Delta R.T.: -0.002 min
Response: 2062359
Conc: 45.68 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

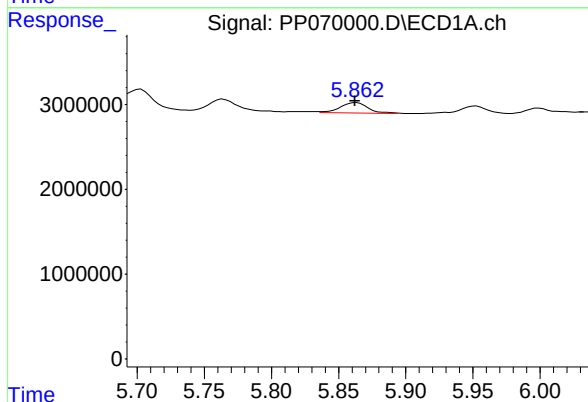
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



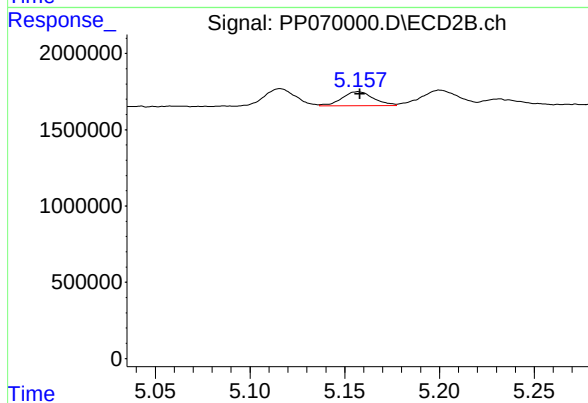
#5 AR-1016-3

R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 1279811
Conc: 49.57 ng/ml



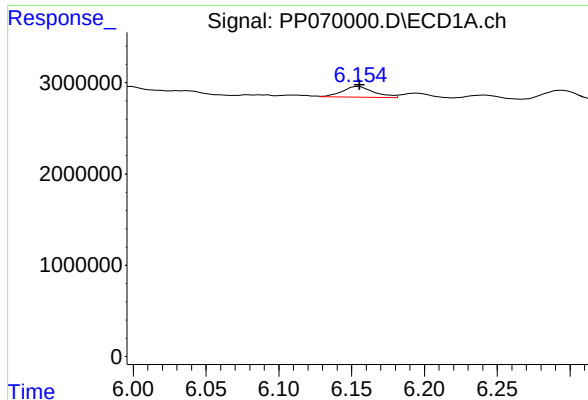
#6 AR-1016-4

R.T.: 5.862 min
Delta R.T.: 0.000 min
Response: 1752861
Conc: 46.67 ng/ml



#6 AR-1016-4

R.T.: 5.157 min
Delta R.T.: 0.000 min
Response: 1060159
Conc: 51.50 ng/ml



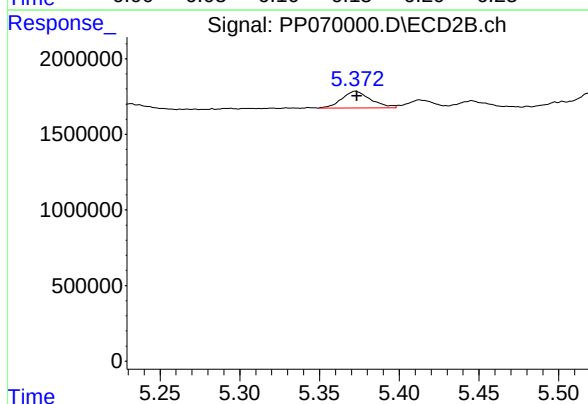
#7 AR-1016-5

R.T.: 6.154 min
Delta R.T.: -0.001 min
Response: 1753245
Conc: 51.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

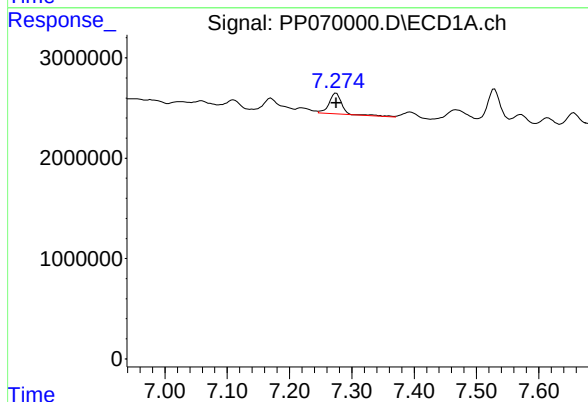
Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



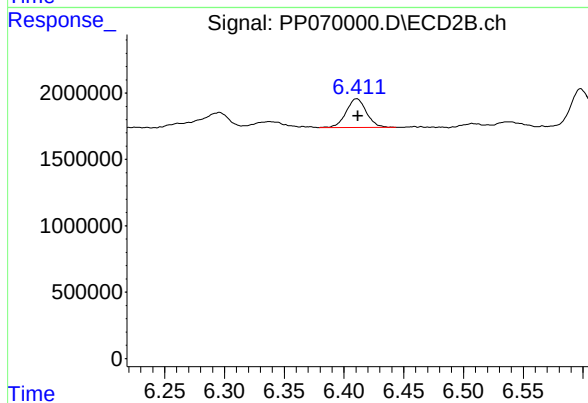
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 1386402
Conc: 52.25 ng/ml



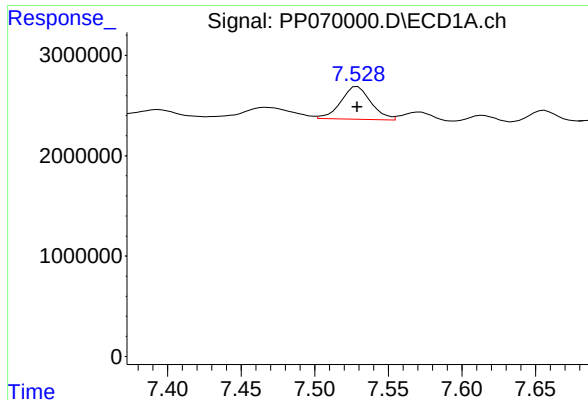
#31 AR-1260-1

R.T.: 7.275 min
Delta R.T.: 0.000 min
Response: 2970263
Conc: 50.01 ng/ml



#31 AR-1260-1

R.T.: 6.411 min
Delta R.T.: -0.001 min
Response: 2560840
Conc: 51.68 ng/ml m



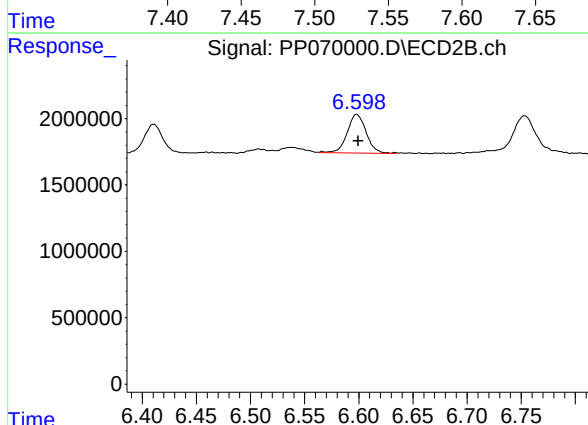
#32 AR-1260-2

R.T.: 7.529 min
Delta R.T.: 0.000 min
Response: 4629053
Conc: 57.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

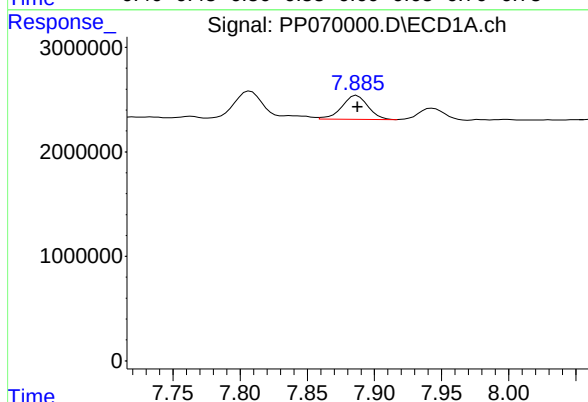
Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



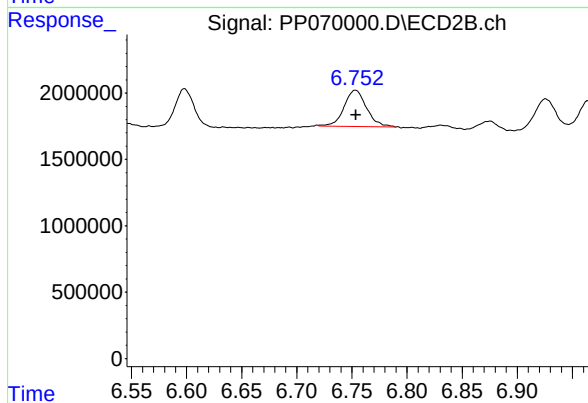
#32 AR-1260-2

R.T.: 6.598 min
Delta R.T.: -0.002 min
Response: 3556212
Conc: 54.95 ng/ml



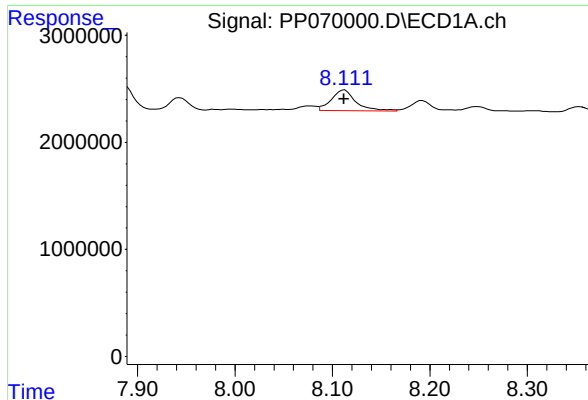
#33 AR-1260-3

R.T.: 7.887 min
Delta R.T.: 0.000 min
Response: 3097573
Conc: 48.39 ng/ml



#33 AR-1260-3

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 3882421
Conc: 67.80 ng/ml



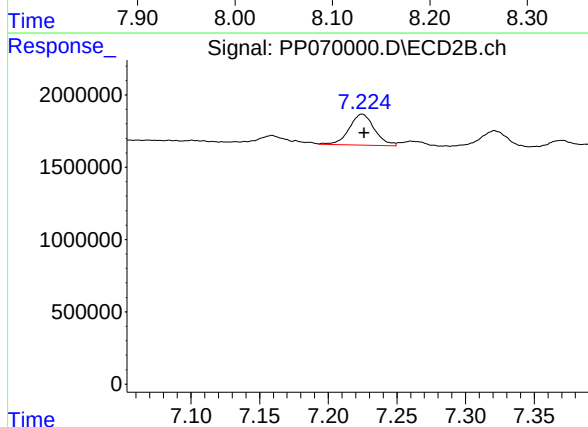
#34 AR-1260-4

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 3418051
Conc: 54.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660ICC050

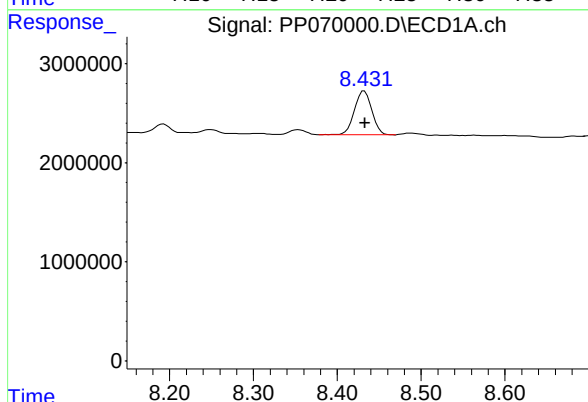
Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



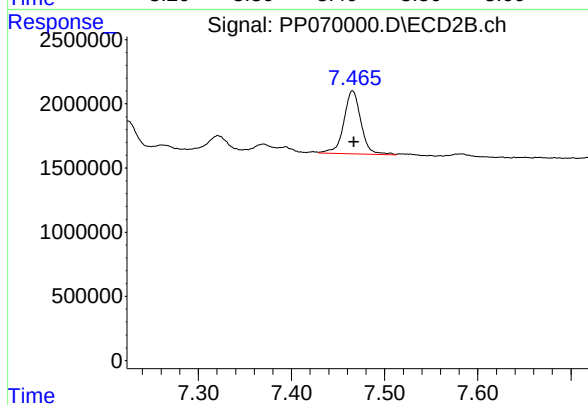
#34 AR-1260-4

R.T.: 7.225 min
Delta R.T.: -0.001 min
Response: 2736330
Conc: 56.29 ng/ml



#35 AR-1260-5

R.T.: 8.432 min
Delta R.T.: 0.000 min
Response: 6379085
Conc: 47.32 ng/ml



#35 AR-1260-5

R.T.: 7.466 min
Delta R.T.: -0.001 min
Response: 6303797
Conc: 52.71 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:20
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:16:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:15:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.524	3.830	81453238	49492221	50.000	50.000
2) SA Decachlor...	10.252	8.888	58909122	52524520	49.997m	50.000
Target Compounds						
8) L2 AR-1221-1	4.725	4.042	9457952	6710580	500.000	500.000
9) L2 AR-1221-2	4.811	4.128	7295806	5083087	500.000	500.000
10) L2 AR-1221-3	4.887	4.205	21579125	15179779	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:20
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1221ICC500

Manual Integrations

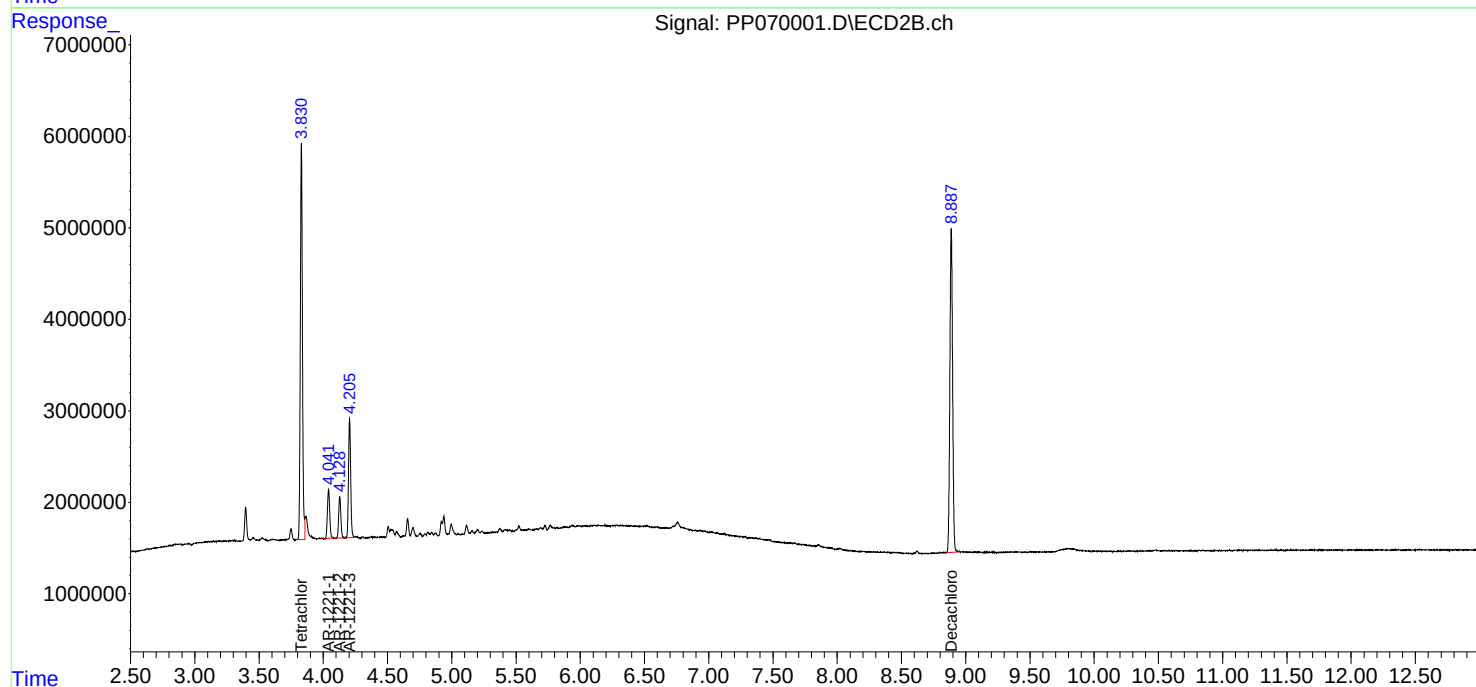
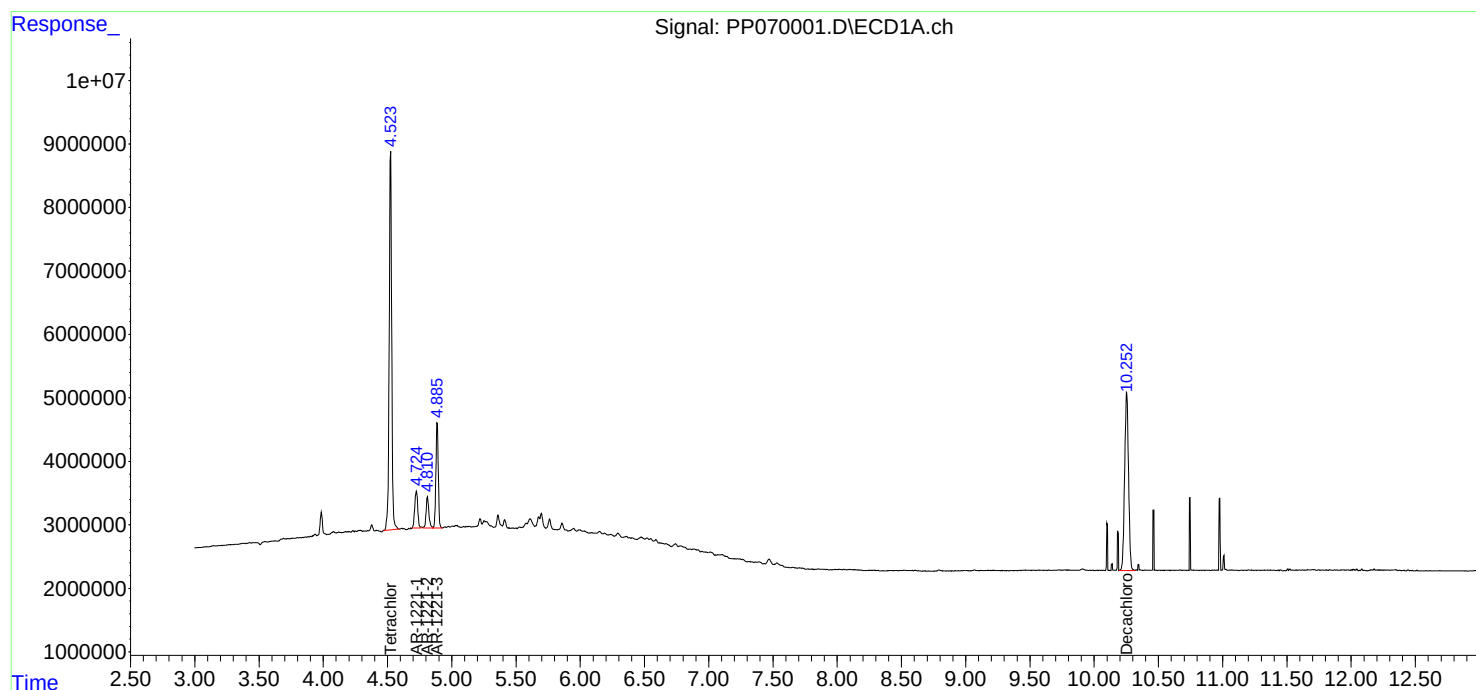
APPROVED

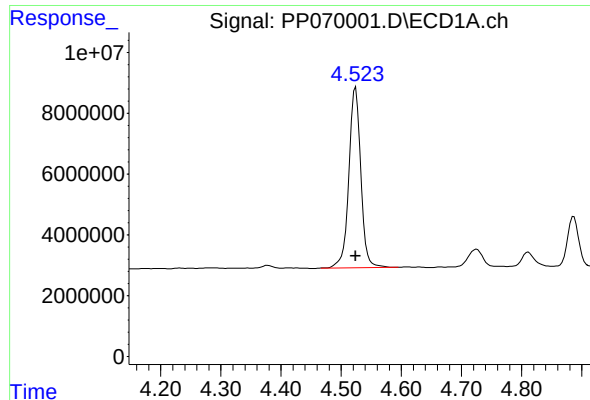
Reviewed By :Yogesh Patel 02/25/2025

Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:16:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:15:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





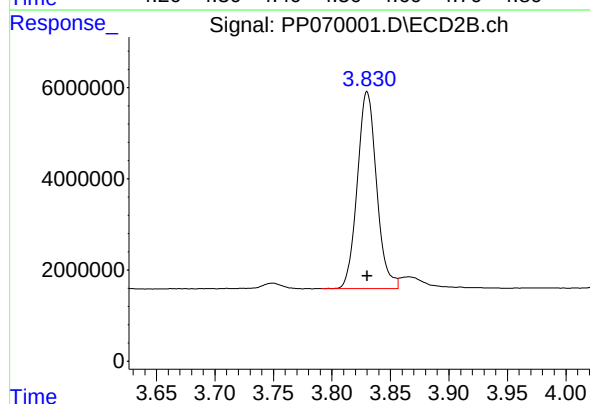
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 81453238
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

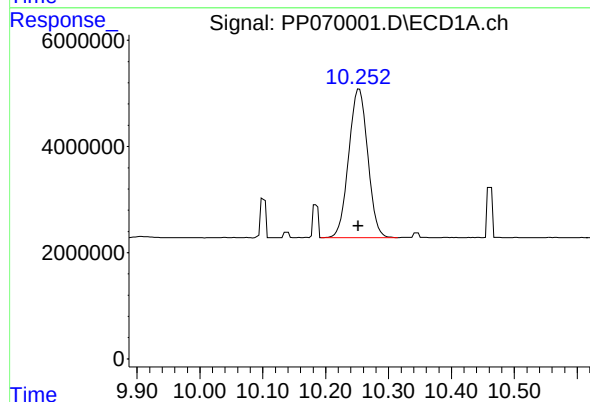
Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



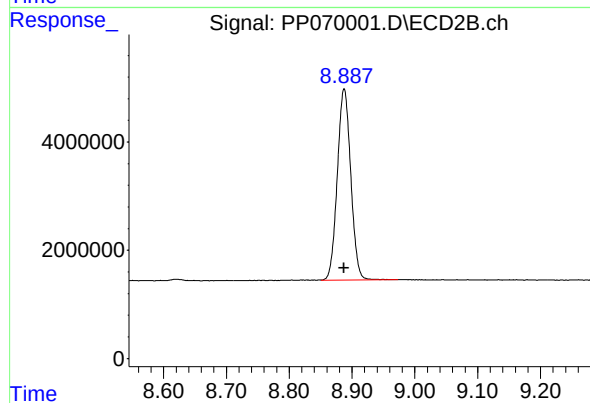
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 49492221
Conc: 50.00 ng/ml



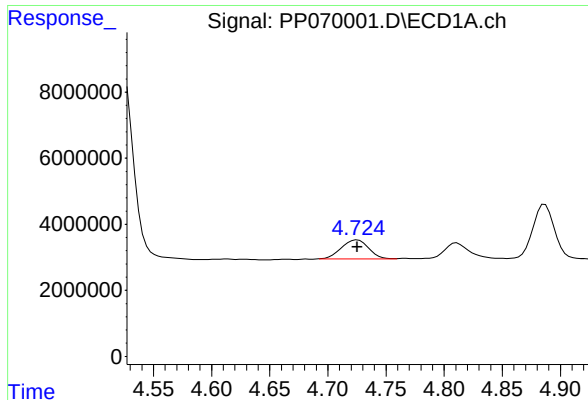
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 58909122
Conc: 50.00 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 52524520
Conc: 50.00 ng/ml



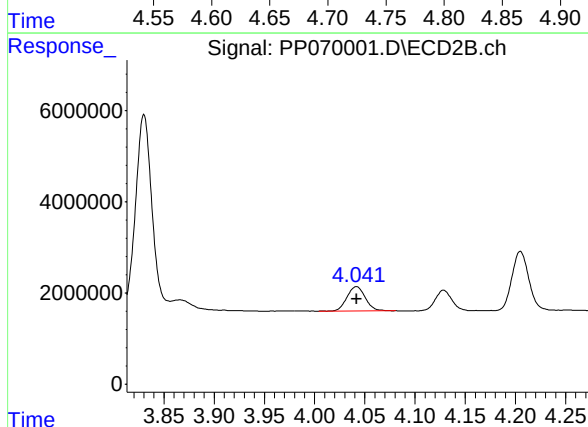
#8 AR-1221-1

R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 9457952
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

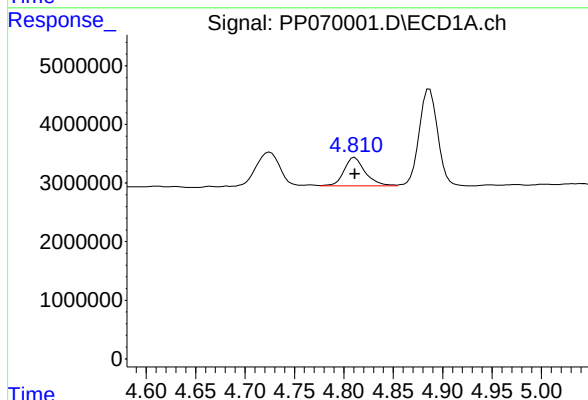
Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



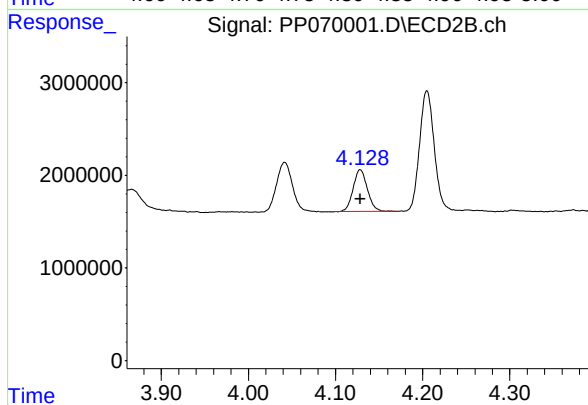
#8 AR-1221-1

R.T.: 4.042 min
Delta R.T.: 0.000 min
Response: 6710580
Conc: 500.00 ng/ml



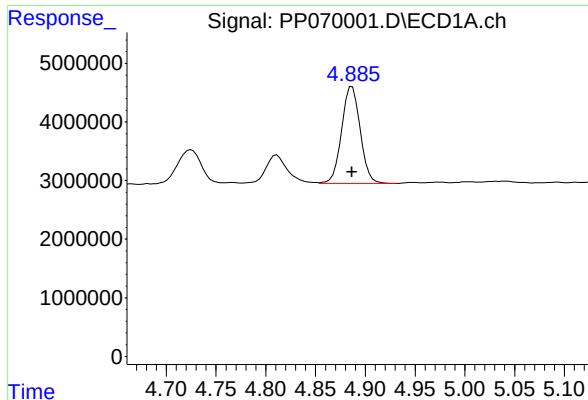
#9 AR-1221-2

R.T.: 4.811 min
Delta R.T.: 0.000 min
Response: 7295806
Conc: 500.00 ng/ml



#9 AR-1221-2

R.T.: 4.128 min
Delta R.T.: 0.000 min
Response: 5083087
Conc: 500.00 ng/ml



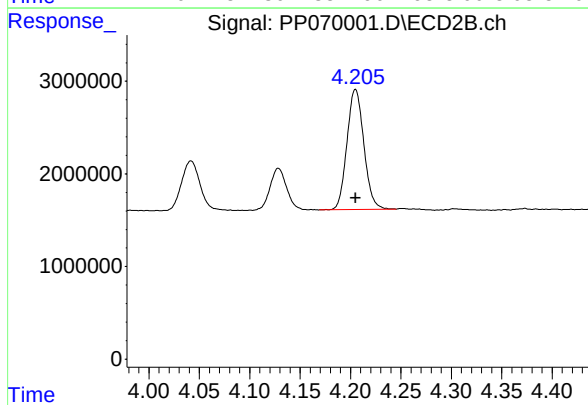
#10 AR-1221-3

R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 21579125
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1221ICC500

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#10 AR-1221-3

R.T.: 4.205 min
Delta R.T.: 0.000 min
Response: 15179779
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:37
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:18:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:18:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.528	3.831	74595967	45088285	50.000	50.000
2) SA Decachlor...	10.257	8.889	55583669	48961388	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.890	4.205	16441958	11371033	500.000	500.000
12) L3 AR-1232-2	5.416	4.940	8130106	11416637	500.000	500.000
13) L3 AR-1232-3	5.703	5.117	17433579	6011988	500.000	500.000
14) L3 AR-1232-4	5.863	5.202	8899724	5432664	500.000	500.000
15) L3 AR-1232-5	5.953	5.374	6303594	5652705	500.000	500.000

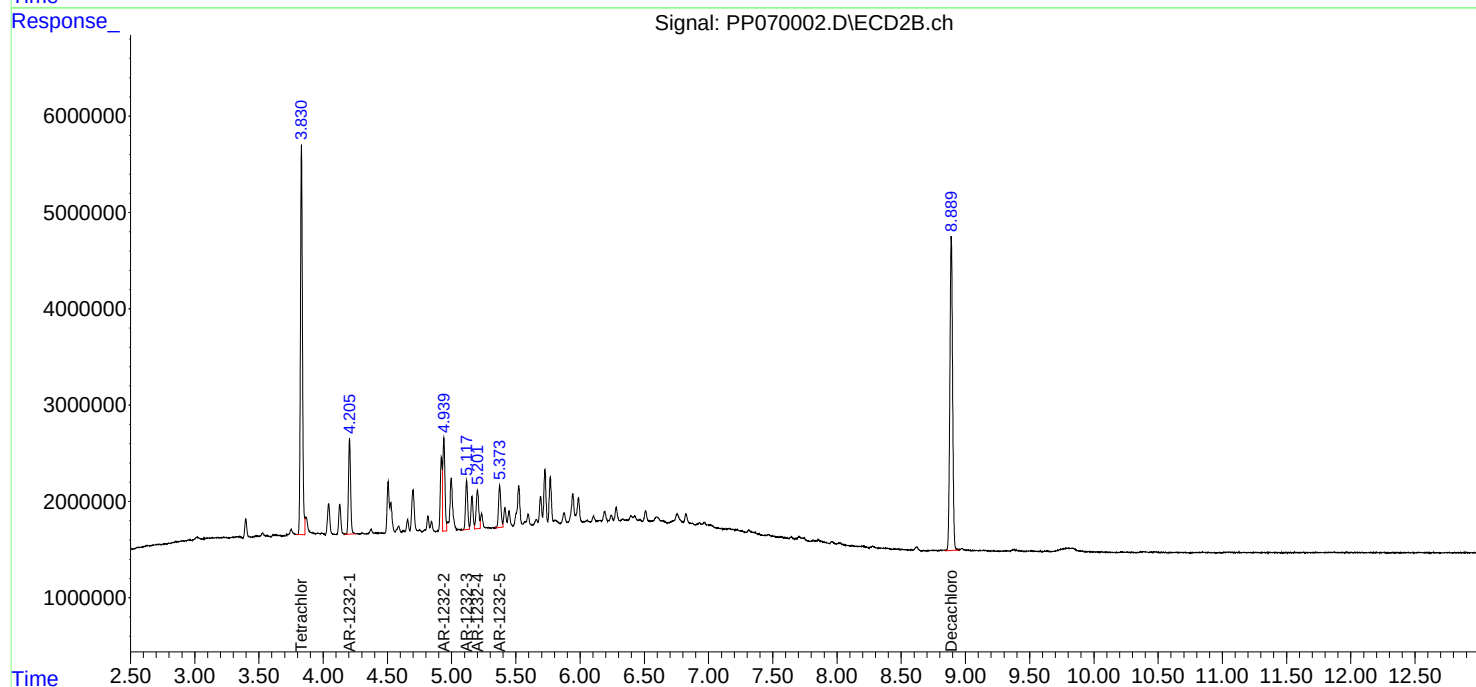
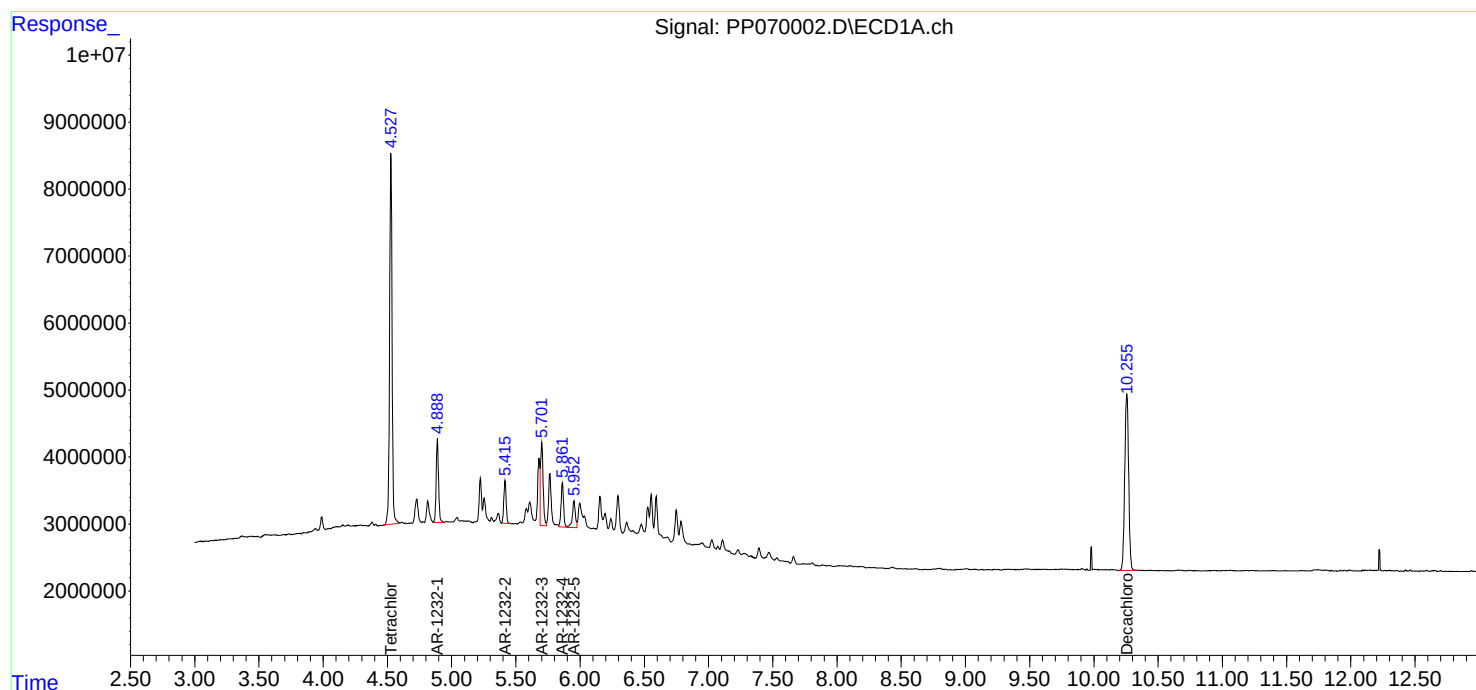
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

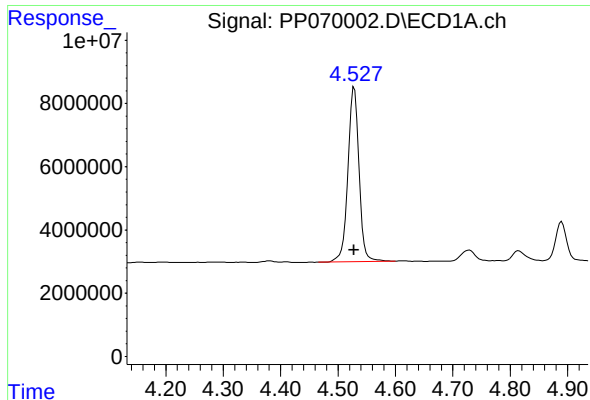
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:37
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:18:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:18:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

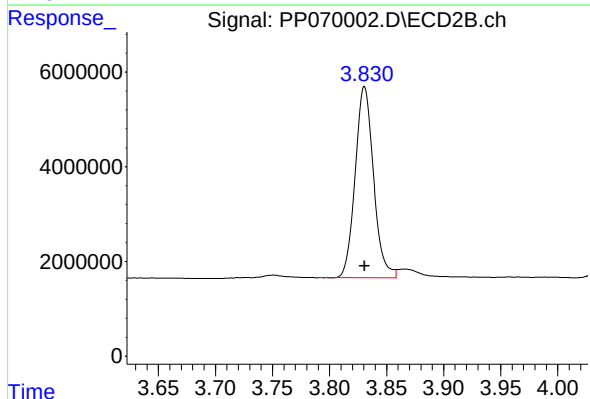




#1 Tetrachloro-m-xylene

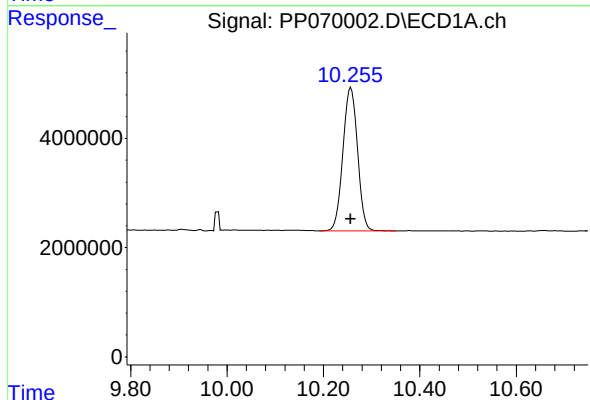
R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 74595967
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



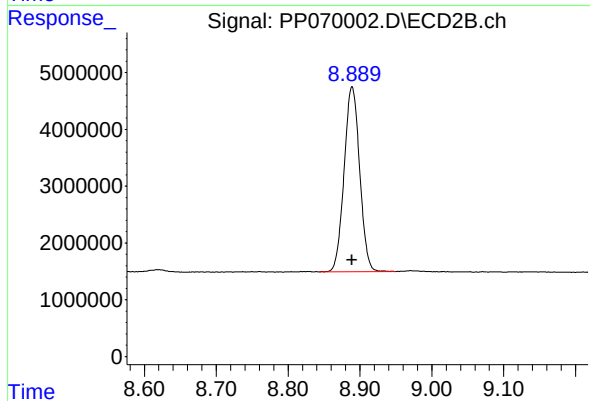
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.000 min
Response: 45088285
Conc: 50.00 ng/ml



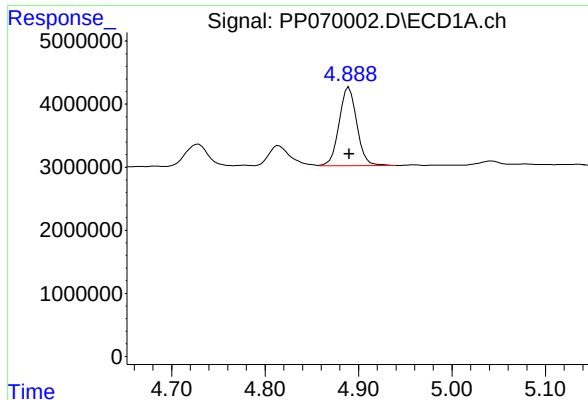
#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.000 min
Response: 55583669
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

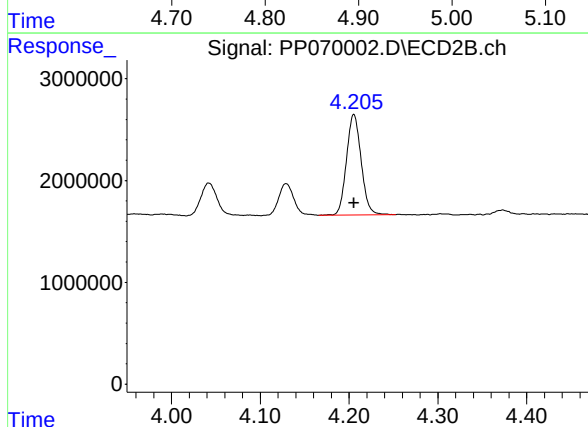
R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 48961388
Conc: 50.00 ng/ml



#11 AR-1232-1

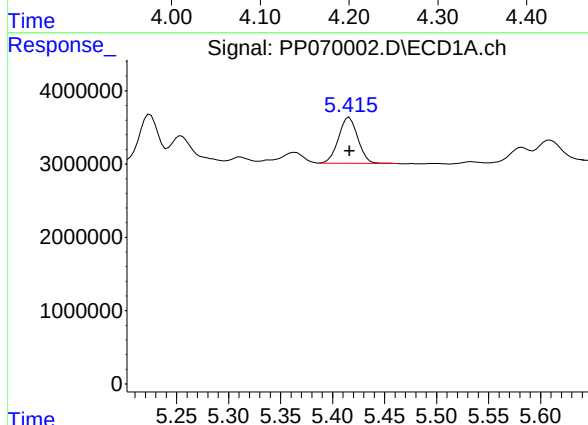
R.T.: 4.890 min
Delta R.T.: 0.000 min
Response: 16441958
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



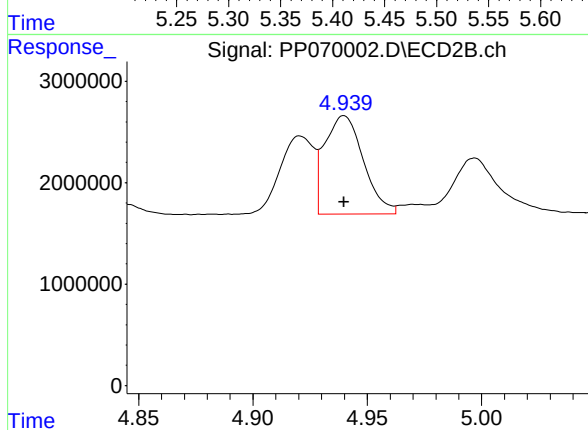
#11 AR-1232-1

R.T.: 4.205 min
Delta R.T.: 0.000 min
Response: 11371033
Conc: 500.00 ng/ml



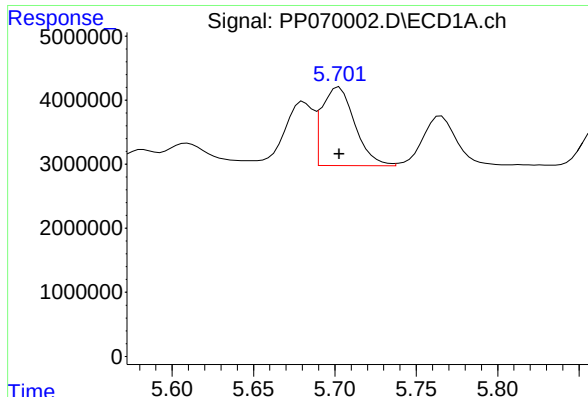
#12 AR-1232-2

R.T.: 5.416 min
Delta R.T.: 0.000 min
Response: 8130106
Conc: 500.00 ng/ml



#12 AR-1232-2

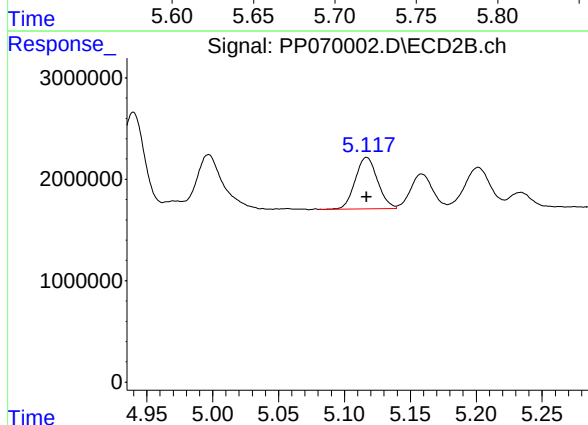
R.T.: 4.940 min
Delta R.T.: 0.000 min
Response: 11416637
Conc: 500.00 ng/ml



#13 AR-1232-3

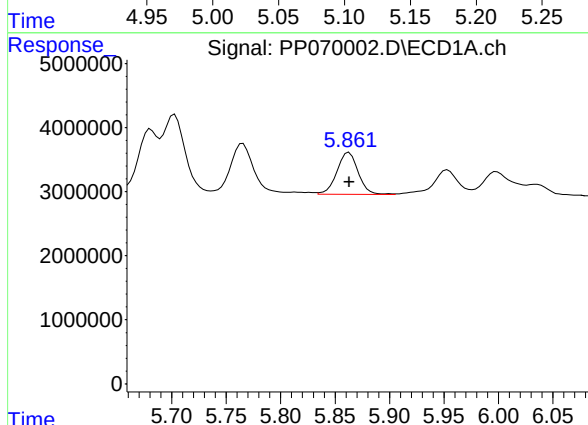
R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 17433579
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



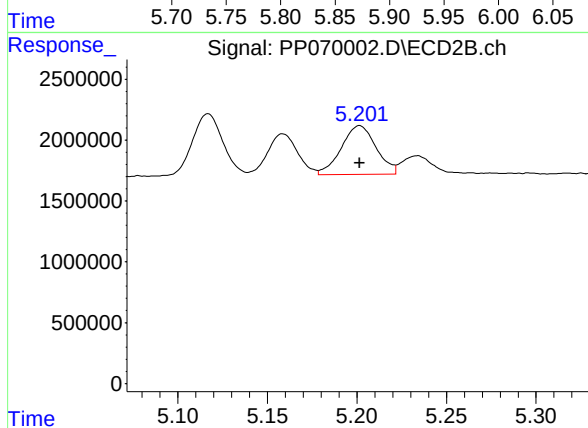
#13 AR-1232-3

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 6011988
Conc: 500.00 ng/ml



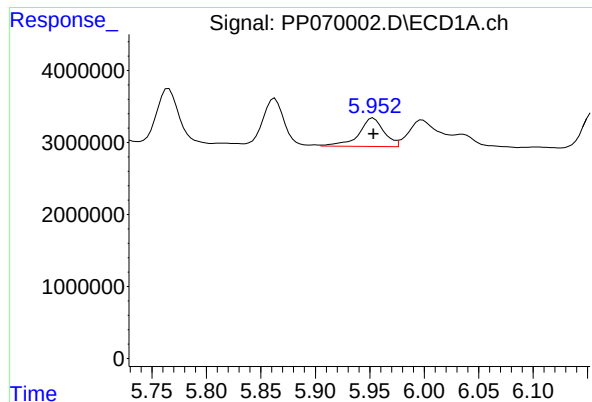
#14 AR-1232-4

R.T.: 5.863 min
Delta R.T.: 0.000 min
Response: 8899724
Conc: 500.00 ng/ml



#14 AR-1232-4

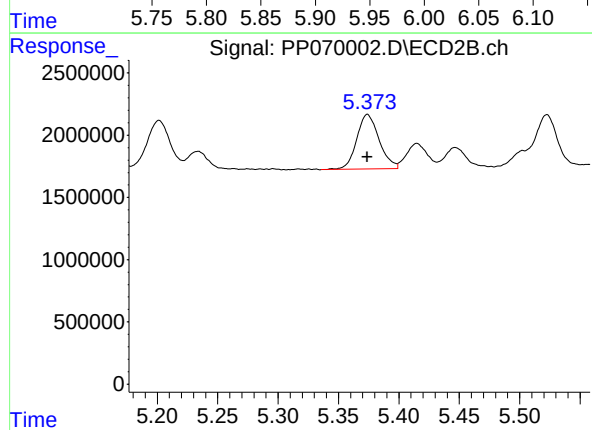
R.T.: 5.202 min
Delta R.T.: 0.000 min
Response: 5432664
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.953 min
Delta R.T.: 0.000 min
Response: 6303594
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1232ICC500



#15 AR-1232-5

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 5652705
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:53
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:23:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.830	139.2E6	92080980	94.864	96.007
2) SA Decachlor...	10.257	8.889	102.1E6	89928404	92.852	88.382
Target Compounds						
16) L4 AR-1242-1	5.679	4.920	38359202	25489035	922.836	915.278
17) L4 AR-1242-2	5.701	4.939	56757612	35977820	940.806	933.521
18) L4 AR-1242-3	5.764	5.116	34692482	19863858	900.441	946.026
19) L4 AR-1242-4	5.861	5.201	28738709	18777771	897.577	940.376
20) L4 AR-1242-5	6.592	5.726	32588629	24360224	919.810	923.923

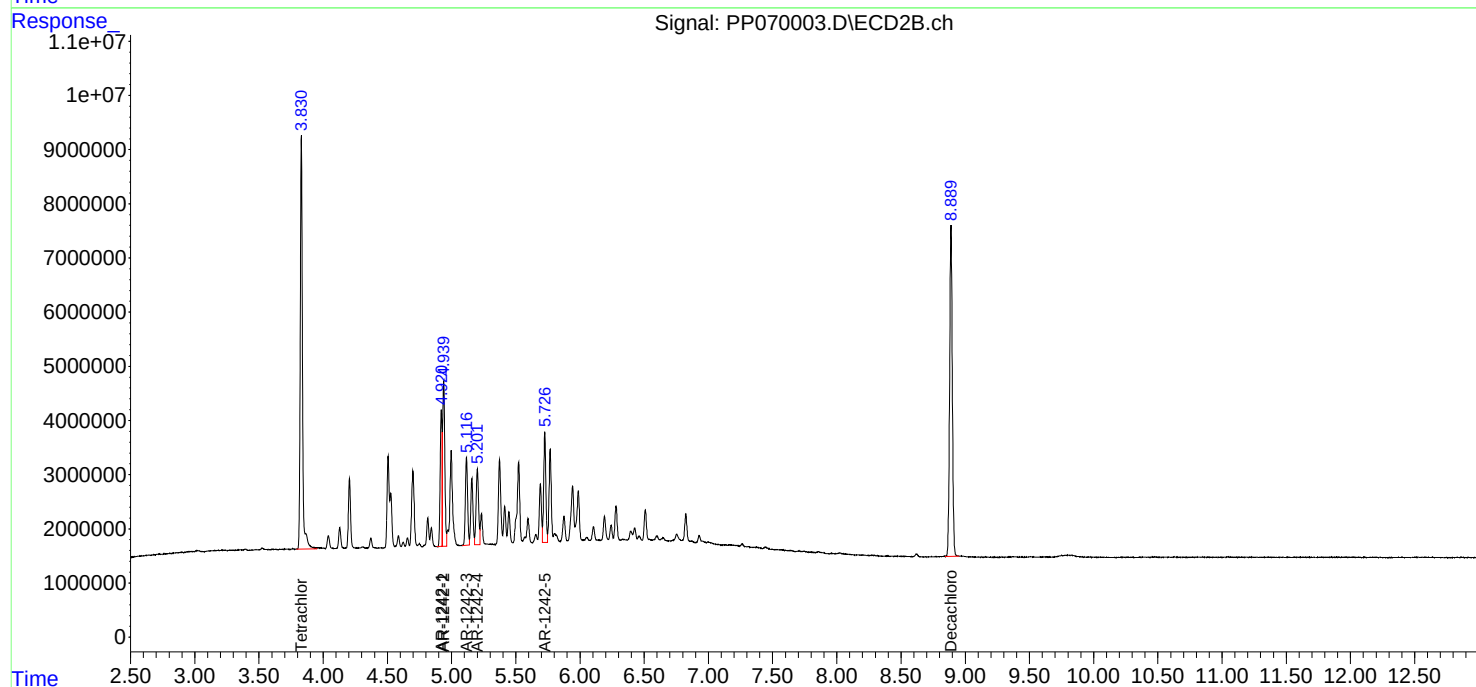
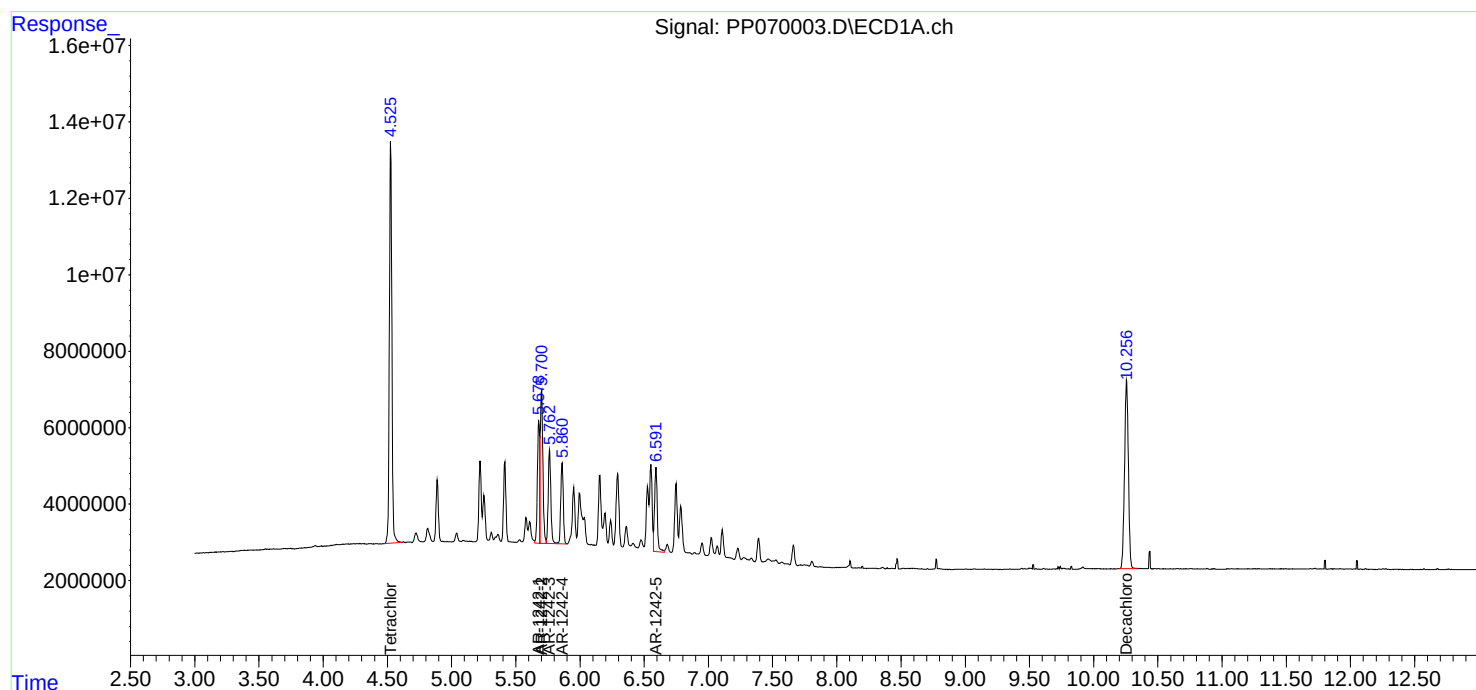
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

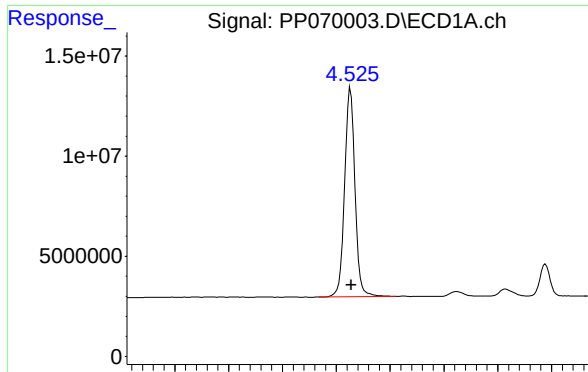
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 16:53
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:23:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

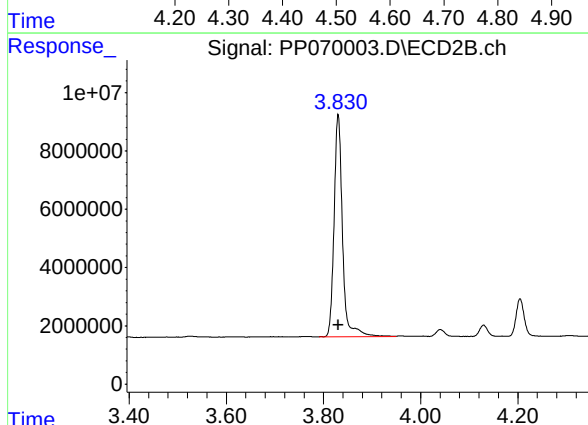




#1 Tetrachloro-m-xylene

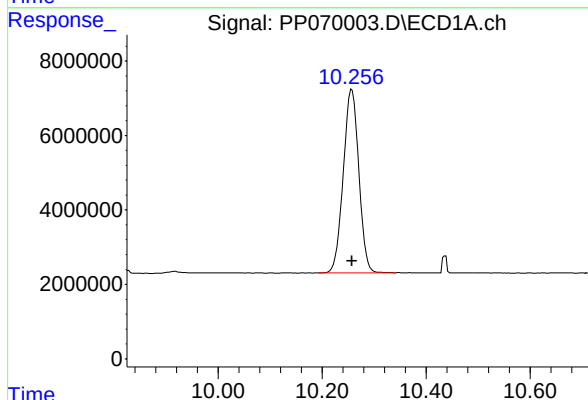
R.T.: 4.526 min
Delta R.T.: -0.002 min
Response: 139204769
Conc: 94.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



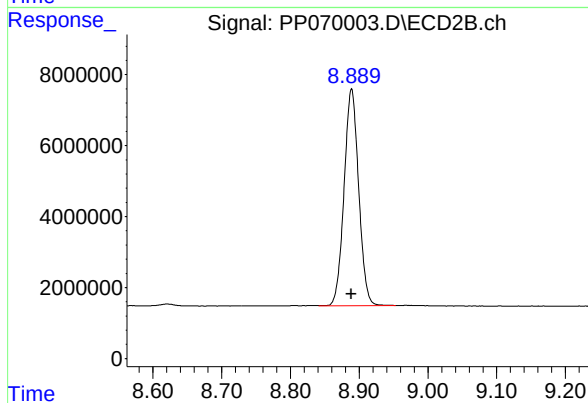
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 92080980
Conc: 96.01 ng/ml



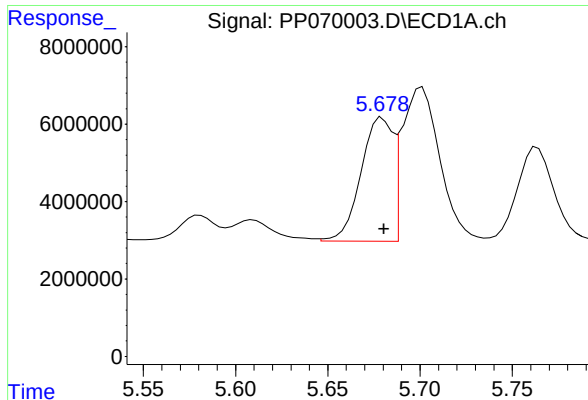
#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.000 min
Response: 102105009
Conc: 92.85 ng/ml



#2 Decachlorobiphenyl

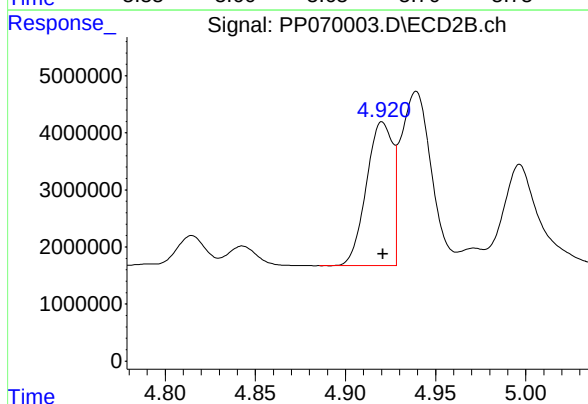
R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 89928404
Conc: 88.38 ng/ml



#16 AR-1242-1

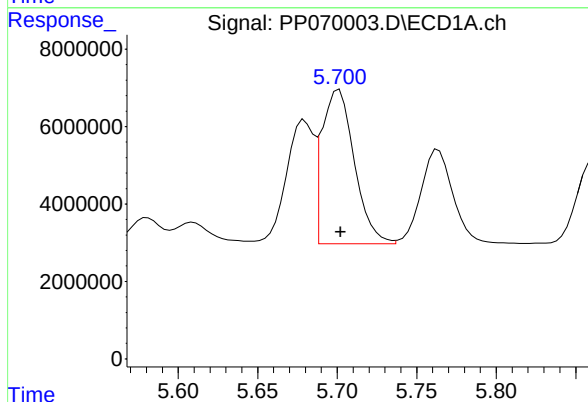
R.T.: 5.679 min
Delta R.T.: -0.001 min
Response: 38359202
Conc: 922.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



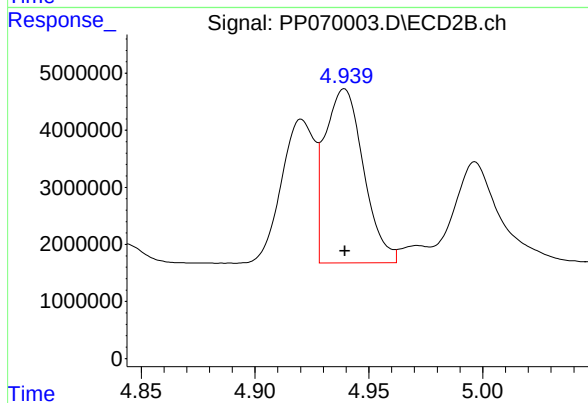
#16 AR-1242-1

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 25489035
Conc: 915.28 ng/ml



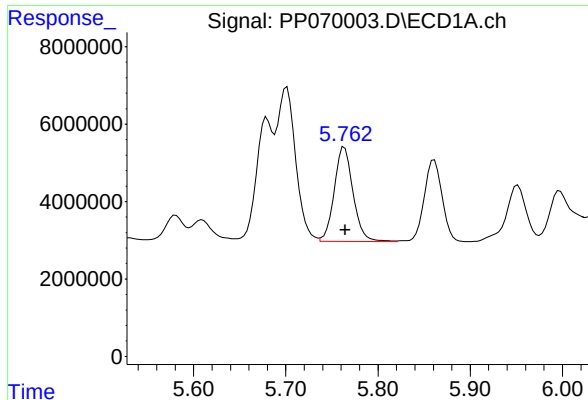
#17 AR-1242-2

R.T.: 5.701 min
Delta R.T.: 0.000 min
Response: 56757612
Conc: 940.81 ng/ml



#17 AR-1242-2

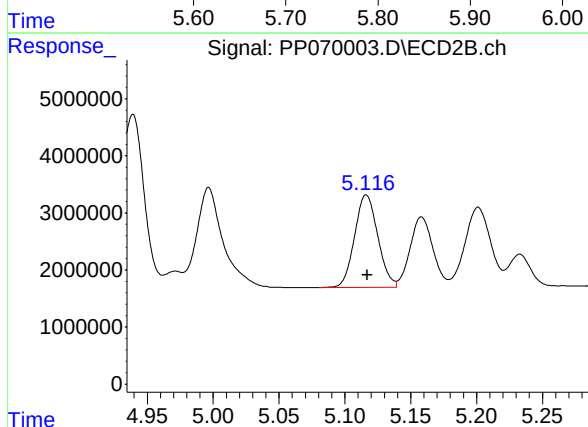
R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 35977820
Conc: 933.52 ng/ml



#18 AR-1242-3

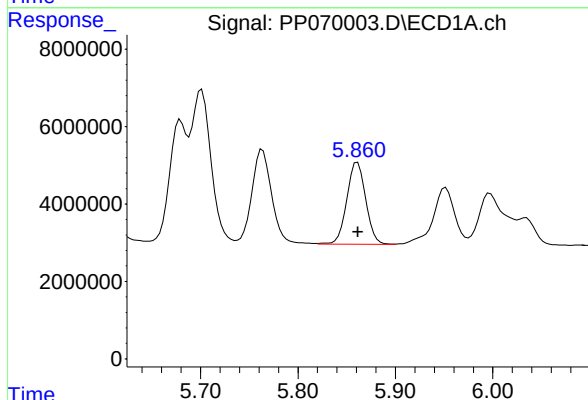
R.T.: 5.764 min
Delta R.T.: -0.001 min
Response: 34692482
Conc: 900.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



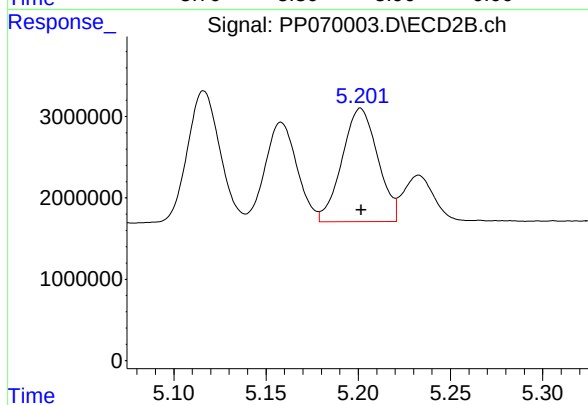
#18 AR-1242-3

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 19863858
Conc: 946.03 ng/ml



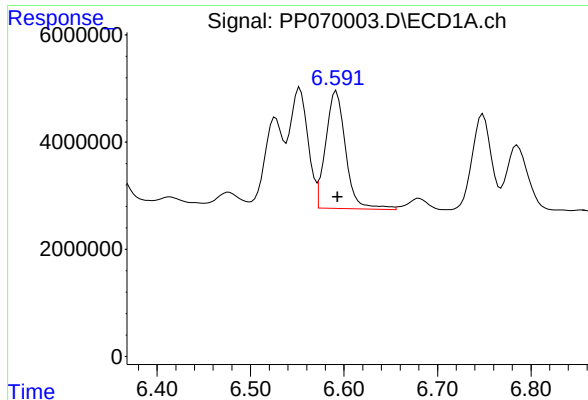
#19 AR-1242-4

R.T.: 5.861 min
Delta R.T.: 0.000 min
Response: 28738709
Conc: 897.58 ng/ml



#19 AR-1242-4

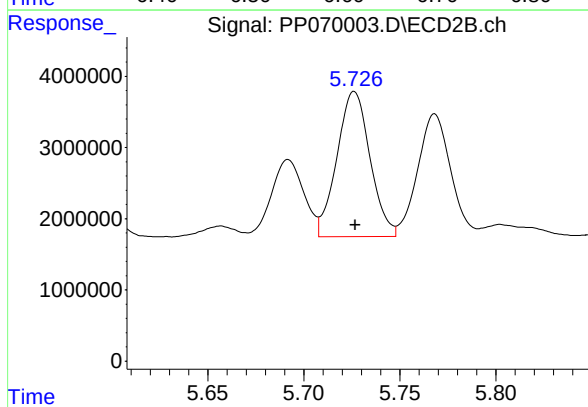
R.T.: 5.201 min
Delta R.T.: 0.000 min
Response: 18777771
Conc: 940.38 ng/ml



#20 AR-1242-5

R.T.: 6.592 min
Delta R.T.: -0.001 min
Response: 32588629
Conc: 919.81 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 24360224
Conc: 923.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 17:09
 Operator : YP\AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC750

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 01:24:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 01:23:11 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.524	3.829	101.3E6	64117819	69.002	66.852
2) SA Decachlor...	10.252	8.887	78714017	73846453	71.581	72.576
Target Compounds						
16) L4 AR-1242-1	5.676	4.919	30574617	18356263	735.556	659.149
17) L4 AR-1242-2	5.698	4.938	41750215	26399827	692.045	684.999
18) L4 AR-1242-3	5.761	5.115	27589494	13704946	716.084	652.705
19) L4 AR-1242-4	5.858	5.200	21218872	13441992	662.715	673.164
20) L4 AR-1242-5	6.587	5.725	24589114	16805975	694.025m	637.409

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:09
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_P

Client SampleId :

AR1242ICC750

Manual Integrations

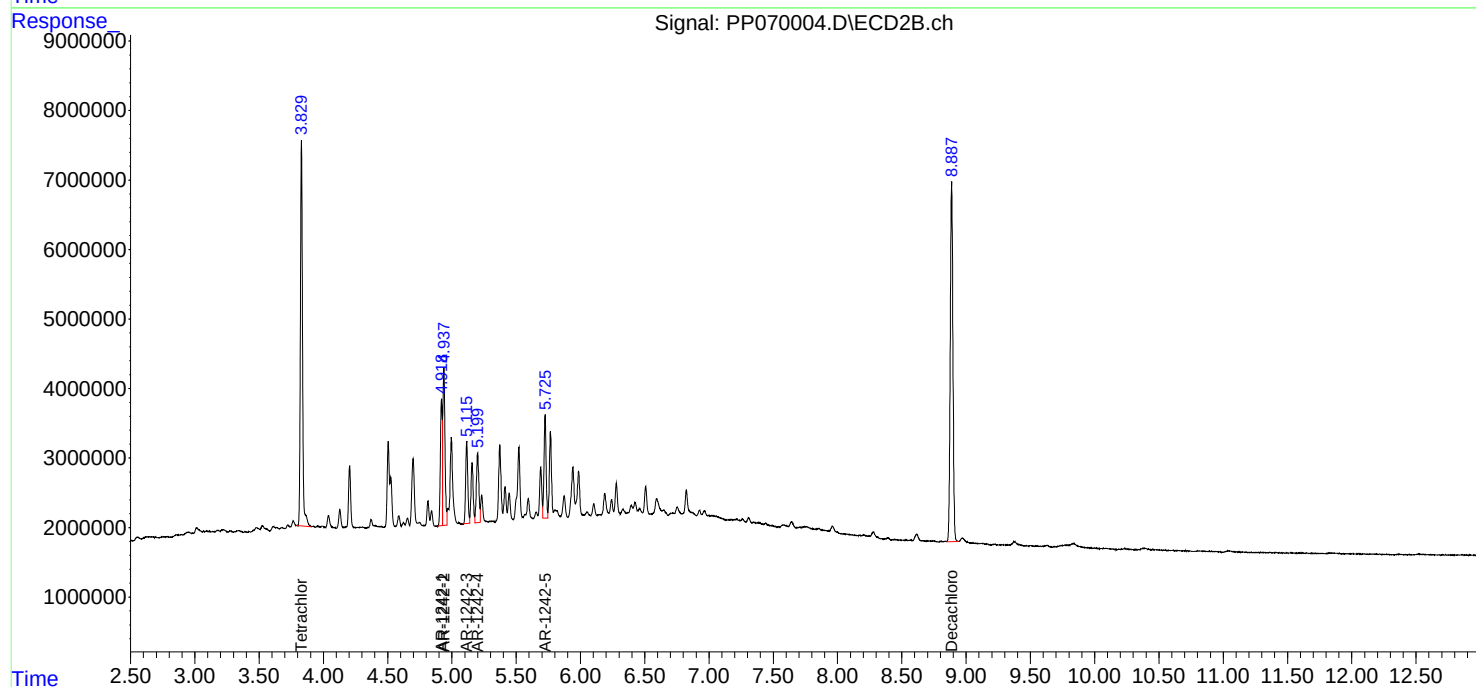
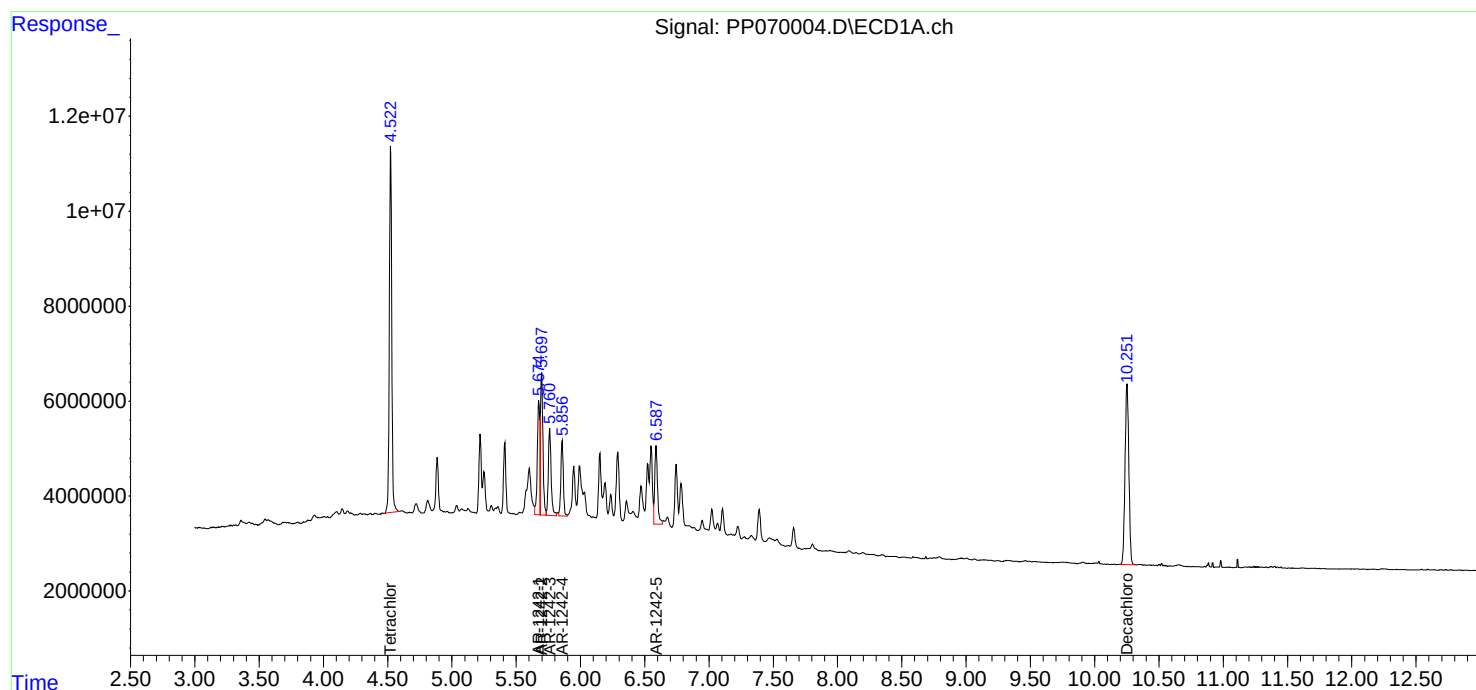
APPROVED

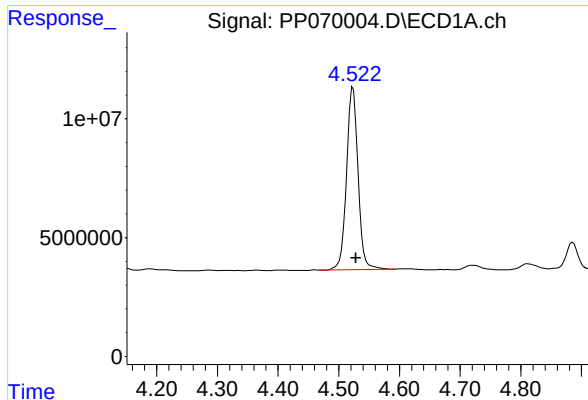
Reviewed By :Yogesh Patel 02/25/2025

Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





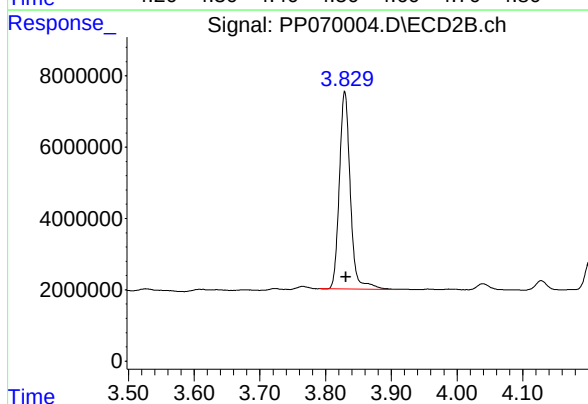
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.004 min
Response: 101254995
Conc: 69.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

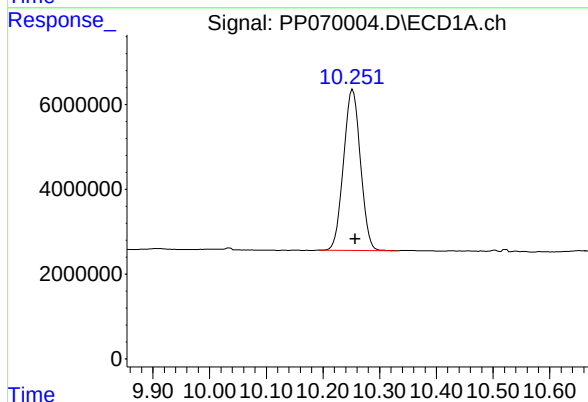
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



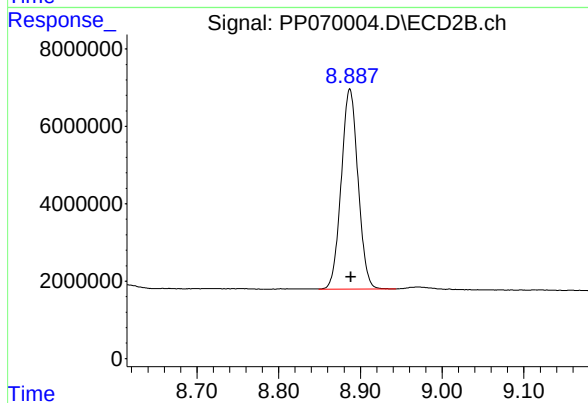
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.002 min
Response: 64117819
Conc: 66.85 ng/ml



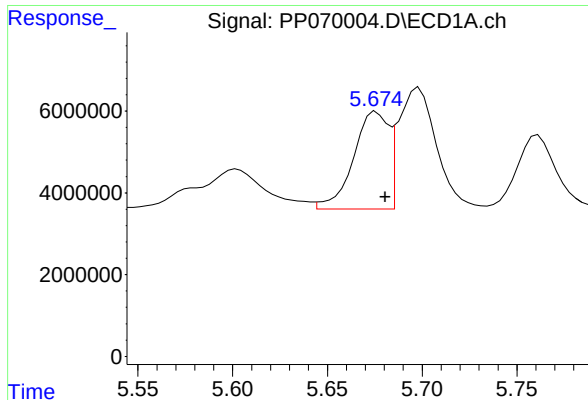
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.005 min
Response: 78714017
Conc: 71.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.002 min
Response: 73846453
Conc: 72.58 ng/ml



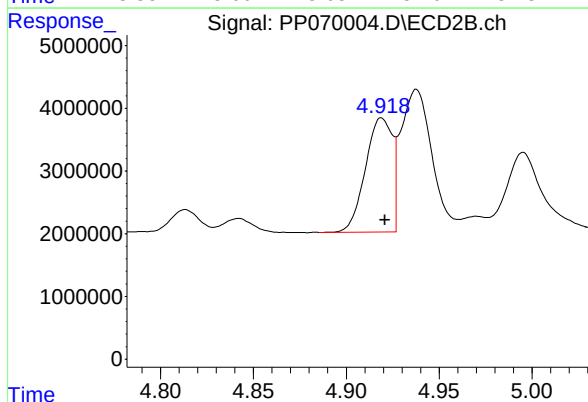
#16 AR-1242-1

R.T.: 5.676 min
Delta R.T.: -0.005 min
Response: 30574617
Conc: 735.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

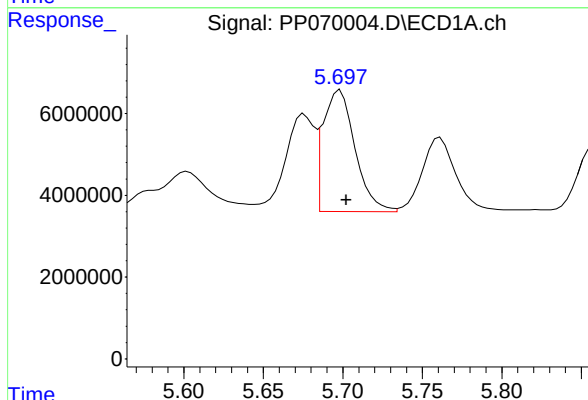
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



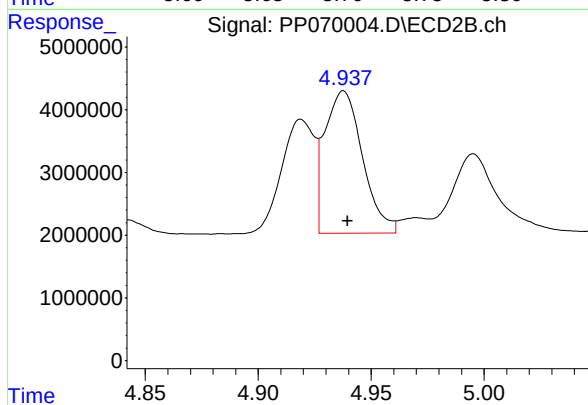
#16 AR-1242-1

R.T.: 4.919 min
Delta R.T.: -0.002 min
Response: 18356263
Conc: 659.15 ng/ml



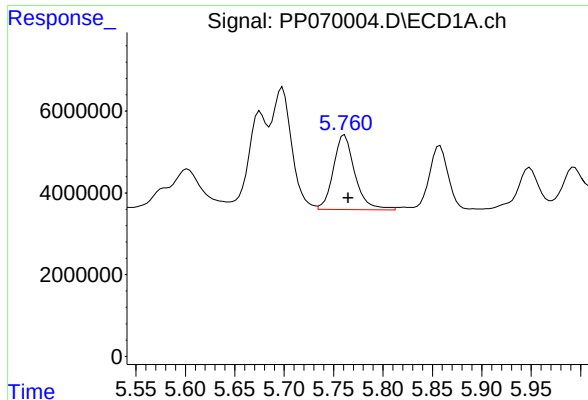
#17 AR-1242-2

R.T.: 5.698 min
Delta R.T.: -0.004 min
Response: 41750215
Conc: 692.05 ng/ml



#17 AR-1242-2

R.T.: 4.938 min
Delta R.T.: -0.002 min
Response: 26399827
Conc: 685.00 ng/ml



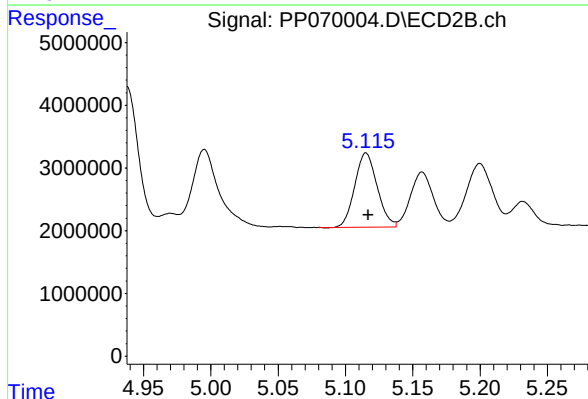
#18 AR-1242-3

R.T.: 5.761 min
Delta R.T.: -0.004 min
Response: 27589494
Conc: 716.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

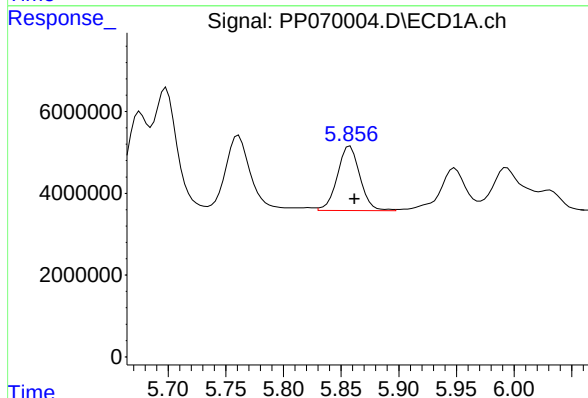
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



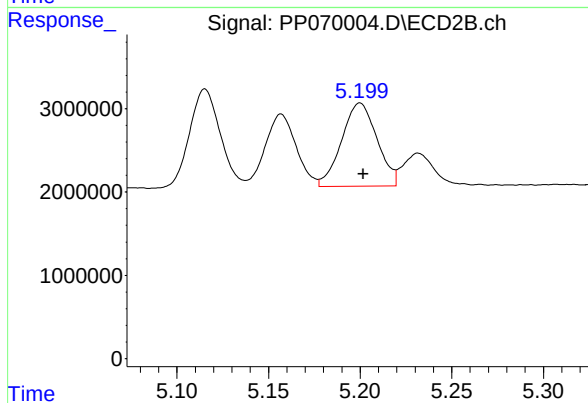
#18 AR-1242-3

R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 13704946
Conc: 652.70 ng/ml



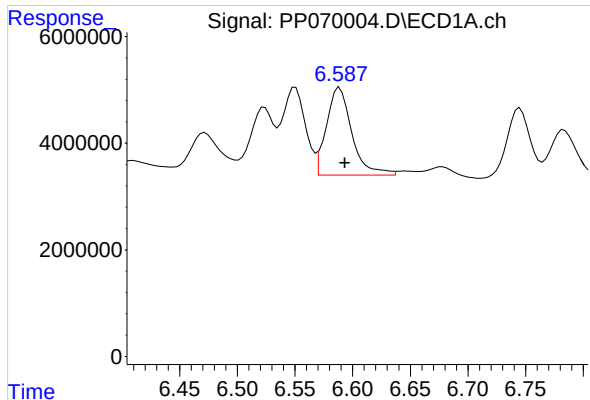
#19 AR-1242-4

R.T.: 5.858 min
Delta R.T.: -0.004 min
Response: 21218872
Conc: 662.71 ng/ml



#19 AR-1242-4

R.T.: 5.200 min
Delta R.T.: -0.002 min
Response: 13441992
Conc: 673.16 ng/ml



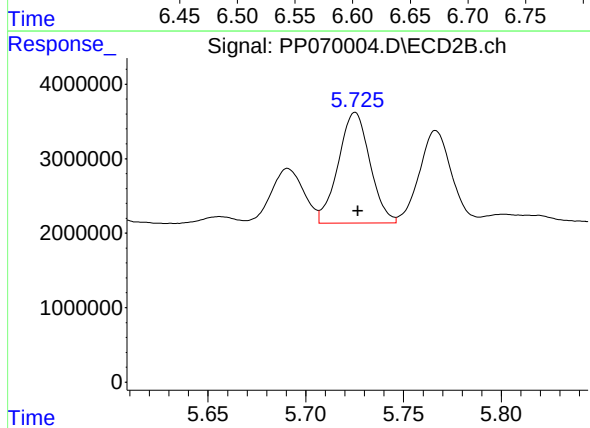
#20 AR-1242-5

R.T.: 6.587 min
Delta R.T.: -0.006 min
Response: 24589114
Conc: 694.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#20 AR-1242-5

R.T.: 5.725 min
Delta R.T.: -0.001 min
Response: 16805975
Conc: 637.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:25
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.528	3.831	73371073	47955339	50.000	50.000
2) SA Decachlor...	10.257	8.889	54982444	50875100	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	5.681	4.921	20783334	13924208	500.000	500.000
17) L4 AR-1242-2	5.702	4.940	30164357	19269964	500.000	500.000
18) L4 AR-1242-3	5.765	5.117	19264155	10498576	500.000	500.000
19) L4 AR-1242-4	5.862	5.202	16009056	9984182	500.000	500.000
20) L4 AR-1242-5	6.593	5.727	17714873	13183045	500.000	500.000

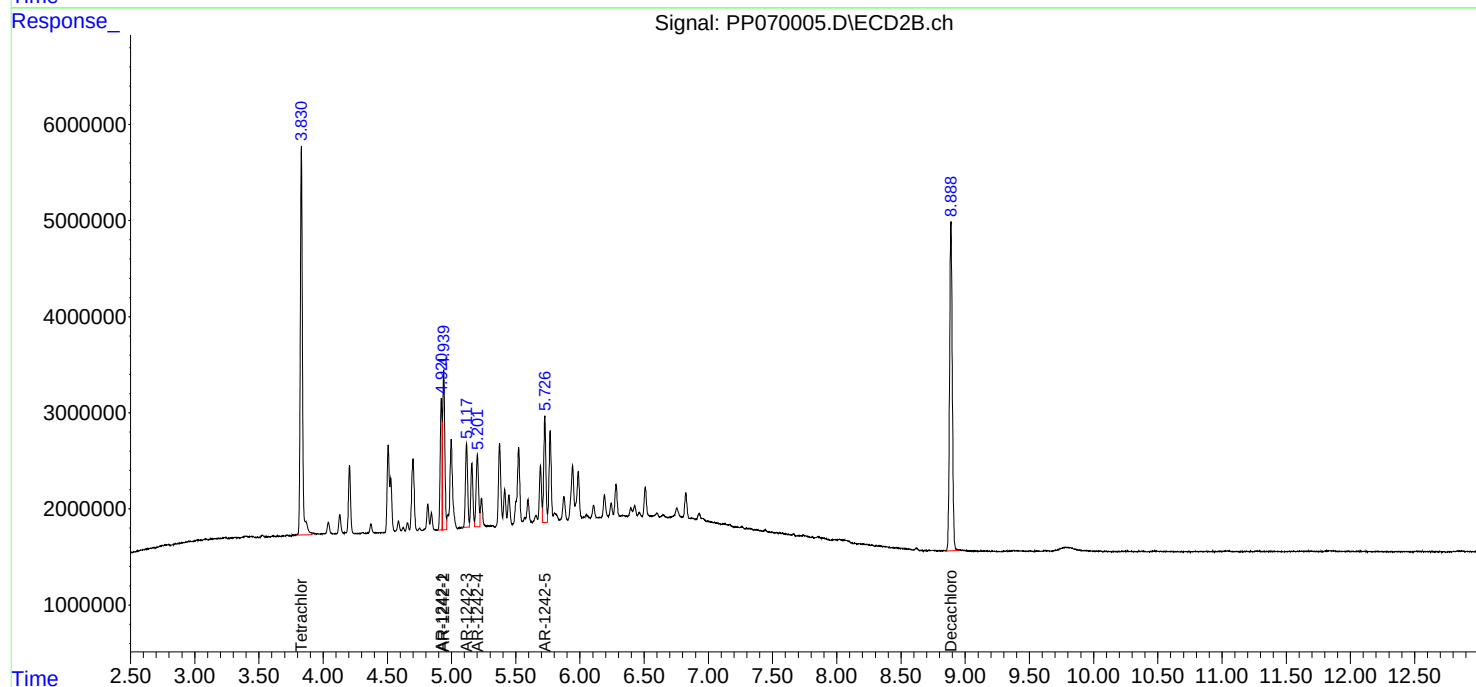
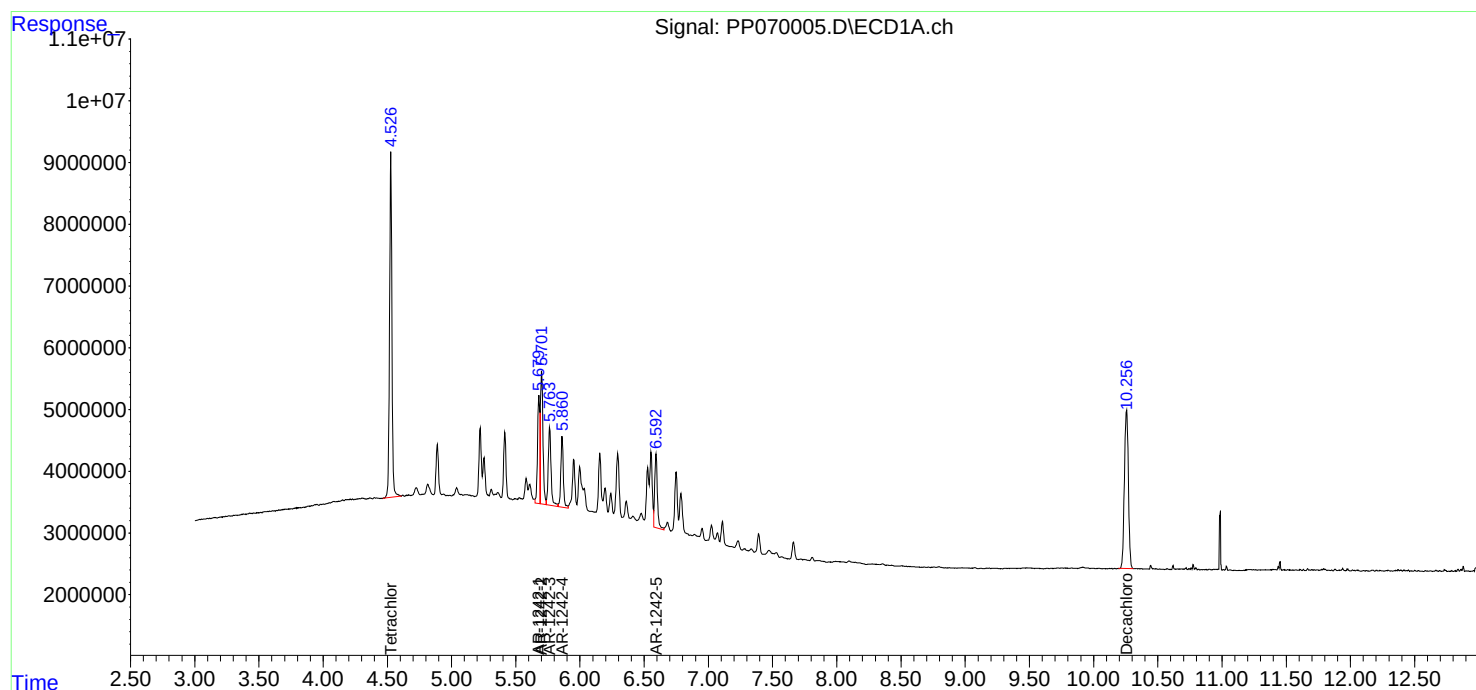
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

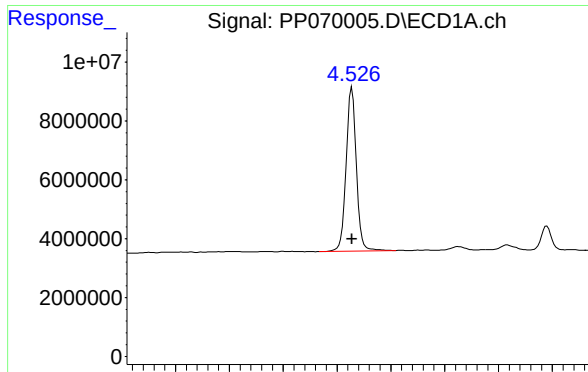
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:25
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

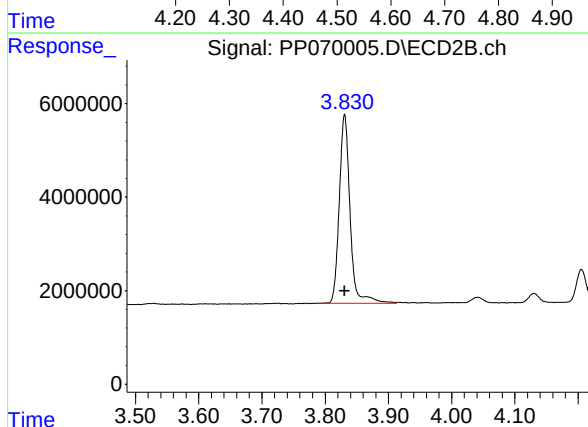




#1 Tetrachloro-m-xylene

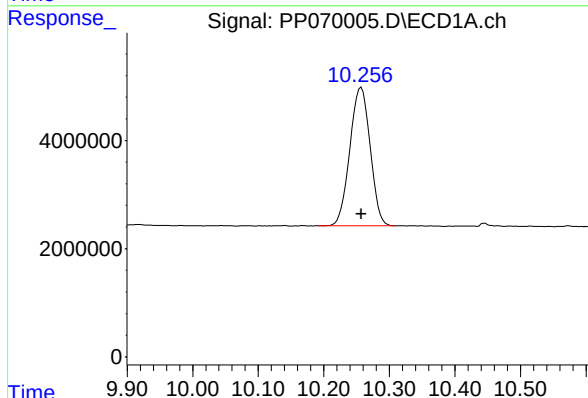
R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 73371073
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



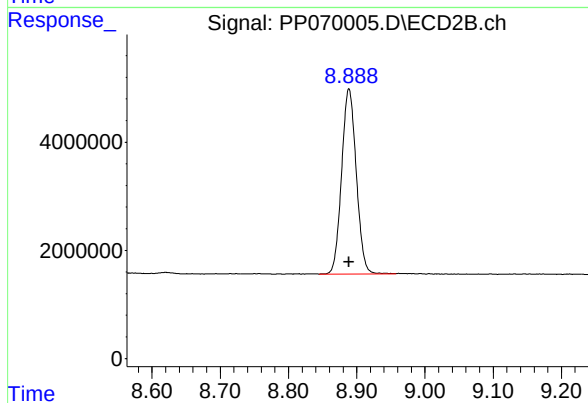
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.000 min
Response: 47955339
Conc: 50.00 ng/ml



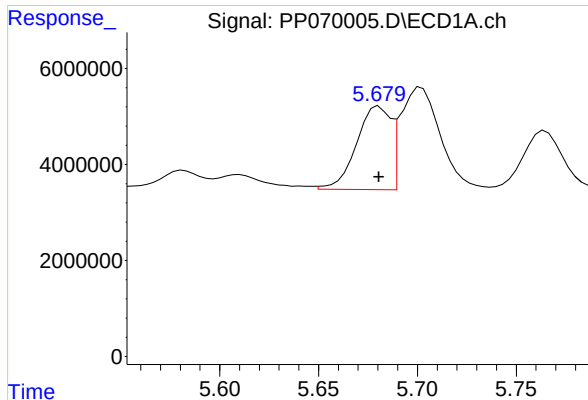
#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.000 min
Response: 54982444
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

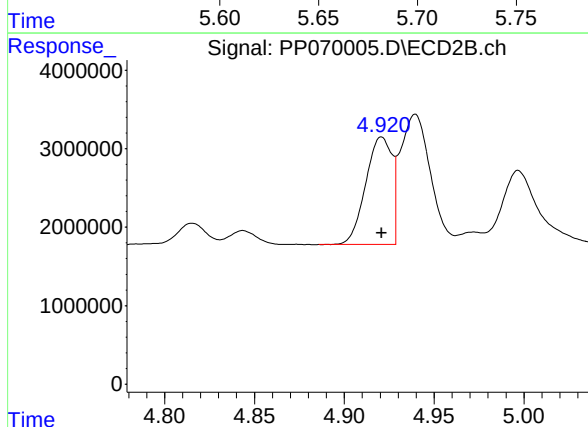
R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 50875100
Conc: 50.00 ng/ml



#16 AR-1242-1

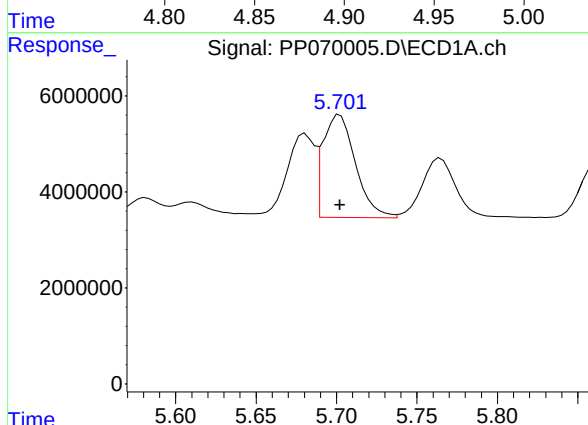
R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 20783334
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



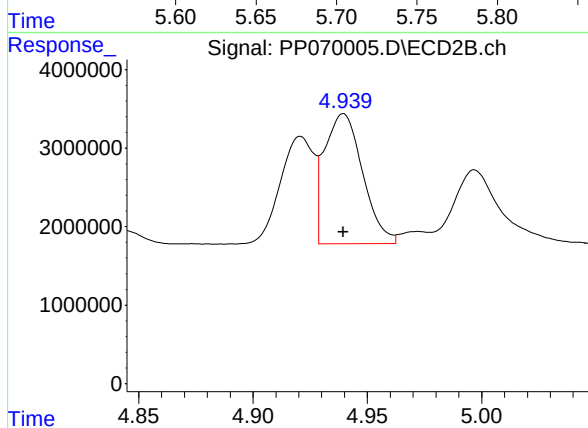
#16 AR-1242-1

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 13924208
Conc: 500.00 ng/ml



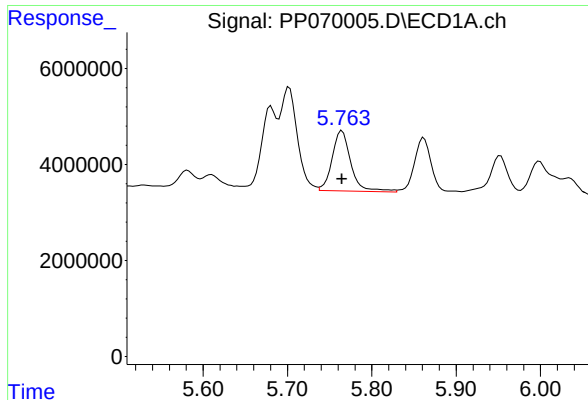
#17 AR-1242-2

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 30164357
Conc: 500.00 ng/ml



#17 AR-1242-2

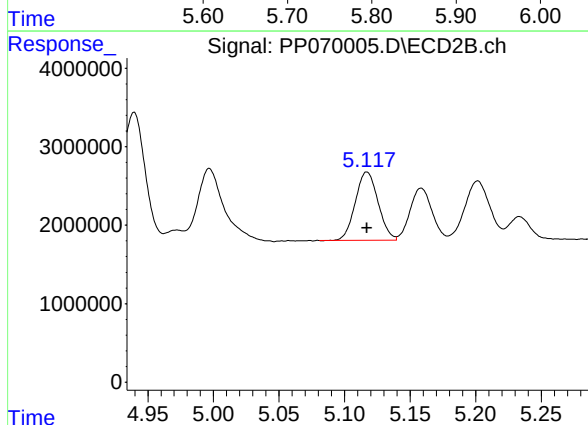
R.T.: 4.940 min
Delta R.T.: 0.000 min
Response: 19269964
Conc: 500.00 ng/ml



#18 AR-1242-3

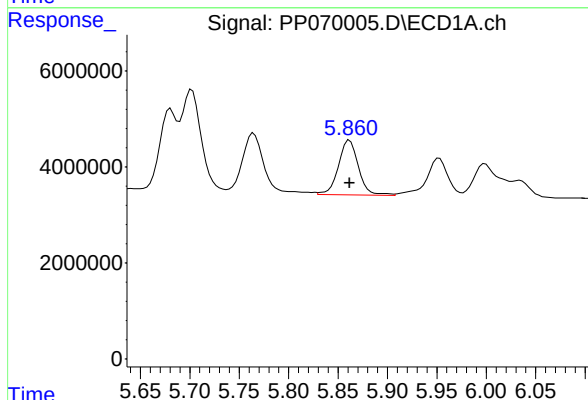
R.T.: 5.765 min
Delta R.T.: 0.000 min
Response: 19264155
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



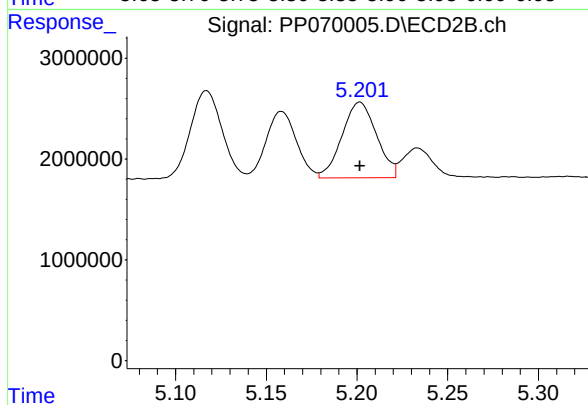
#18 AR-1242-3

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 10498576
Conc: 500.00 ng/ml



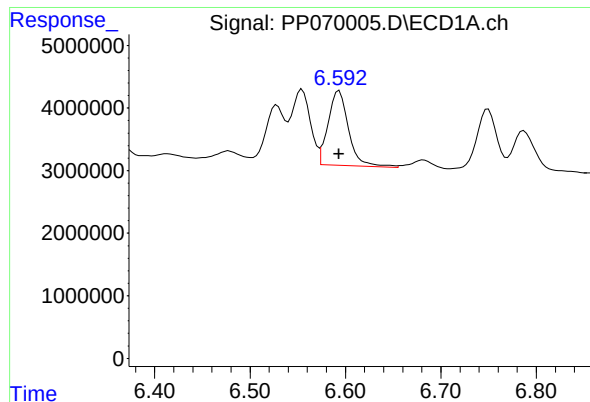
#19 AR-1242-4

R.T.: 5.862 min
Delta R.T.: 0.000 min
Response: 16009056
Conc: 500.00 ng/ml



#19 AR-1242-4

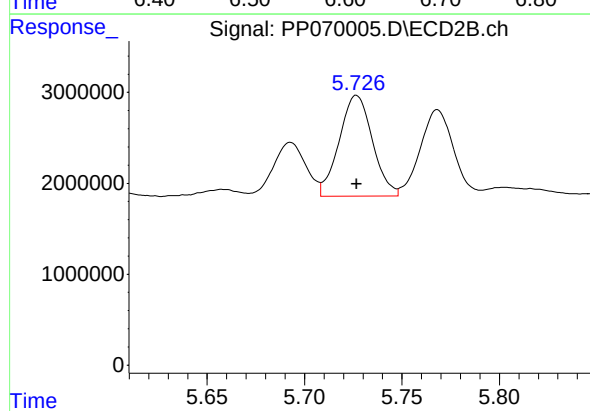
R.T.: 5.202 min
Delta R.T.: 0.000 min
Response: 9984182
Conc: 500.00 ng/ml



#20 AR-1242-5

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 17714873
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC500



#20 AR-1242-5

R.T.: 5.727 min
Delta R.T.: 0.000 min
Response: 13183045
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 17:42
 Operator : YP\AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC250

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 01:24:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 01:23:11 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.525	3.829	36420158	23238423	24.819	24.229
2) SA Decachlor...	10.254	8.888	28130617	25684434	25.581	25.243
Target Compounds						
16) L4 AR-1242-1	5.678	4.919	11990791	6779361	288.471	243.438
17) L4 AR-1242-2	5.700	4.938	15666233	9769011	259.681	253.478
18) L4 AR-1242-3	5.762	5.116	11634928	5020722	301.984	239.114
19) L4 AR-1242-4	5.859	5.200	8093244	5275134	252.771	264.175
20) L4 AR-1242-5	6.589	5.726	9813802	6842000	276.993m	259.500

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:42
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

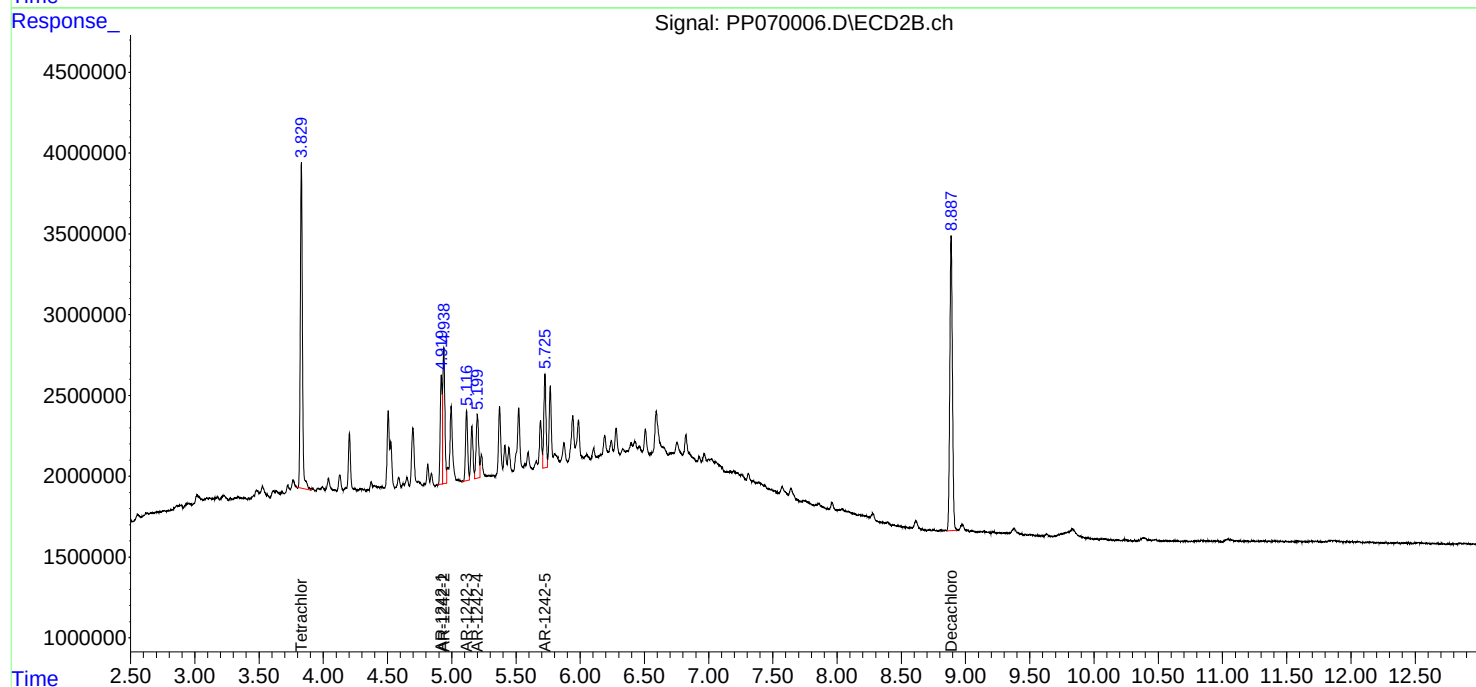
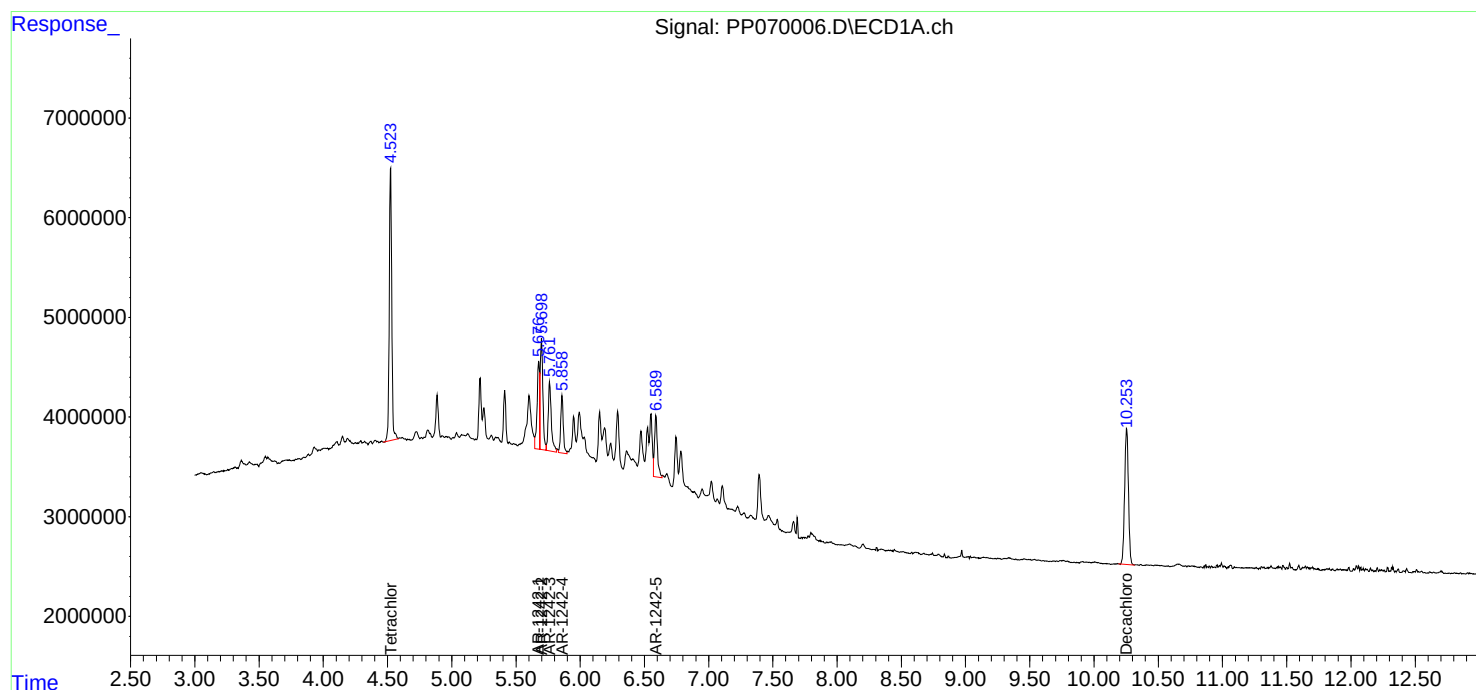
Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

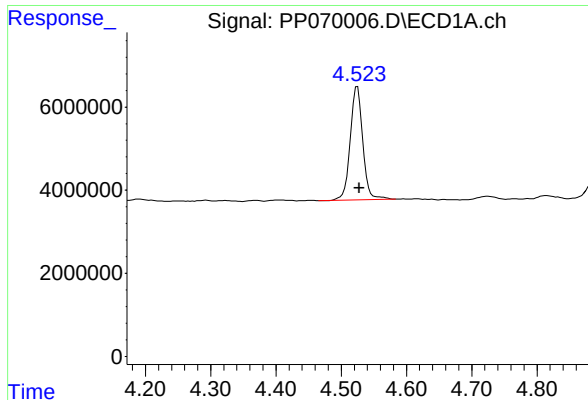
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:24:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





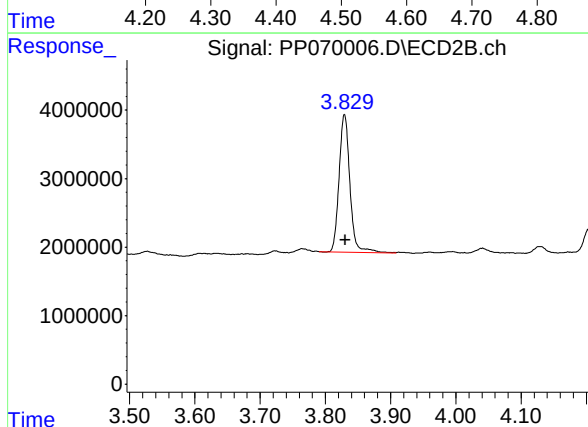
#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: -0.003 min
Response: 36420158
Conc: 24.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

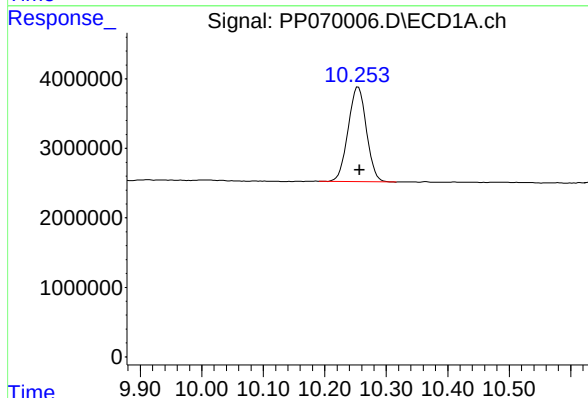
Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



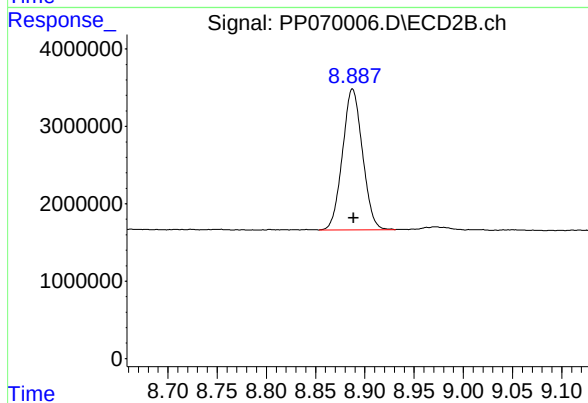
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.001 min
Response: 23238423
Conc: 24.23 ng/ml



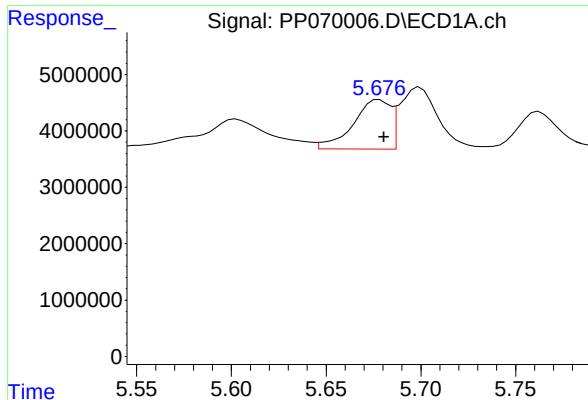
#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.003 min
Response: 28130617
Conc: 25.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: -0.001 min
Response: 25684434
Conc: 25.24 ng/ml



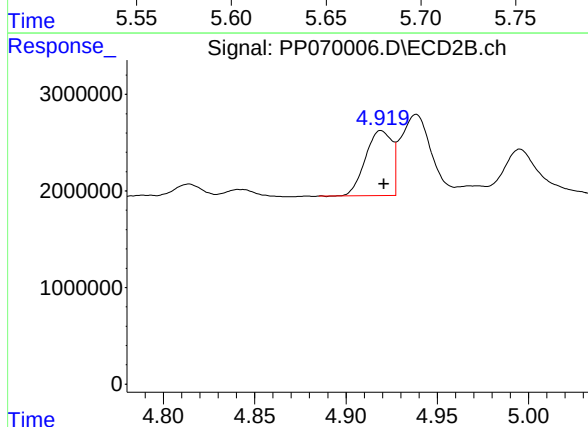
#16 AR-1242-1

R.T.: 5.678 min
Delta R.T.: -0.003 min
Response: 11990791
Conc: 288.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

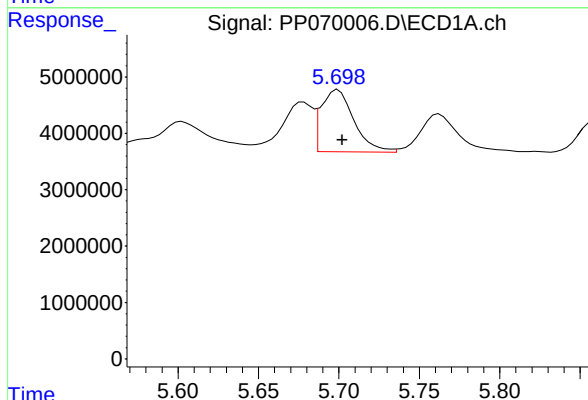
Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



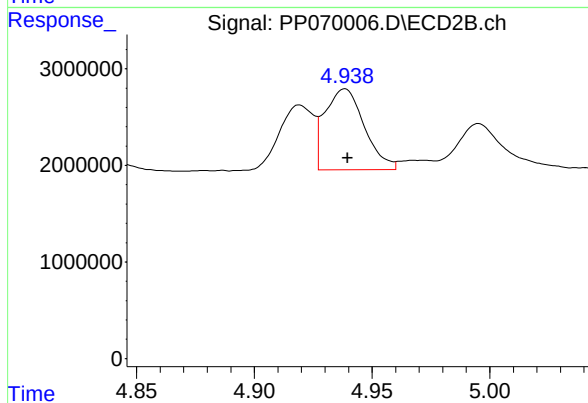
#16 AR-1242-1

R.T.: 4.919 min
Delta R.T.: -0.002 min
Response: 6779361
Conc: 243.44 ng/ml



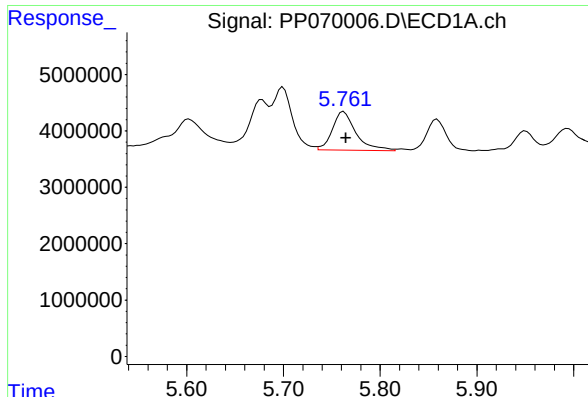
#17 AR-1242-2

R.T.: 5.700 min
Delta R.T.: -0.003 min
Response: 15666233
Conc: 259.68 ng/ml



#17 AR-1242-2

R.T.: 4.938 min
Delta R.T.: -0.001 min
Response: 9769011
Conc: 253.48 ng/ml



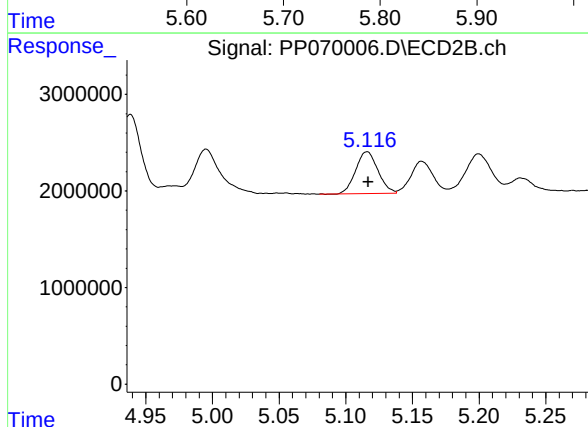
#18 AR-1242-3

R.T.: 5.762 min
Delta R.T.: -0.002 min
Response: 11634928
Conc: 301.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

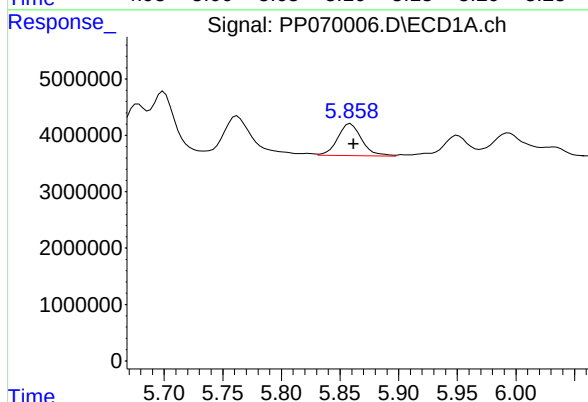
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



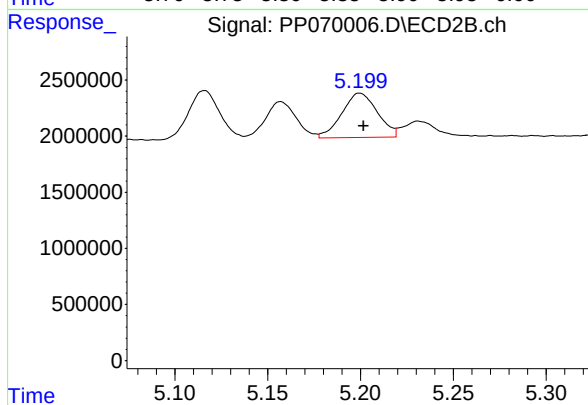
#18 AR-1242-3

R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 5020722
Conc: 239.11 ng/ml



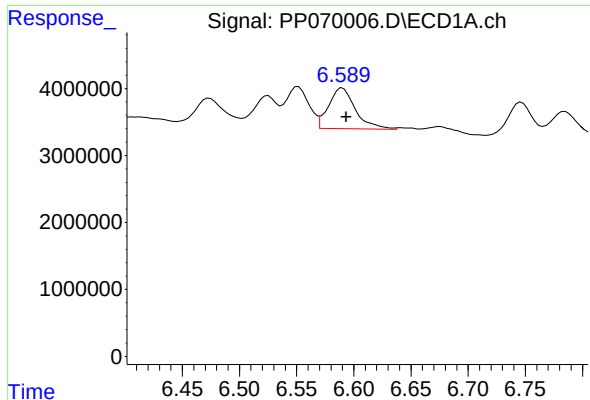
#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: -0.003 min
Response: 8093244
Conc: 252.77 ng/ml



#19 AR-1242-4

R.T.: 5.200 min
Delta R.T.: -0.002 min
Response: 5275134
Conc: 264.17 ng/ml



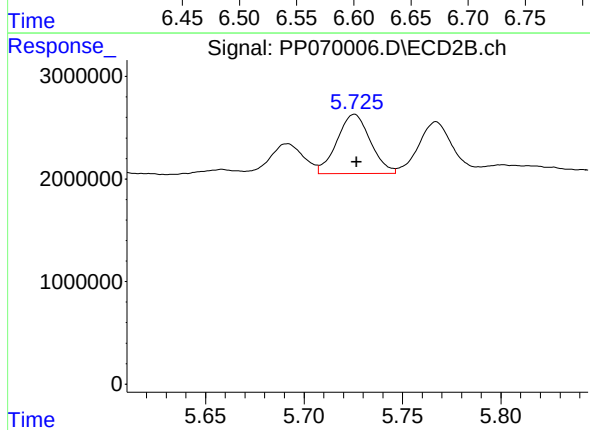
#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.005 min
Response: 9813802
Conc: 276.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC250

Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#20 AR-1242-5

R.T.: 5.726 min
Delta R.T.: -0.001 min
Response: 6842000
Conc: 259.50 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 17:58
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 01:25:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 01:23:11 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.830	6212998	4474832	4.234	4.666
2) SA Decachlor...	10.256	8.887	4895884	4811680	4.452	4.729
Target Compounds						
16) L4 AR-1242-1	5.677	4.920	2181038	1420391	52.471m	51.004
17) L4 AR-1242-2	5.699	4.939	2614722	1860627	43.341m	48.278
18) L4 AR-1242-3	5.763	5.117	1654007	960575	42.930m	45.748
19) L4 AR-1242-4	5.859	5.201	1382614	1025258	43.182m	51.344
20) L4 AR-1242-5	6.591	5.726	1805860	1192778	50.970m	45.239

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 17:58
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

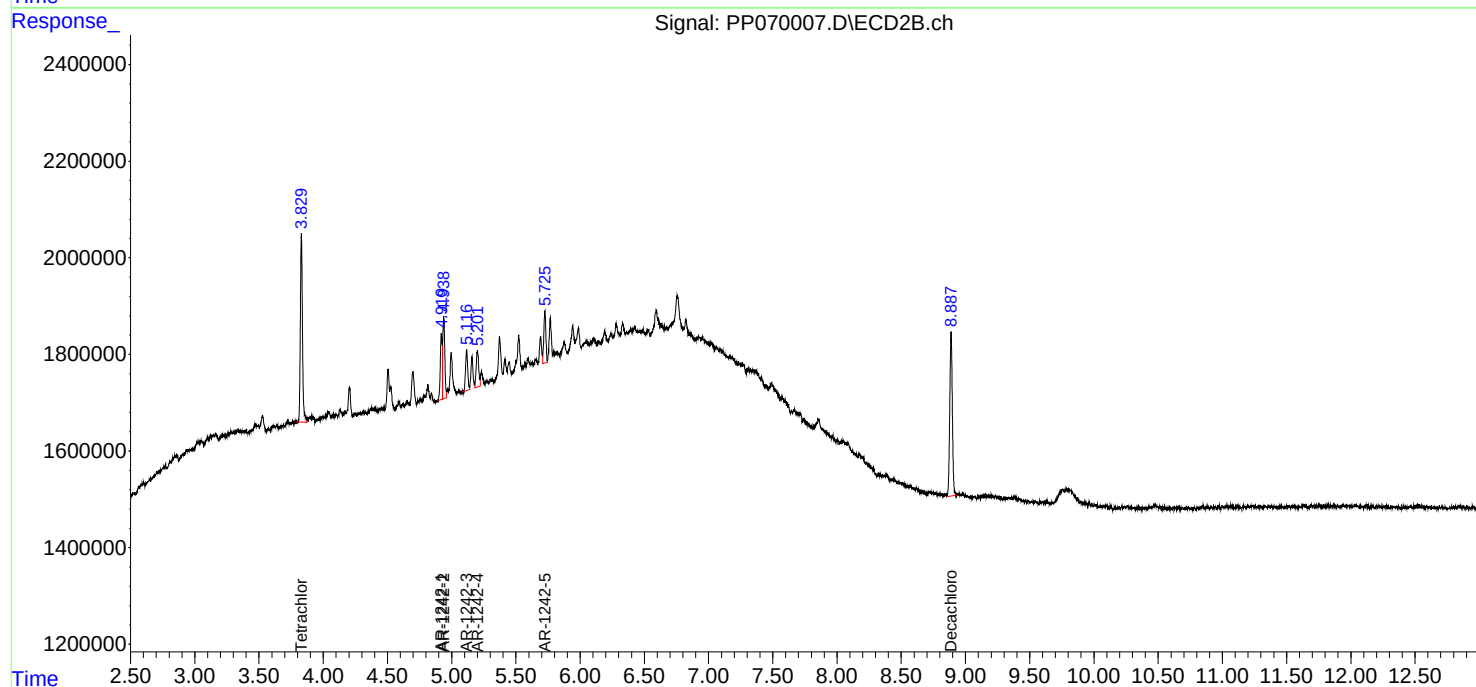
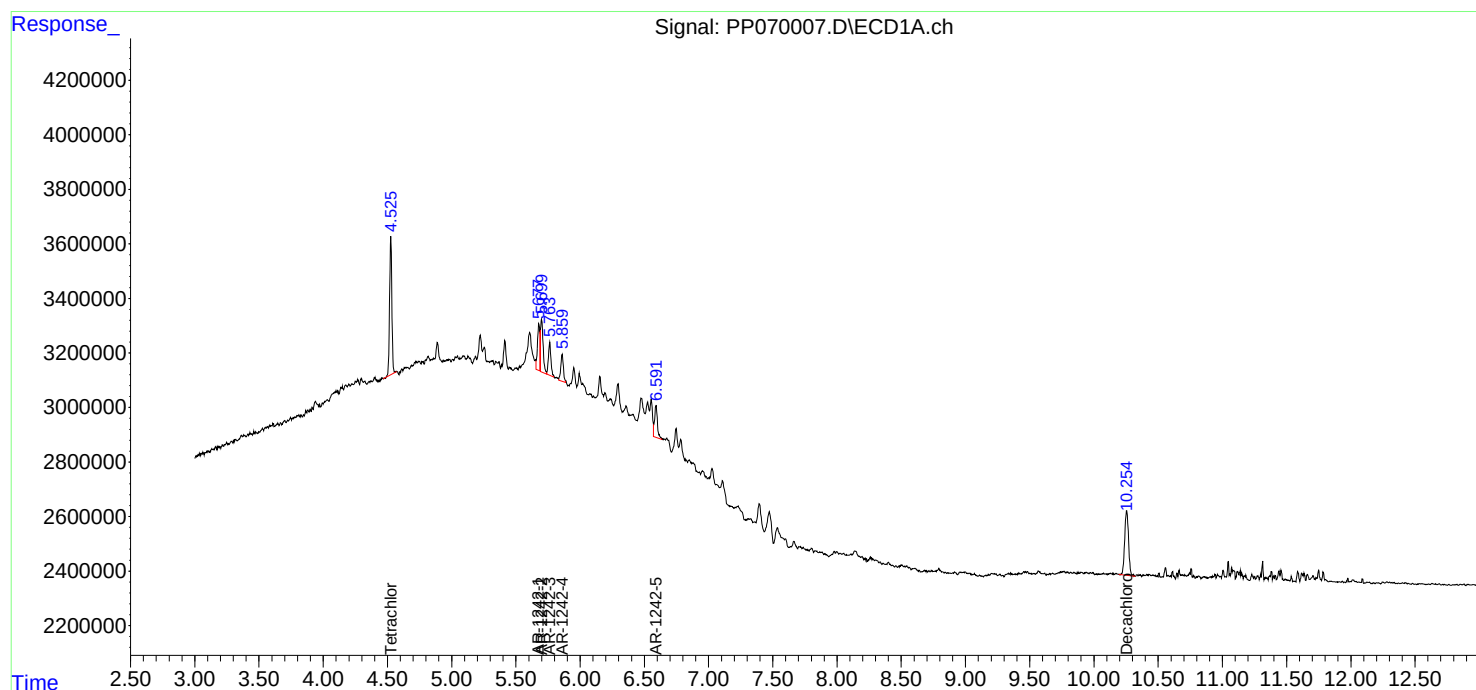
Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

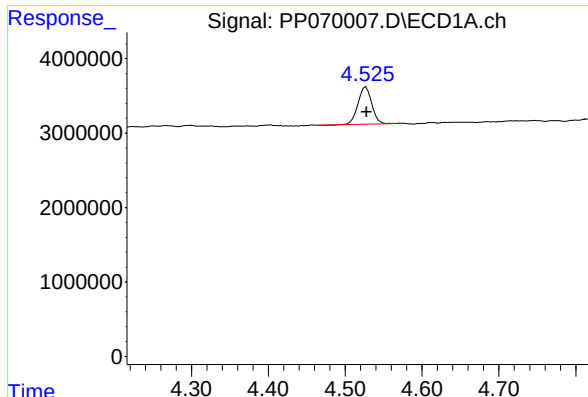
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:25:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





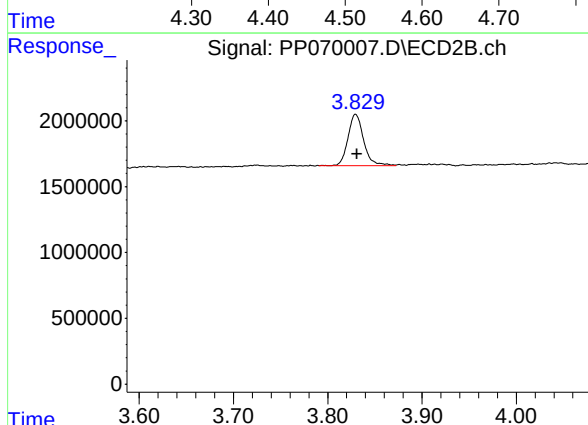
#1 Tetrachloro-m-xylene

R.T.: 4.527 min
Delta R.T.: -0.001 min
Response: 6212998
Conc: 4.23 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

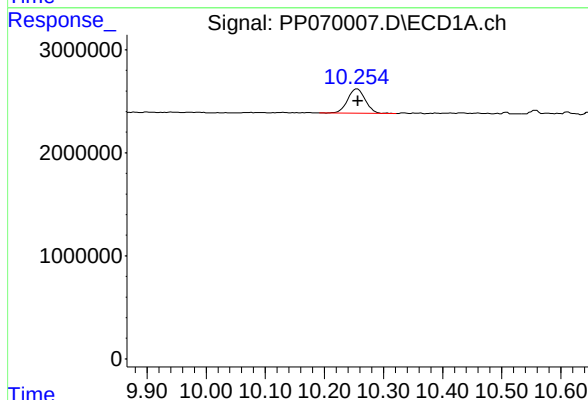
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



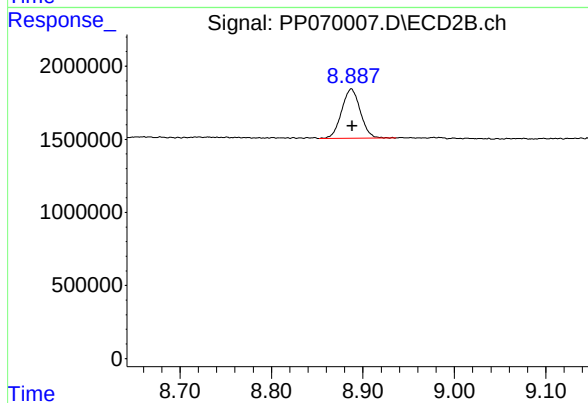
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: -0.001 min
Response: 4474832
Conc: 4.67 ng/ml



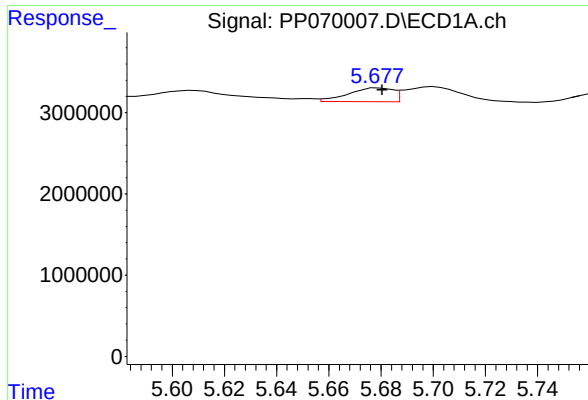
#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: -0.002 min
Response: 4895884
Conc: 4.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: -0.001 min
Response: 4811680
Conc: 4.73 ng/ml



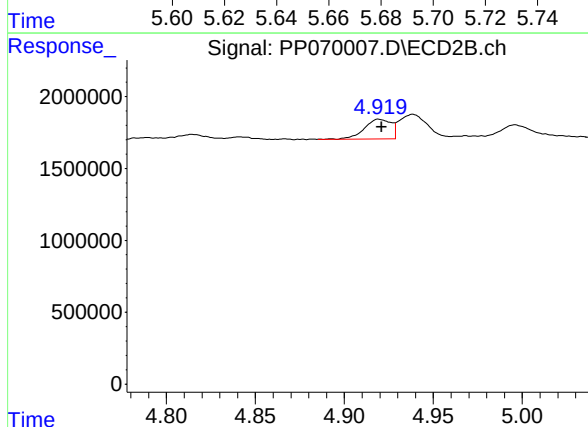
#16 AR-1242-1

R.T.: 5.677 min
Delta R.T.: -0.003 min
Response: 2181038
Conc: 52.47 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

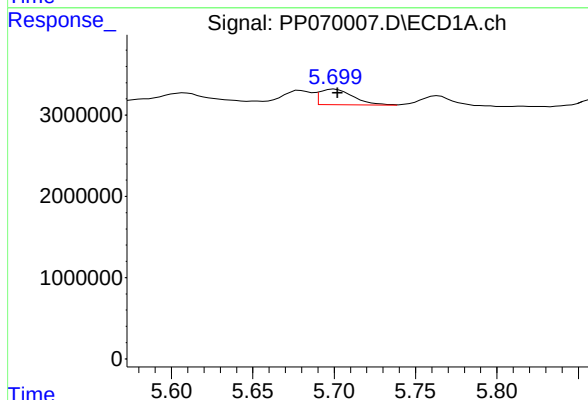
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



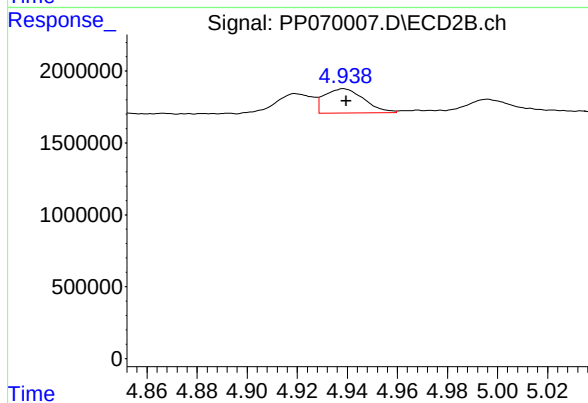
#16 AR-1242-1

R.T.: 4.920 min
Delta R.T.: -0.001 min
Response: 1420391
Conc: 51.00 ng/ml



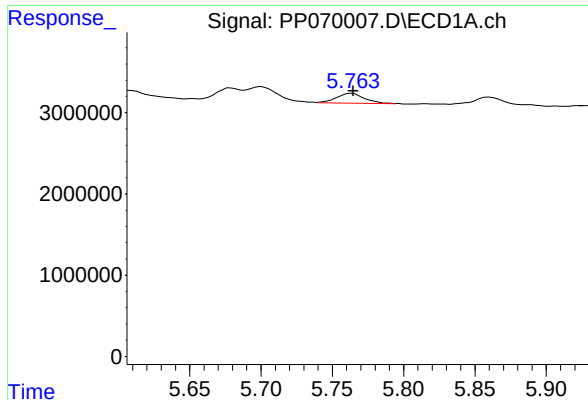
#17 AR-1242-2

R.T.: 5.699 min
Delta R.T.: -0.003 min
Response: 2614722
Conc: 43.34 ng/ml m



#17 AR-1242-2

R.T.: 4.939 min
Delta R.T.: -0.001 min
Response: 1860627
Conc: 48.28 ng/ml



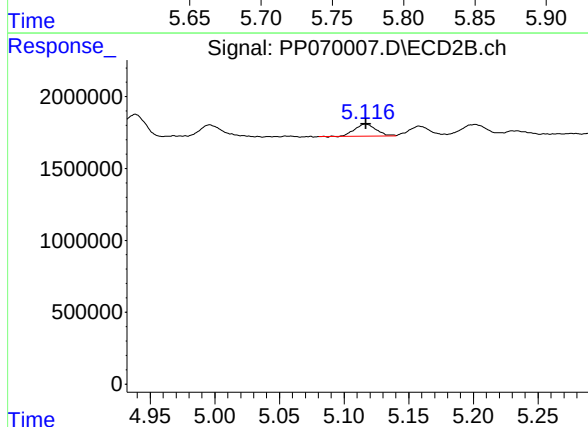
#18 AR-1242-3

R.T.: 5.763 min
Delta R.T.: -0.002 min
Response: 1654007
Conc: 42.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

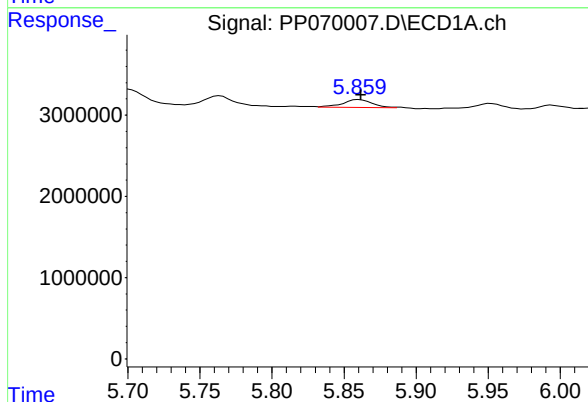
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



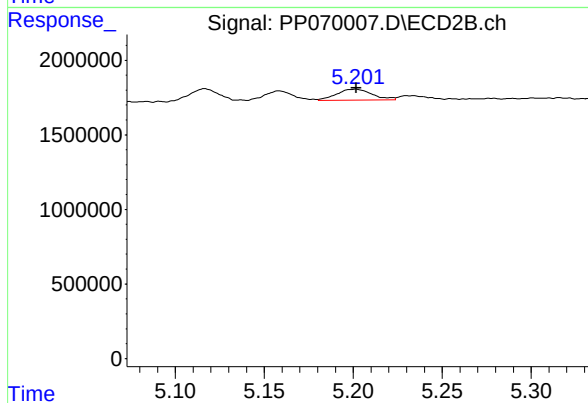
#18 AR-1242-3

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 960575
Conc: 45.75 ng/ml



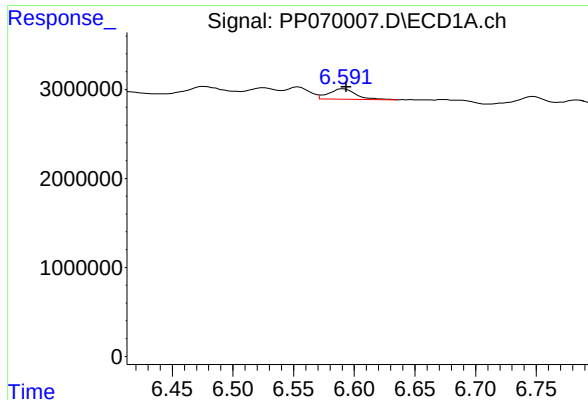
#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: -0.003 min
Response: 1382614
Conc: 43.18 ng/ml m



#19 AR-1242-4

R.T.: 5.201 min
Delta R.T.: 0.000 min
Response: 1025258
Conc: 51.34 ng/ml



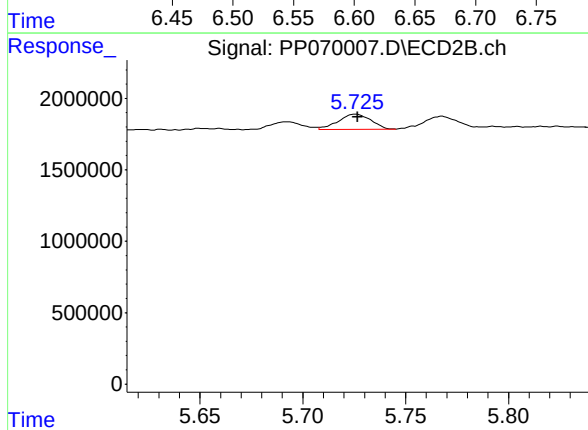
#20 AR-1242-5

R.T.: 6.591 min
Delta R.T.: -0.003 min
Response: 1805860
Conc: 50.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#20 AR-1242-5

R.T.: 5.726 min
Delta R.T.: -0.001 min
Response: 1192778
Conc: 45.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:14
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:36:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.830	139.3E6	90311132	94.016	94.329
2) SA Decachlor...	10.255	8.888	104.5E6	99982653	93.281	99.597
Target Compounds						
21) L5 AR-1248-1	5.680	4.920	29585124	19339318	908.660	872.779
22) L5 AR-1248-2	5.952	5.159	39473771	25841628	920.901	891.615
23) L5 AR-1248-3	6.154	5.201	43926772	26866525	935.645	892.927
24) L5 AR-1248-4	6.553	5.374	53918087	31739244	919.468	899.490
25) L5 AR-1248-5	6.592	5.768	51833391	32923317	911.039	912.249

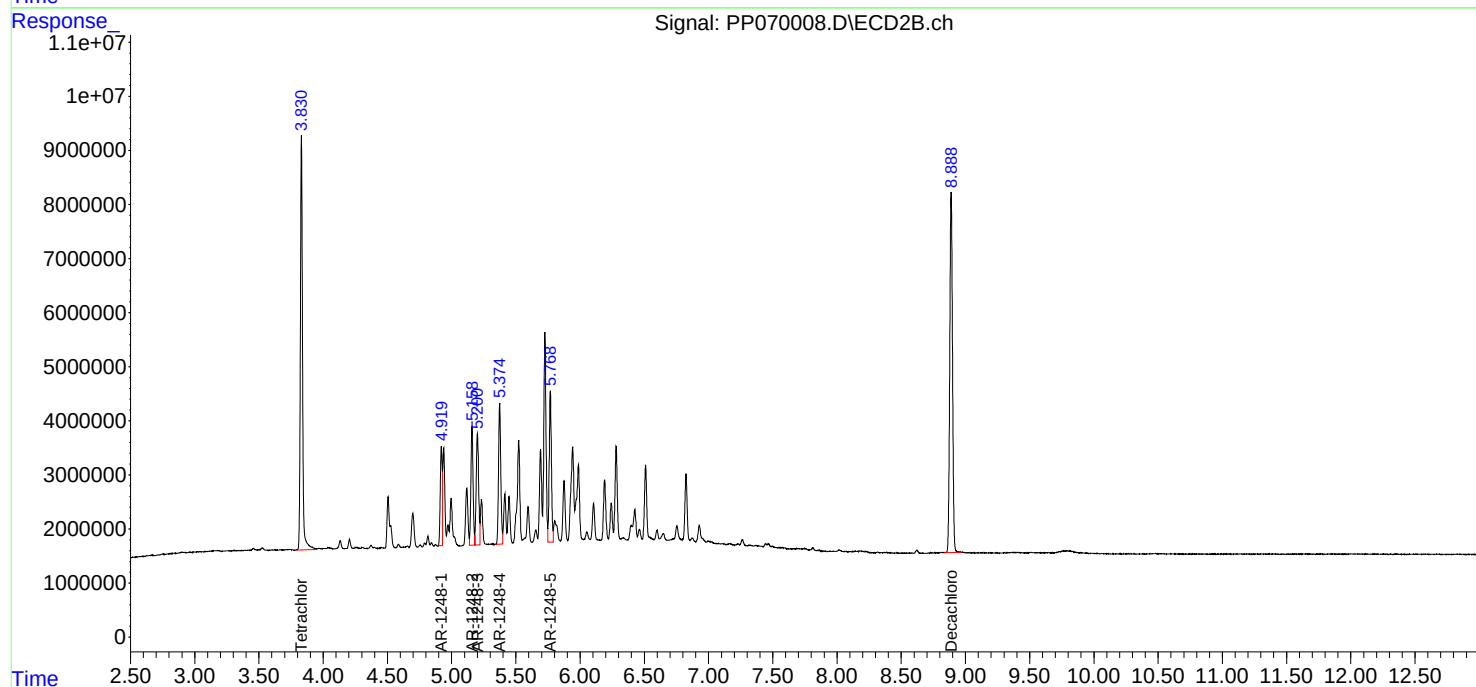
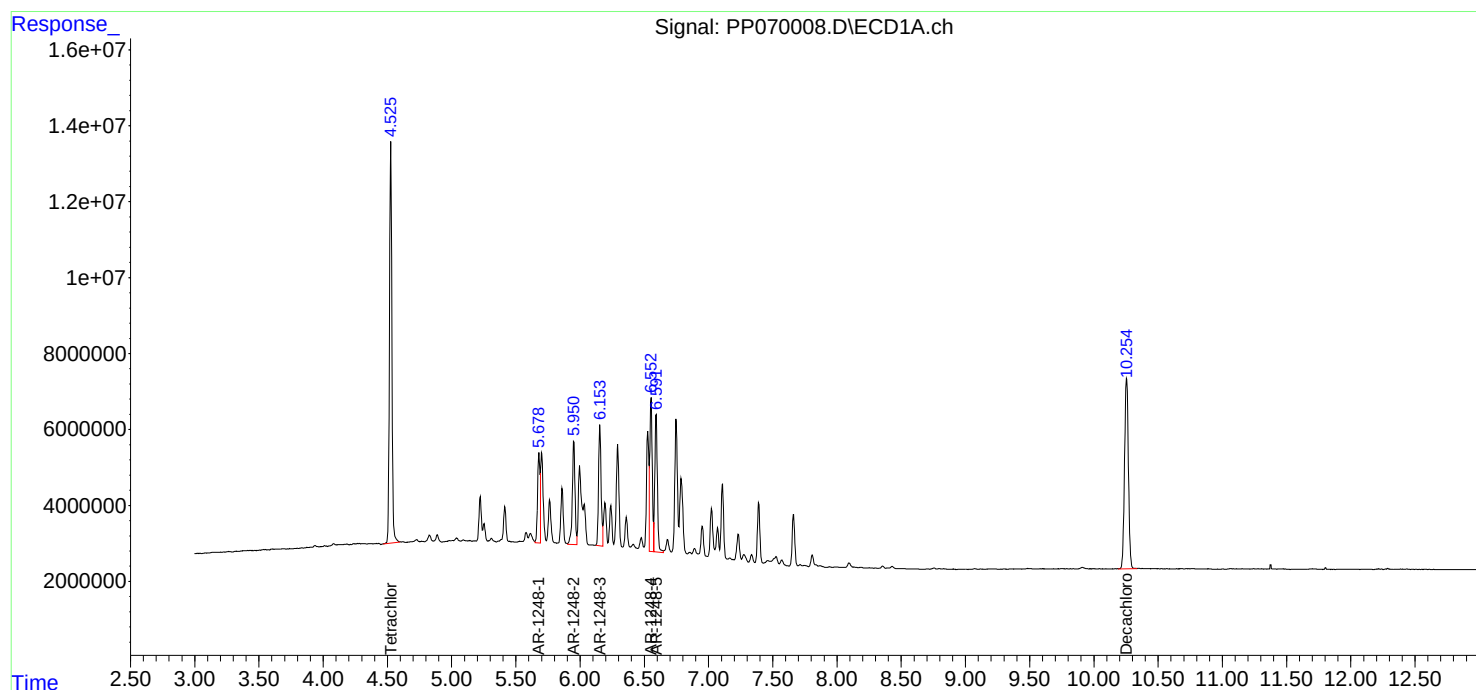
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

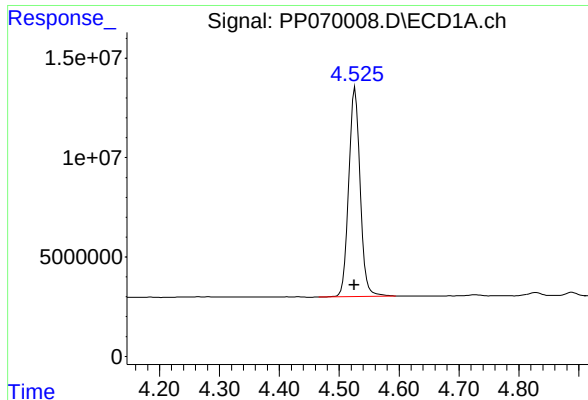
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:14
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:36:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

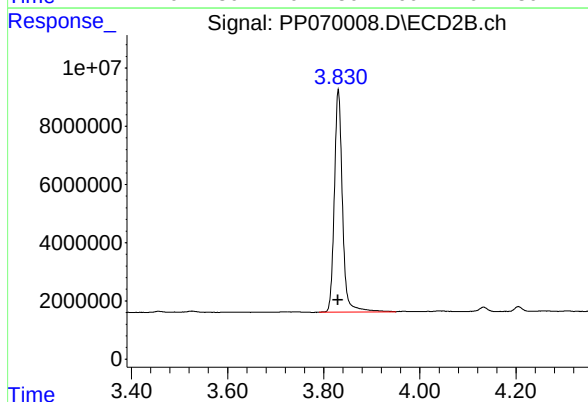




#1 Tetrachloro-m-xylene

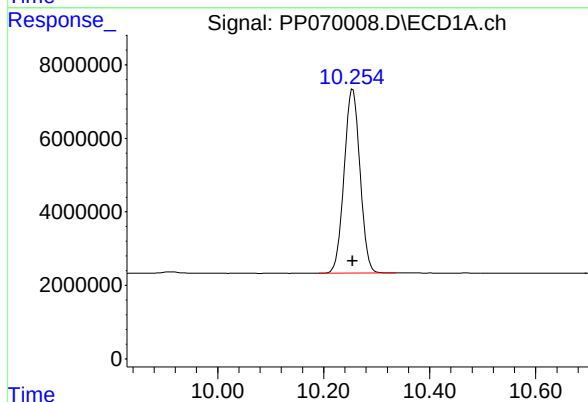
R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 139326624
Conc: 94.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



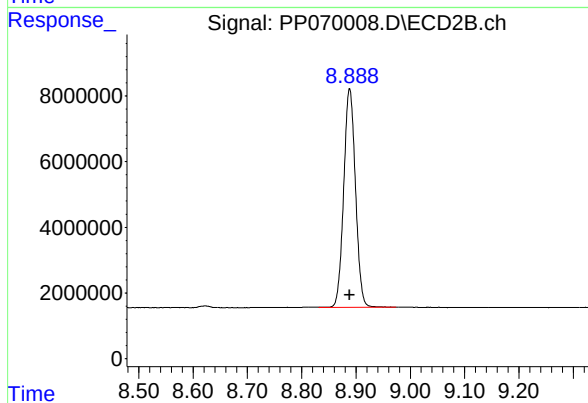
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 90311132
Conc: 94.33 ng/ml



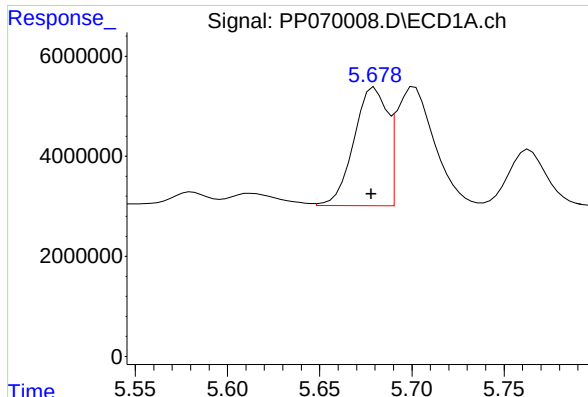
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 104472932
Conc: 93.28 ng/ml



#2 Decachlorobiphenyl

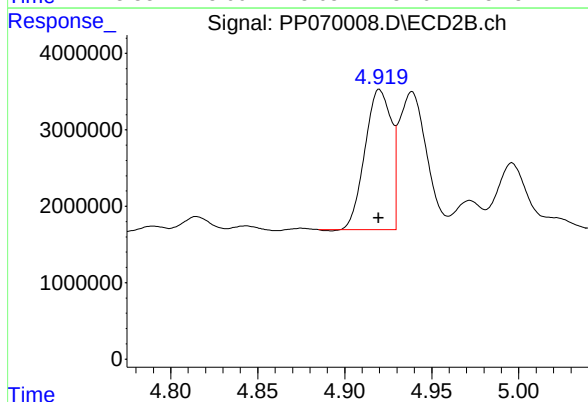
R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 99982653
Conc: 99.60 ng/ml



#21 AR-1248-1

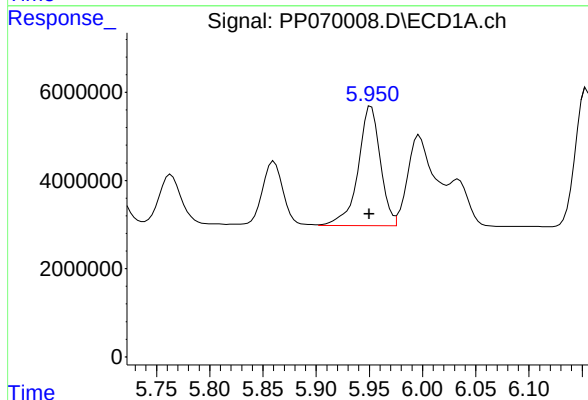
R.T.: 5.680 min
Delta R.T.: 0.002 min
Response: 29585124
Conc: 908.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



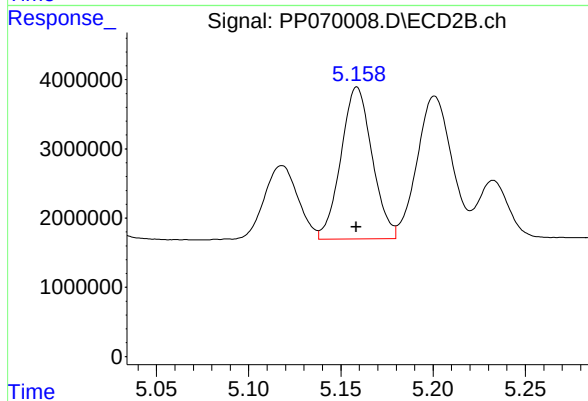
#21 AR-1248-1

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 19339318
Conc: 872.78 ng/ml



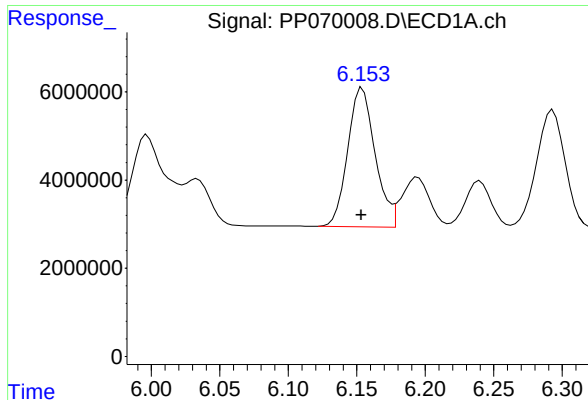
#22 AR-1248-2

R.T.: 5.952 min
Delta R.T.: 0.002 min
Response: 39473771
Conc: 920.90 ng/ml



#22 AR-1248-2

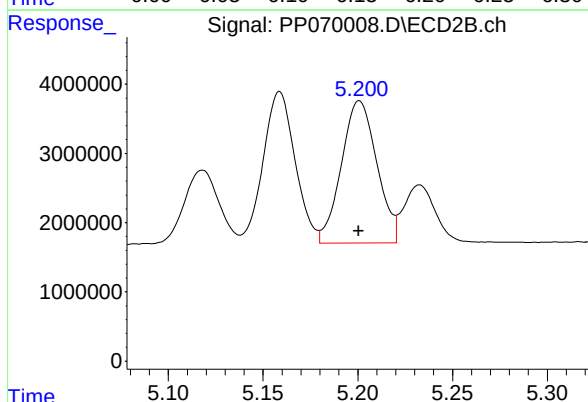
R.T.: 5.159 min
Delta R.T.: 0.000 min
Response: 25841628
Conc: 891.61 ng/ml



#23 AR-1248-3

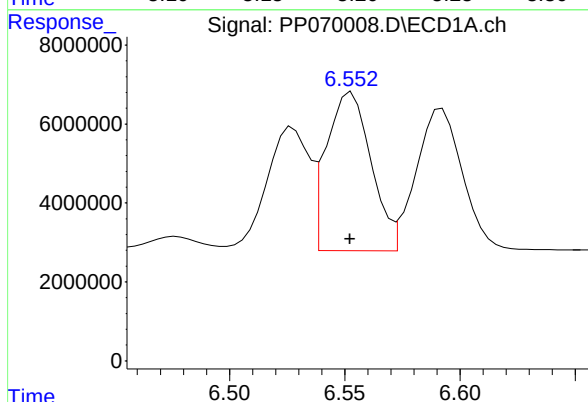
R.T.: 6.154 min
Delta R.T.: 0.000 min
Response: 43926772
Conc: 935.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



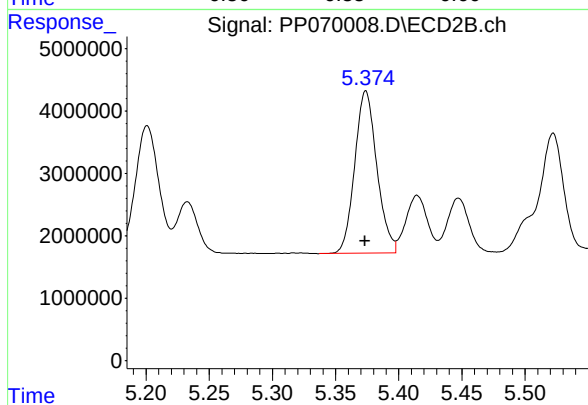
#23 AR-1248-3

R.T.: 5.201 min
Delta R.T.: 0.000 min
Response: 26866525
Conc: 892.93 ng/ml



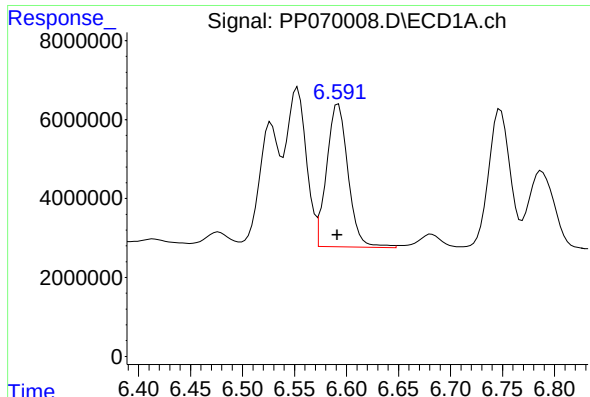
#24 AR-1248-4

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 53918087
Conc: 919.47 ng/ml



#24 AR-1248-4

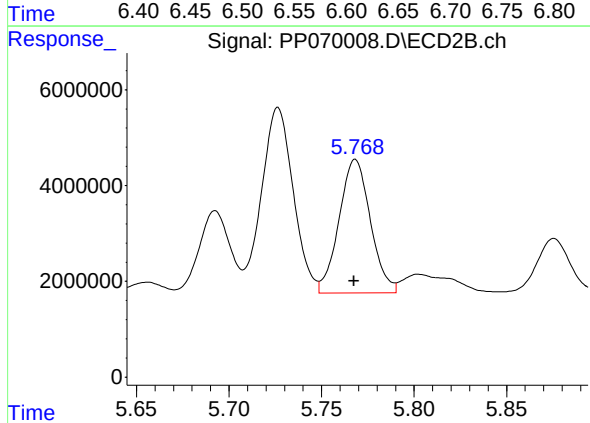
R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 31739244
Conc: 899.49 ng/ml



#25 AR-1248-5

R.T.: 6.592 min
Delta R.T.: 0.001 min
Response: 51833391
Conc: 911.04 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 32923317
Conc: 912.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:30
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:37:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.528	3.830	107.0E6	69847040	72.182	72.955
2) SA Decachlor...	10.257	8.888	80087667	75196210	71.508	74.906
Target Compounds						
21) L5 AR-1248-1	5.680	4.920	23574976	15234629	724.068	687.536
22) L5 AR-1248-2	5.953	5.158	31510312	20155741	735.118	695.435
23) L5 AR-1248-3	6.156	5.201	33128178	21018750	705.634	698.572
24) L5 AR-1248-4	6.555	5.373	41741933	24799421	711.828	702.815
25) L5 AR-1248-5	6.594	5.768	39689513	25642609	697.595	710.513

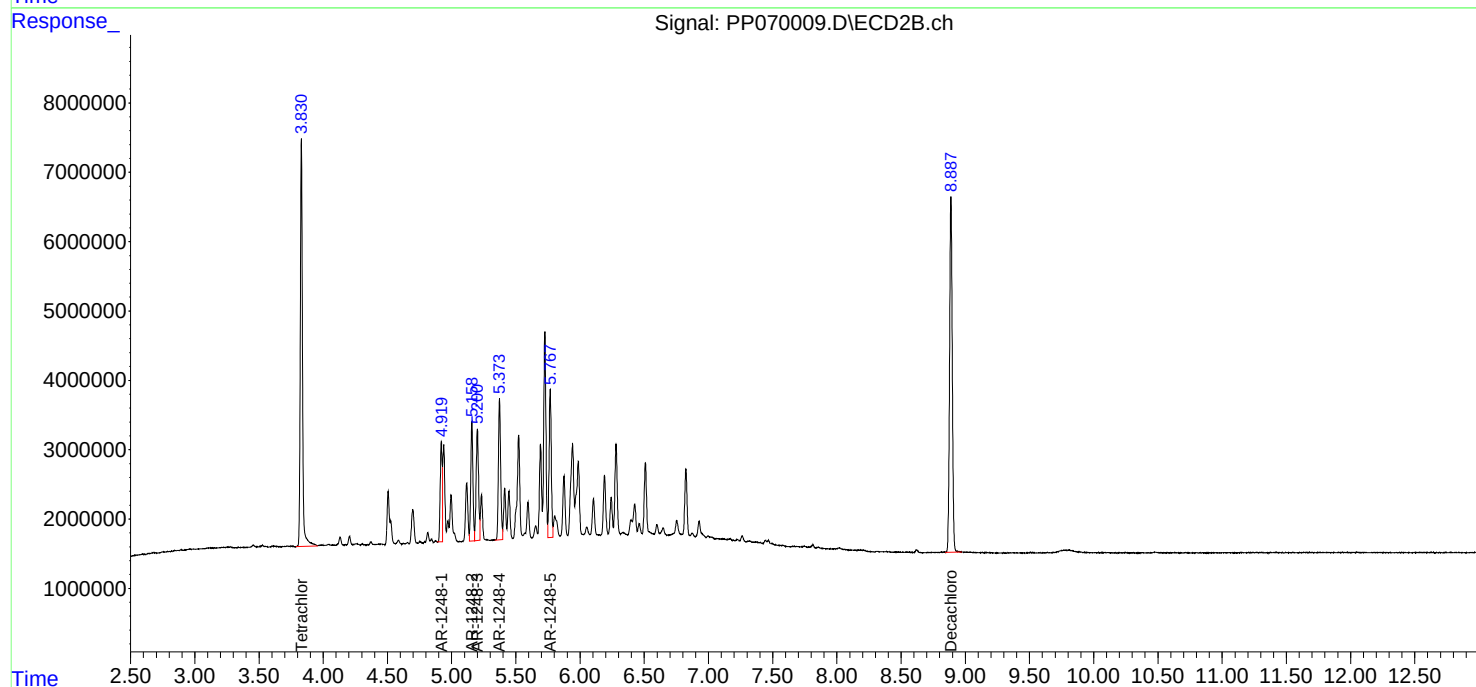
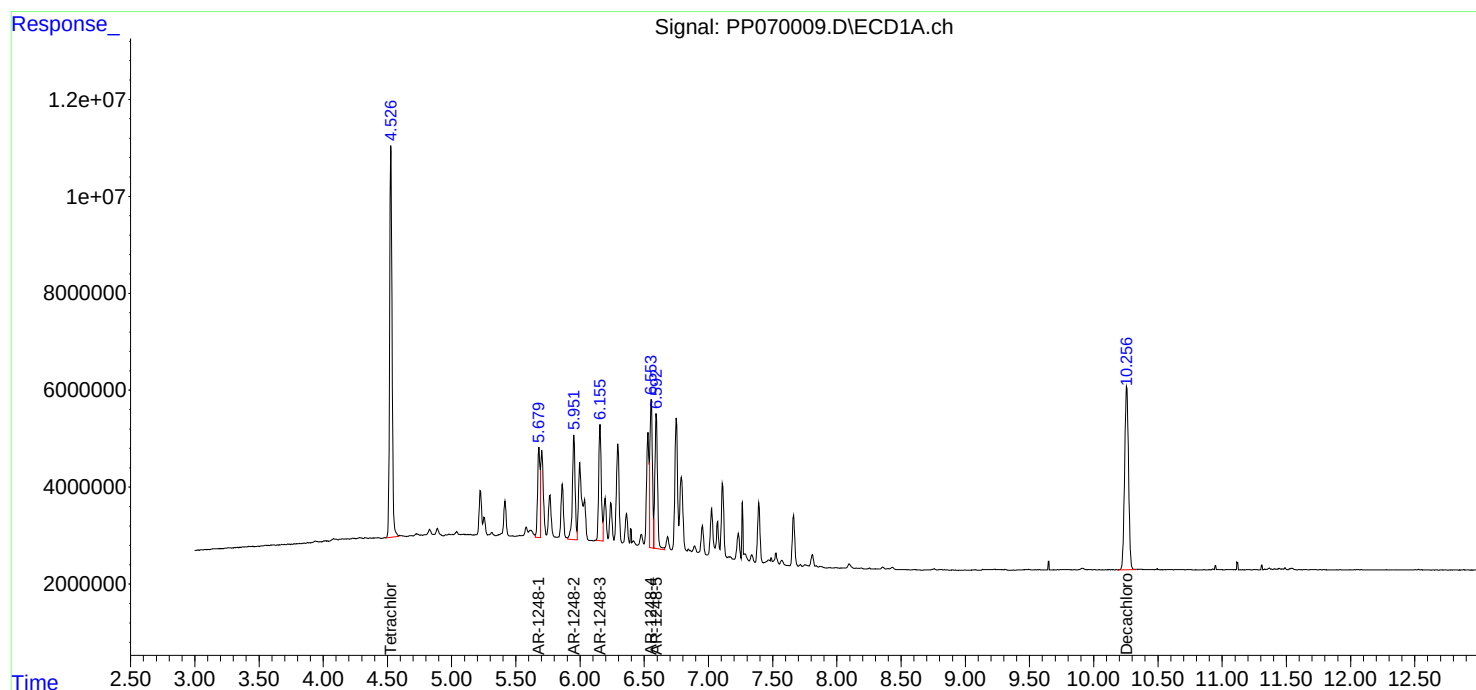
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

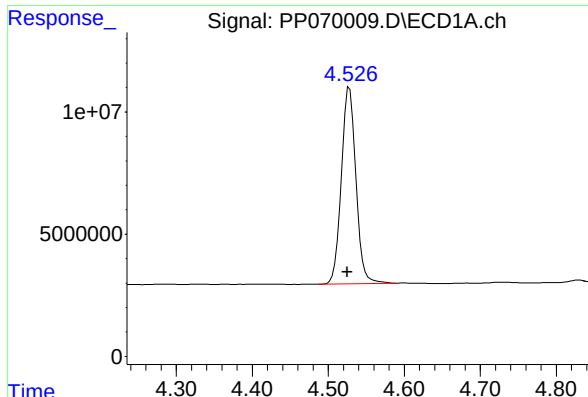
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:30
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:37:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

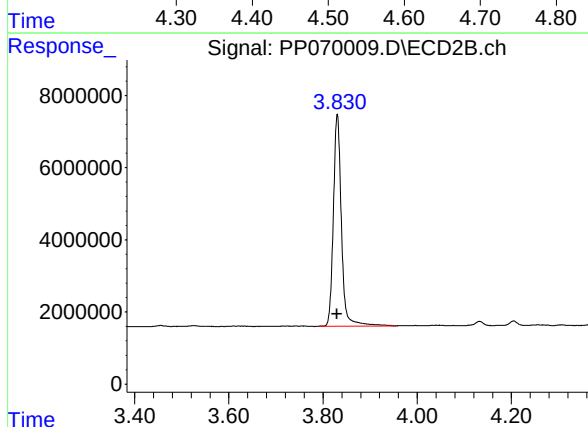




#1 Tetrachloro-m-xylene

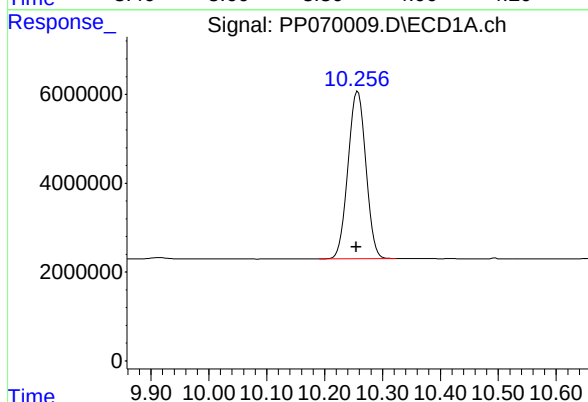
R.T.: 4.528 min
Delta R.T.: 0.003 min
Response: 106969913
Conc: 72.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



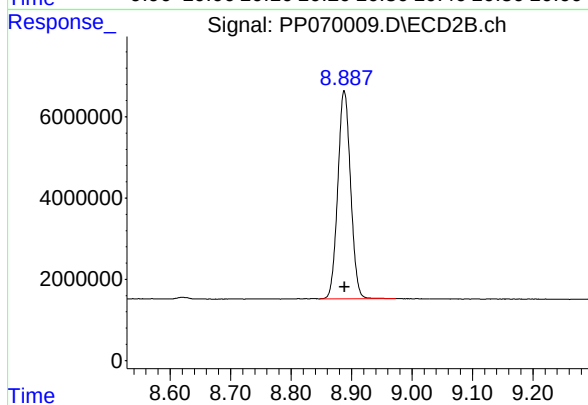
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 69847040
Conc: 72.95 ng/ml



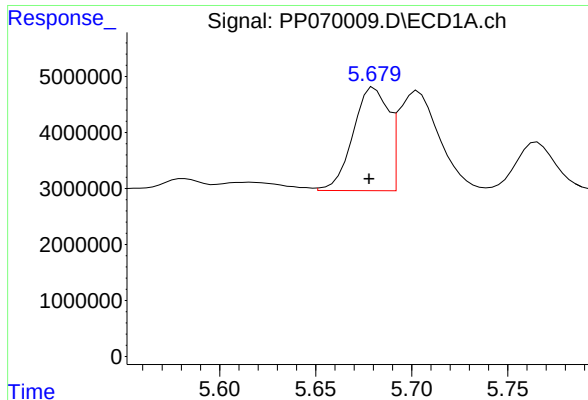
#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.003 min
Response: 80087667
Conc: 71.51 ng/ml



#2 Decachlorobiphenyl

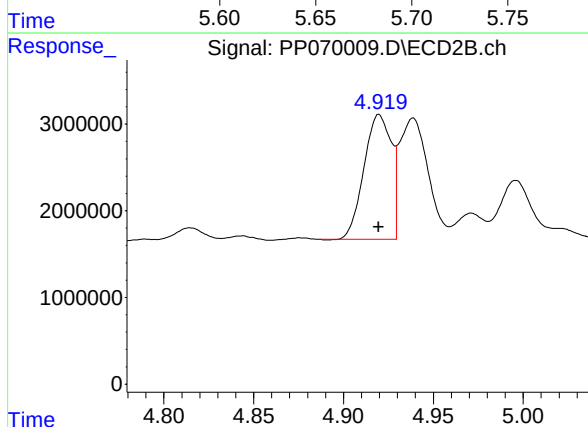
R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 75196210
Conc: 74.91 ng/ml



#21 AR-1248-1

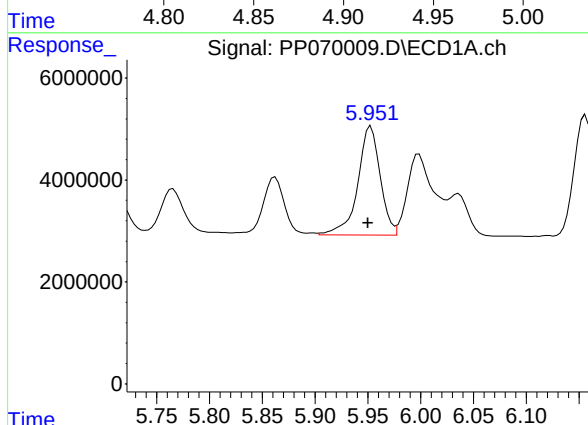
R.T.: 5.680 min
Delta R.T.: 0.002 min
Response: 23574976
Conc: 724.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



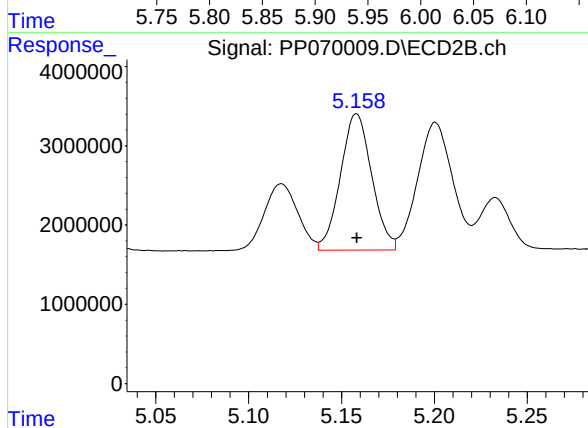
#21 AR-1248-1

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 15234629
Conc: 687.54 ng/ml



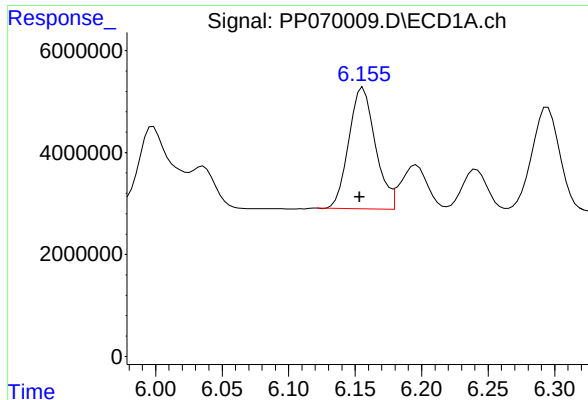
#22 AR-1248-2

R.T.: 5.953 min
Delta R.T.: 0.003 min
Response: 31510312
Conc: 735.12 ng/ml



#22 AR-1248-2

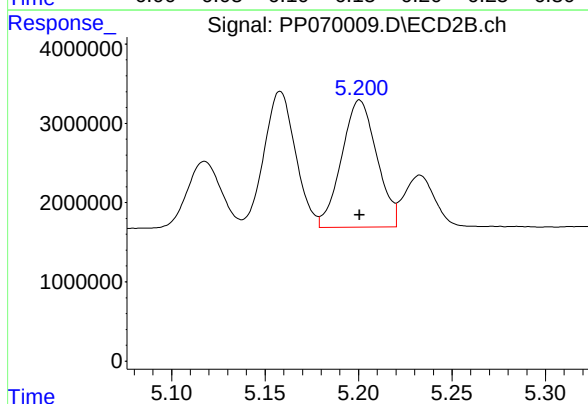
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 20155741
Conc: 695.43 ng/ml



#23 AR-1248-3

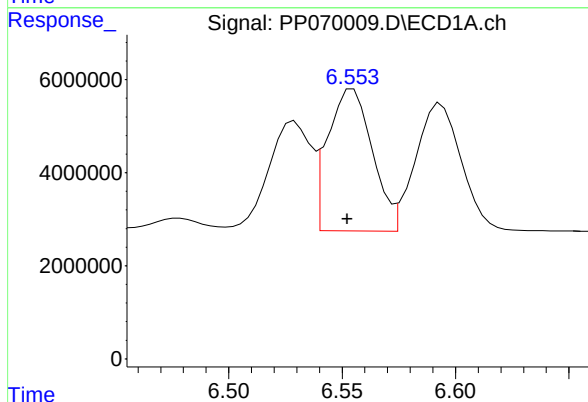
R.T.: 6.156 min
Delta R.T.: 0.003 min
Response: 33128178
Conc: 705.63 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



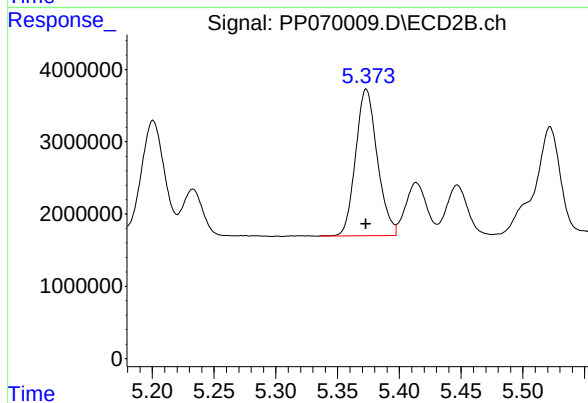
#23 AR-1248-3

R.T.: 5.201 min
Delta R.T.: 0.000 min
Response: 21018750
Conc: 698.57 ng/ml



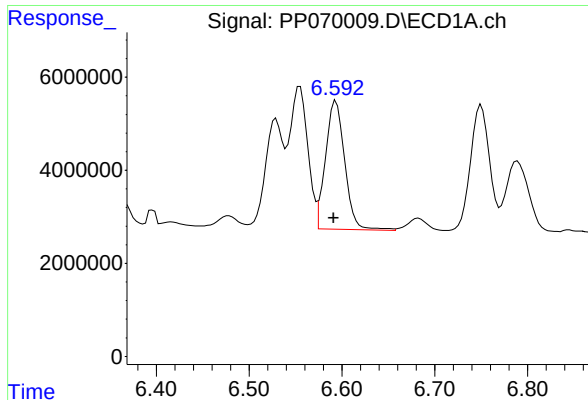
#24 AR-1248-4

R.T.: 6.555 min
Delta R.T.: 0.002 min
Response: 41741933
Conc: 711.83 ng/ml



#24 AR-1248-4

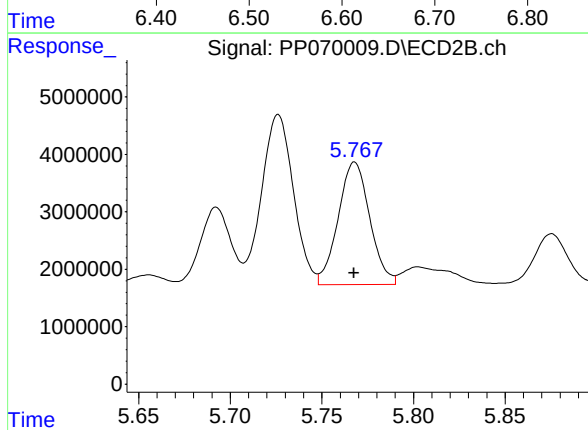
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 24799421
Conc: 702.82 ng/ml



#25 AR-1248-5

R.T.: 6.594 min
Delta R.T.: 0.003 min
Response: 39689513
Conc: 697.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 25642609
Conc: 710.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:46
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:37:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.525	3.830	74097252	47870255	50.000	50.000
2) SA Decachlor...	10.255	8.889	55999113	50193760	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.678	4.920	16279538	11079155	500.000	500.000
22) L5 AR-1248-2	5.950	5.158	21432138	14491473	500.000	500.000
23) L5 AR-1248-3	6.153	5.201	23474053	15044082	500.000	500.000
24) L5 AR-1248-4	6.552	5.373	29320253	17642911	500.000	500.000
25) L5 AR-1248-5	6.591	5.768	28447402	18045144	500.000	500.000

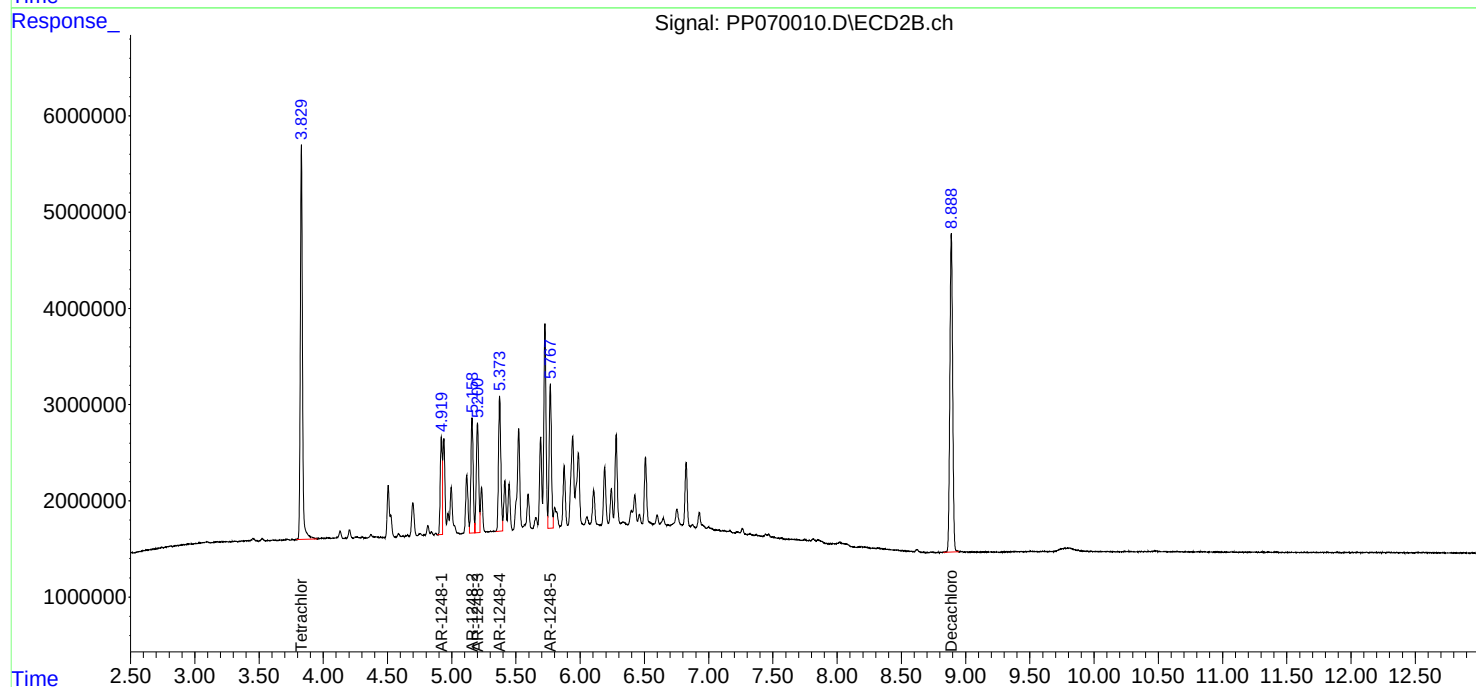
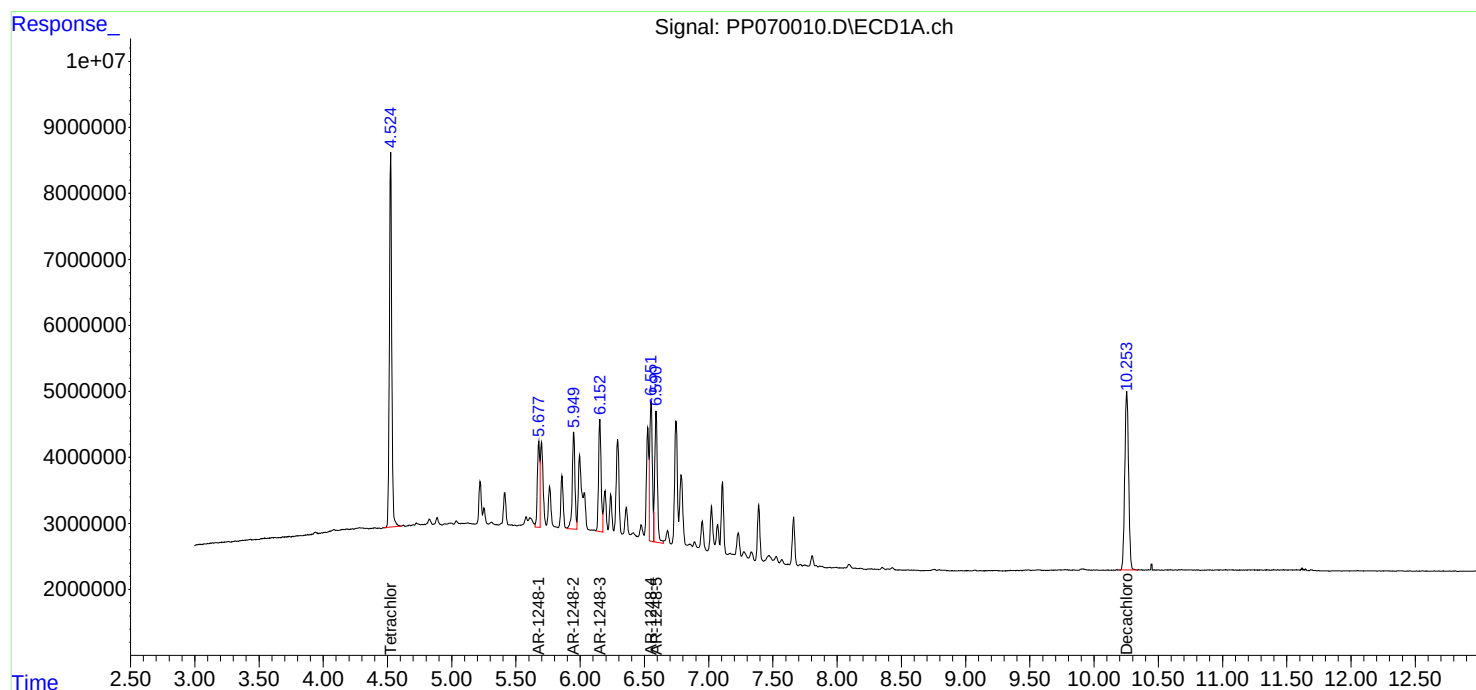
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

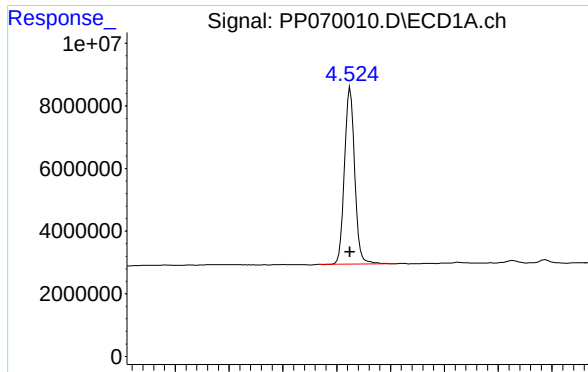
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 18:46
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:37:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

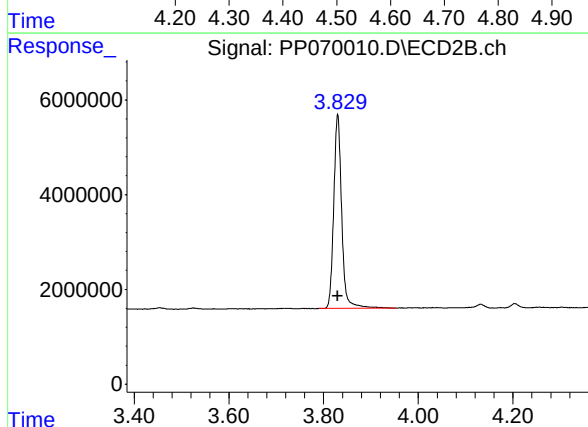




#1 Tetrachloro-m-xylene

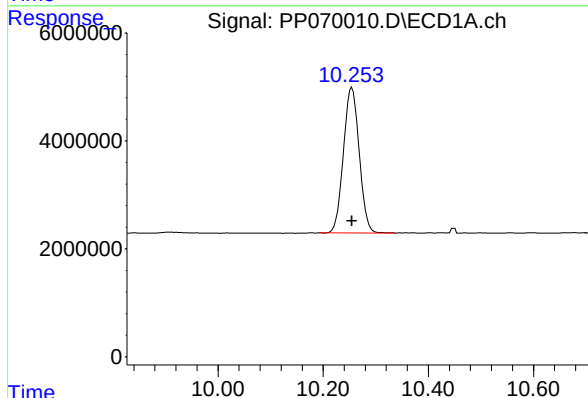
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 74097252
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



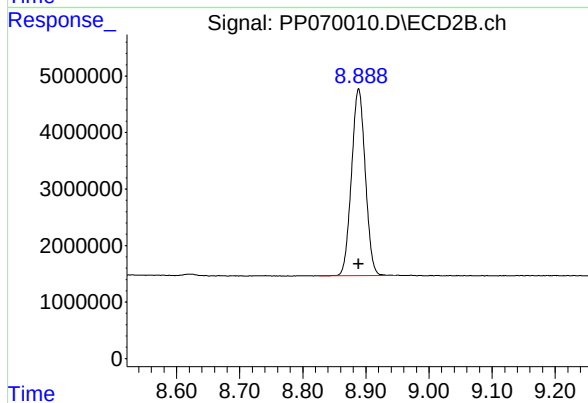
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 47870255
Conc: 50.00 ng/ml



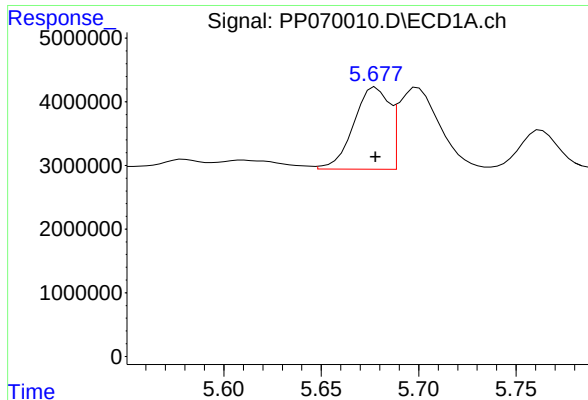
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 55999113
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

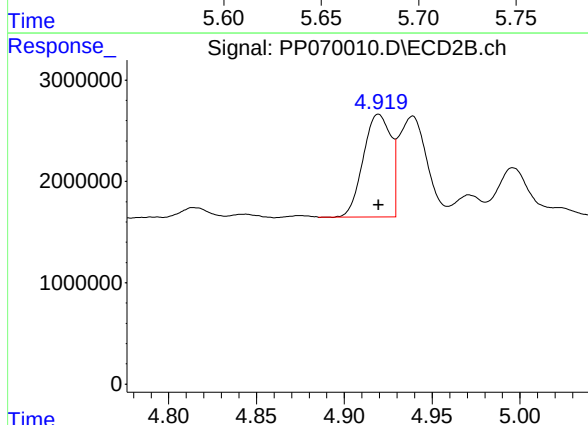
R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 50193760
Conc: 50.00 ng/ml



#21 AR-1248-1

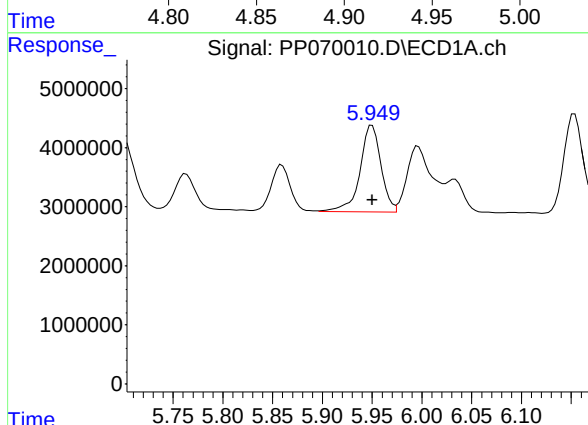
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 16279538
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



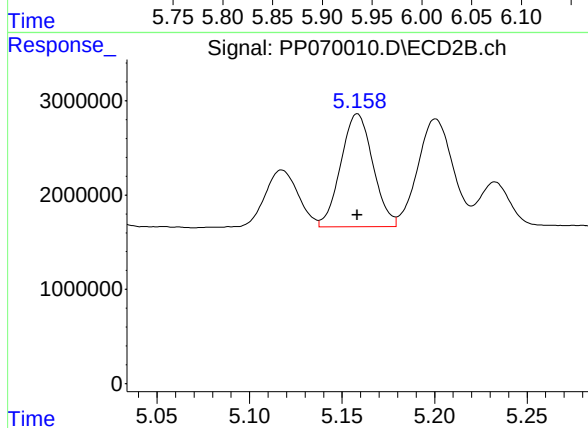
#21 AR-1248-1

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 11079155
Conc: 500.00 ng/ml



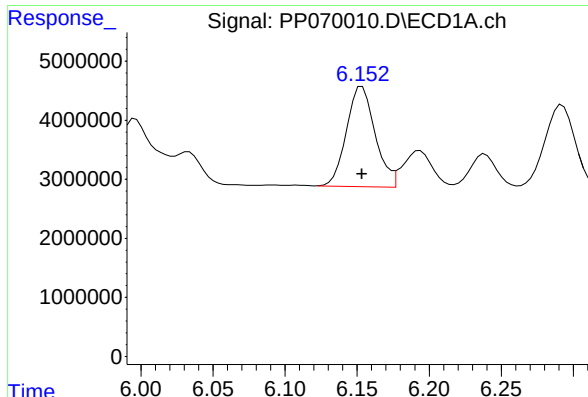
#22 AR-1248-2

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 21432138
Conc: 500.00 ng/ml



#22 AR-1248-2

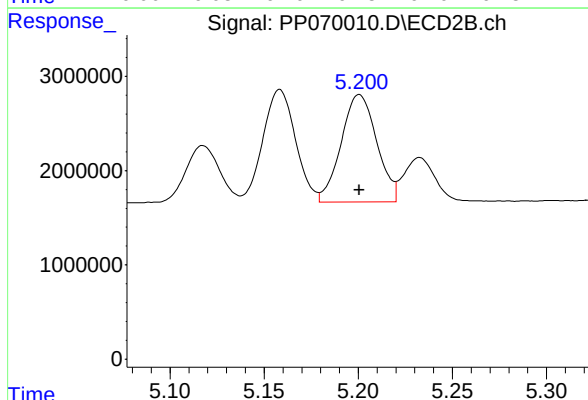
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 14491473
Conc: 500.00 ng/ml



#23 AR-1248-3

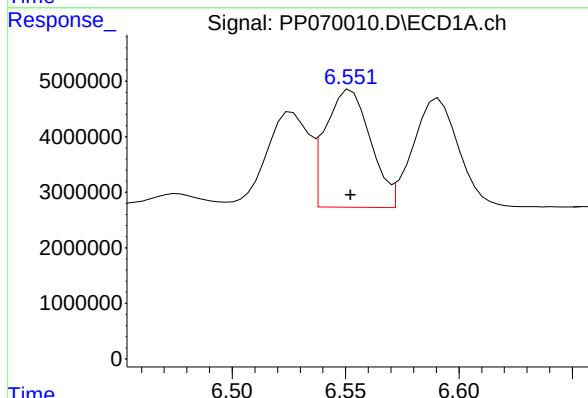
R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 23474053
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



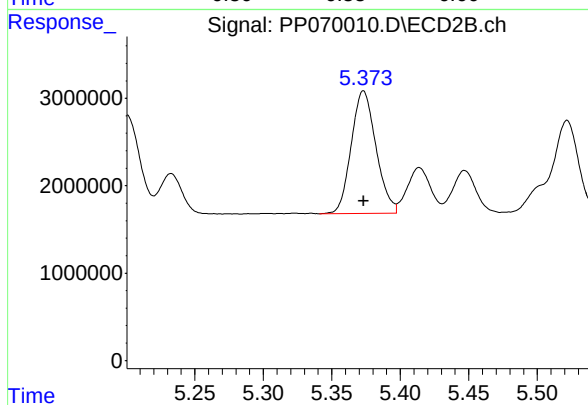
#23 AR-1248-3

R.T.: 5.201 min
Delta R.T.: 0.000 min
Response: 15044082
Conc: 500.00 ng/ml



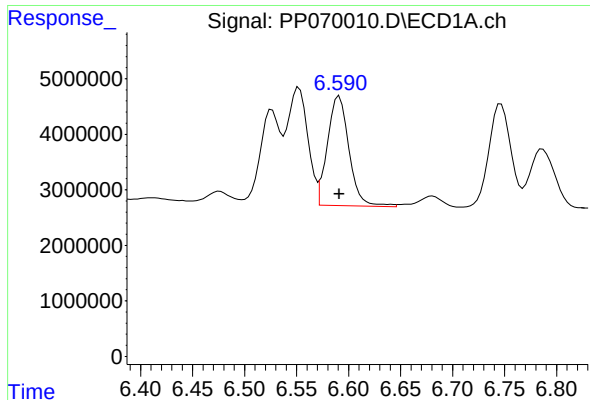
#24 AR-1248-4

R.T.: 6.552 min
Delta R.T.: 0.000 min
Response: 29320253
Conc: 500.00 ng/ml



#24 AR-1248-4

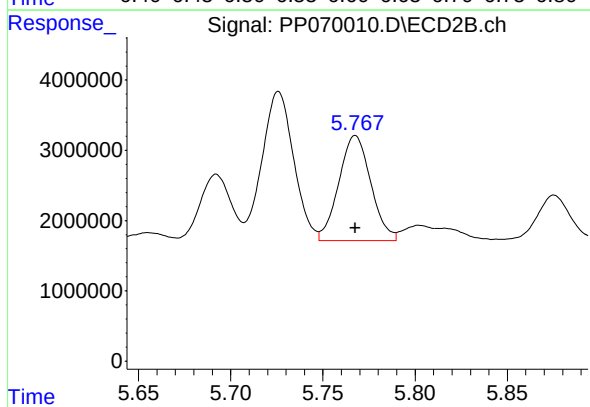
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 17642911
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 6.591 min
Delta R.T.: 0.000 min
Response: 28447402
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 18045144
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:03
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 03:54:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 03:54:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.830	38195955	24656458	27.360	25.558
2) SA Decachlor...	10.256	8.888	29657279	26374027	27.566	24.318
Target Compounds						
21) L5 AR-1248-1	5.679	4.919	9076374	5649023	274.099	259.128
22) L5 AR-1248-2	5.952	5.158	11739728	7746160	285.240	269.144
23) L5 AR-1248-3	6.154	5.200	12501018	8202675	284.893	268.606
24) L5 AR-1248-4	6.553	5.373	16576083	9202118	278.734	248.325
25) L5 AR-1248-5	6.592	5.767	16890807	9572836	297.336	253.802

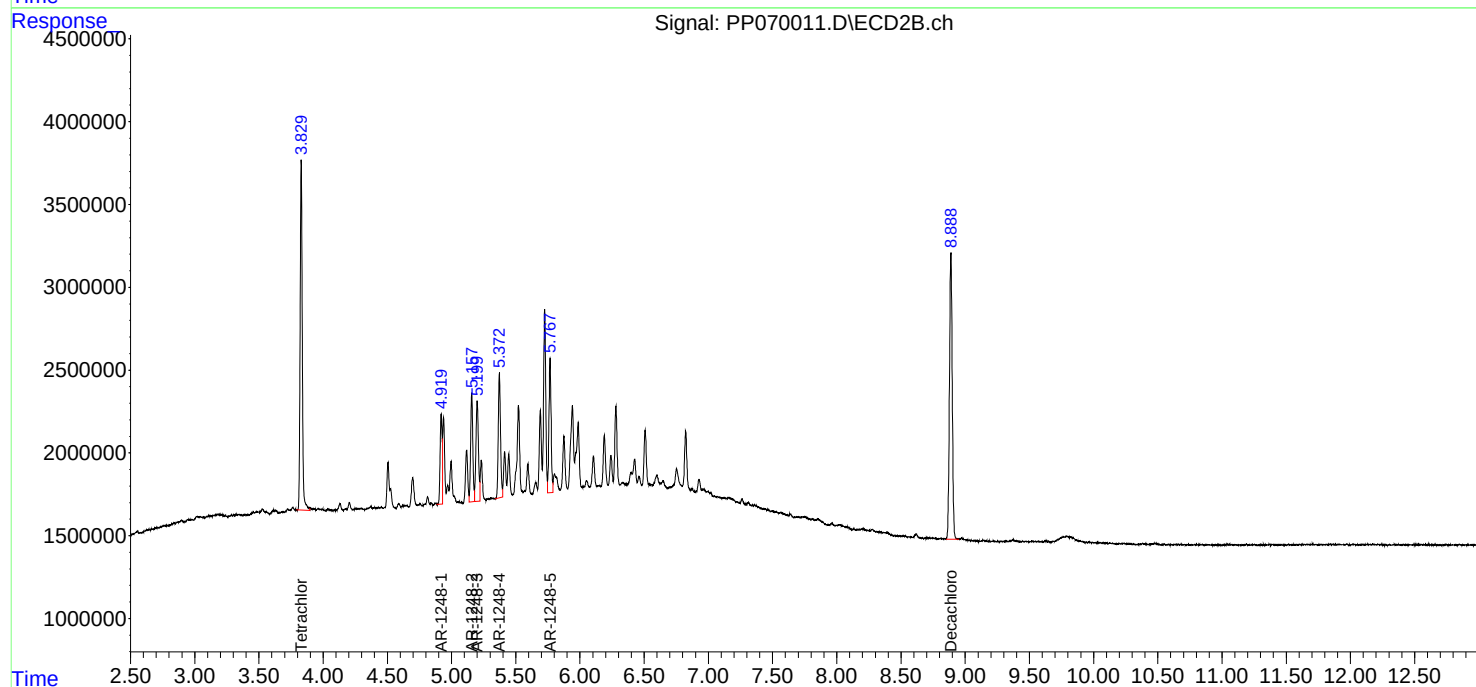
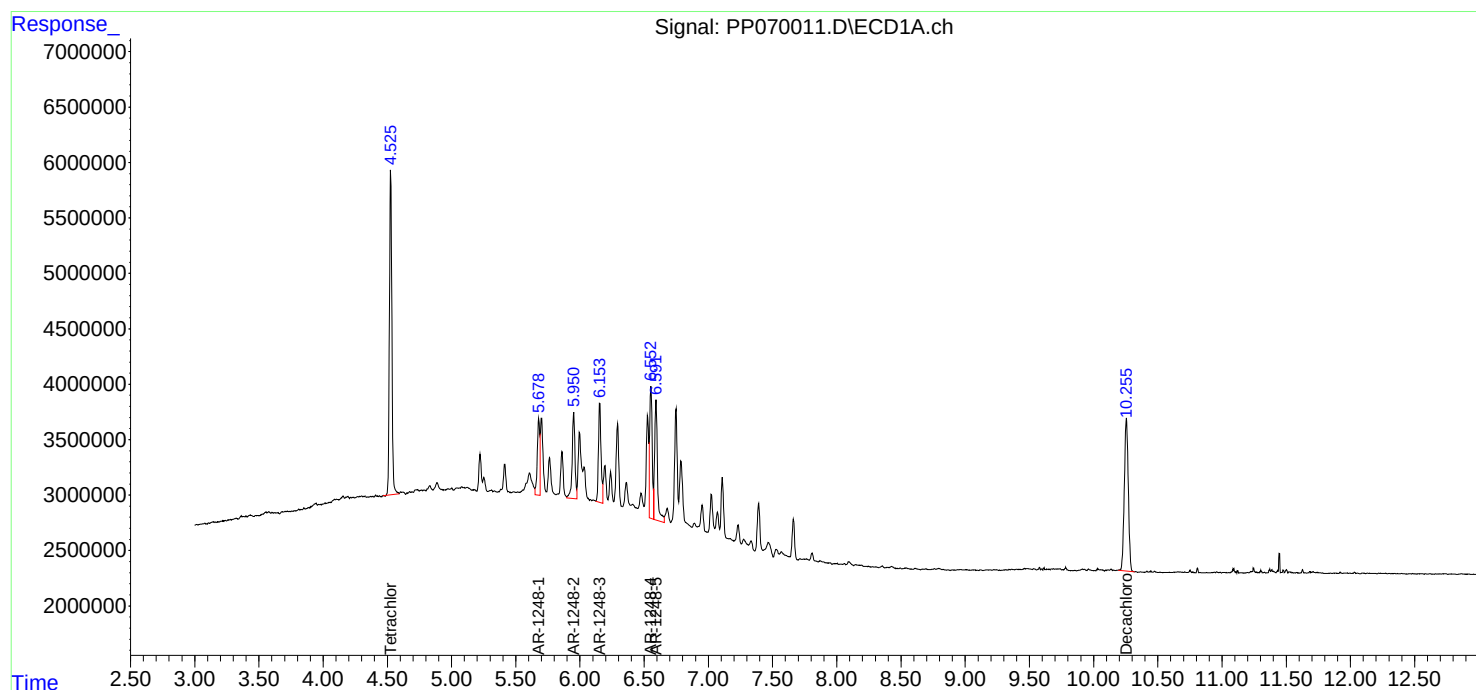
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

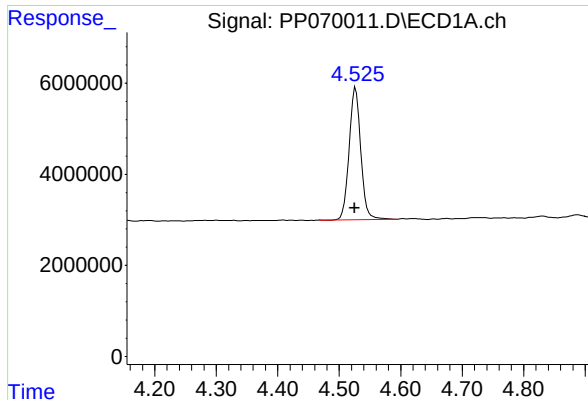
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:03
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 03:54:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 03:54:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

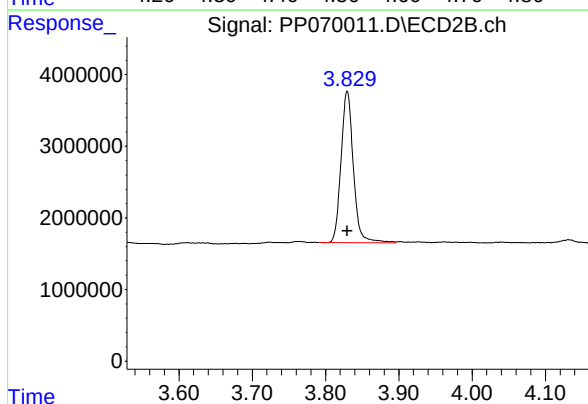




#1 Tetrachloro-m-xylene

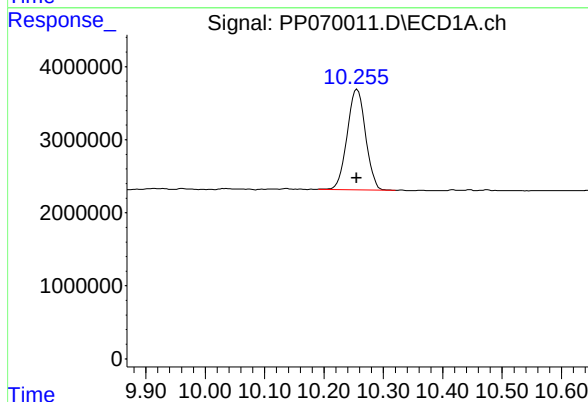
R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 38195955
Conc: 27.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



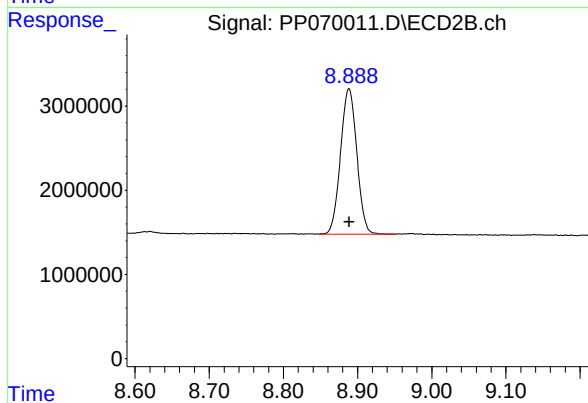
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 24656458
Conc: 25.56 ng/ml



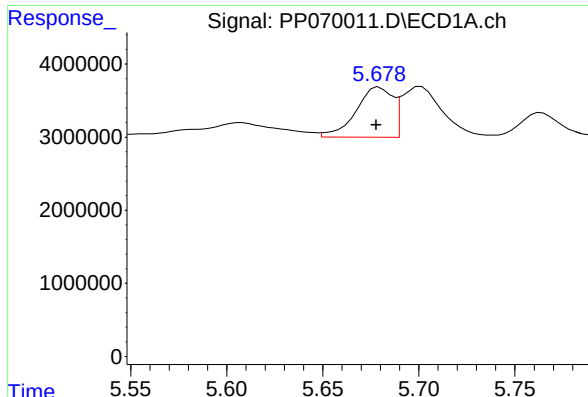
#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: 0.001 min
Response: 29657279
Conc: 27.57 ng/ml



#2 Decachlorobiphenyl

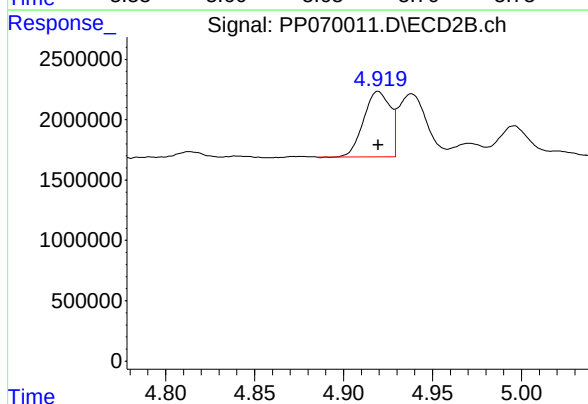
R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 26374027
Conc: 24.32 ng/ml



#21 AR-1248-1

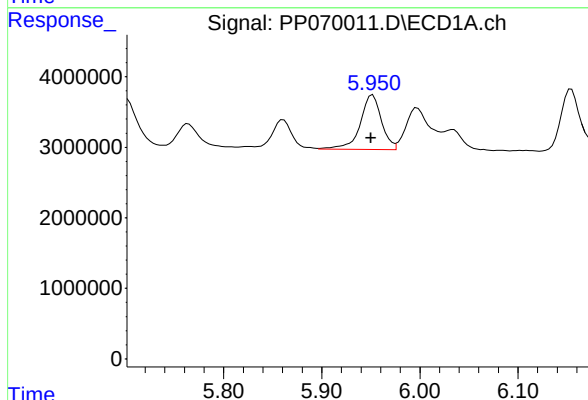
R.T.: 5.679 min
Delta R.T.: 0.001 min
Response: 9076374
Conc: 274.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



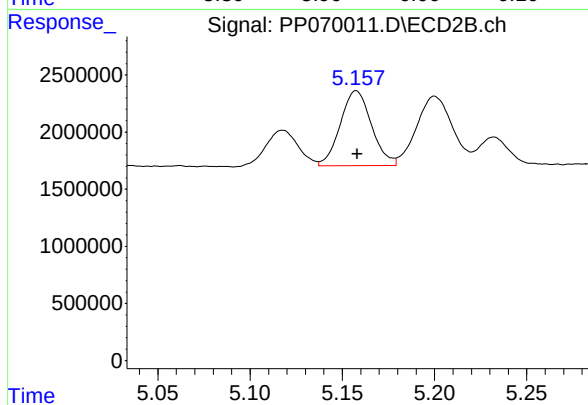
#21 AR-1248-1

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 5649023
Conc: 259.13 ng/ml



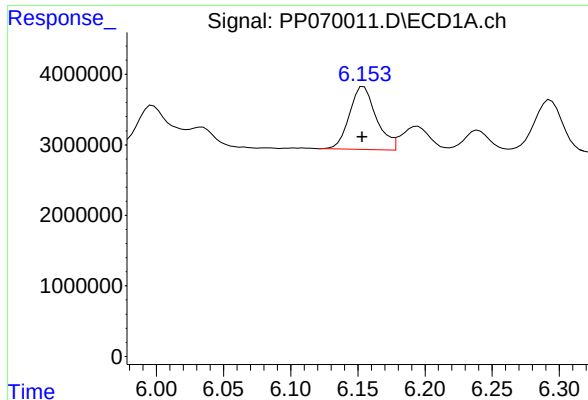
#22 AR-1248-2

R.T.: 5.952 min
Delta R.T.: 0.002 min
Response: 11739728
Conc: 285.24 ng/ml



#22 AR-1248-2

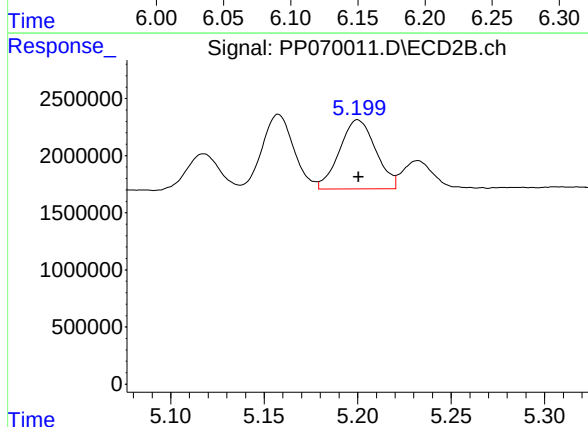
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 7746160
Conc: 269.14 ng/ml



#23 AR-1248-3

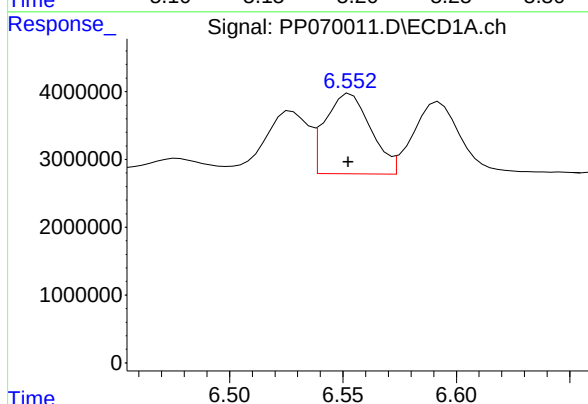
R.T.: 6.154 min
Delta R.T.: 0.000 min
Response: 12501018
Conc: 284.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



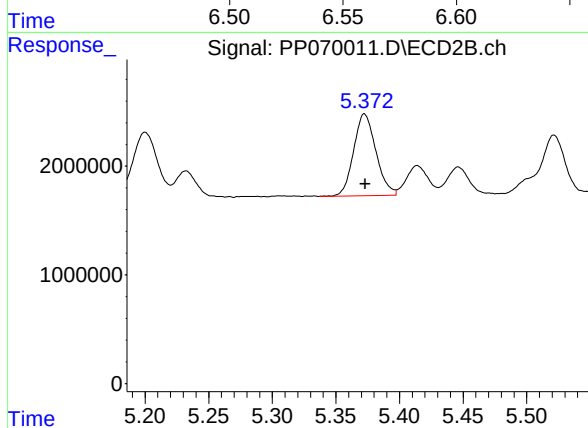
#23 AR-1248-3

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 8202675
Conc: 268.61 ng/ml



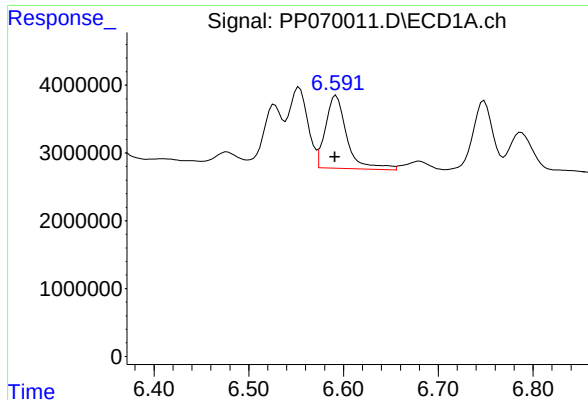
#24 AR-1248-4

R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 16576083
Conc: 278.73 ng/ml



#24 AR-1248-4

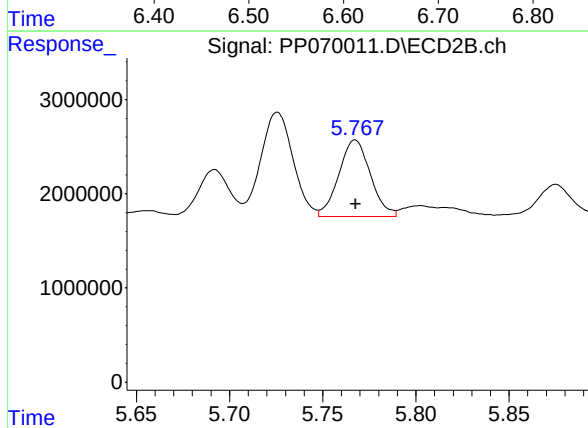
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 9202118
Conc: 248.33 ng/ml



#25 AR-1248-5

R.T.: 6.592 min
Delta R.T.: 0.001 min
Response: 16890807
Conc: 297.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC250



#25 AR-1248-5

R.T.: 5.767 min
Delta R.T.: 0.000 min
Response: 9572836
Conc: 253.80 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 19:19
 Operator : YP\AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1248ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 03:52:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 02:46:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.523	3.830	6550878	4860377	4.420	5.077
2) SA Decachlor...	10.252	8.889	5158743	5826306	4.606	5.804 #
Target Compounds						
21) L5 AR-1248-1	5.675	4.919	1683389	1072097	51.703m	48.384
22) L5 AR-1248-2	5.946	5.158	1972518	1428930	46.018m	49.302
23) L5 AR-1248-3	6.149	5.201	2040568	1549382	43.464m	51.495
24) L5 AR-1248-4	6.548	5.373	3014885	1941377	51.413m	55.019
25) L5 AR-1248-5	6.588	5.768	2835972	1967262	49.846m	54.509

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:19
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

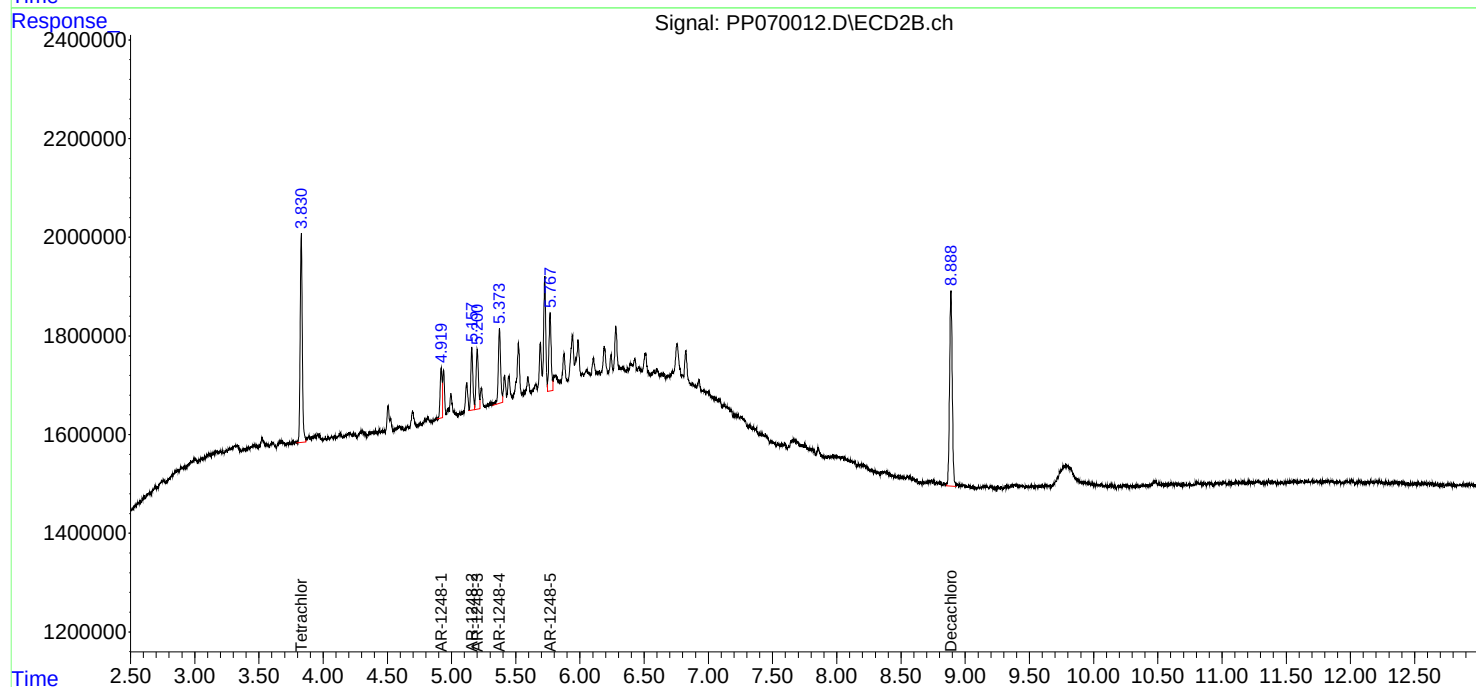
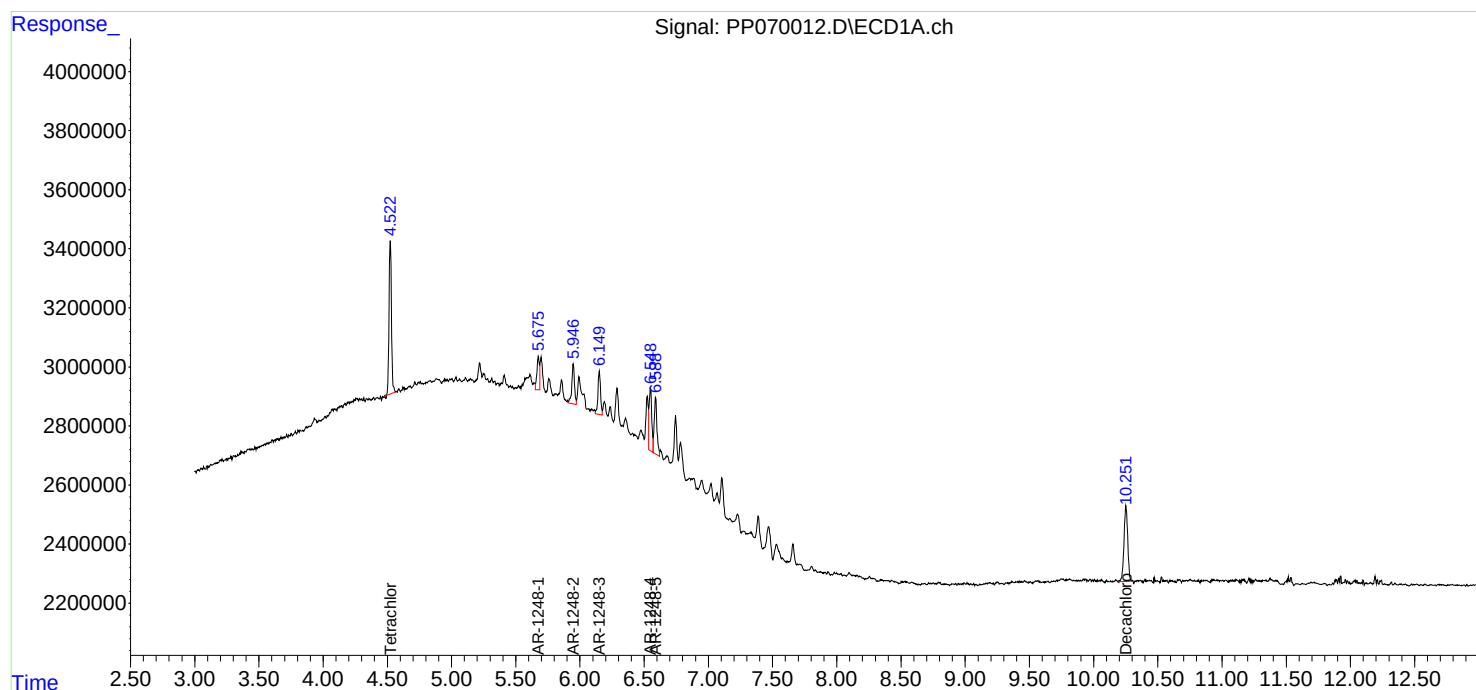
Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

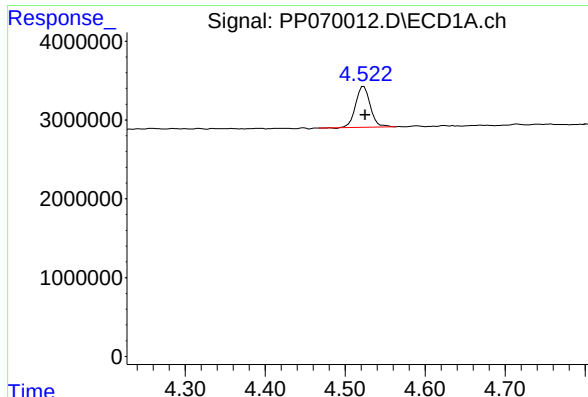
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 03:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 02:46:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





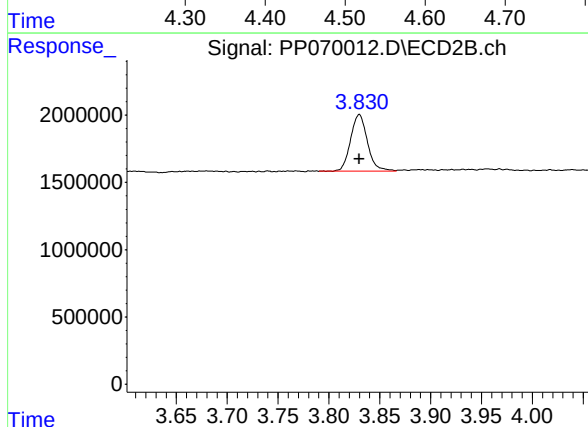
#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 6550878
Conc: 4.42 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

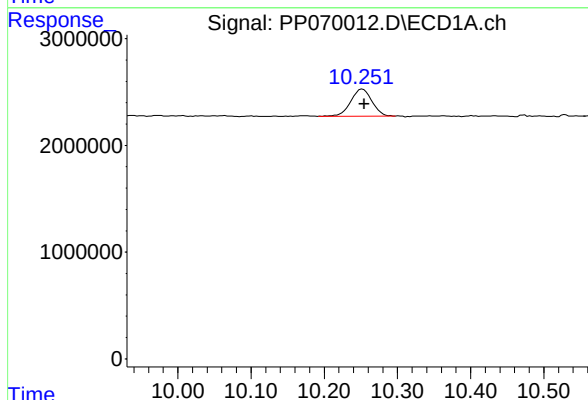
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



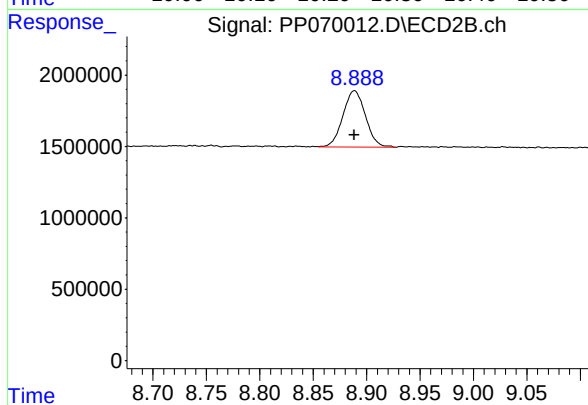
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 4860377
Conc: 5.08 ng/ml



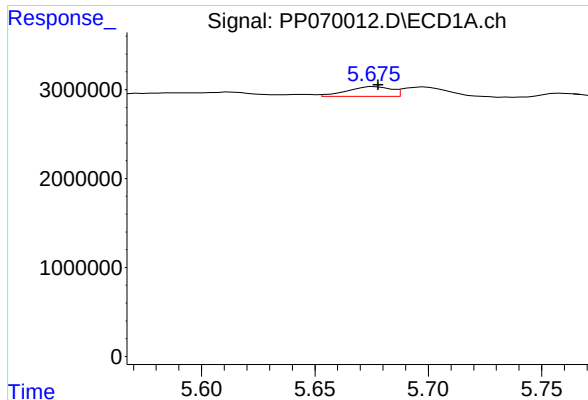
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.003 min
Response: 5158743
Conc: 4.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 5826306
Conc: 5.80 ng/ml



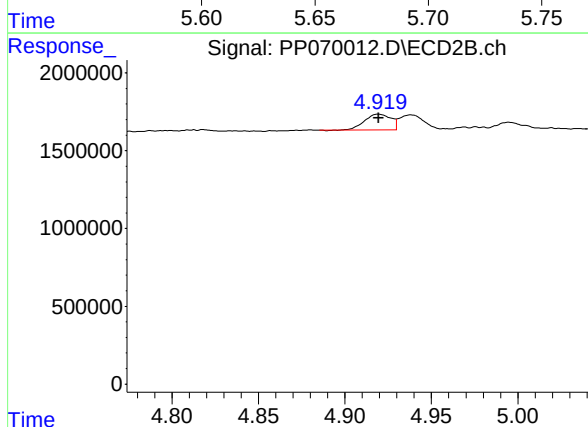
#21 AR-1248-1

R.T.: 5.675 min
Delta R.T.: -0.003 min
Response: 1683389
Conc: 51.70 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

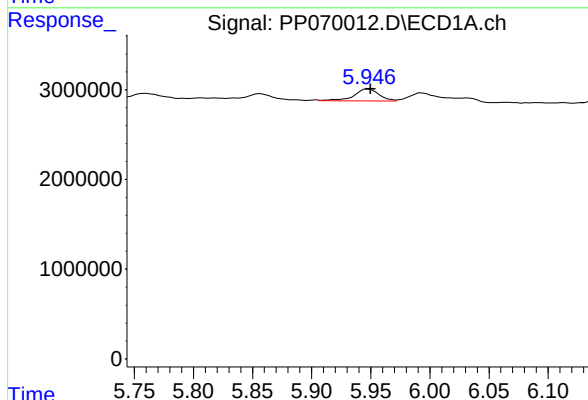
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



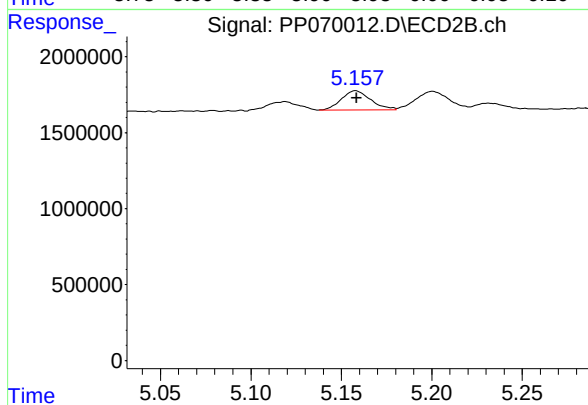
#21 AR-1248-1

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 1072097
Conc: 48.38 ng/ml



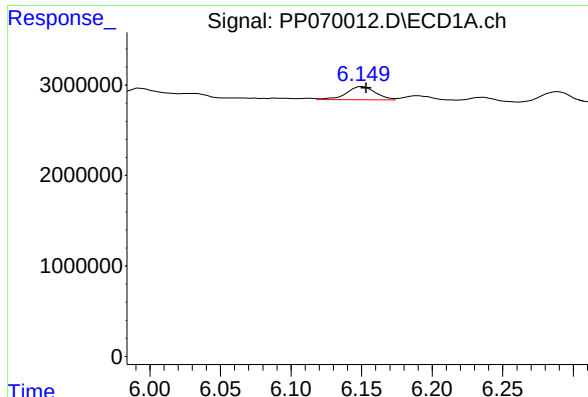
#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.004 min
Response: 1972518
Conc: 46.02 ng/ml m



#22 AR-1248-2

R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 1428930
Conc: 49.30 ng/ml



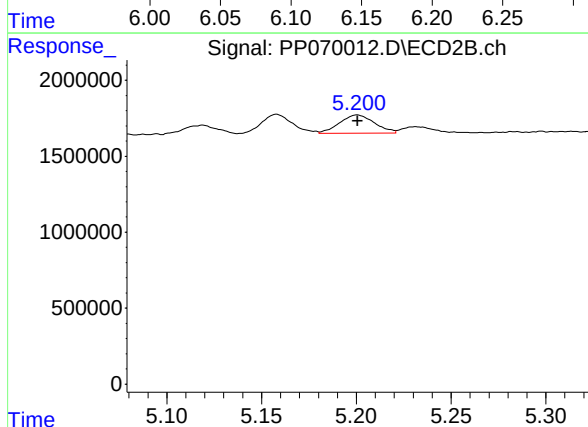
#23 AR-1248-3

R.T.: 6.149 min
Delta R.T.: -0.004 min
Response: 2040568
Conc: 43.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

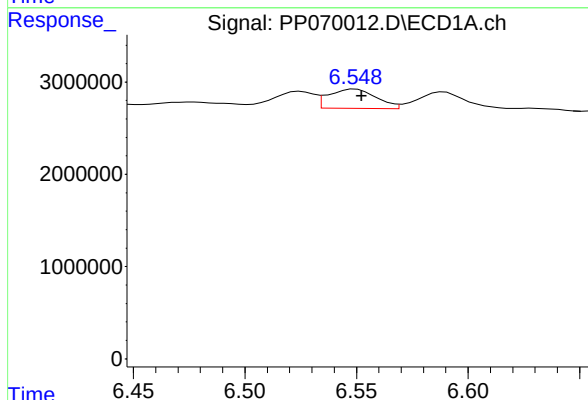
Manual Integrations
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Supervised By :Ankita Jodhani 02/25/2025



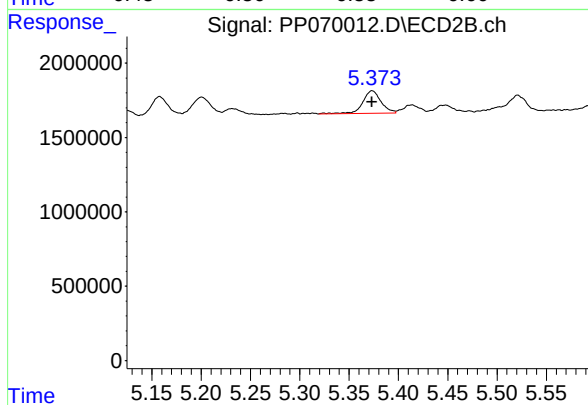
#23 AR-1248-3

R.T.: 5.201 min
Delta R.T.: 0.000 min
Response: 1549382
Conc: 51.49 ng/ml



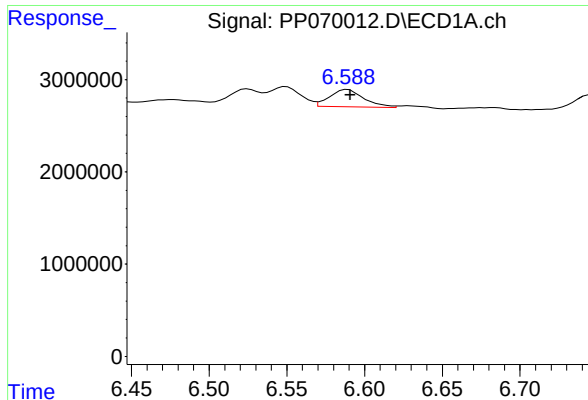
#24 AR-1248-4

R.T.: 6.548 min
Delta R.T.: -0.004 min
Response: 3014885
Conc: 51.41 ng/ml m



#24 AR-1248-4

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 1941377
Conc: 55.02 ng/ml



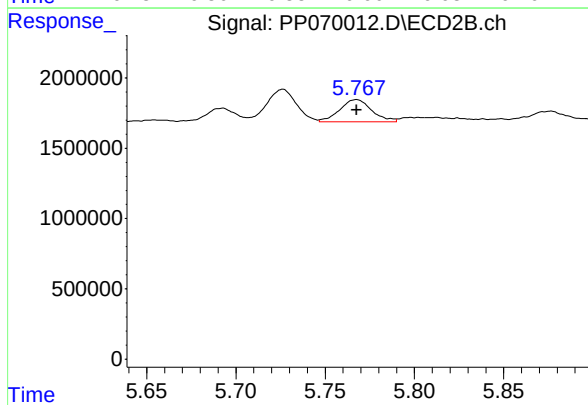
#25 AR-1248-5

R.T.: 6.588 min
Delta R.T.: -0.003 min
Response: 2835972
Conc: 49.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1248ICC050

Manual Integrations
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Supervised By :Ankita Jodhani 02/25/2025



#25 AR-1248-5

R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 1967262
Conc: 54.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 19:35
 Operator : YP\AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC1000

Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 04:01:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 04:00:45 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.830	144.4E6	95717624	92.833	96.535
2) SA Decachlor...	10.257	8.888	107.6E6	96312460	88.033	84.075
Target Compounds						
26) L6 AR-1254-1	6.529	5.726	51156577	50279933	843.859m	901.842
27) L6 AR-1254-2	6.747	5.875	78872042	44271421	906.723	892.959
28) L6 AR-1254-3	7.110	6.280	79973406	70979950	912.505	899.833
29) L6 AR-1254-4	7.392	6.508	66856800	50771725	910.193	935.892
30) L6 AR-1254-5	7.809	6.927	65315189	64408865	938.155	885.994

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:35
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1254ICC1000

Manual Integrations

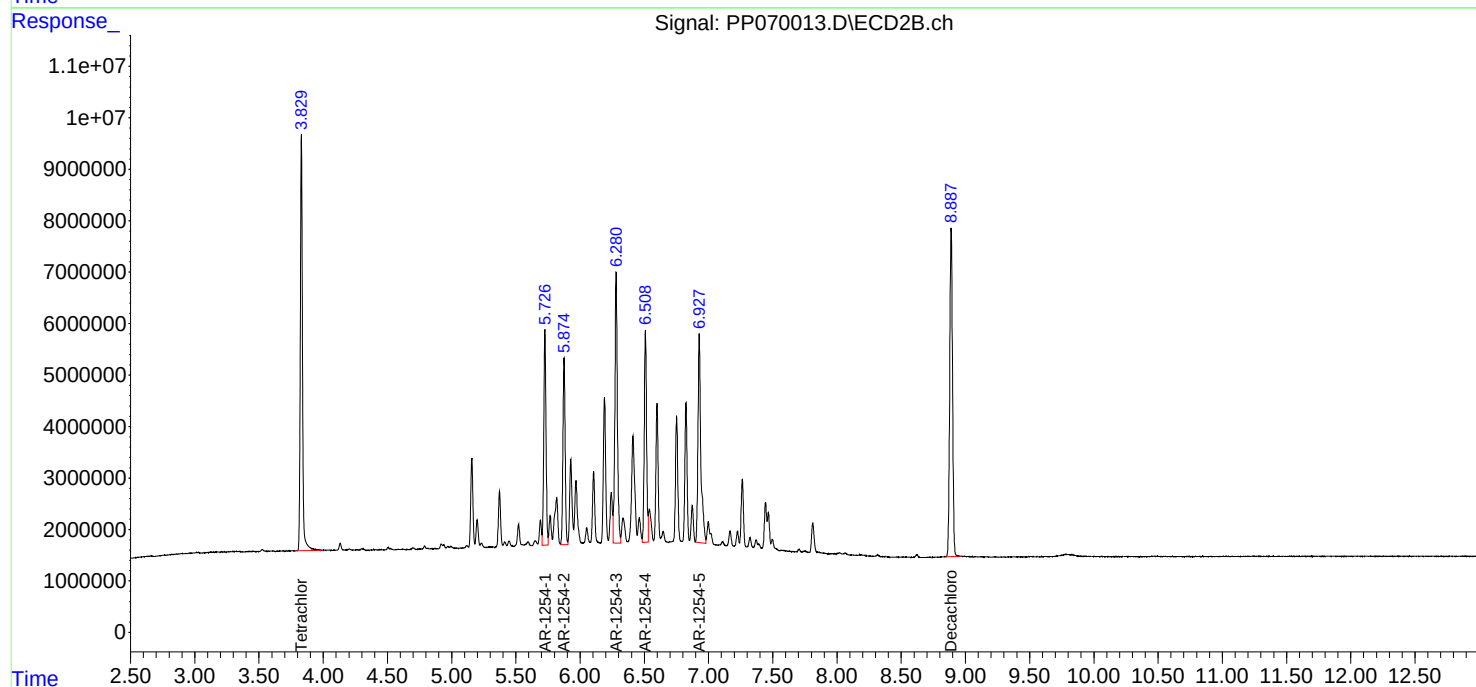
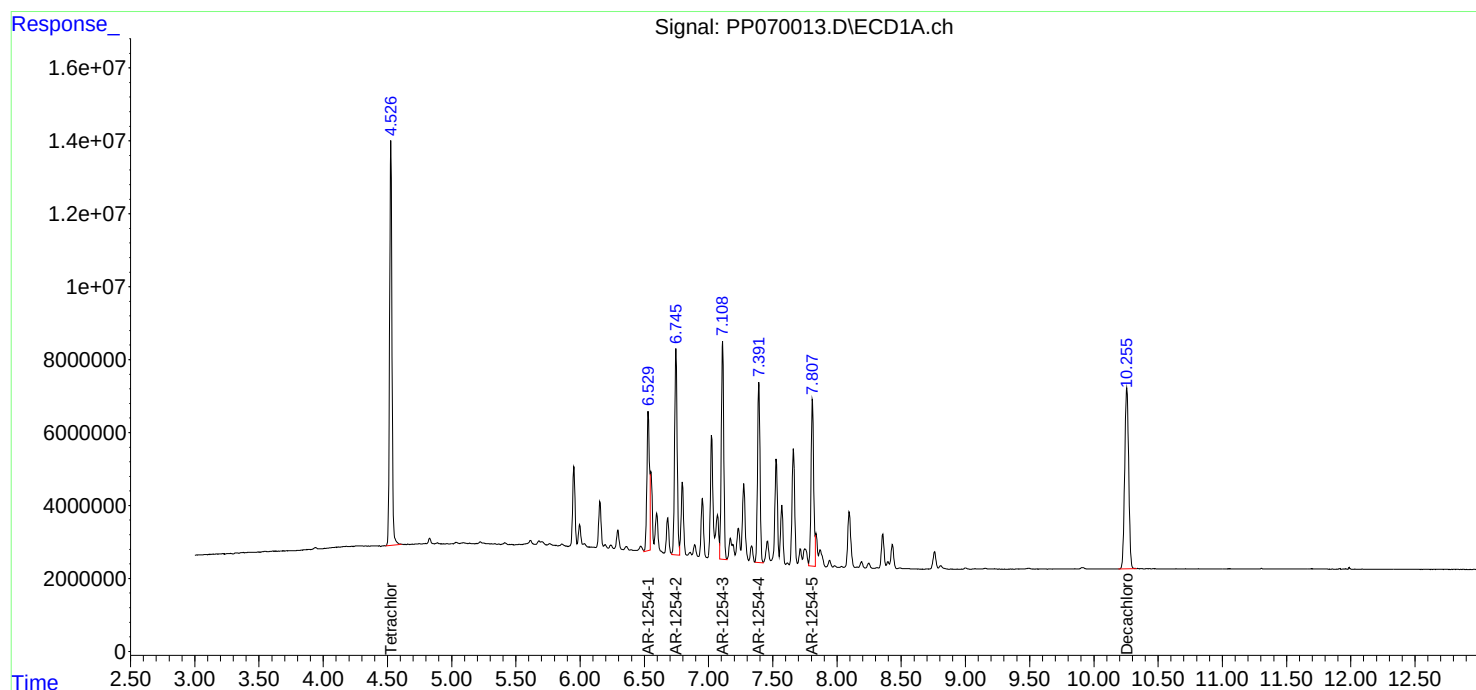
APPROVED

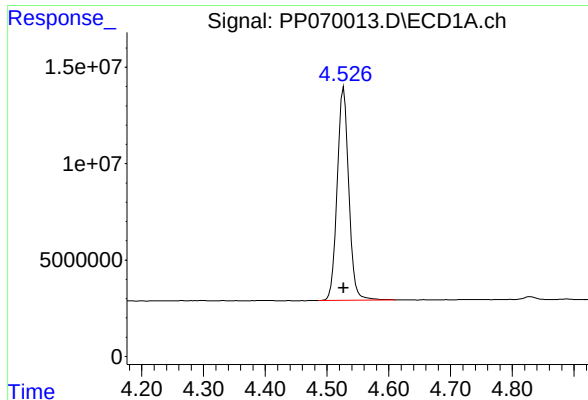
Reviewed By :Yogesh Patel 02/25/2025

Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





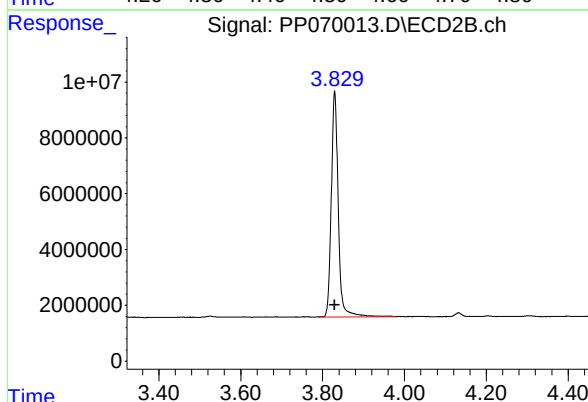
#1 Tetrachloro-m-xylene

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 144380410
Conc: 92.83 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

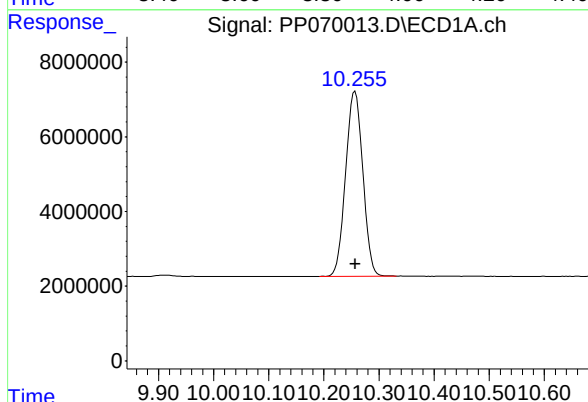
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



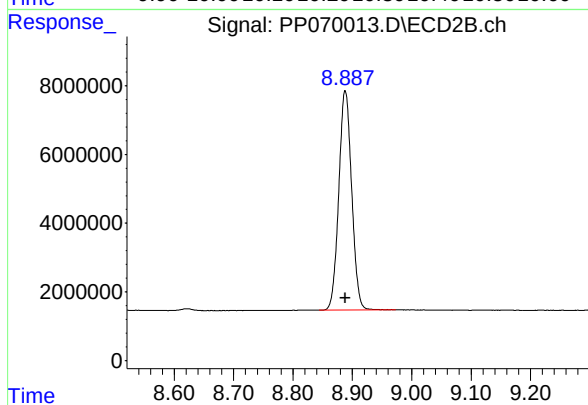
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 95717624
Conc: 96.53 ng/ml



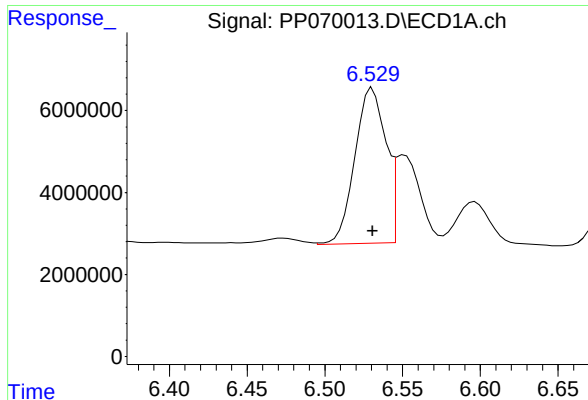
#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.000 min
Response: 107559138
Conc: 88.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 96312460
Conc: 84.07 ng/ml



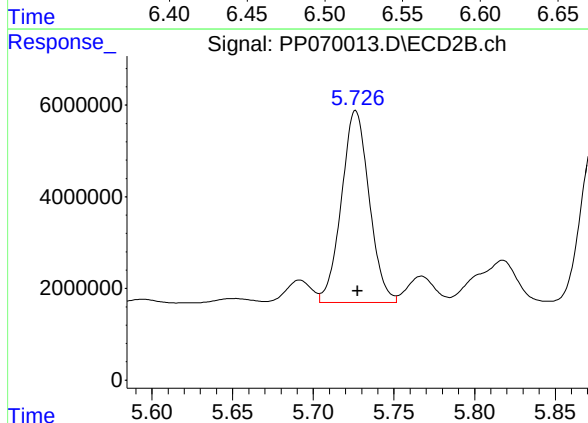
#26 AR-1254-1

R.T.: 6.529 min
Delta R.T.: -0.001 min
Response: 51156577
Conc: 843.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

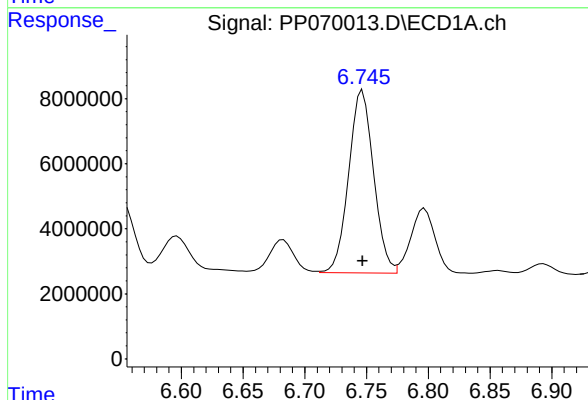
Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



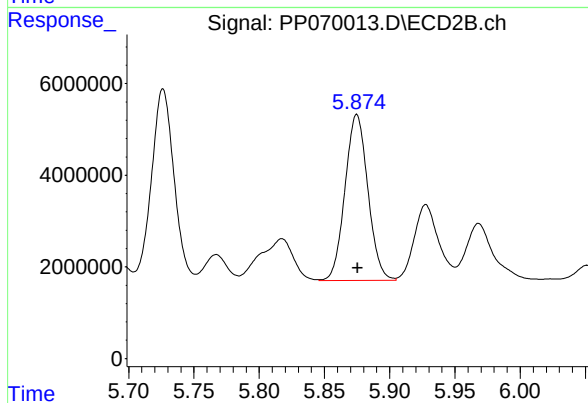
#26 AR-1254-1

R.T.: 5.726 min
Delta R.T.: -0.001 min
Response: 50279933
Conc: 901.84 ng/ml



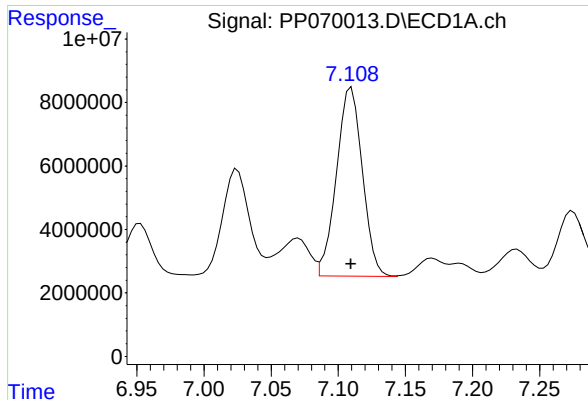
#27 AR-1254-2

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 78872042
Conc: 906.72 ng/ml



#27 AR-1254-2

R.T.: 5.875 min
Delta R.T.: 0.000 min
Response: 44271421
Conc: 892.96 ng/ml



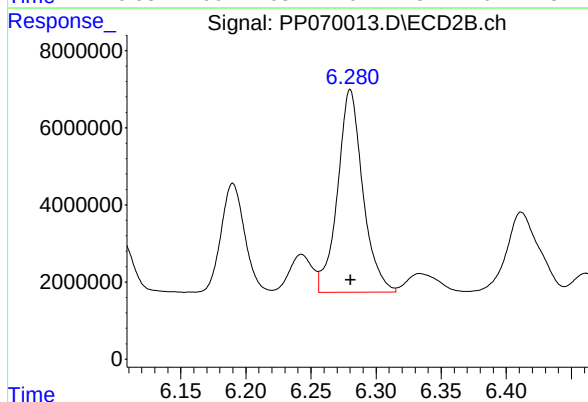
#28 AR-1254-3

R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 79973406
Conc: 912.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

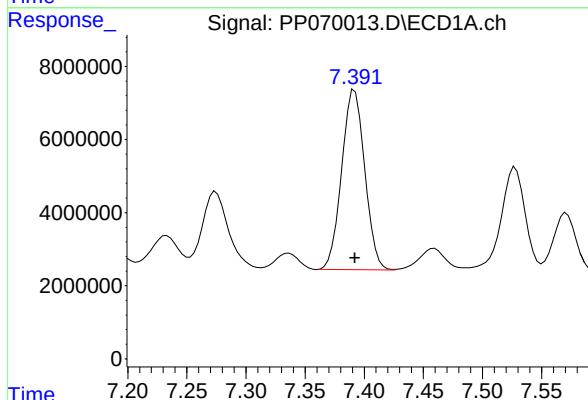
Manual Integrations
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Supervised By :Ankita Jodhani 02/25/2025



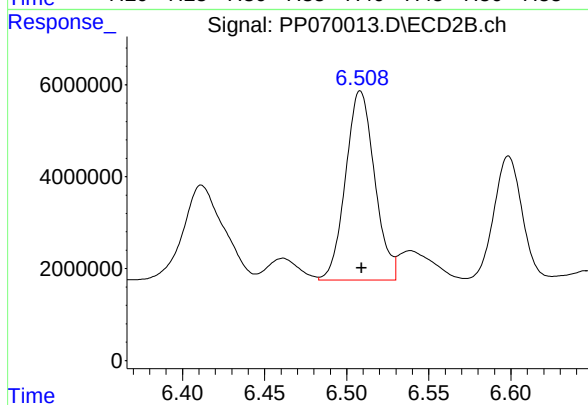
#28 AR-1254-3

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 70979950
Conc: 899.83 ng/ml



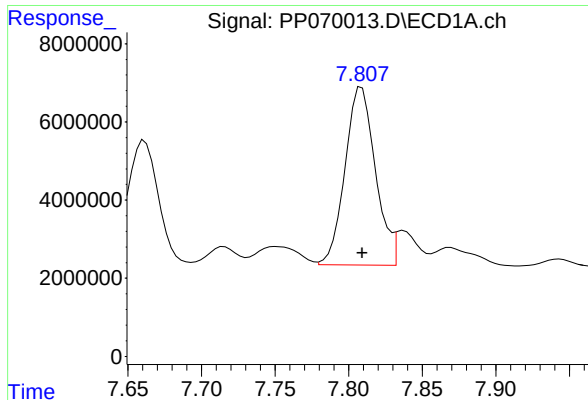
#29 AR-1254-4

R.T.: 7.392 min
Delta R.T.: 0.000 min
Response: 66856800
Conc: 910.19 ng/ml



#29 AR-1254-4

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 50771725
Conc: 935.89 ng/ml



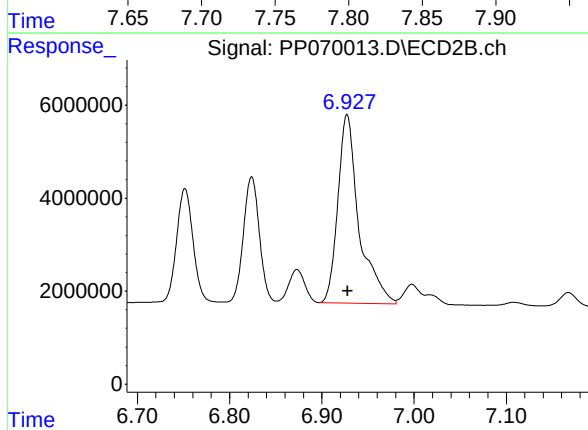
#30 AR-1254-5

R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 65315189
Conc: 938.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC1000

Manual Integrations
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#30 AR-1254-5

R.T.: 6.927 min
Delta R.T.: 0.000 min
Response: 64408865
Conc: 885.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 19:51
 Operator : YP\AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC750

Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 04:01:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 04:00:45 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.524	3.830	110.7E6	71421307	71.176	72.031
2) SA Decachlor...	10.252	8.888	82107398	75976360	67.202	66.323
Target Compounds						
26) L6 AR-1254-1	6.526	5.727	43177815	38730329	712.245m	694.683
27) L6 AR-1254-2	6.744	5.875	60940959	34175329	700.585	689.320
28) L6 AR-1254-3	7.106	6.280	61741877	54448591	704.482	690.260
29) L6 AR-1254-4	7.389	6.508	51037990	37612054	694.835	693.315
30) L6 AR-1254-5	7.804	6.927	51336155	49566080	737.367m	681.820

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 19:51
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

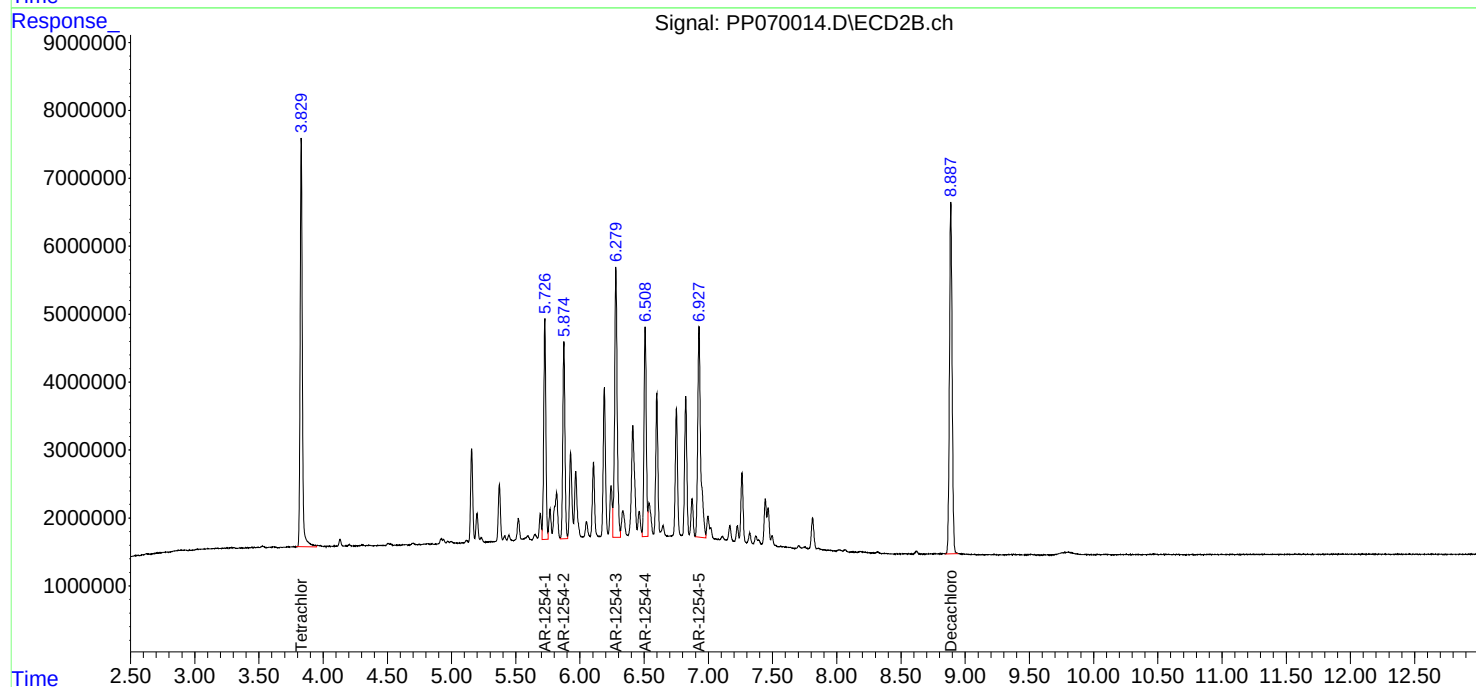
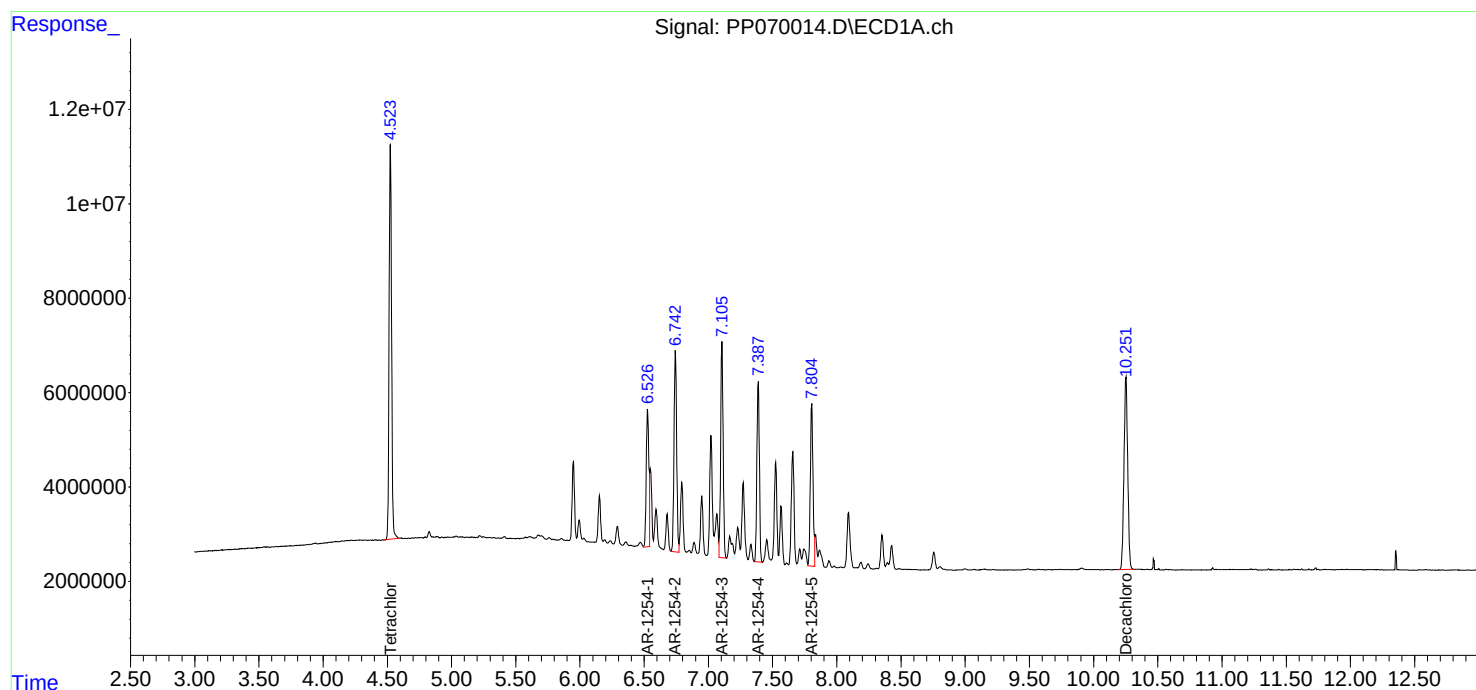
Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

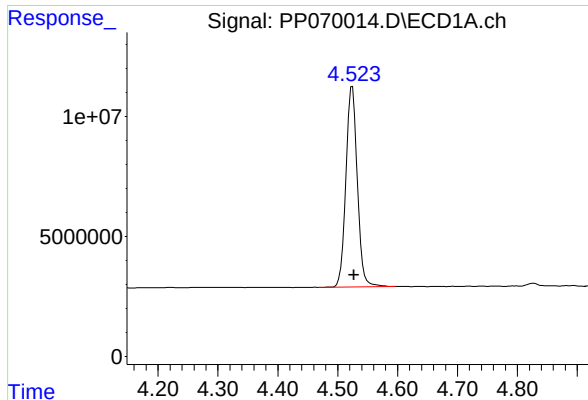
Manual Integrations
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Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:01:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





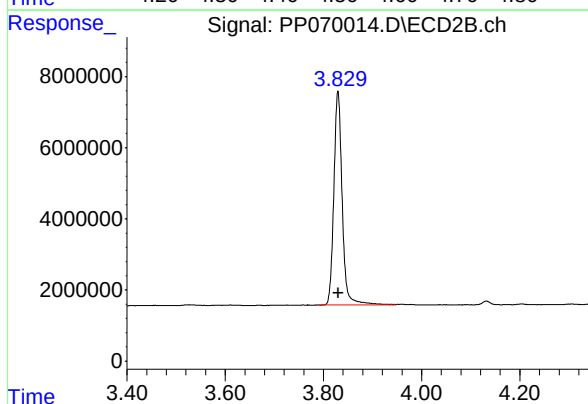
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 110696814
Conc: 71.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

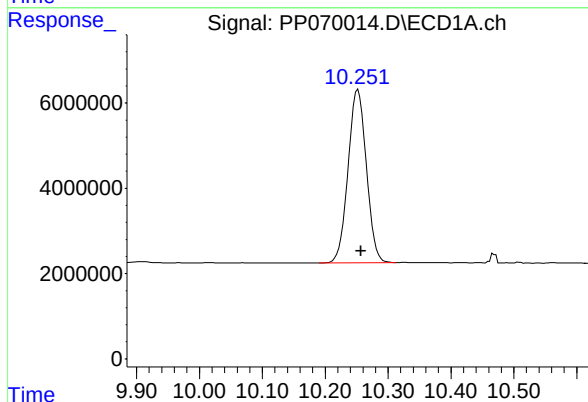
Manual Integrations
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Supervised By :Ankita Jodhani 02/25/2025



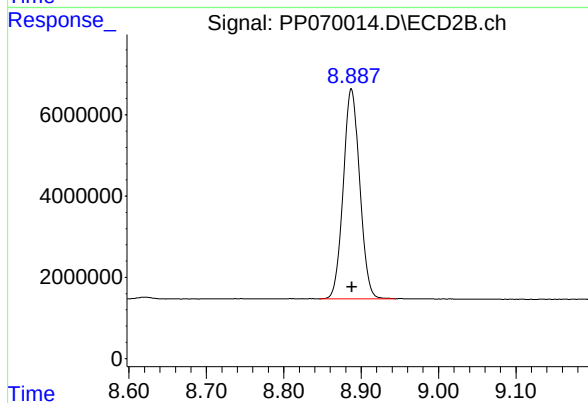
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 71421307
Conc: 72.03 ng/ml



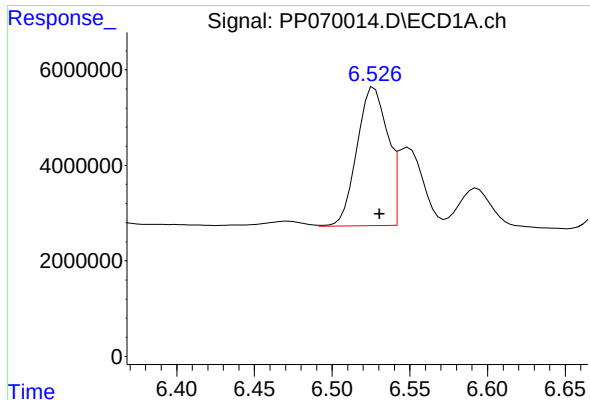
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.005 min
Response: 82107398
Conc: 67.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 75976360
Conc: 66.32 ng/ml



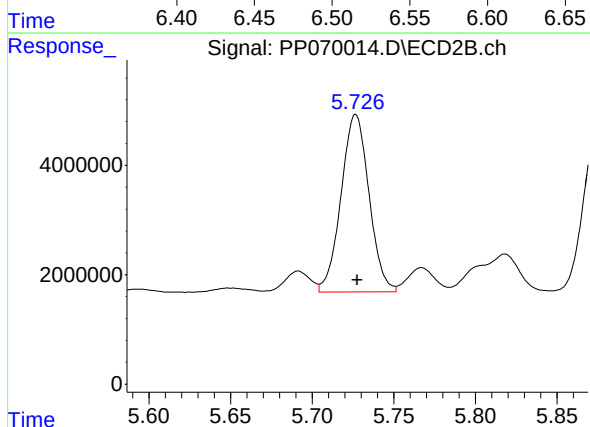
#26 AR-1254-1

R.T.: 6.526 min
Delta R.T.: -0.005 min
Response: 43177815
Conc: 712.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

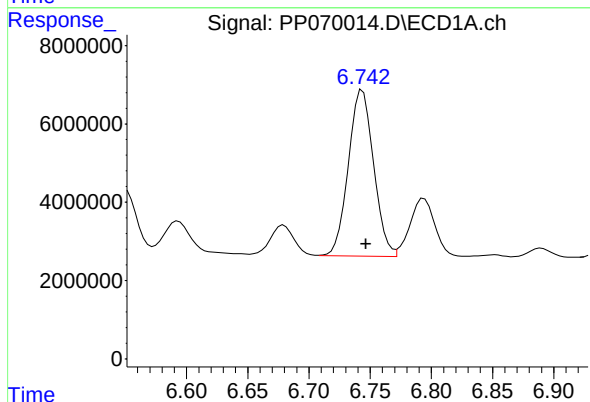
Manual Integrations
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Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



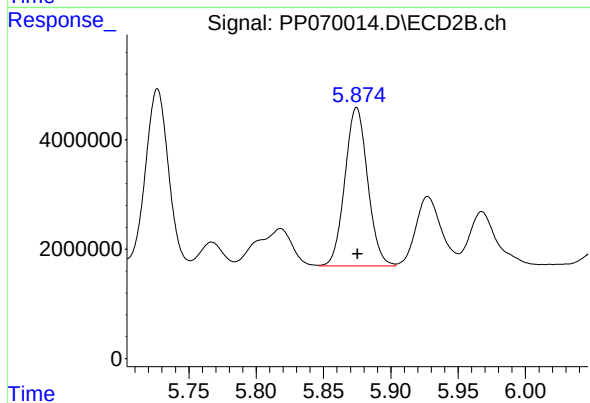
#26 AR-1254-1

R.T.: 5.727 min
Delta R.T.: 0.000 min
Response: 38730329
Conc: 694.68 ng/ml



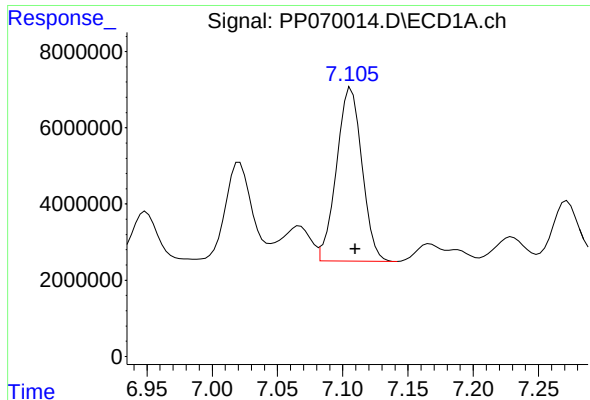
#27 AR-1254-2

R.T.: 6.744 min
Delta R.T.: -0.003 min
Response: 60940959
Conc: 700.58 ng/ml



#27 AR-1254-2

R.T.: 5.875 min
Delta R.T.: 0.000 min
Response: 34175329
Conc: 689.32 ng/ml



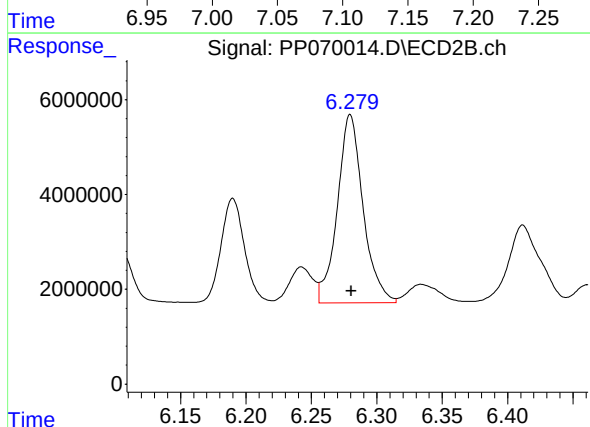
#28 AR-1254-3

R.T.: 7.106 min
Delta R.T.: -0.003 min
Response: 61741877
Conc: 704.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC750

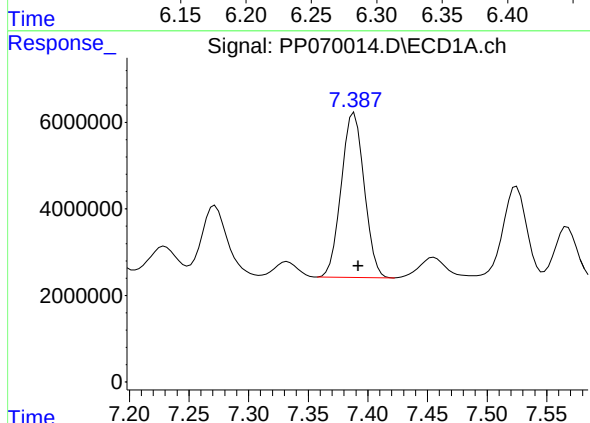
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



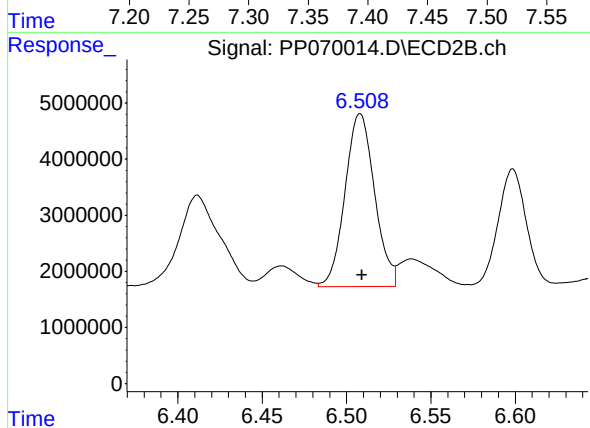
#28 AR-1254-3

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 54448591
Conc: 690.26 ng/ml



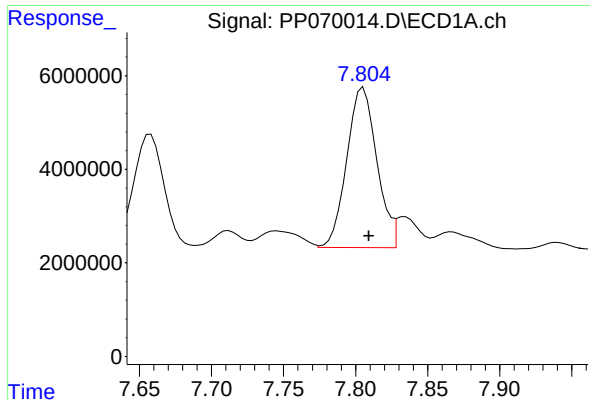
#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.004 min
Response: 51037990
Conc: 694.84 ng/ml



#29 AR-1254-4

R.T.: 6.508 min
Delta R.T.: -0.001 min
Response: 37612054
Conc: 693.32 ng/ml



#30 AR-1254-5

R.T.: 7.804 min
Delta R.T.: -0.005 min
Response: 51336155
Conc: 737.37 ng/ml

Instrument :

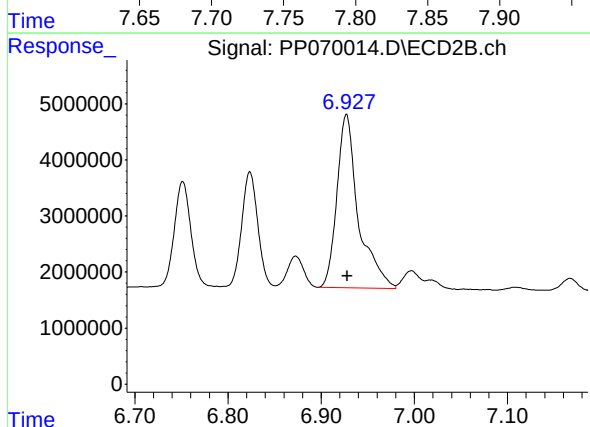
ECD_P

ClientSampleId :

AR1254ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#30 AR-1254-5

R.T.: 6.927 min
Delta R.T.: 0.000 min
Response: 49566080
Conc: 681.82 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:08
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.830	77763216	49576763	50.000	50.000
2) SA Decachlor...	10.257	8.888	61090090	57277938	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.531	5.727	30311081	27876244	500.000	500.000
27) L6 AR-1254-2	6.747	5.875	43492927	24789176	500.000	500.000
28) L6 AR-1254-3	7.110	6.281	43820793	39440641	500.000	500.000
29) L6 AR-1254-4	7.392	6.509	36726697	27124790	500.000	500.000
30) L6 AR-1254-5	7.809	6.928	34810463	36348350	500.000	500.000

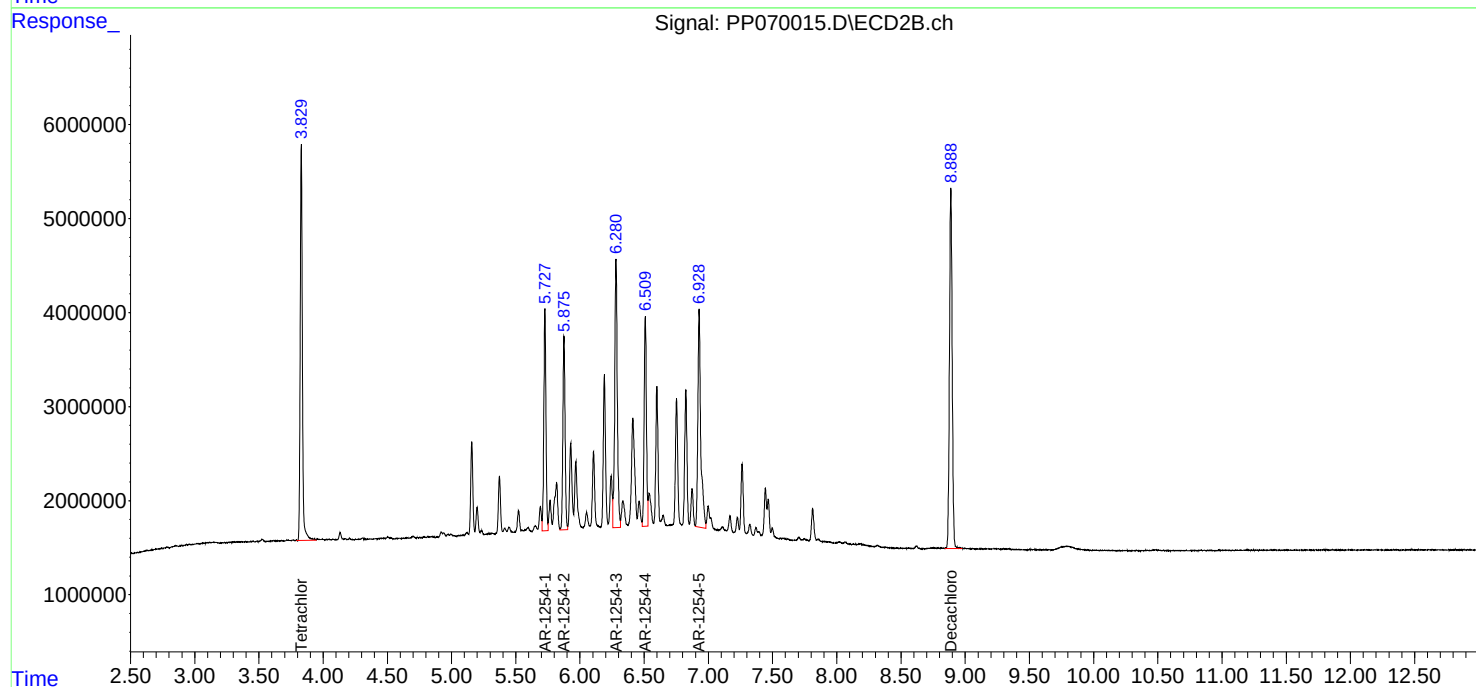
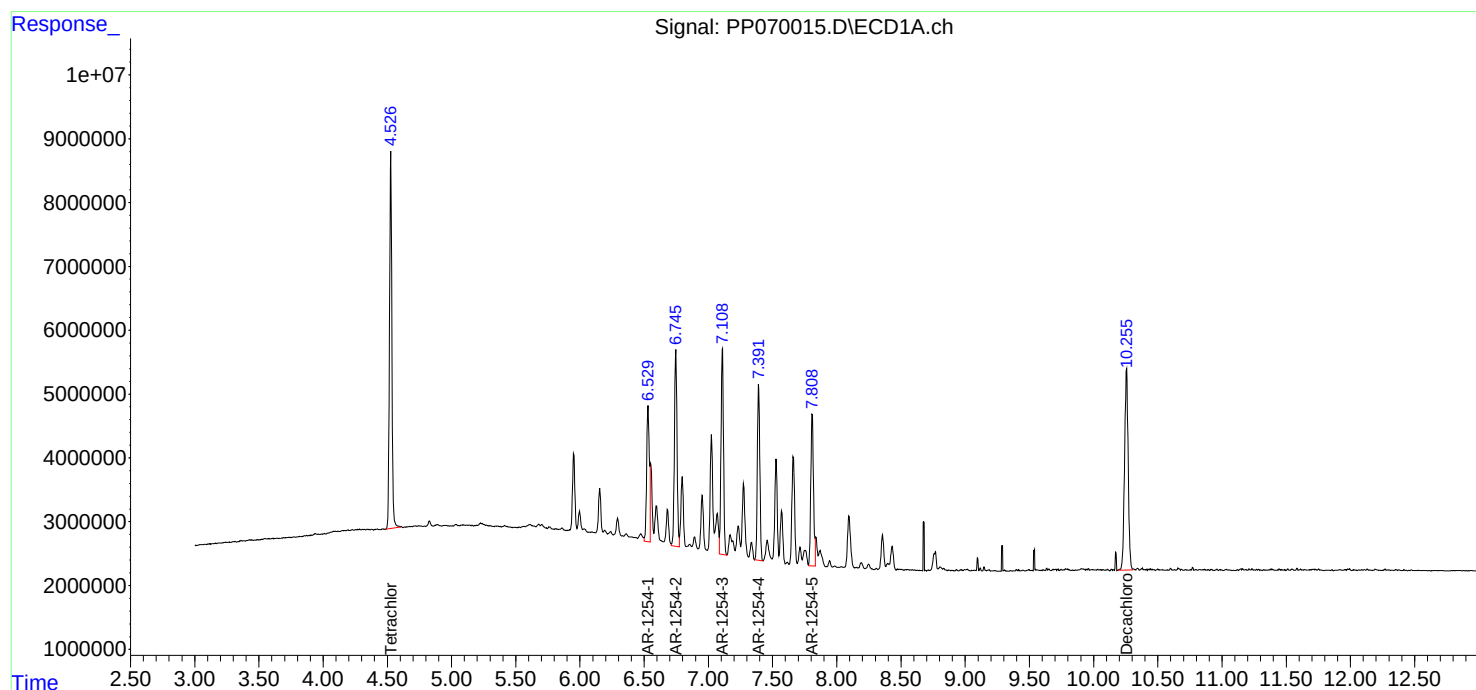
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

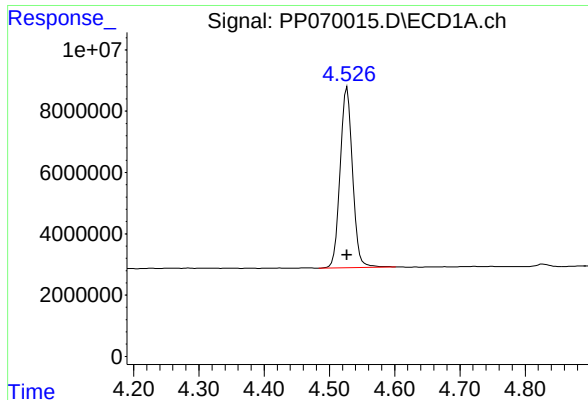
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:08
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

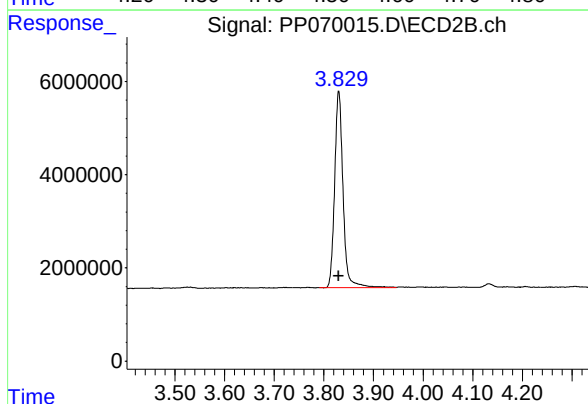




#1 Tetrachloro-m-xylene

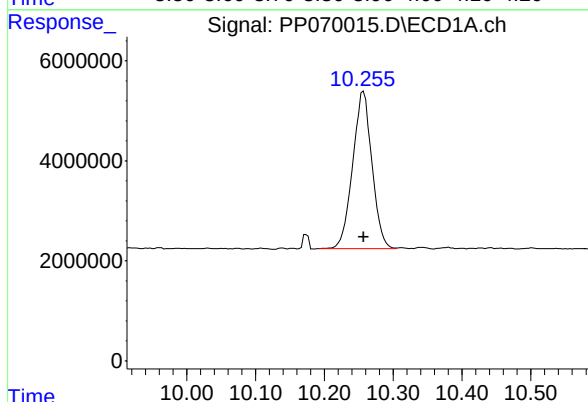
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 77763216
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



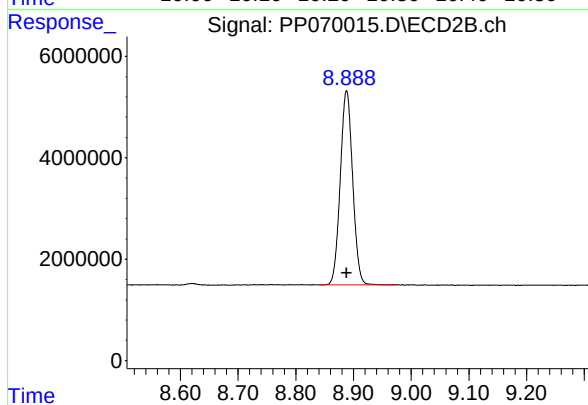
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 49576763
Conc: 50.00 ng/ml



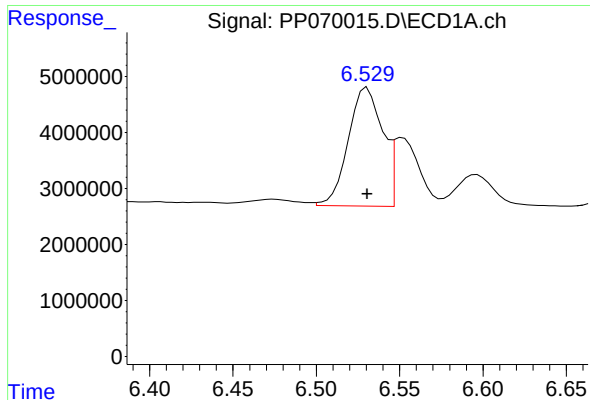
#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.000 min
Response: 61090090
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

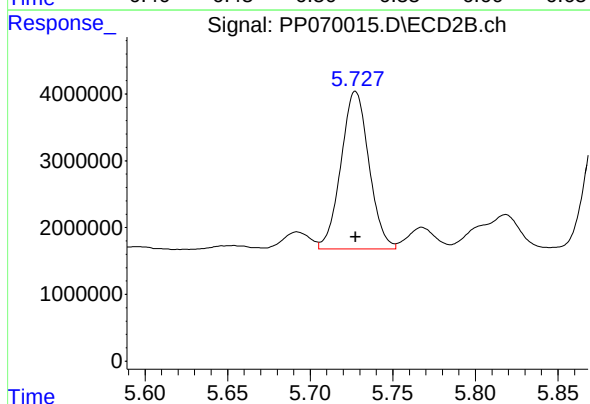
R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 57277938
Conc: 50.00 ng/ml



#26 AR-1254-1

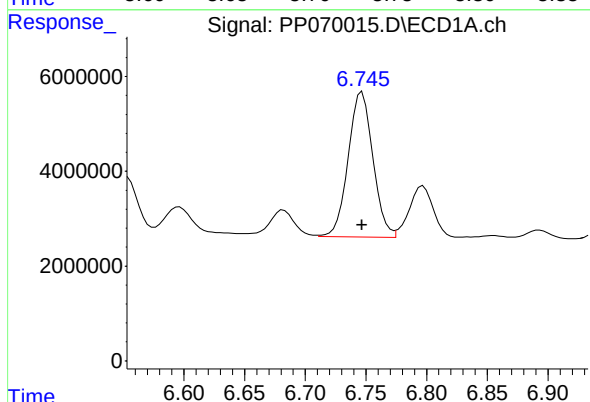
R.T.: 6.531 min
Delta R.T.: 0.000 min
Response: 30311081
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



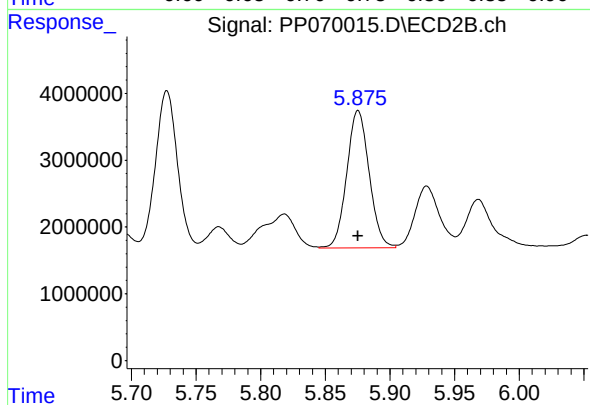
#26 AR-1254-1

R.T.: 5.727 min
Delta R.T.: 0.000 min
Response: 27876244
Conc: 500.00 ng/ml



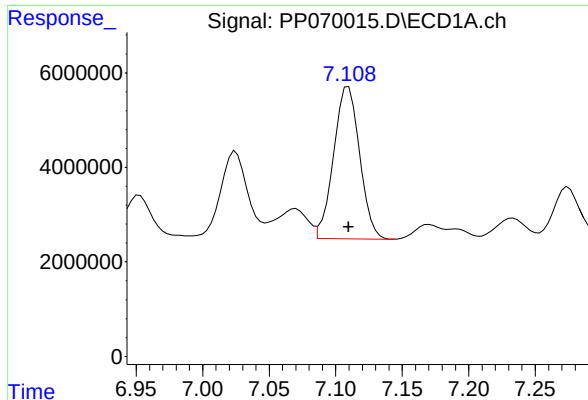
#27 AR-1254-2

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 43492927
Conc: 500.00 ng/ml



#27 AR-1254-2

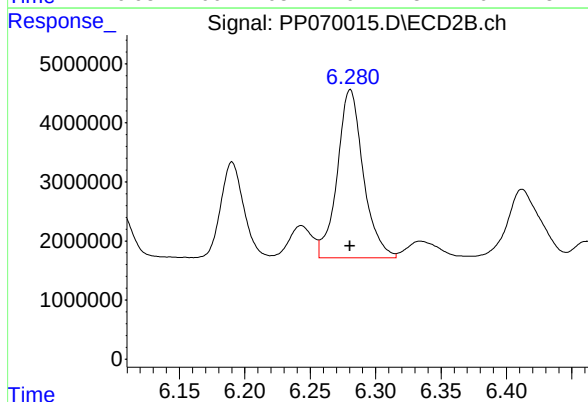
R.T.: 5.875 min
Delta R.T.: 0.000 min
Response: 24789176
Conc: 500.00 ng/ml



#28 AR-1254-3

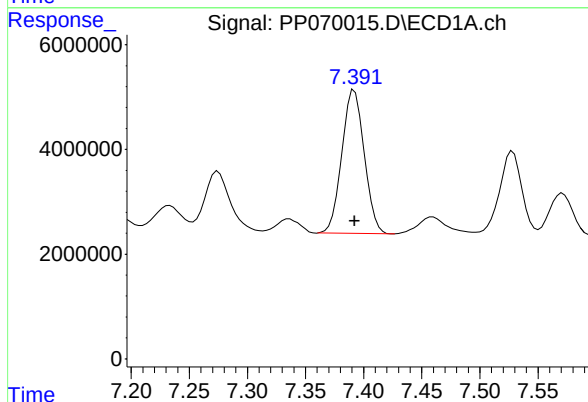
R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 43820793
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



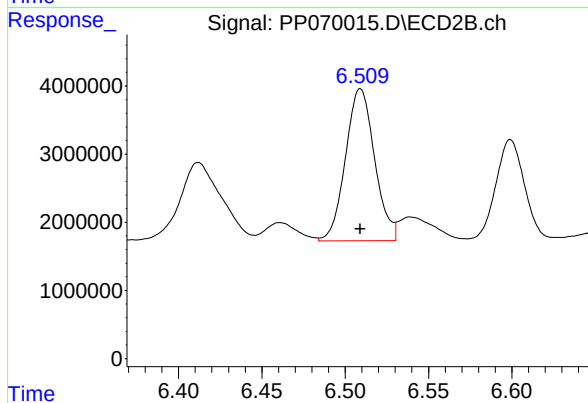
#28 AR-1254-3

R.T.: 6.281 min
Delta R.T.: 0.000 min
Response: 39440641
Conc: 500.00 ng/ml



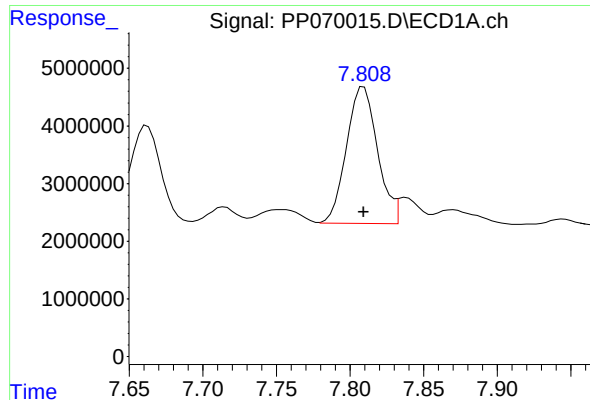
#29 AR-1254-4

R.T.: 7.392 min
Delta R.T.: 0.000 min
Response: 36726697
Conc: 500.00 ng/ml



#29 AR-1254-4

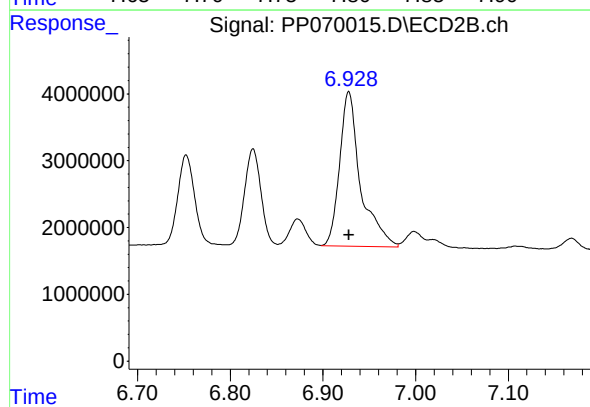
R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 27124790
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 34810463
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 36348350
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:24
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.830	40132836	27047582	25.805	27.278
2) SA Decachlor...	10.255	8.888	30187238	31137800	24.707	27.181
Target Compounds						
26) L6 AR-1254-1	6.531	5.726	16752117	15003264	276.337	269.105
27) L6 AR-1254-2	6.747	5.875	23335043	13387354	268.263	270.024
28) L6 AR-1254-3	7.110	6.280	23235048	21071755	265.114	267.133
29) L6 AR-1254-4	7.392	6.508	19203653	14324648	261.440	264.051
30) L6 AR-1254-5	7.809	6.927	18089237	18907727	259.825	260.091

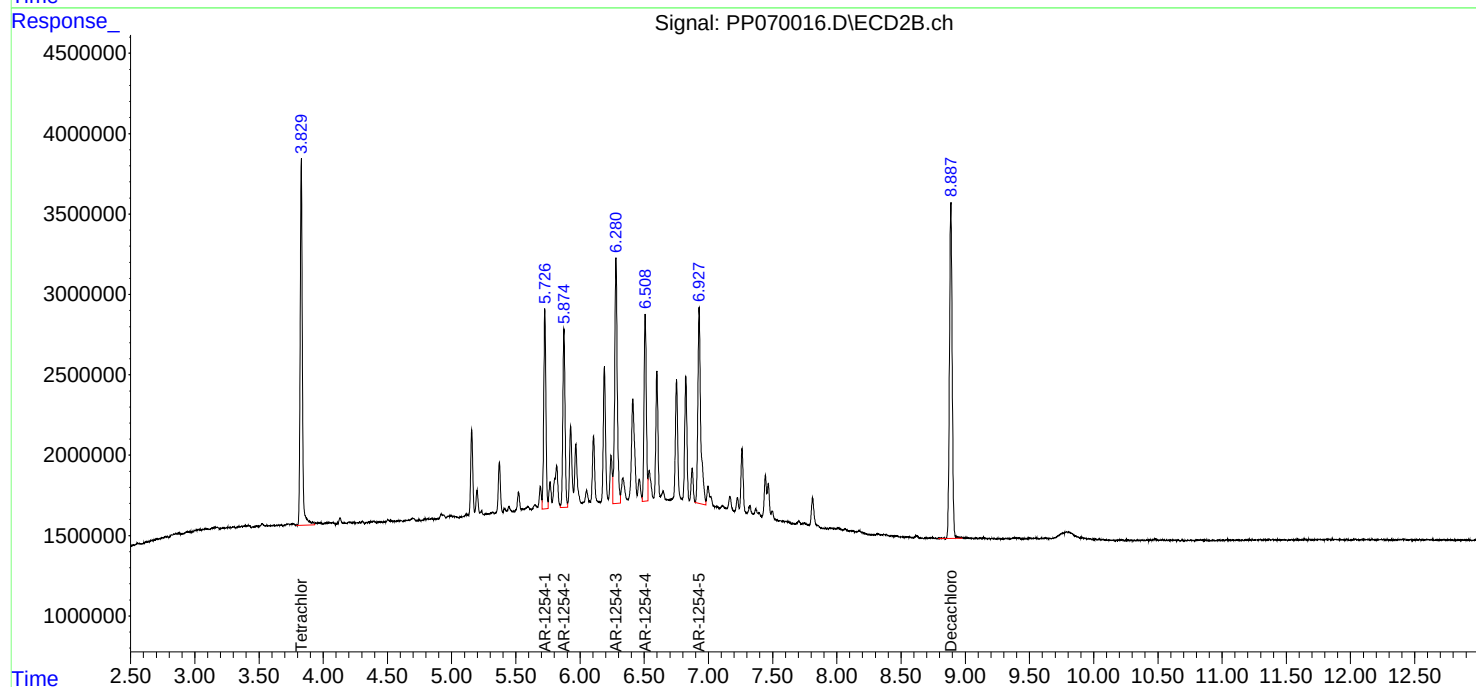
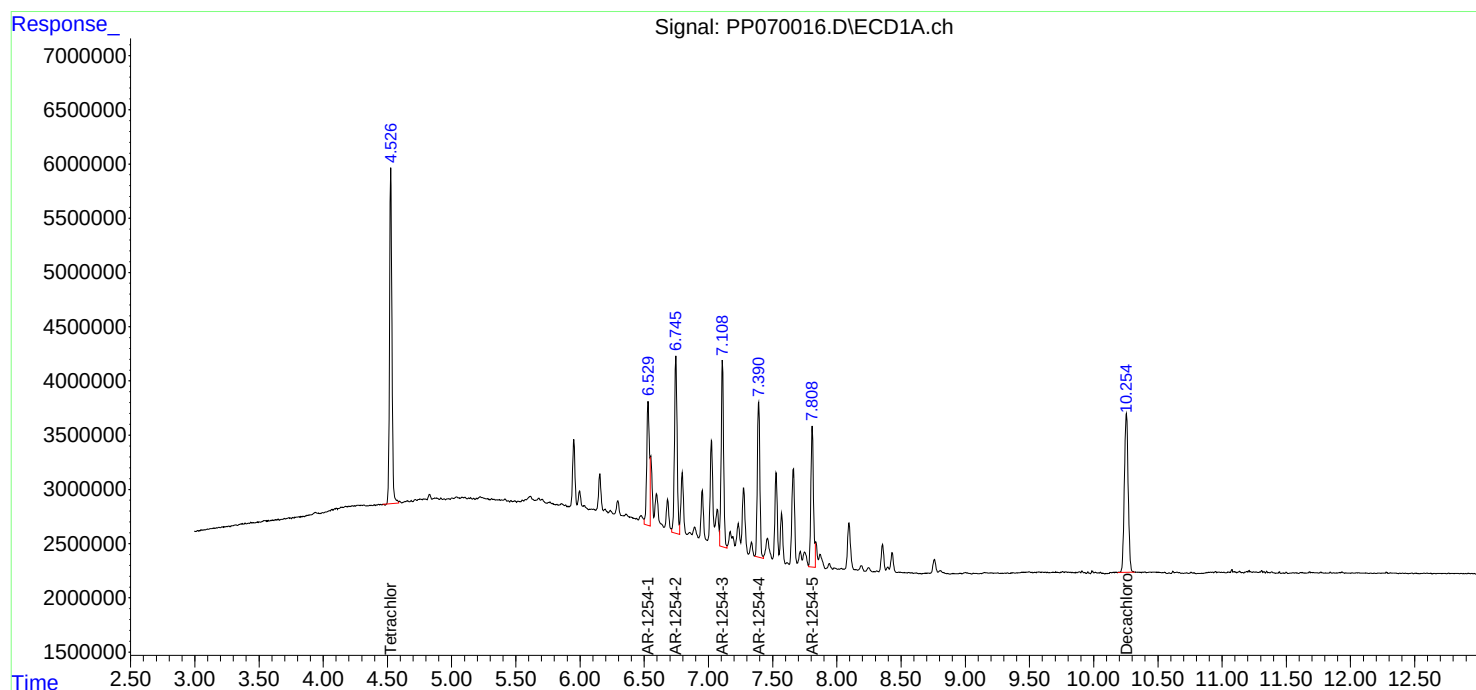
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

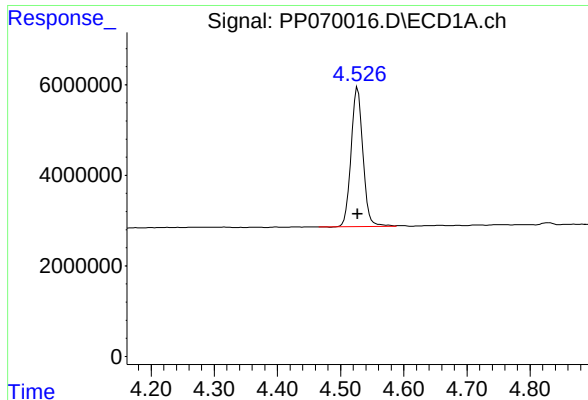
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:24
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

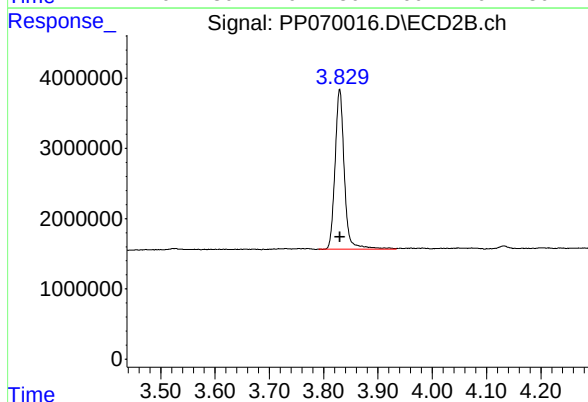




#1 Tetrachloro-m-xylene

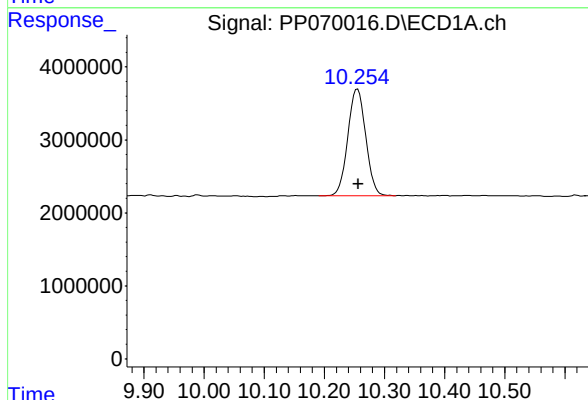
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 40132836
Conc: 25.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



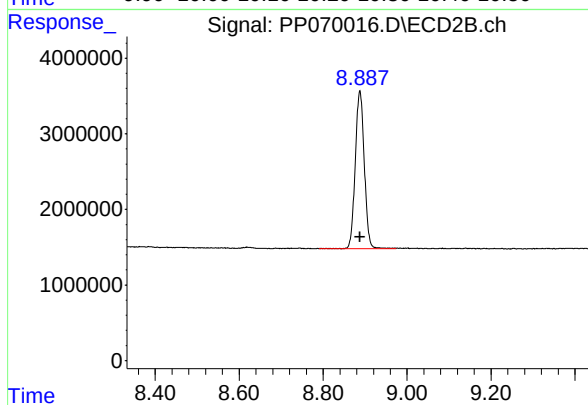
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 27047582
Conc: 27.28 ng/ml



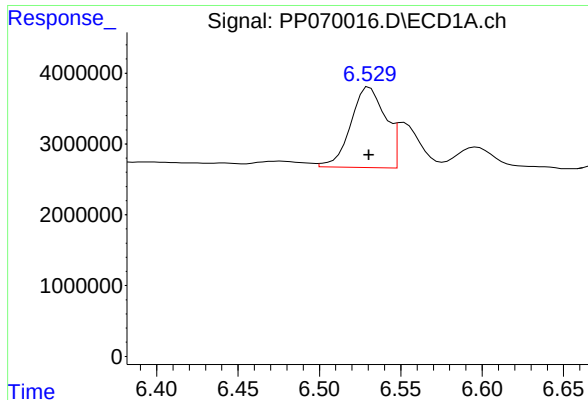
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: -0.002 min
Response: 30187238
Conc: 24.71 ng/ml



#2 Decachlorobiphenyl

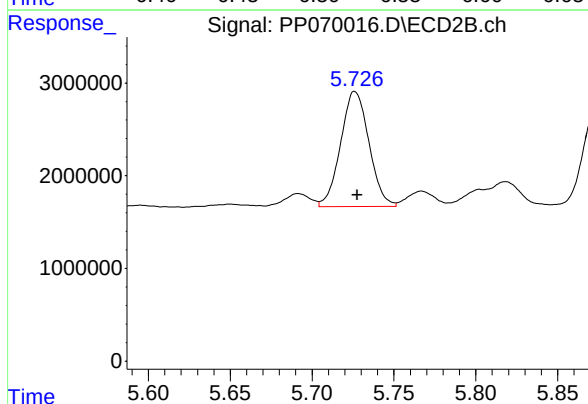
R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 31137800
Conc: 27.18 ng/ml



#26 AR-1254-1

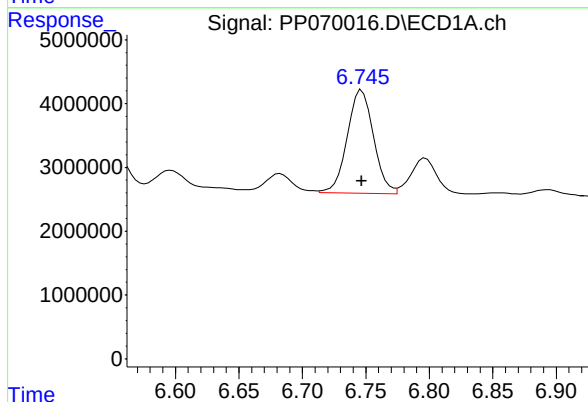
R.T.: 6.531 min
Delta R.T.: 0.000 min
Response: 16752117
Conc: 276.34 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



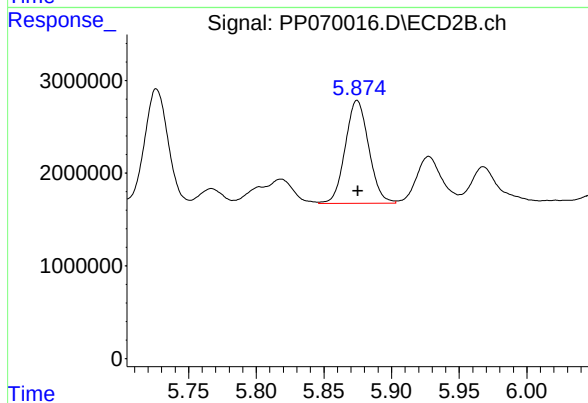
#26 AR-1254-1

R.T.: 5.726 min
Delta R.T.: -0.001 min
Response: 15003264
Conc: 269.10 ng/ml



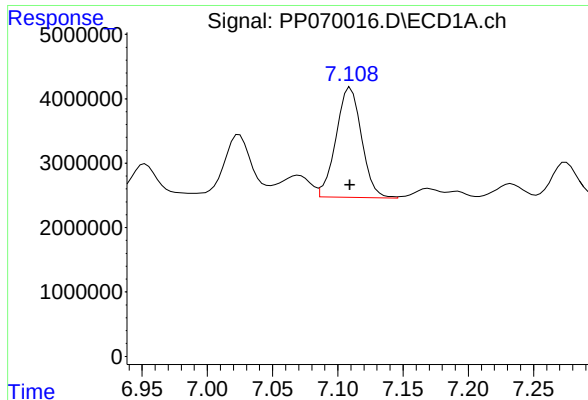
#27 AR-1254-2

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 23335043
Conc: 268.26 ng/ml



#27 AR-1254-2

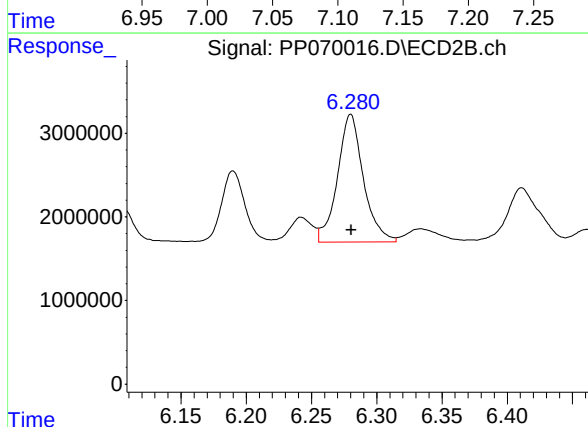
R.T.: 5.875 min
Delta R.T.: 0.000 min
Response: 13387354
Conc: 270.02 ng/ml



#28 AR-1254-3

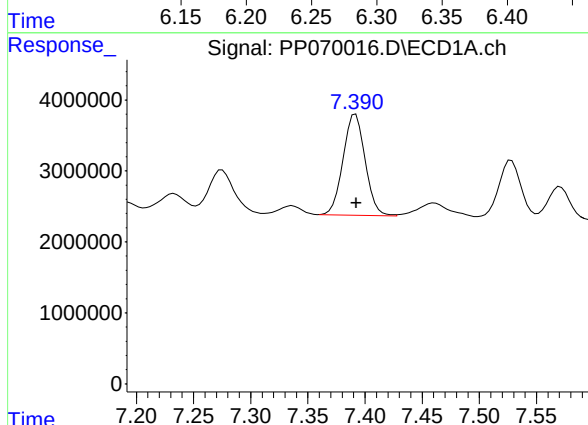
R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 23235048
Conc: 265.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



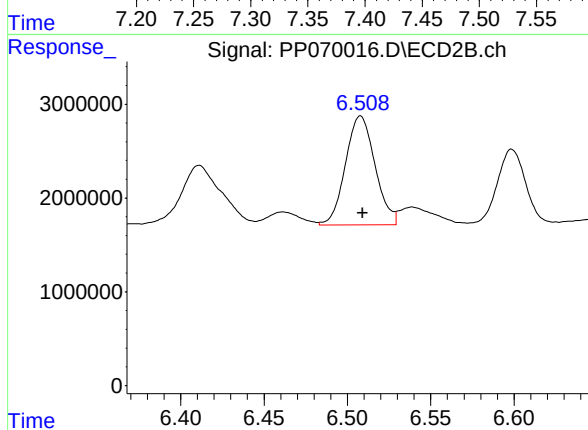
#28 AR-1254-3

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 21071755
Conc: 267.13 ng/ml



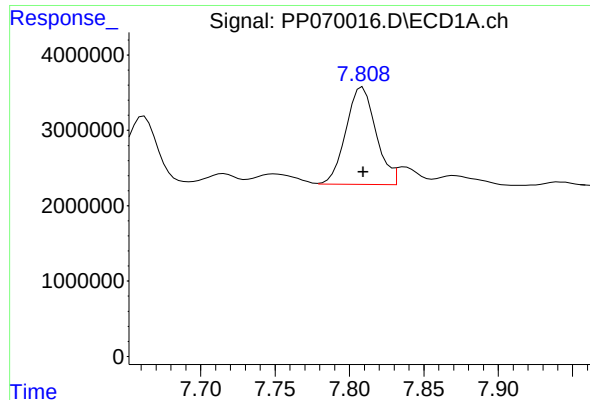
#29 AR-1254-4

R.T.: 7.392 min
Delta R.T.: 0.000 min
Response: 19203653
Conc: 261.44 ng/ml



#29 AR-1254-4

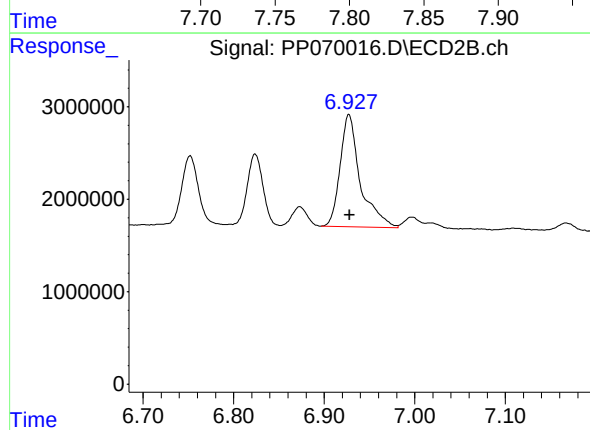
R.T.: 6.508 min
Delta R.T.: -0.001 min
Response: 14324648
Conc: 264.05 ng/ml



#30 AR-1254-5

R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 18089237
Conc: 259.82 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.927 min
Delta R.T.: 0.000 min
Response: 18907727
Conc: 260.09 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 20:40
 Operator : YP\AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 04:02:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 04:00:45 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.524	3.829	6961196	4894187	4.476m	4.936m
2) SA Decachlor...	10.255	8.888	5486741	5741356	4.491	5.012
Target Compounds						
26) L6 AR-1254-1	6.527	5.726	2357200	2758046	38.883m	49.469m#
27) L6 AR-1254-2	6.744	5.874	4898737	2538069	56.316m	51.193m
28) L6 AR-1254-3	7.107	6.280	5137710	3616827	58.622m	45.852m
29) L6 AR-1254-4	7.391	6.509	4369008	2241541	59.480m	41.319m#
30) L6 AR-1254-5	7.806	6.928	3003510	2951078	43.141m	40.594m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:40
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

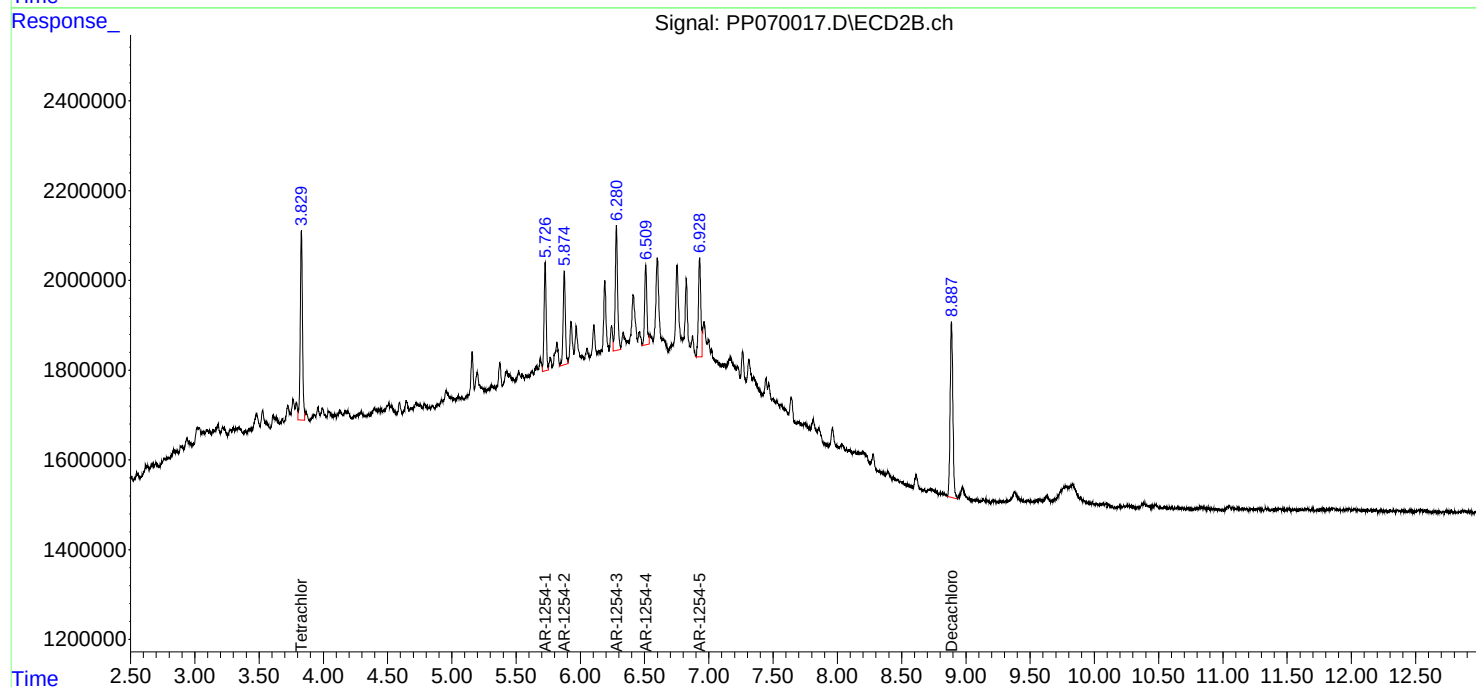
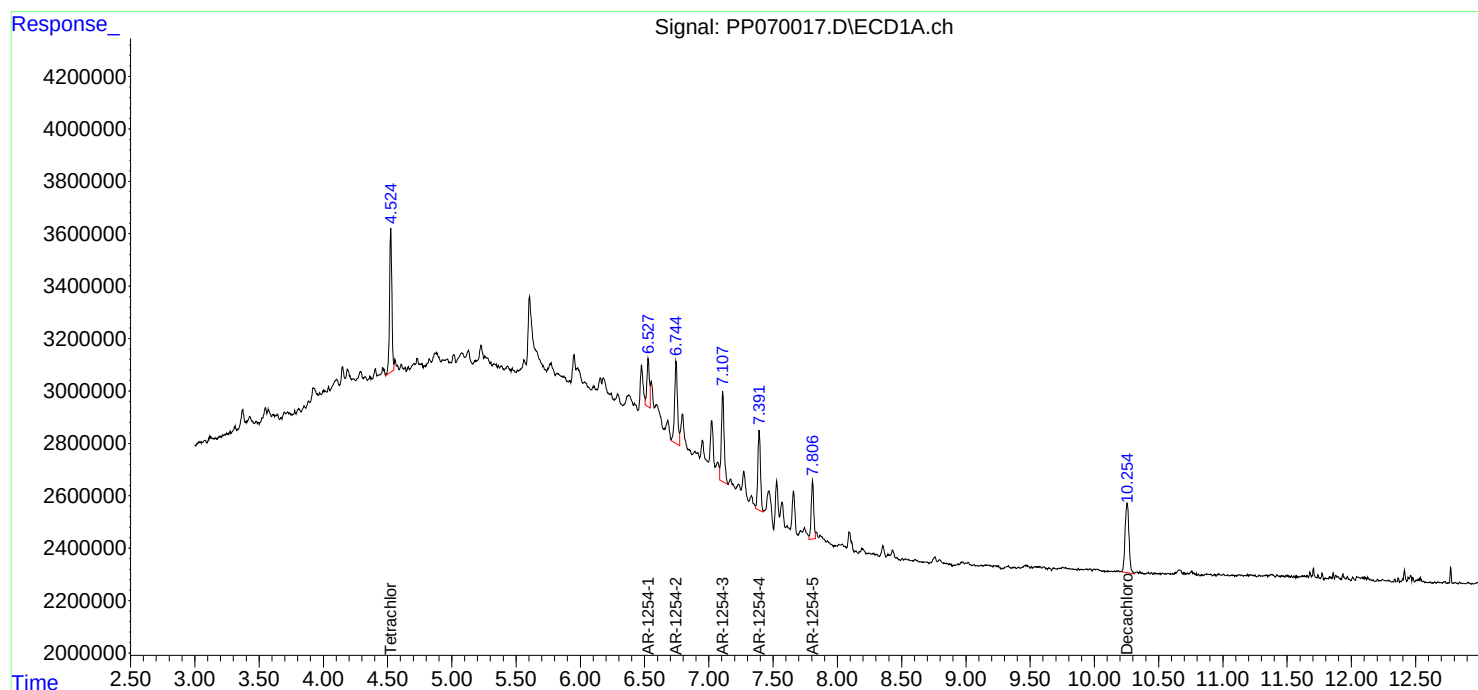
Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

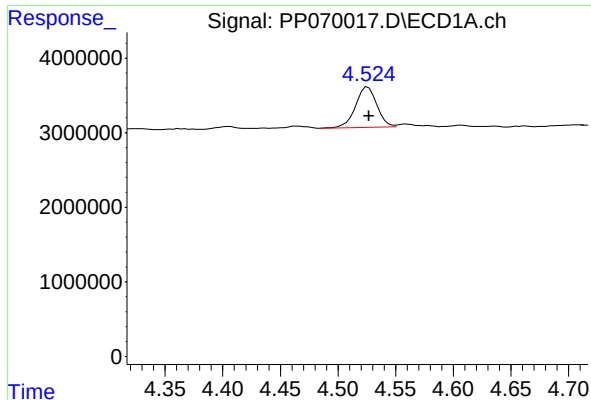
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:02:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





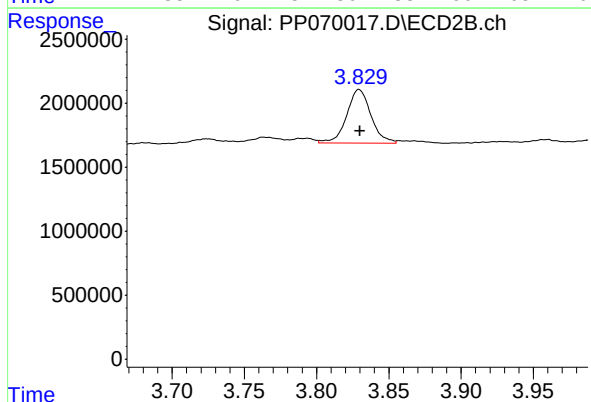
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 6961196
Conc: 4.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

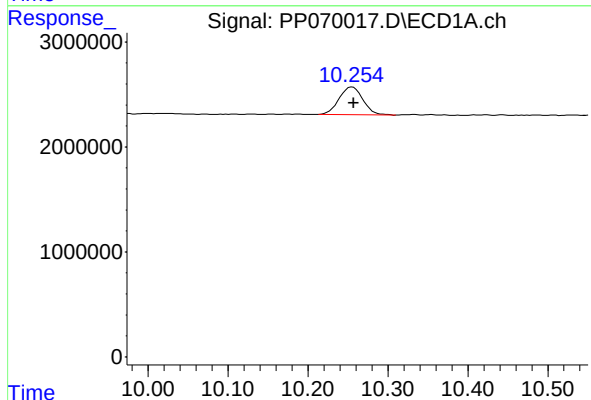
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



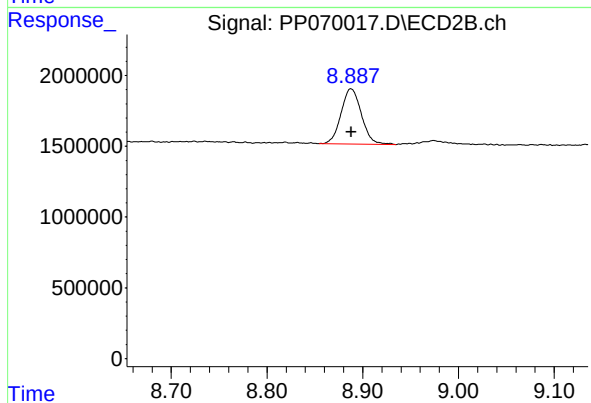
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.001 min
Response: 4894187
Conc: 4.94 ng/ml



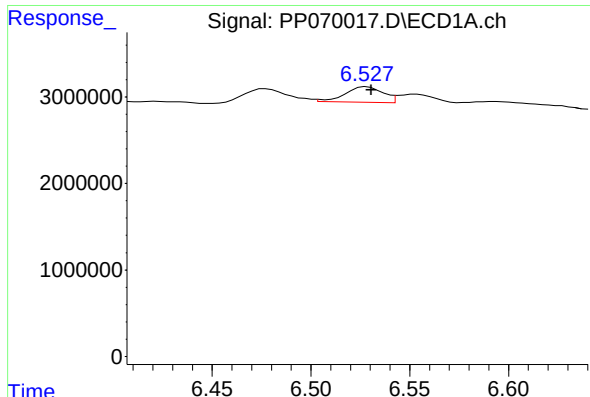
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: -0.001 min
Response: 5486741
Conc: 4.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 5741356
Conc: 5.01 ng/ml



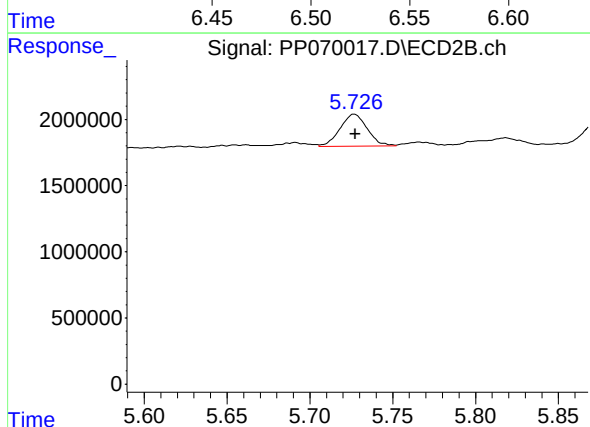
#26 AR-1254-1

R.T.: 6.527 min
Delta R.T.: -0.004 min
Response: 2357200
Conc: 38.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

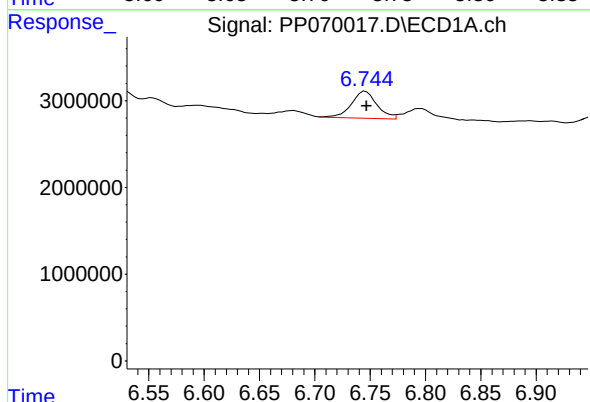
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



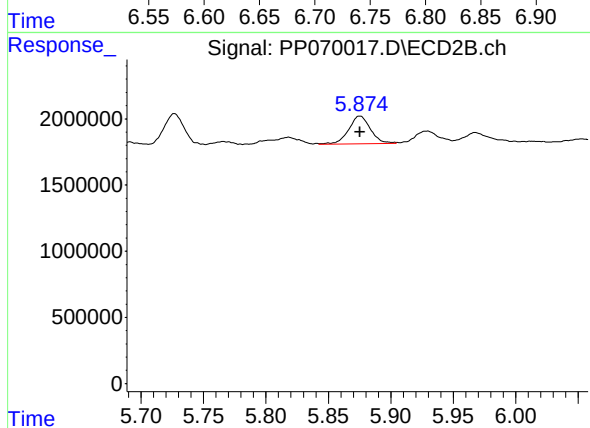
#26 AR-1254-1

R.T.: 5.726 min
Delta R.T.: -0.001 min
Response: 2758046
Conc: 49.47 ng/ml



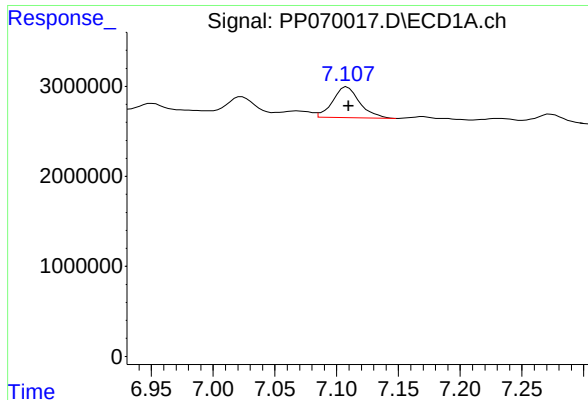
#27 AR-1254-2

R.T.: 6.744 min
Delta R.T.: -0.003 min
Response: 4898737
Conc: 56.32 ng/ml



#27 AR-1254-2

R.T.: 5.874 min
Delta R.T.: -0.001 min
Response: 2538069
Conc: 51.19 ng/ml



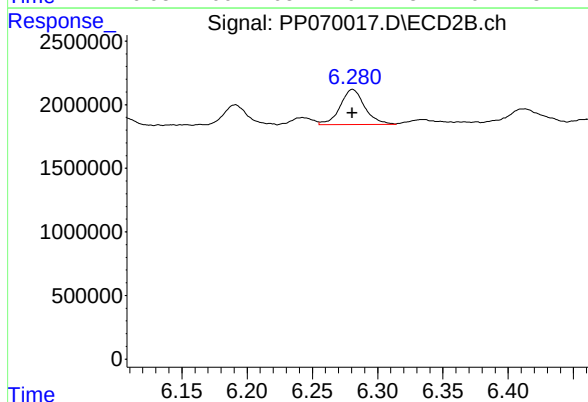
#28 AR-1254-3

R.T.: 7.107 min
Delta R.T.: -0.003 min
Response: 5137710
Conc: 58.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

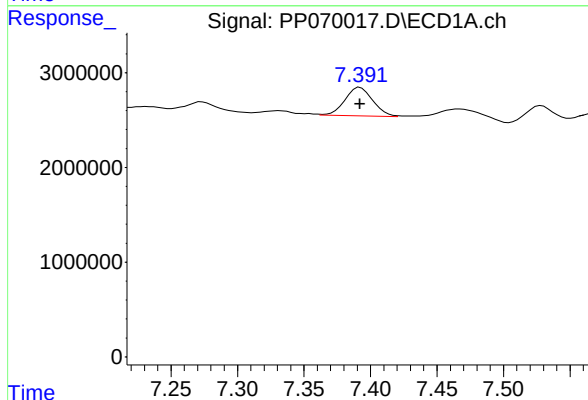
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



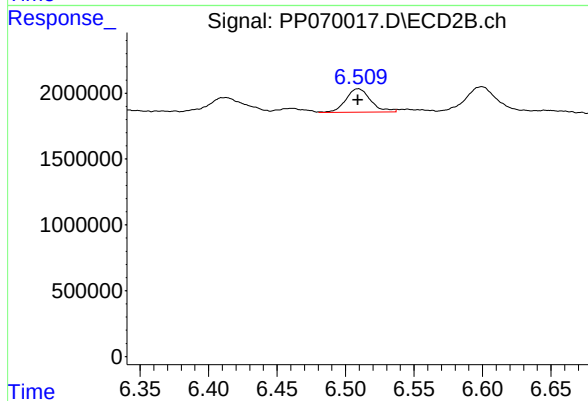
#28 AR-1254-3

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 3616827
Conc: 45.85 ng/ml



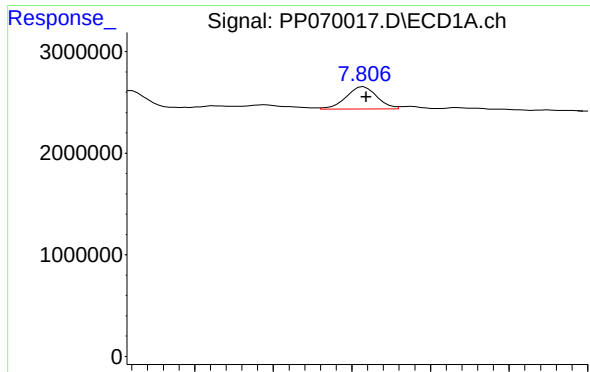
#29 AR-1254-4

R.T.: 7.391 min
Delta R.T.: -0.001 min
Response: 4369008
Conc: 59.48 ng/ml



#29 AR-1254-4

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 2241541
Conc: 41.32 ng/ml



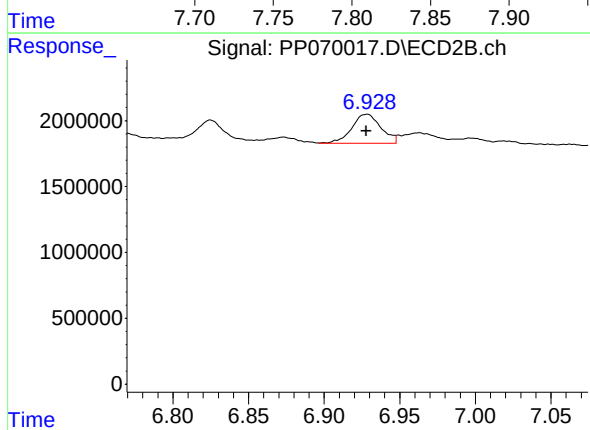
#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.003 min
Response: 3003510
Conc: 43.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#30 AR-1254-5

R.T.: 6.928 min
Delta R.T.: 0.000 min
Response: 2951078
Conc: 40.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:56
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:17:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:16:35 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.525	3.830	75905513	49076245	50.000	50.000
2) SA Decachlor...	10.253	8.887	56184968	54922965	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	8.110	6.966	40364528	41737655	500.000	500.000
37) L8 AR-1262-2	8.430	7.225	80543740	33145535	500.000	500.000
38) L8 AR-1262-3	8.748	7.750	55305882	30290218	500.000	500.000
39) L8 AR-1262-4	8.835	7.814	41956958	52736975	500.000	500.000
40) L8 AR-1262-5	9.491	8.317	29402309	25965064	500.000	500.000

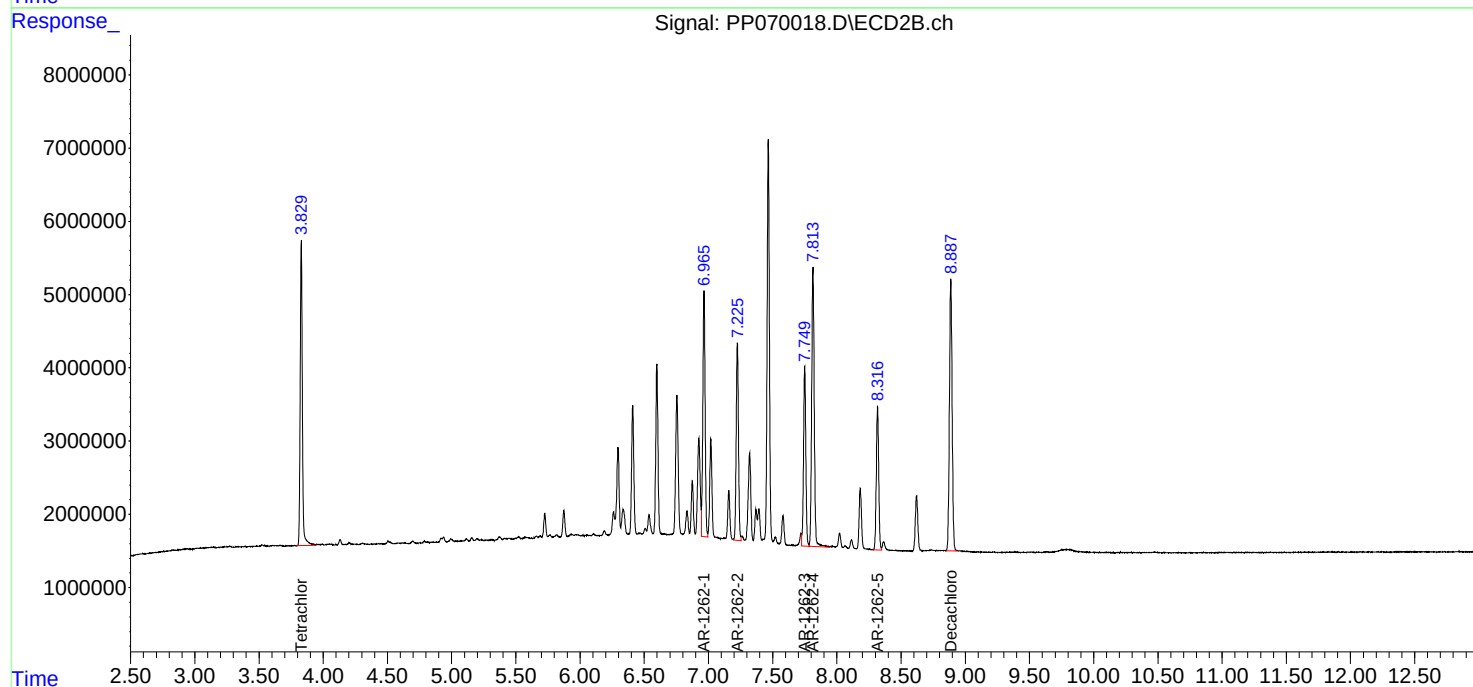
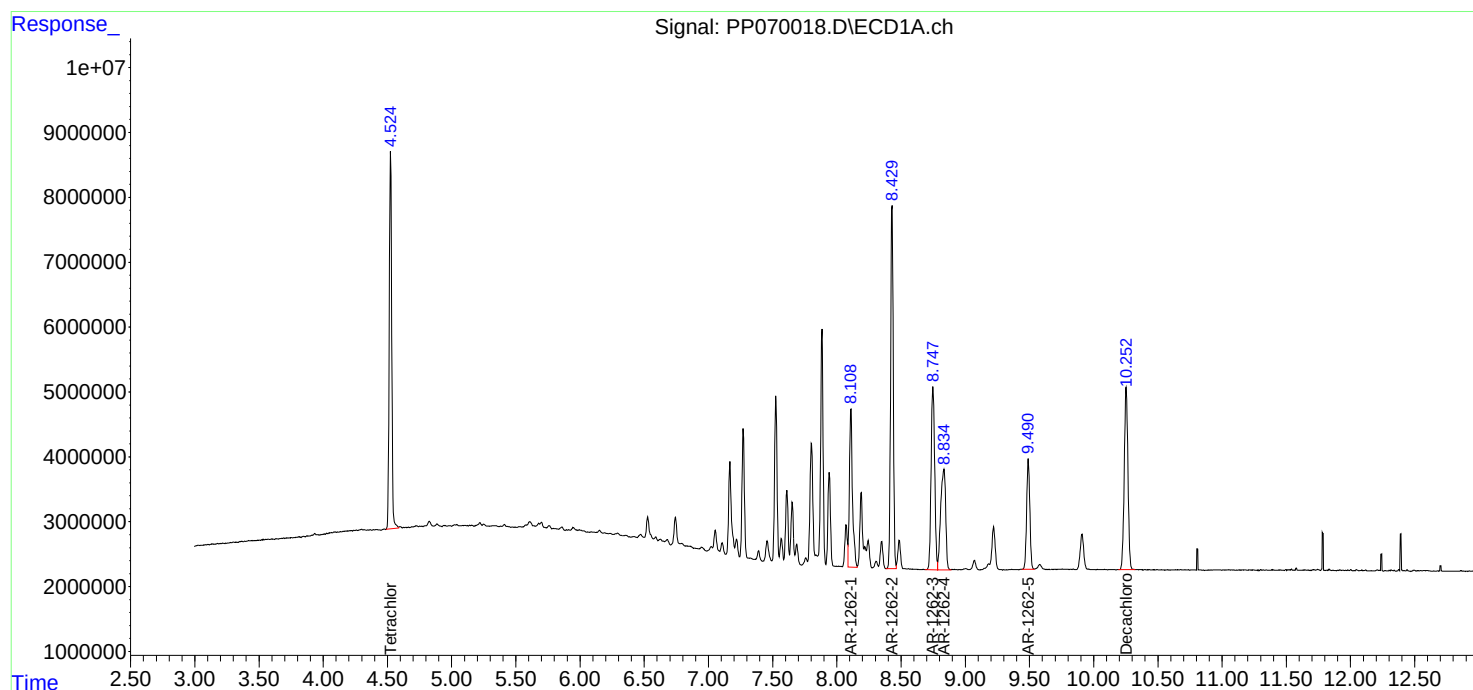
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

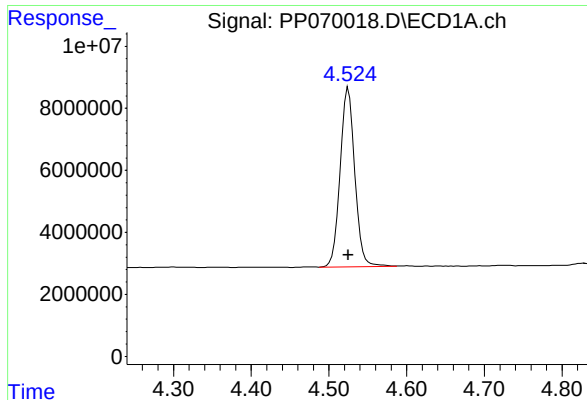
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 20:56
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:17:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:16:35 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

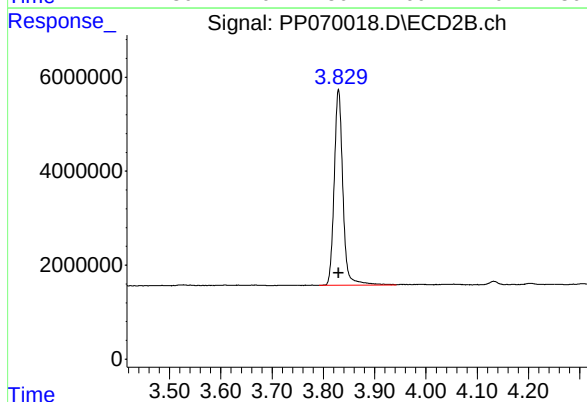




#1 Tetrachloro-m-xylene

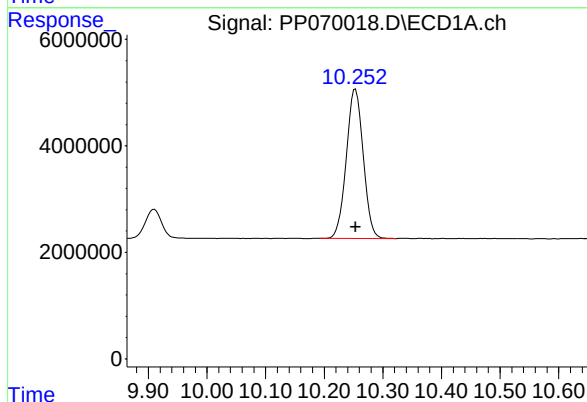
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 75905513
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



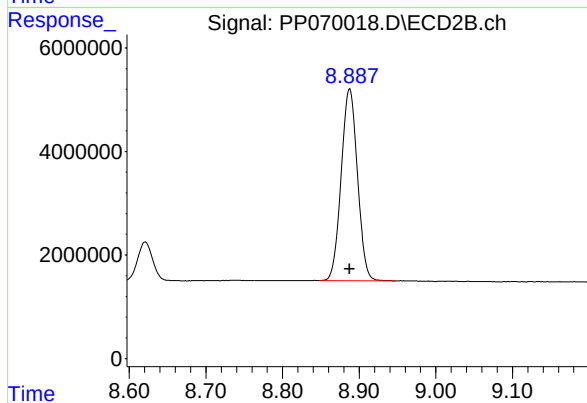
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 49076245
Conc: 50.00 ng/ml



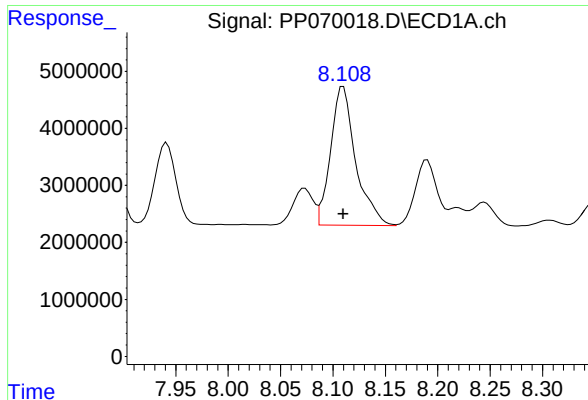
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 56184968
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

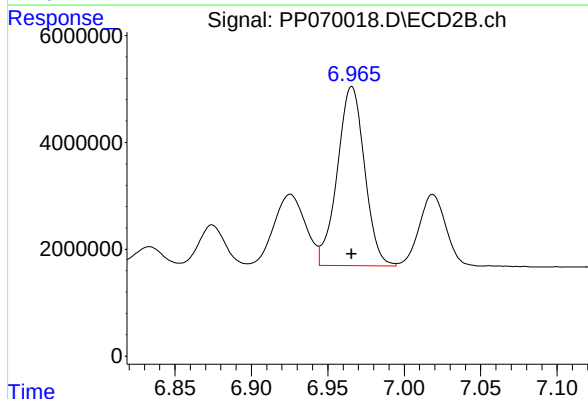
R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 54922965
Conc: 50.00 ng/ml



#36 AR-1262-1

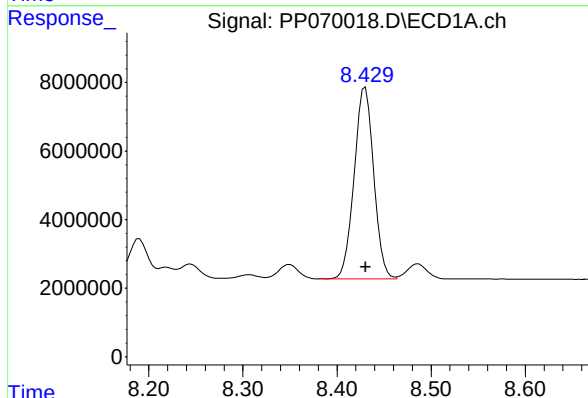
R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 40364528
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



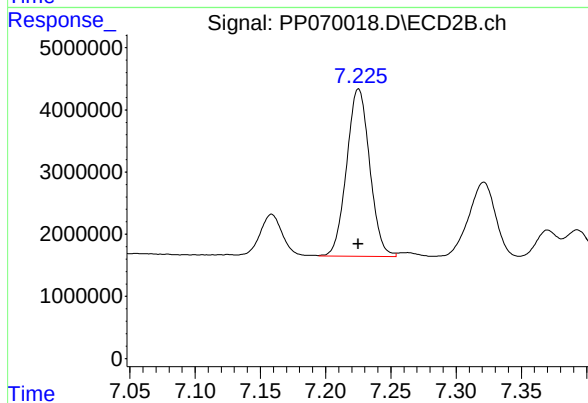
#36 AR-1262-1

R.T.: 6.966 min
Delta R.T.: 0.000 min
Response: 41737655
Conc: 500.00 ng/ml



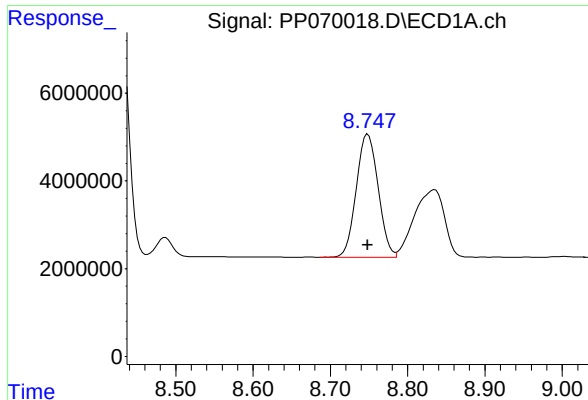
#37 AR-1262-2

R.T.: 8.430 min
Delta R.T.: 0.000 min
Response: 80543740
Conc: 500.00 ng/ml



#37 AR-1262-2

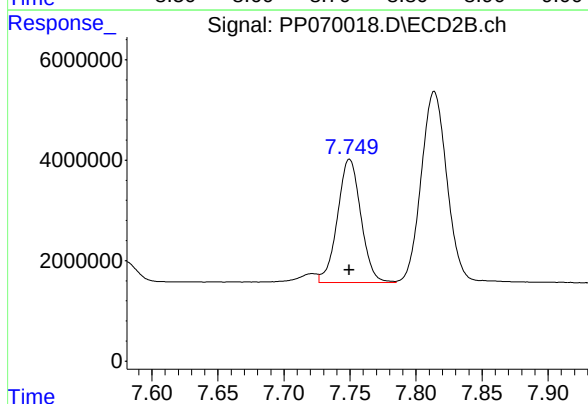
R.T.: 7.225 min
Delta R.T.: 0.000 min
Response: 33145535
Conc: 500.00 ng/ml



#38 AR-1262-3

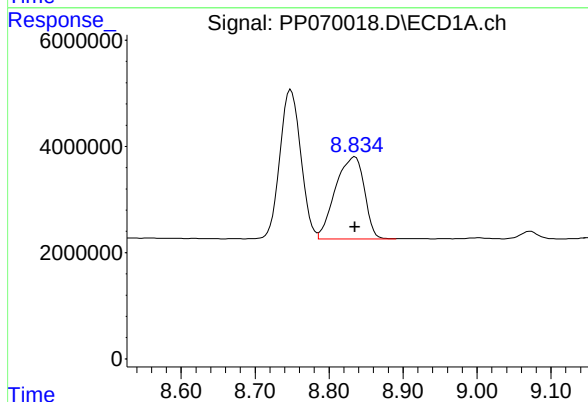
R.T.: 8.748 min
Delta R.T.: 0.000 min
Response: 55305882
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



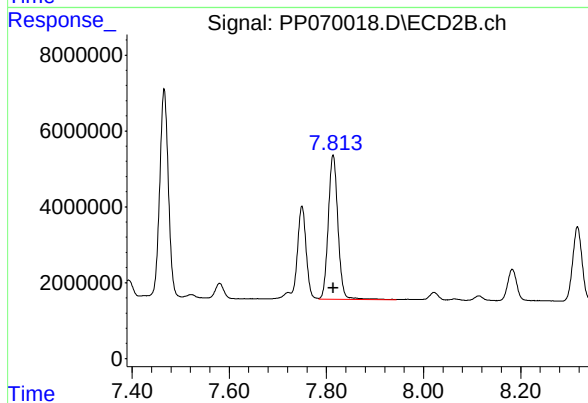
#38 AR-1262-3

R.T.: 7.750 min
Delta R.T.: 0.000 min
Response: 30290218
Conc: 500.00 ng/ml



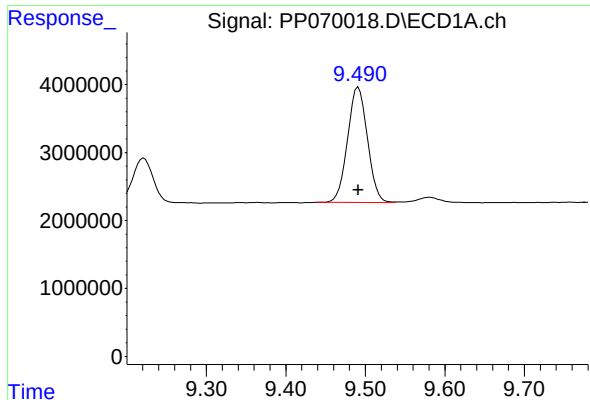
#39 AR-1262-4

R.T.: 8.835 min
Delta R.T.: 0.000 min
Response: 41956958
Conc: 500.00 ng/ml



#39 AR-1262-4

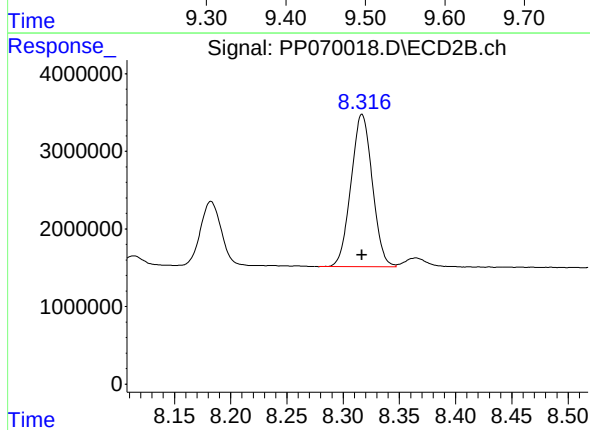
R.T.: 7.814 min
Delta R.T.: 0.000 min
Response: 52736975
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.491 min
Delta R.T.: 0.000 min
Response: 29402309
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 8.317 min
Delta R.T.: 0.000 min
Response: 25965064
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:12
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.524	3.829	150.1E6	96949955	97.947	97.351
2) SA Decachlor...	10.252	8.887	184.0E6	157.5E6	95.984	93.364
Target Compounds						
41) L9 AR-1268-1	8.744	7.749	188.4E6	160.3E6	973.171	1004.482
42) L9 AR-1268-2	8.838	7.814	162.7E6	139.5E6	966.670	1016.199
43) L9 AR-1268-3	9.071	8.022	141.6E6	118.7E6	974.102	985.054
44) L9 AR-1268-4	9.490	8.316	63392961	50956768	985.012	963.009
45) L9 AR-1268-5	9.910	8.620	414.0E6	345.5E6	989.680	1003.899

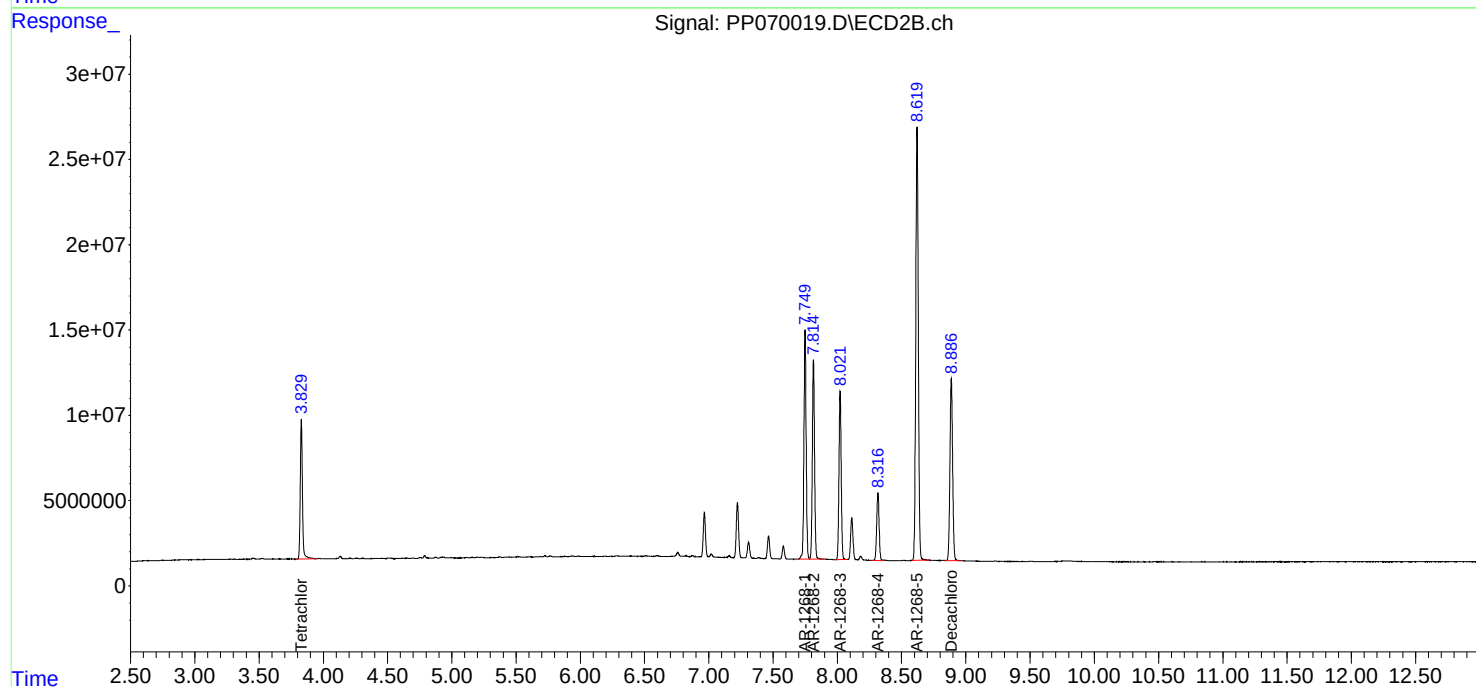
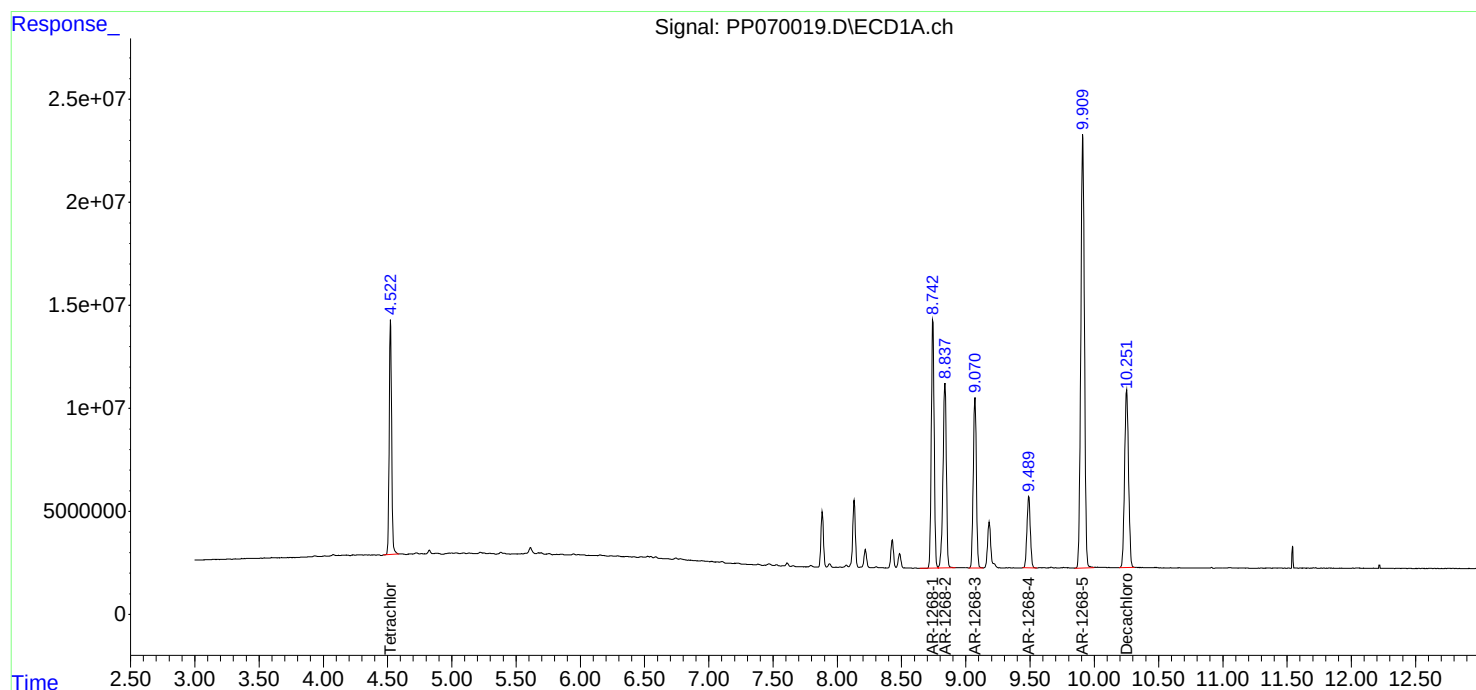
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

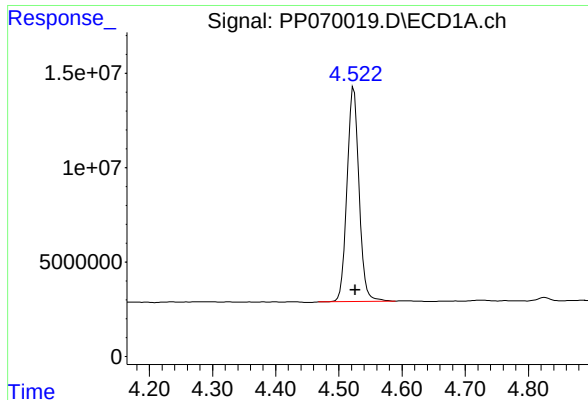
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:12
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

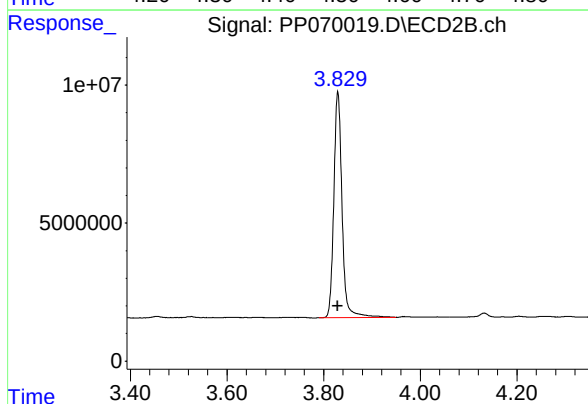




#1 Tetrachloro-m-xylene

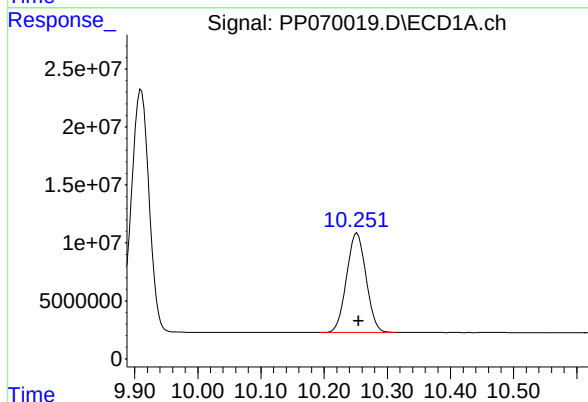
R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 150123810
Conc: 97.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



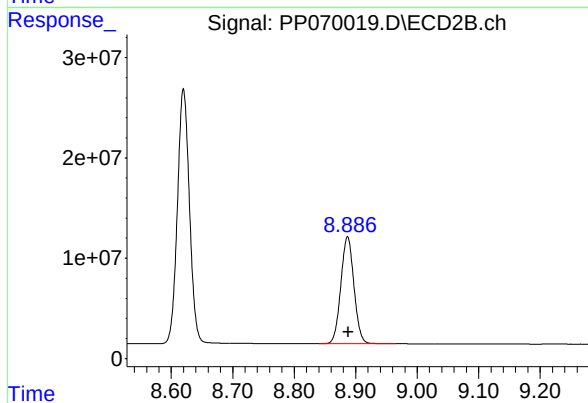
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 96949955
Conc: 97.35 ng/ml



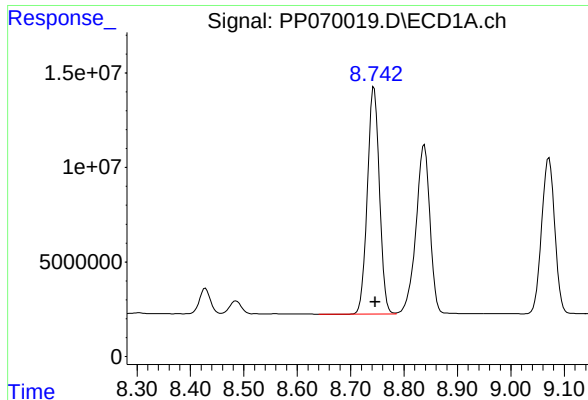
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.003 min
Response: 183952848
Conc: 95.98 ng/ml



#2 Decachlorobiphenyl

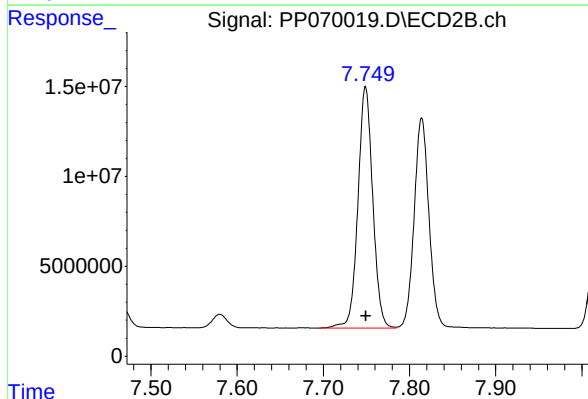
R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 157483945
Conc: 93.36 ng/ml



#41 AR-1268-1

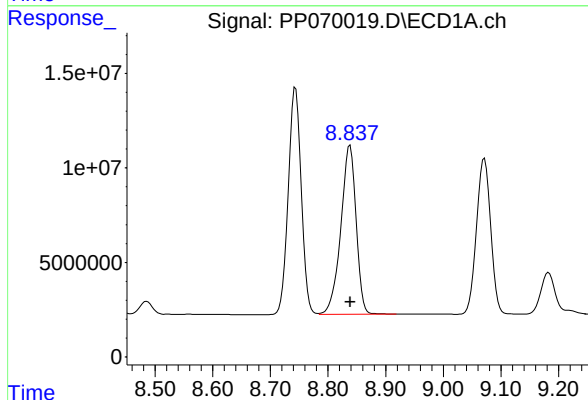
R.T.: 8.744 min
Delta R.T.: -0.002 min
Response: 188433469
Conc: 973.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



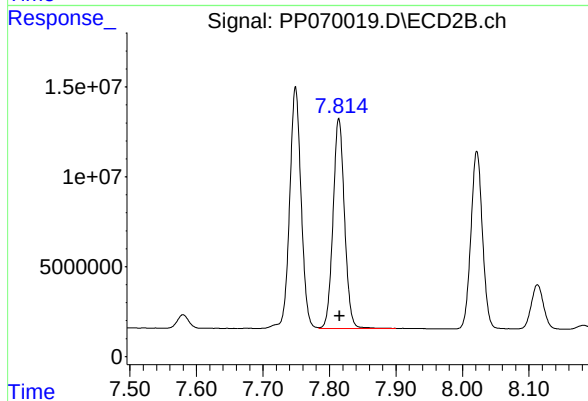
#41 AR-1268-1

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 160284327
Conc: 1004.48 ng/ml



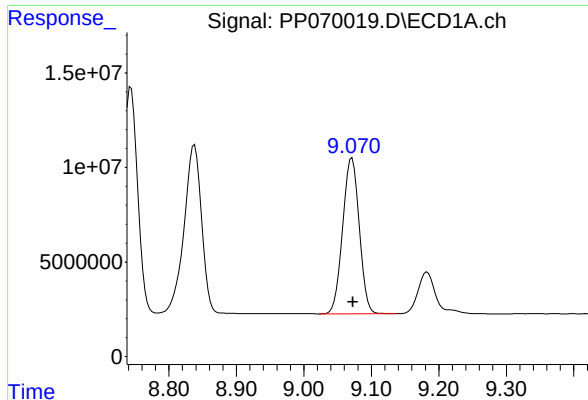
#42 AR-1268-2

R.T.: 8.838 min
Delta R.T.: -0.001 min
Response: 162697797
Conc: 966.67 ng/ml



#42 AR-1268-2

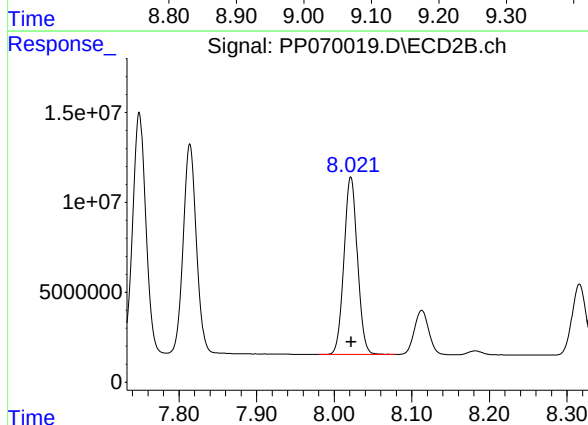
R.T.: 7.814 min
Delta R.T.: 0.000 min
Response: 139528496
Conc: 1016.20 ng/ml



#43 AR-1268-3

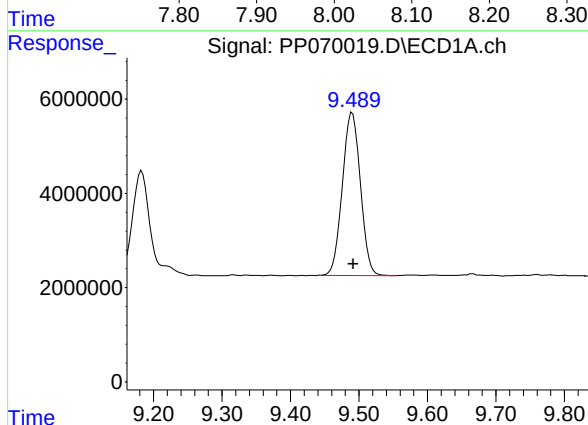
R.T.: 9.071 min
Delta R.T.: -0.002 min
Response: 141621356
Conc: 974.10 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC1000



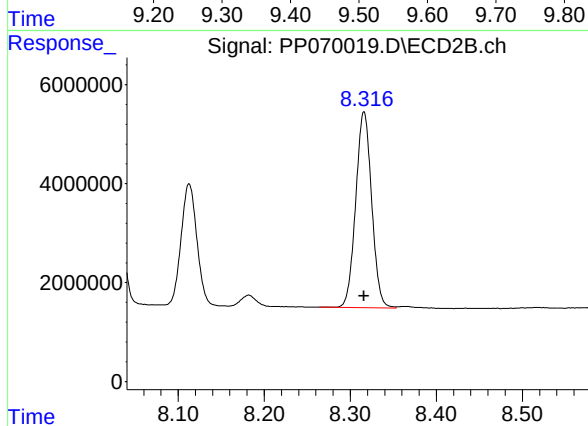
#43 AR-1268-3

R.T.: 8.022 min
Delta R.T.: 0.000 min
Response: 118669811
Conc: 985.05 ng/ml



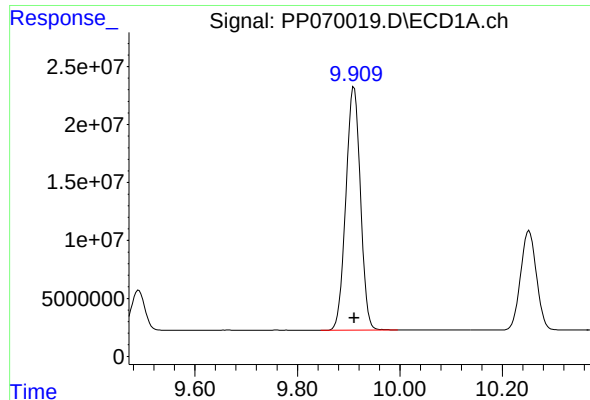
#44 AR-1268-4

R.T.: 9.490 min
Delta R.T.: -0.001 min
Response: 63392961
Conc: 985.01 ng/ml



#44 AR-1268-4

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 50956768
Conc: 963.01 ng/ml



#45 AR-1268-5

R.T.: 9.910 min

Delta R.T.: -0.001 min

Response: 414016384

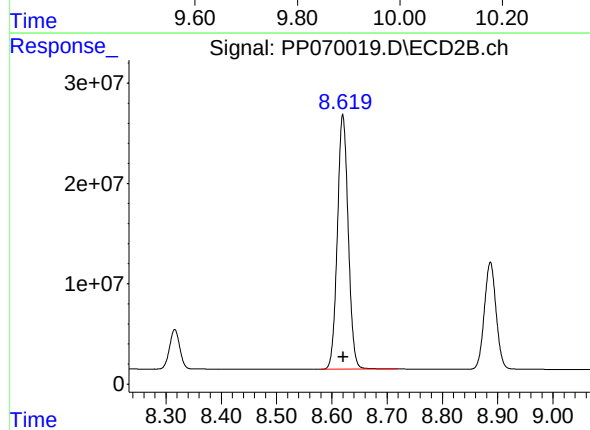
Conc: 989.68 ng/ml

Instrument :

ECD_P

ClientSampleId :

AR1268ICC1000



#45 AR-1268-5

R.T.: 8.620 min

Delta R.T.: 0.000 min

Response: 345492428

Conc: 1003.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 21:29
 Operator : YP\AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC750

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 04:26:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 04:25:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.830	103.2E6	64166467	67.333	64.432m
2) SA Decachlor...	10.254	8.887	137.1E6	125.3E6	71.547	74.298
Target Compounds						
41) L9 AR-1268-1	8.746	7.750	138.6E6	118.3E6	715.609	741.494
42) L9 AR-1268-2	8.840	7.815	119.7E6	102.9E6	711.321	749.564
43) L9 AR-1268-3	9.073	8.022	102.9E6	86951030	707.478	721.763
44) L9 AR-1268-4	9.492	8.317	45213739	37616870	702.540	710.904
45) L9 AR-1268-5	9.911	8.622	301.0E6	264.8E6	719.439	769.421

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:29
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1268ICC750

Manual Integrations

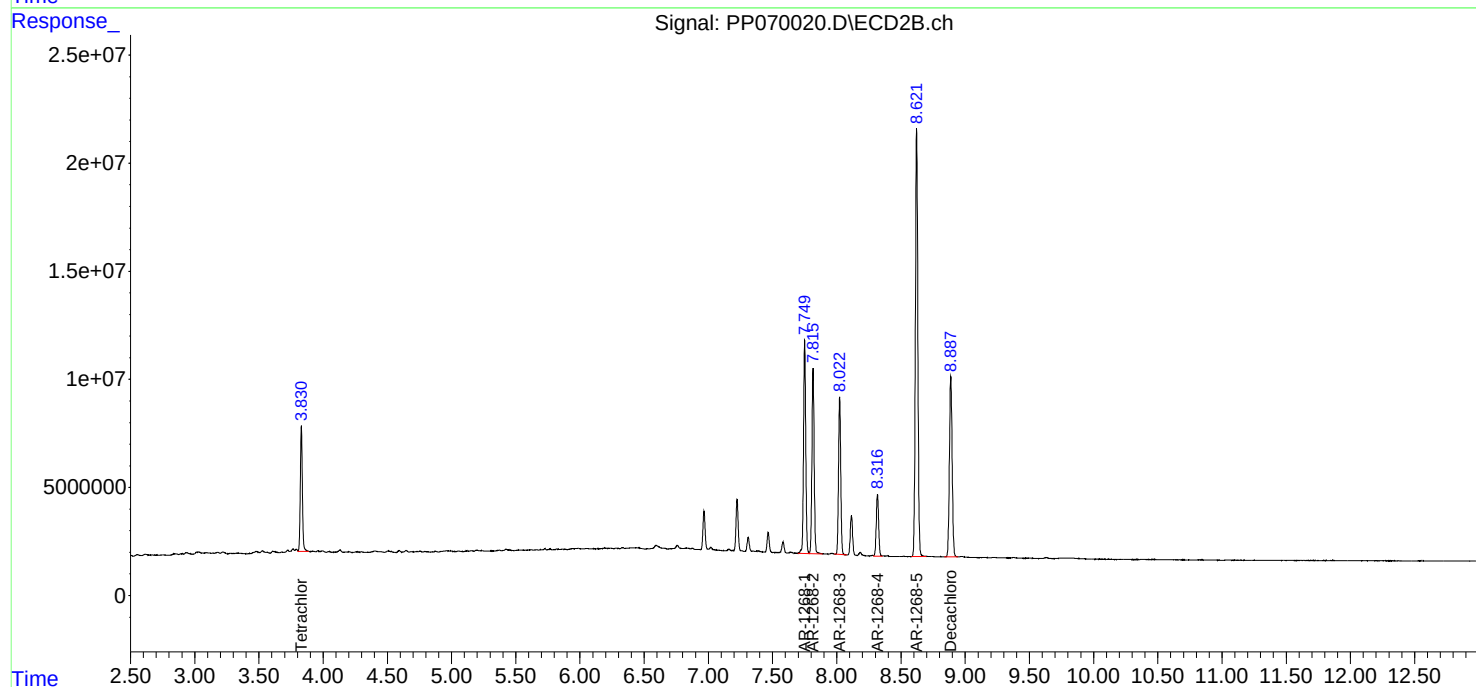
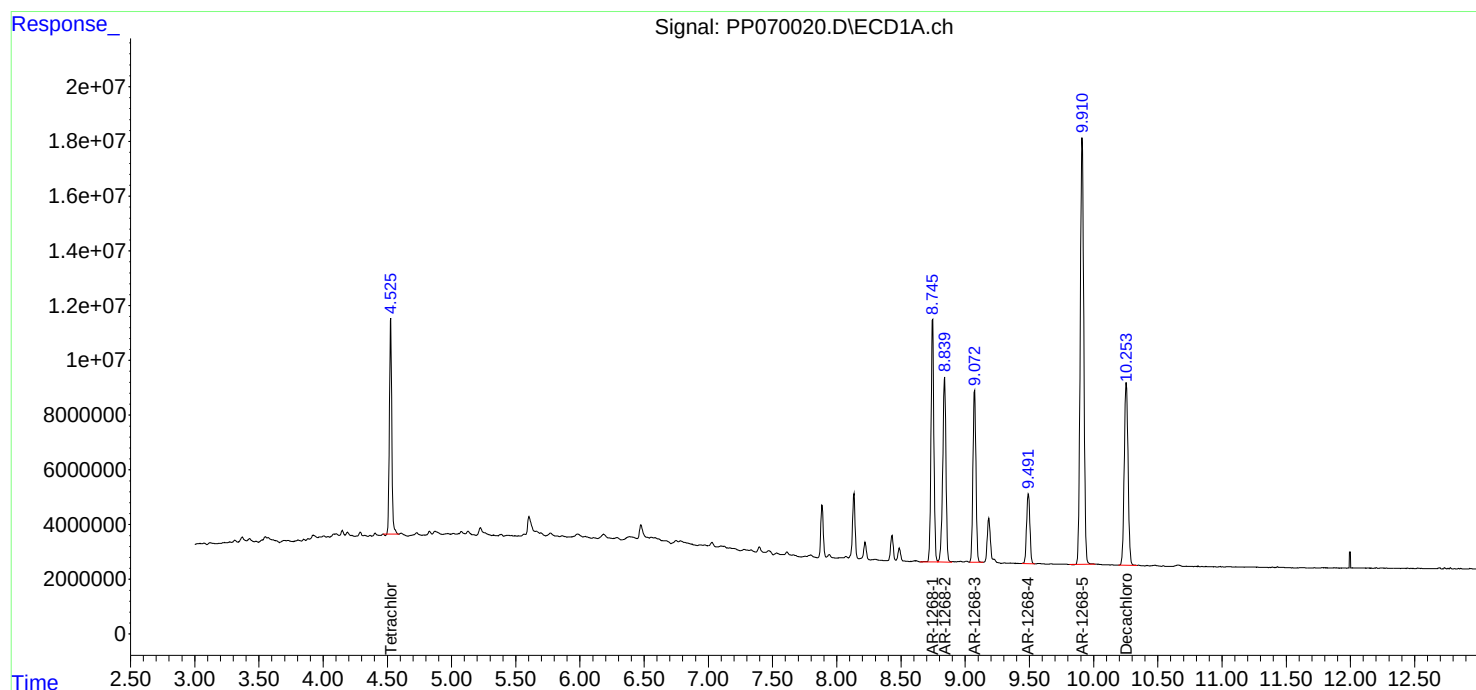
APPROVED

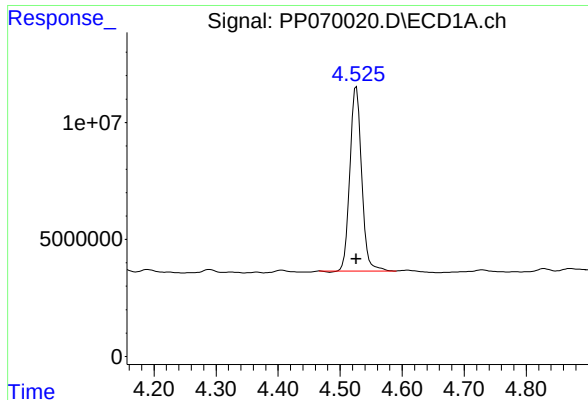
Reviewed By :Yogesh Patel 02/25/2025

Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 103201349
Conc: 67.33 ng/ml

Instrument :

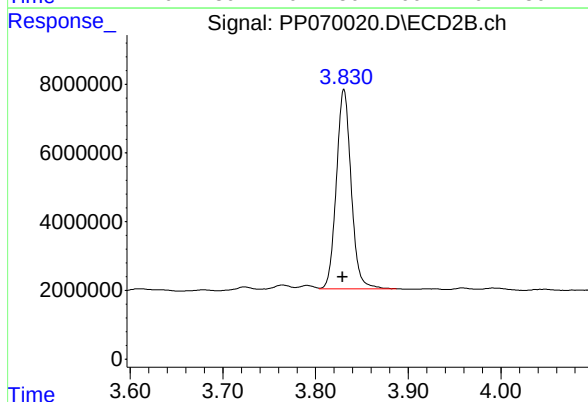
ECD_P

ClientSampleId :

AR1268ICC750

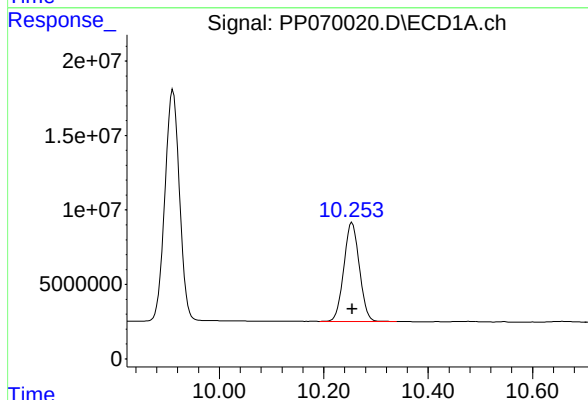
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



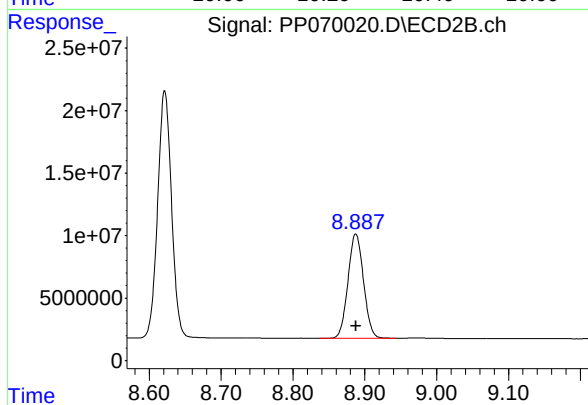
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 64166467
Conc: 64.43 ng/ml



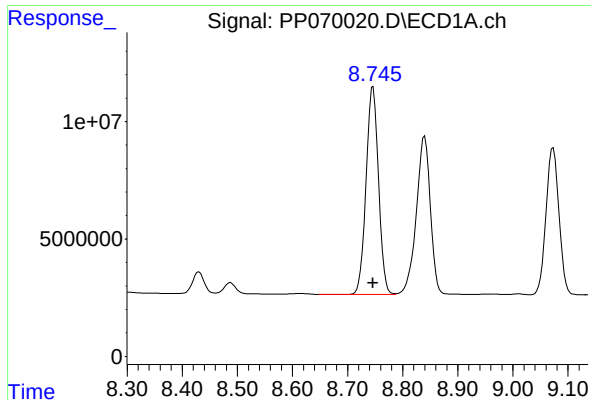
#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: 0.000 min
Response: 137120935
Conc: 71.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 125324212
Conc: 74.30 ng/ml



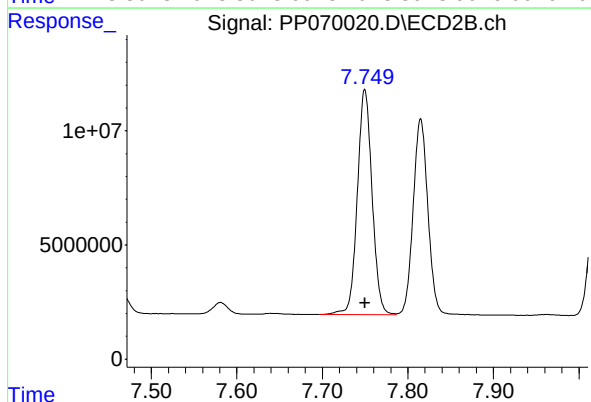
#41 AR-1268-1

R.T.: 8.746 min
Delta R.T.: 0.000 min
Response: 138562138
Conc: 715.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

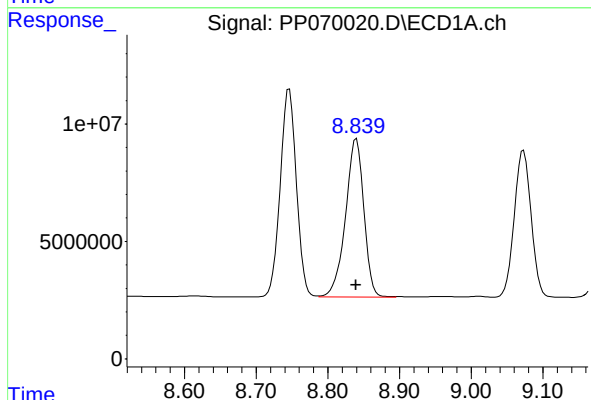
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



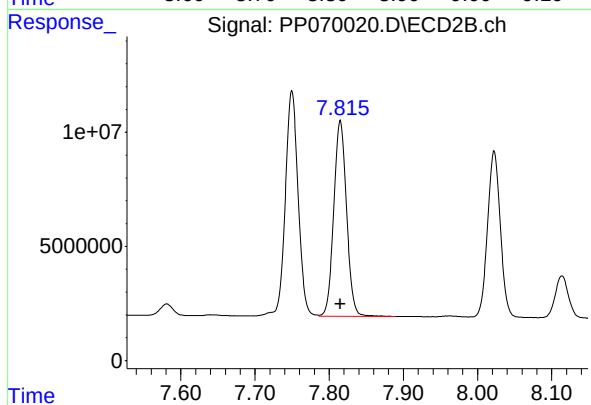
#41 AR-1268-1

R.T.: 7.750 min
Delta R.T.: 0.000 min
Response: 118319583
Conc: 741.49 ng/ml



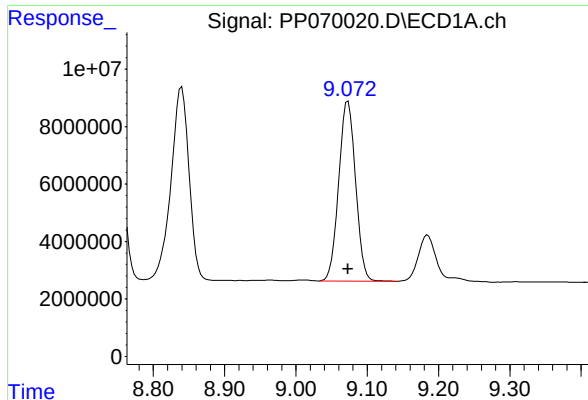
#42 AR-1268-2

R.T.: 8.840 min
Delta R.T.: 0.000 min
Response: 119720560
Conc: 711.32 ng/ml



#42 AR-1268-2

R.T.: 7.815 min
Delta R.T.: 0.000 min
Response: 102918371
Conc: 749.56 ng/ml



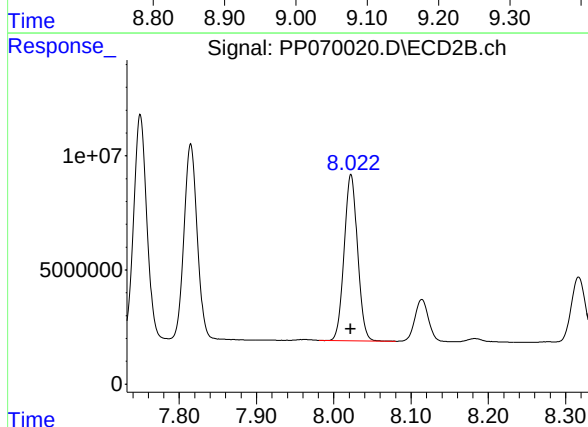
#43 AR-1268-3

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 102857887
Conc: 707.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

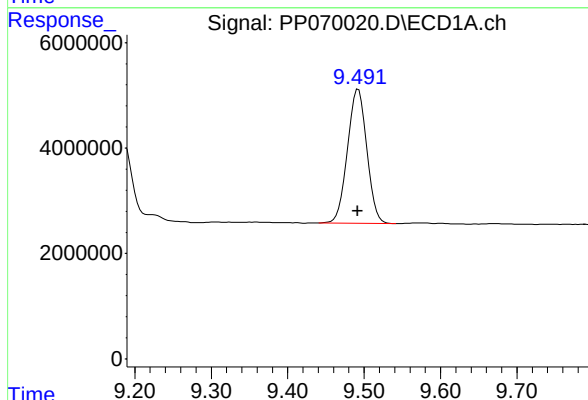
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



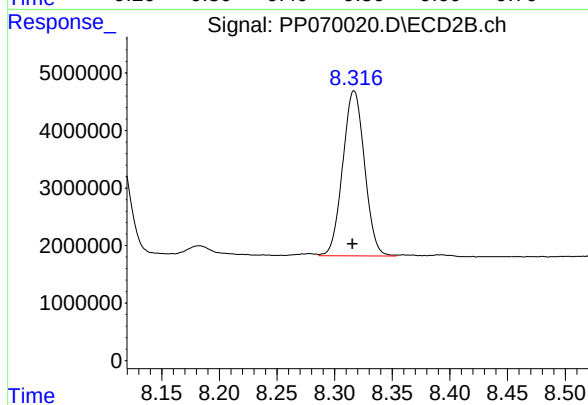
#43 AR-1268-3

R.T.: 8.022 min
Delta R.T.: 0.000 min
Response: 86951030
Conc: 721.76 ng/ml



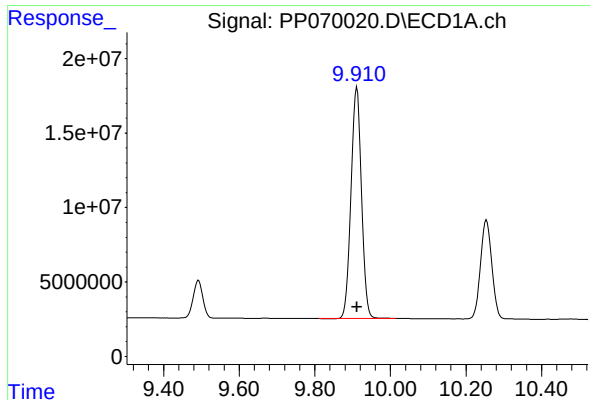
#44 AR-1268-4

R.T.: 9.492 min
Delta R.T.: 0.000 min
Response: 45213739
Conc: 702.54 ng/ml



#44 AR-1268-4

R.T.: 8.317 min
Delta R.T.: 0.001 min
Response: 37616870
Conc: 710.90 ng/ml



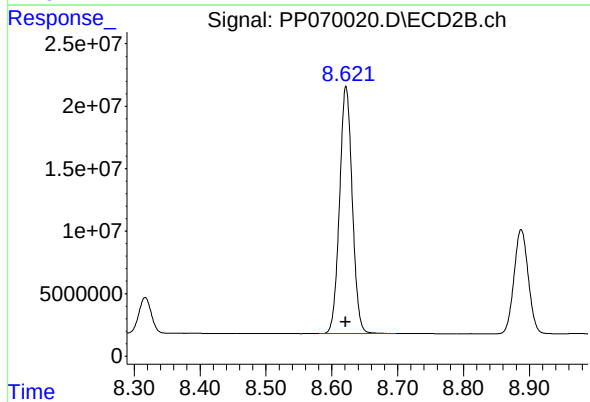
#45 AR-1268-5

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 300965315
Conc: 719.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#45 AR-1268-5

R.T.: 8.622 min
Delta R.T.: 0.000 min
Response: 264796784
Conc: 769.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:45
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.829	76635577	49794264	50.000	50.000
2) SA Decachlor...	10.255	8.888	95825115	84338967	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.746	7.750	96814174	79784563	500.000	500.000
42) L9 AR-1268-2	8.839	7.815	84153700	68652177	500.000	500.000
43) L9 AR-1268-3	9.073	8.022	72693325	60235182	500.000	500.000
44) L9 AR-1268-4	9.492	8.316	32178787	26457057	500.000	500.000
45) L9 AR-1268-5	9.911	8.621	209.2E6	172.1E6	500.000	500.000

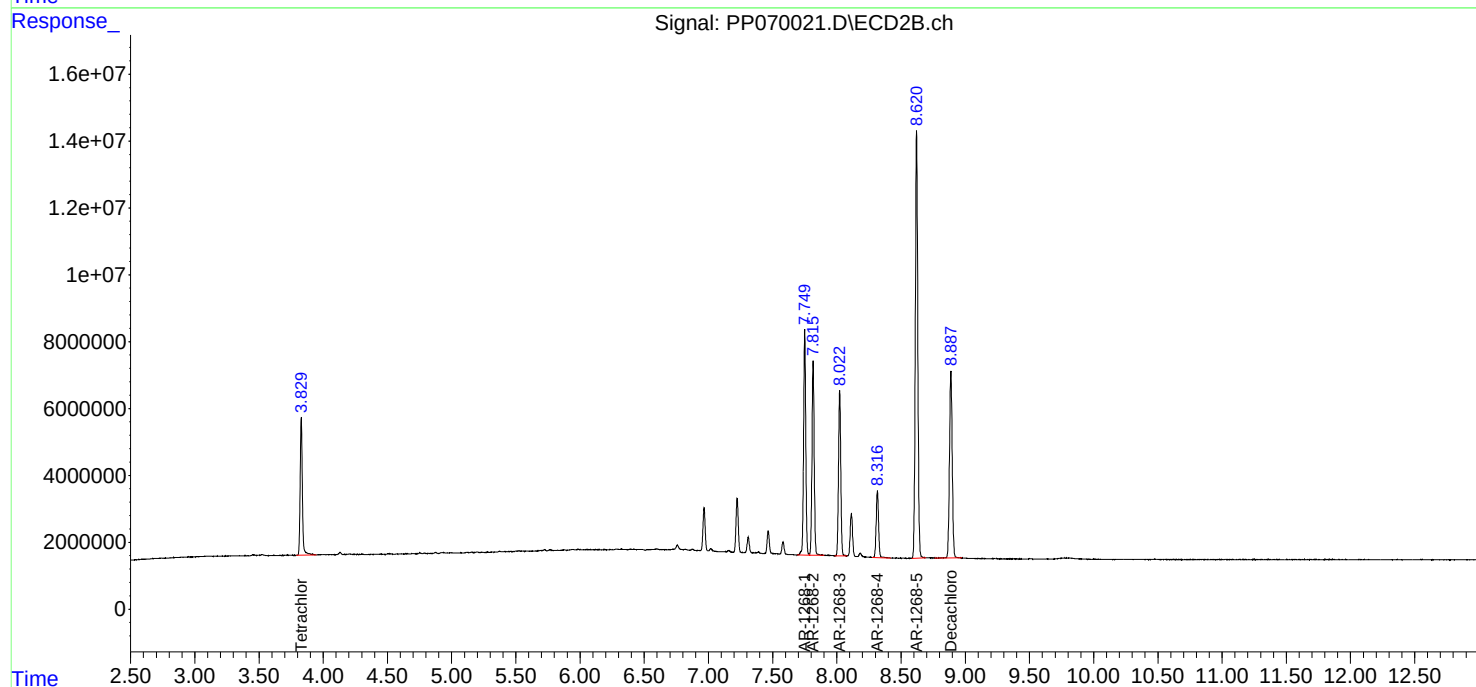
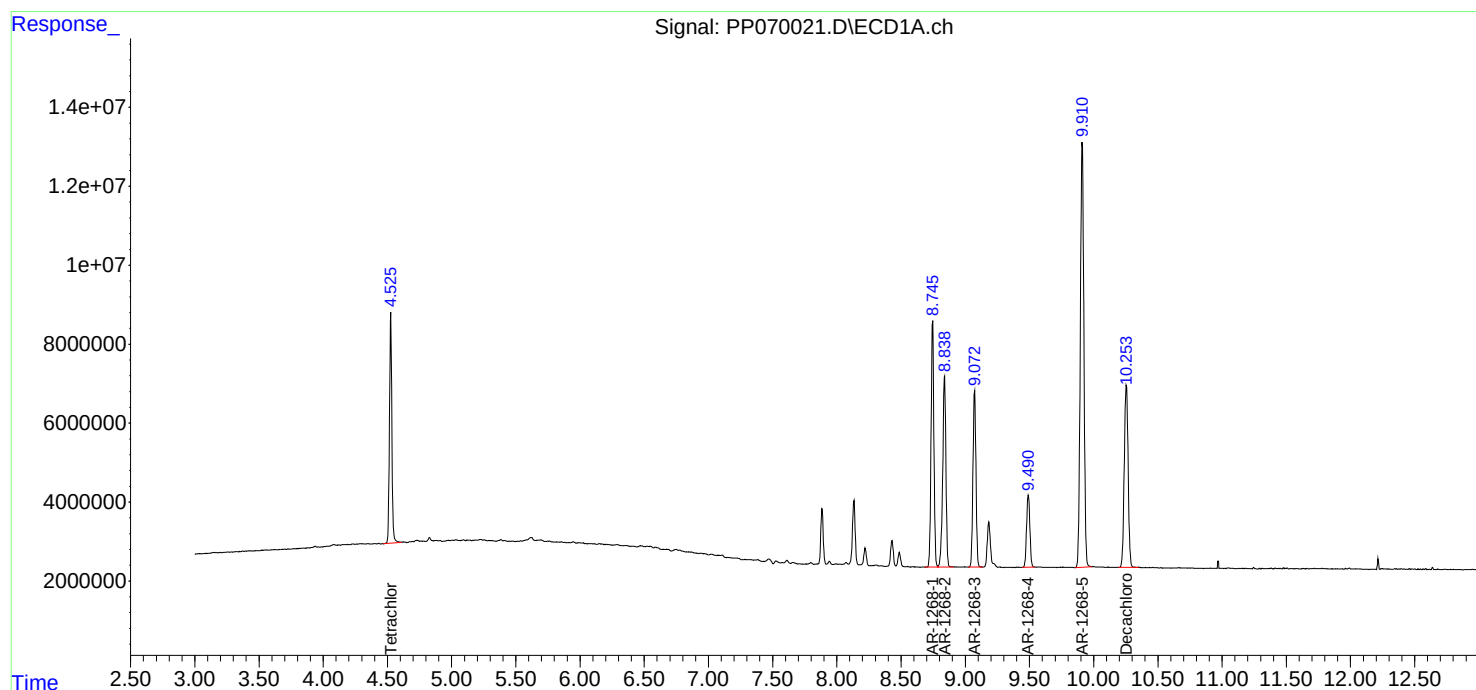
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

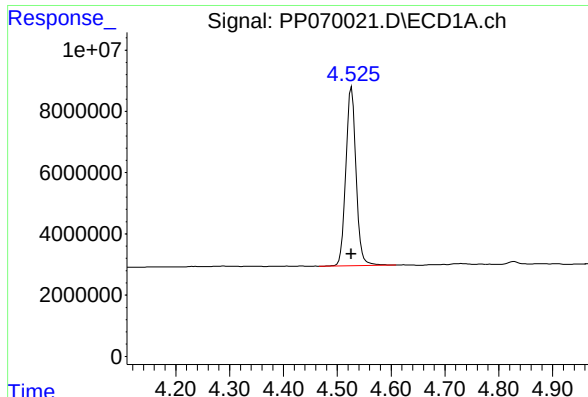
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 21:45
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:26:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

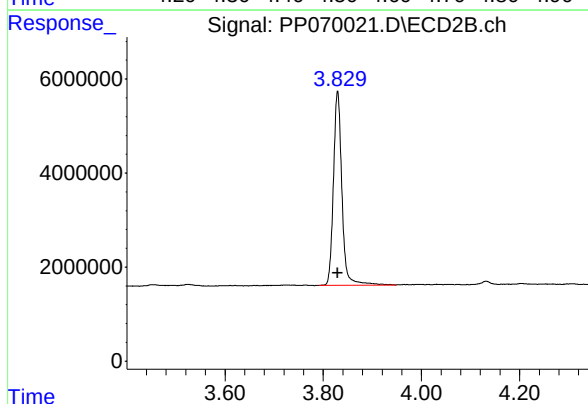




#1 Tetrachloro-m-xylene

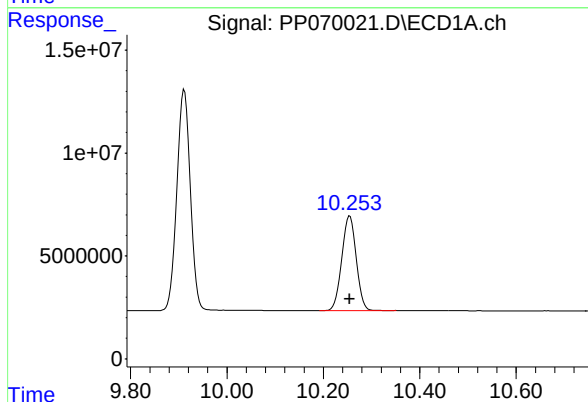
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 76635577
Conc: 50.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



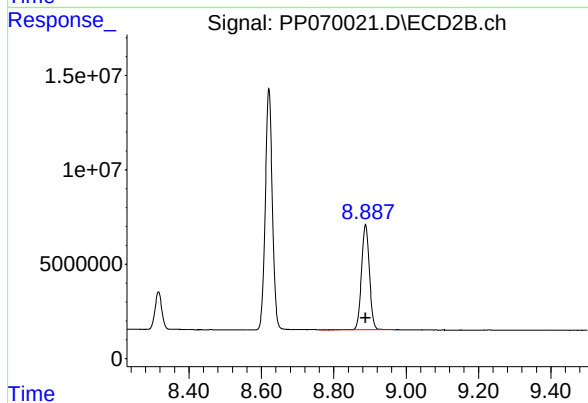
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 49794264
Conc: 50.00 ng/ml



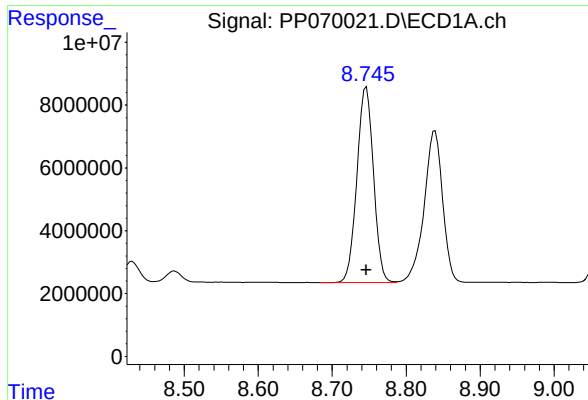
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 95825115
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

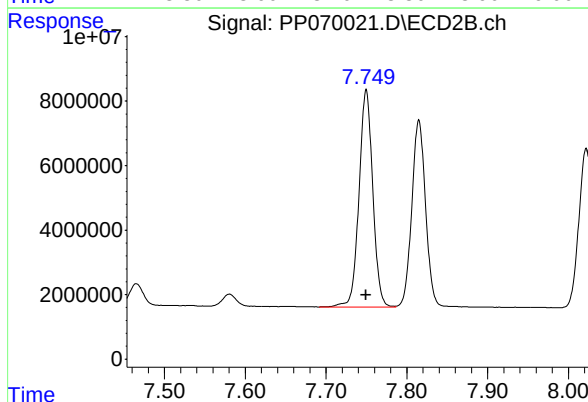
R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 84338967
Conc: 50.00 ng/ml



#41 AR-1268-1

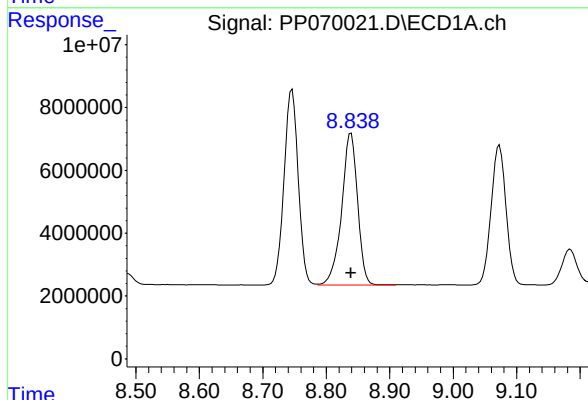
R.T.: 8.746 min
Delta R.T.: 0.000 min
Response: 96814174
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



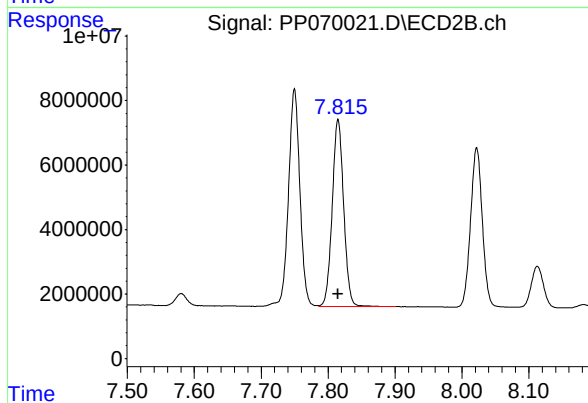
#41 AR-1268-1

R.T.: 7.750 min
Delta R.T.: 0.000 min
Response: 79784563
Conc: 500.00 ng/ml



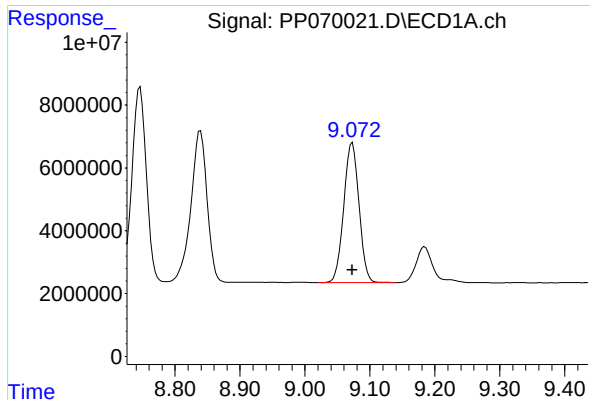
#42 AR-1268-2

R.T.: 8.839 min
Delta R.T.: 0.000 min
Response: 84153700
Conc: 500.00 ng/ml



#42 AR-1268-2

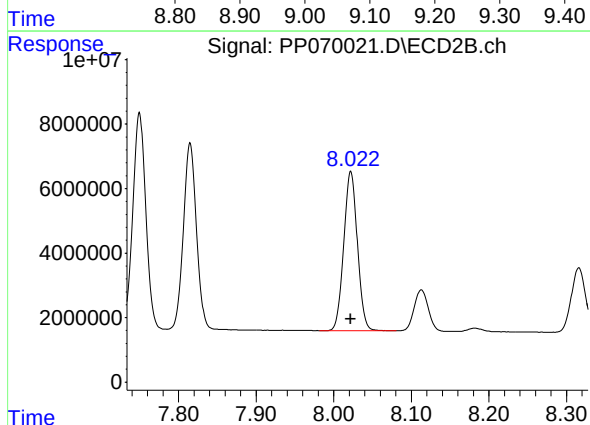
R.T.: 7.815 min
Delta R.T.: 0.000 min
Response: 68652177
Conc: 500.00 ng/ml



#43 AR-1268-3

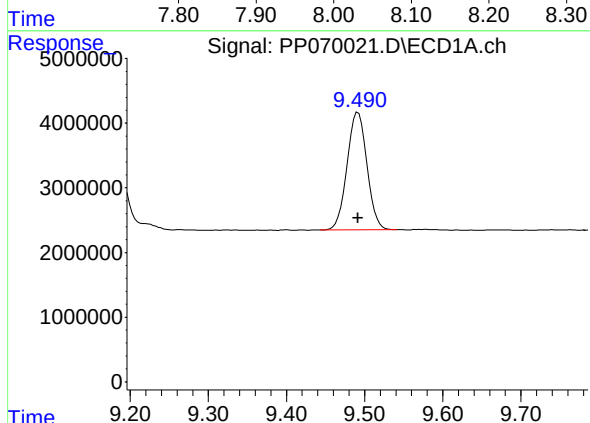
R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 72693325
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



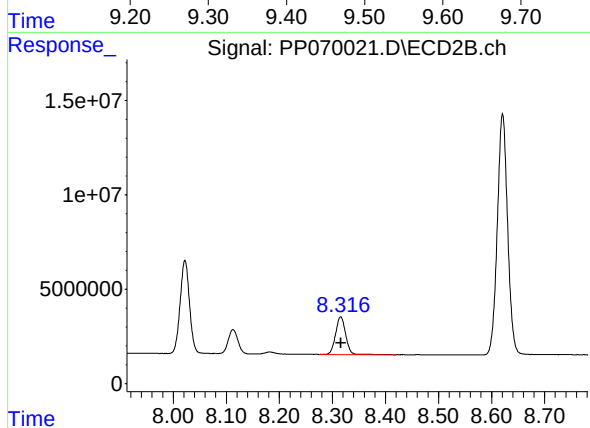
#43 AR-1268-3

R.T.: 8.022 min
Delta R.T.: 0.000 min
Response: 60235182
Conc: 500.00 ng/ml



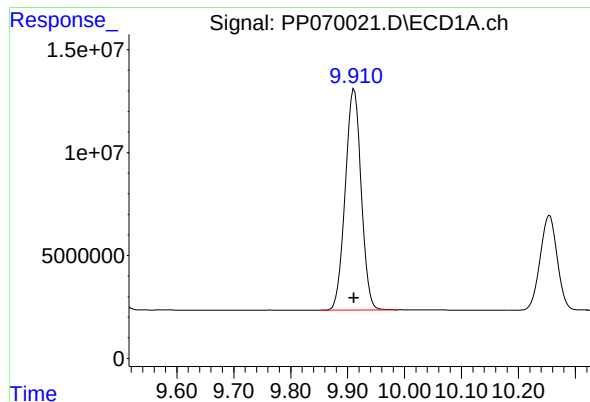
#44 AR-1268-4

R.T.: 9.492 min
Delta R.T.: 0.000 min
Response: 32178787
Conc: 500.00 ng/ml



#44 AR-1268-4

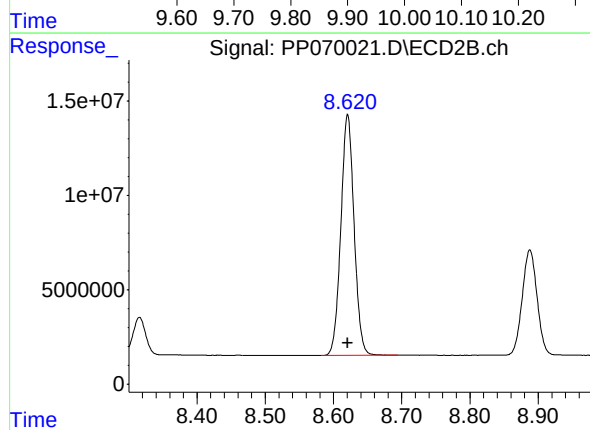
R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 26457057
Conc: 500.00 ng/ml



#45 AR-1268-5

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 209166689
Conc: 500.00 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC500



#45 AR-1268-5

R.T.: 8.621 min
Delta R.T.: 0.000 min
Response: 172075246
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 22:01
 Operator : YP\AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC250

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 04:27:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 04:25:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.524	3.829	40528443	26907341	26.442	27.019
2) SA Decachlor...	10.253	8.886	50783887	44782319	26.498	26.549
Target Compounds						
41) L9 AR-1268-1	8.743	7.749	51712877	42629022	267.073	267.151
42) L9 AR-1268-2	8.837	7.813	44323419	36635586	263.348	266.820
43) L9 AR-1268-3	9.070	8.021	38318414	32440426	263.562	269.281
44) L9 AR-1268-4	9.489	8.314	16742549	14453634	260.149	273.153m
45) L9 AR-1268-5	9.908	8.619	111.0E6	91654966	265.452	266.322

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:01
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1268ICC250

Manual Integrations

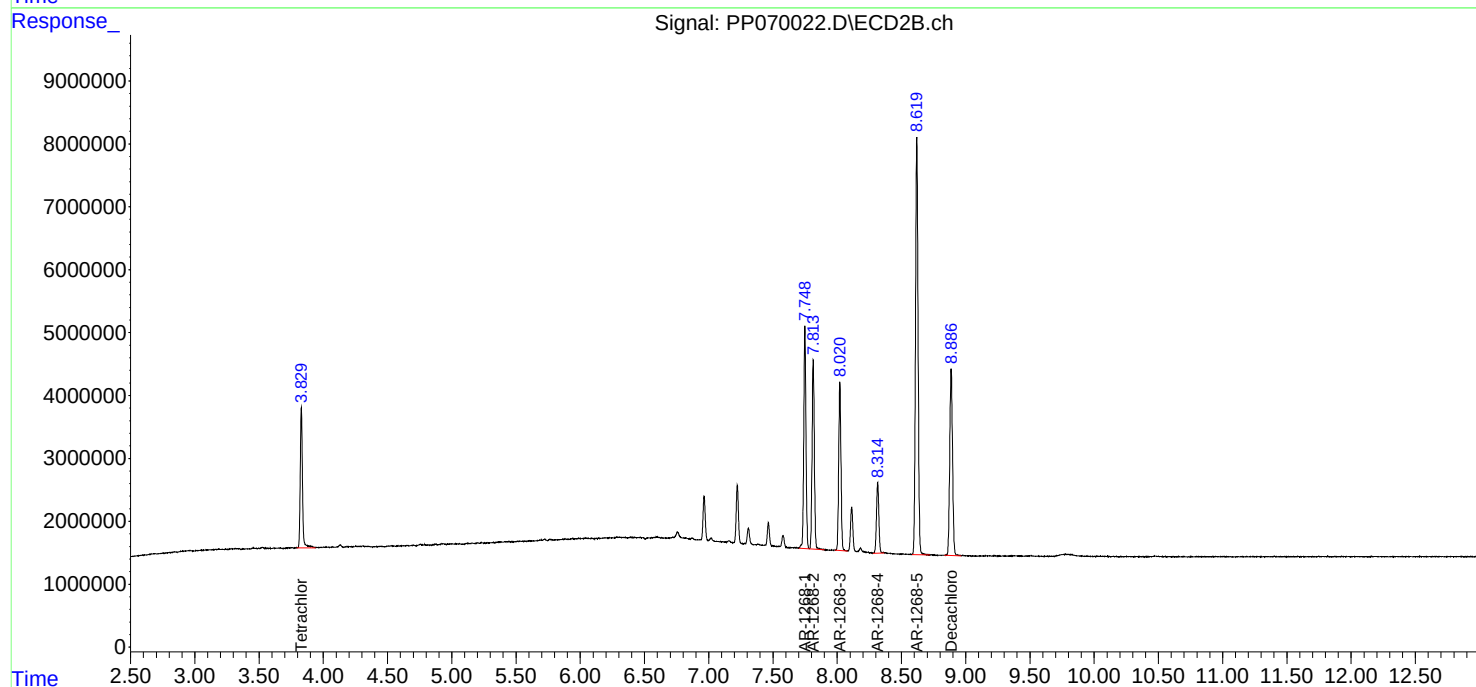
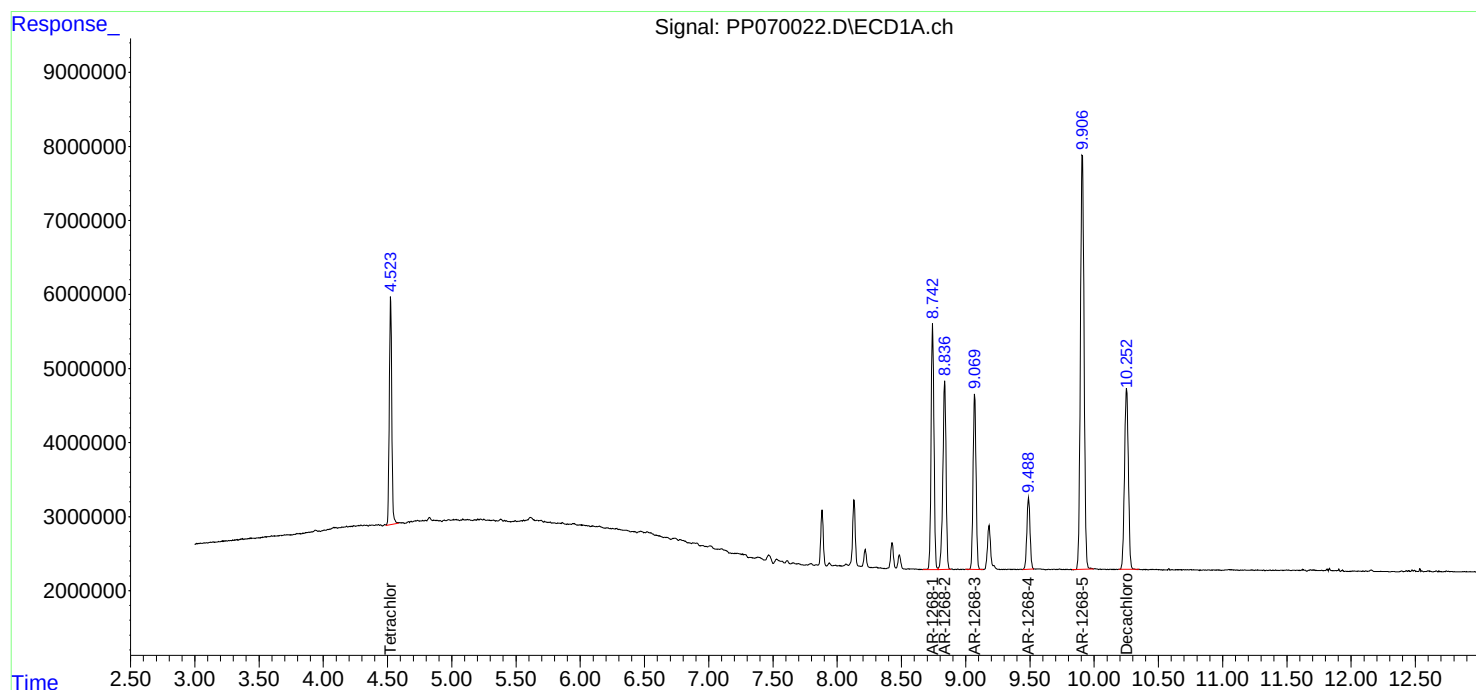
APPROVED

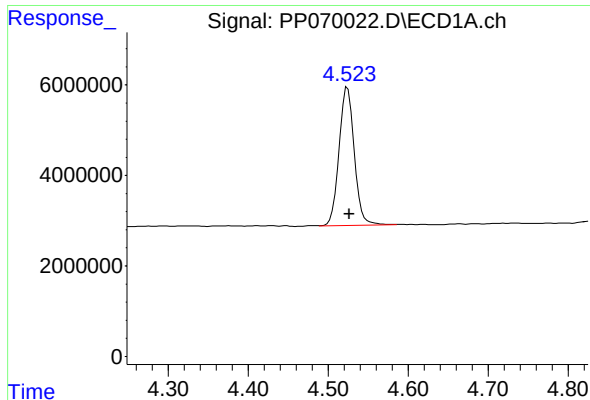
Reviewed By :Yogesh Patel 02/25/2025

Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





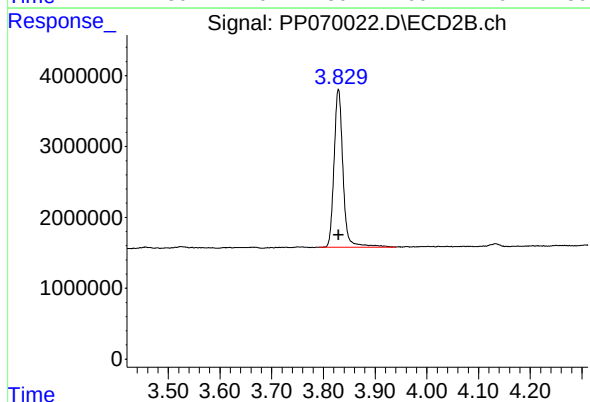
#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 40528443
Conc: 26.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

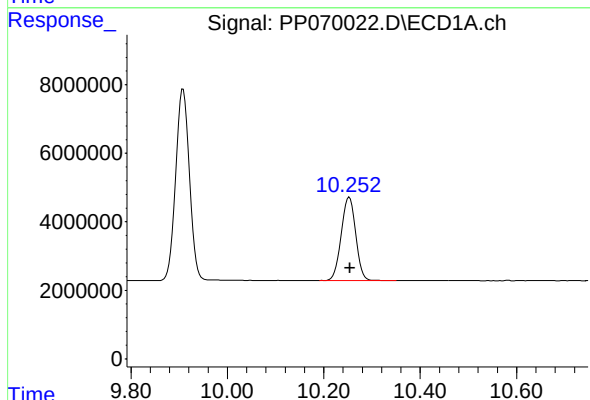
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



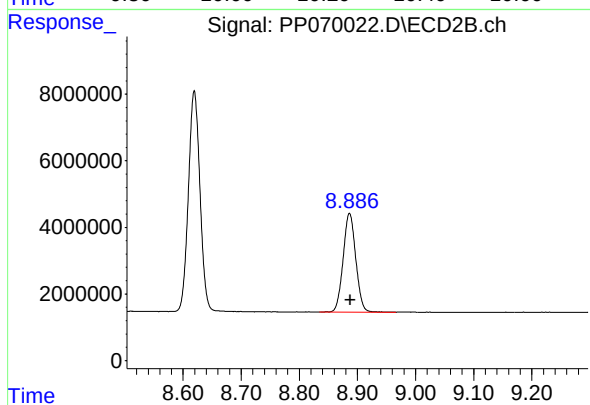
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 26907341
Conc: 27.02 ng/ml



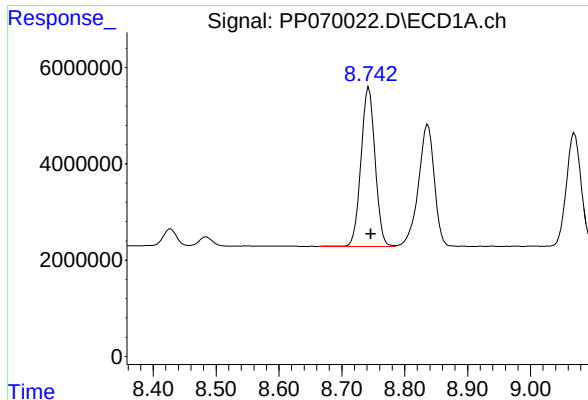
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.002 min
Response: 50783887
Conc: 26.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.886 min
Delta R.T.: -0.001 min
Response: 44782319
Conc: 26.55 ng/ml



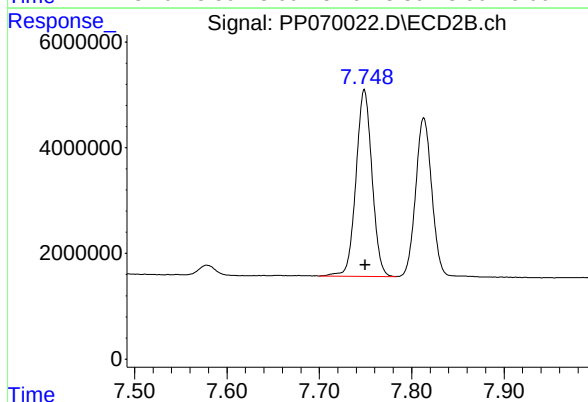
#41 AR-1268-1

R.T.: 8.743 min
Delta R.T.: -0.003 min
Response: 51712877
Conc: 267.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

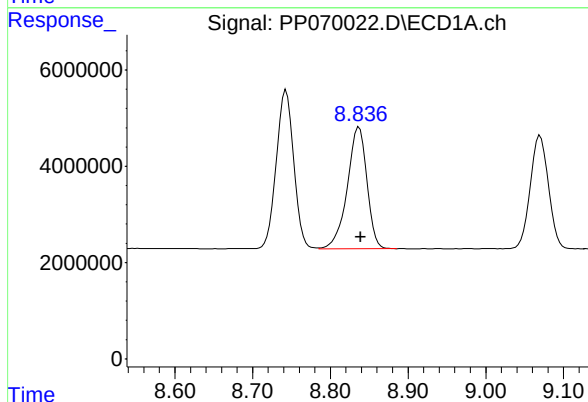
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



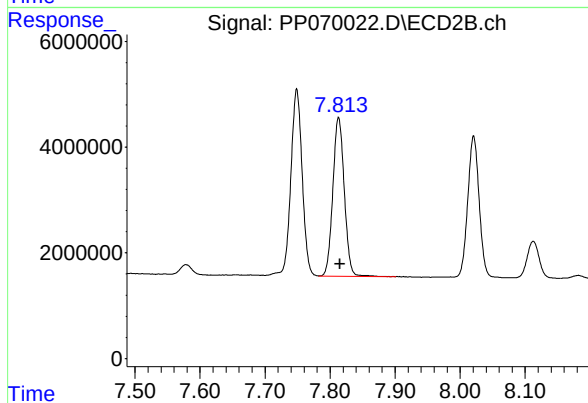
#41 AR-1268-1

R.T.: 7.749 min
Delta R.T.: -0.001 min
Response: 42629022
Conc: 267.15 ng/ml



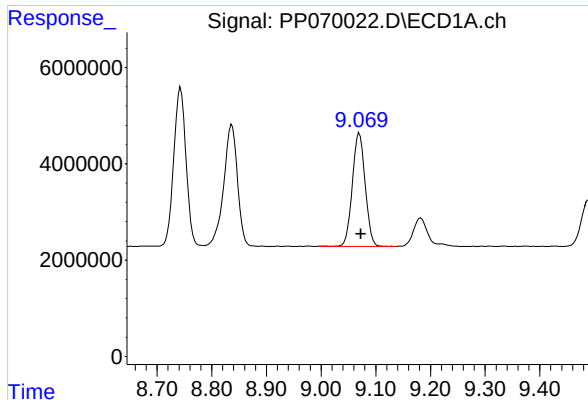
#42 AR-1268-2

R.T.: 8.837 min
Delta R.T.: -0.002 min
Response: 44323419
Conc: 263.35 ng/ml



#42 AR-1268-2

R.T.: 7.813 min
Delta R.T.: -0.002 min
Response: 36635586
Conc: 266.82 ng/ml



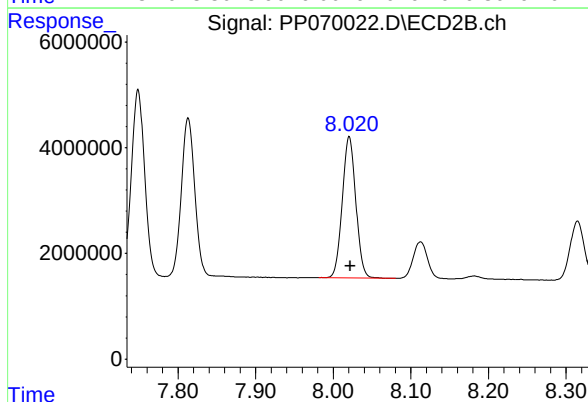
#43 AR-1268-3

R.T.: 9.070 min
Delta R.T.: -0.003 min
Response: 38318414
Conc: 263.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

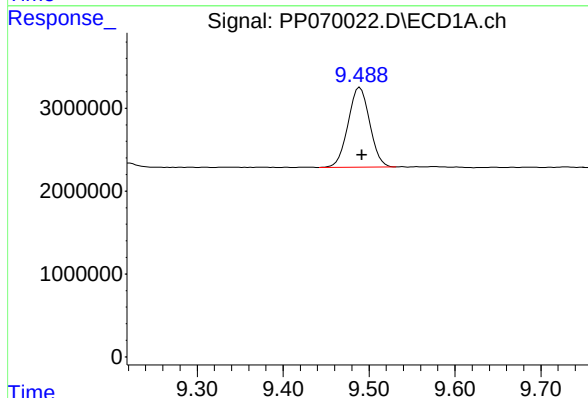
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



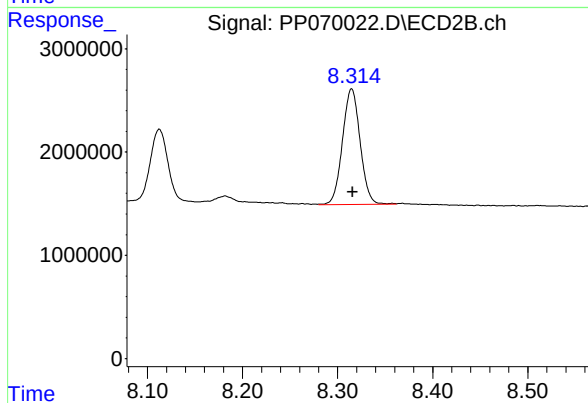
#43 AR-1268-3

R.T.: 8.021 min
Delta R.T.: -0.001 min
Response: 32440426
Conc: 269.28 ng/ml



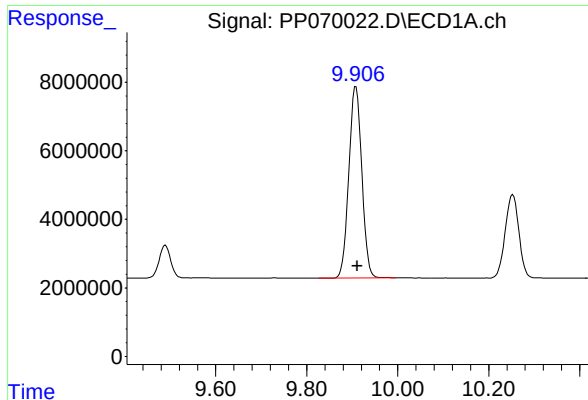
#44 AR-1268-4

R.T.: 9.489 min
Delta R.T.: -0.002 min
Response: 16742549
Conc: 260.15 ng/ml



#44 AR-1268-4

R.T.: 8.314 min
Delta R.T.: -0.001 min
Response: 14453634
Conc: 273.15 ng/ml m



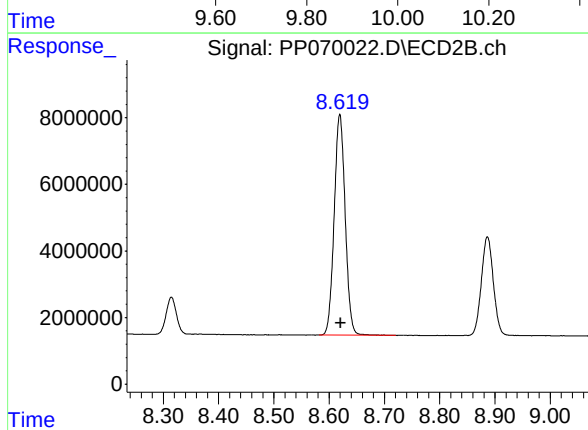
#45 AR-1268-5

R.T.: 9.908 min
Delta R.T.: -0.003 min
Response: 111047458
Conc: 265.45 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC250

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#45 AR-1268-5

R.T.: 8.619 min
Delta R.T.: -0.001 min
Response: 91654966
Conc: 266.32 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
 Data File : PP070023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2025 22:17
 Operator : YP\AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/25/2025
 Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 25 04:27:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 04:25:33 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.829	7085617	5173632	4.623m	5.195
2) SA Decachlor...	10.255	8.887	9239297	9411578	4.821	5.580
Target Compounds						
41) L9 AR-1268-1	8.746	7.750	9340209	9030797	48.238	56.595
42) L9 AR-1268-2	8.839	7.814	8000010	8230405	47.532	59.943 #
43) L9 AR-1268-3	9.073	8.022	7004739	6374268	48.180	52.912
44) L9 AR-1268-4	9.491	8.316	3012016	2704202	46.801	51.105
45) L9 AR-1268-5	9.911	8.620	20088796	18338625	48.021	53.287

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:17
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1268ICC050

Manual Integrations

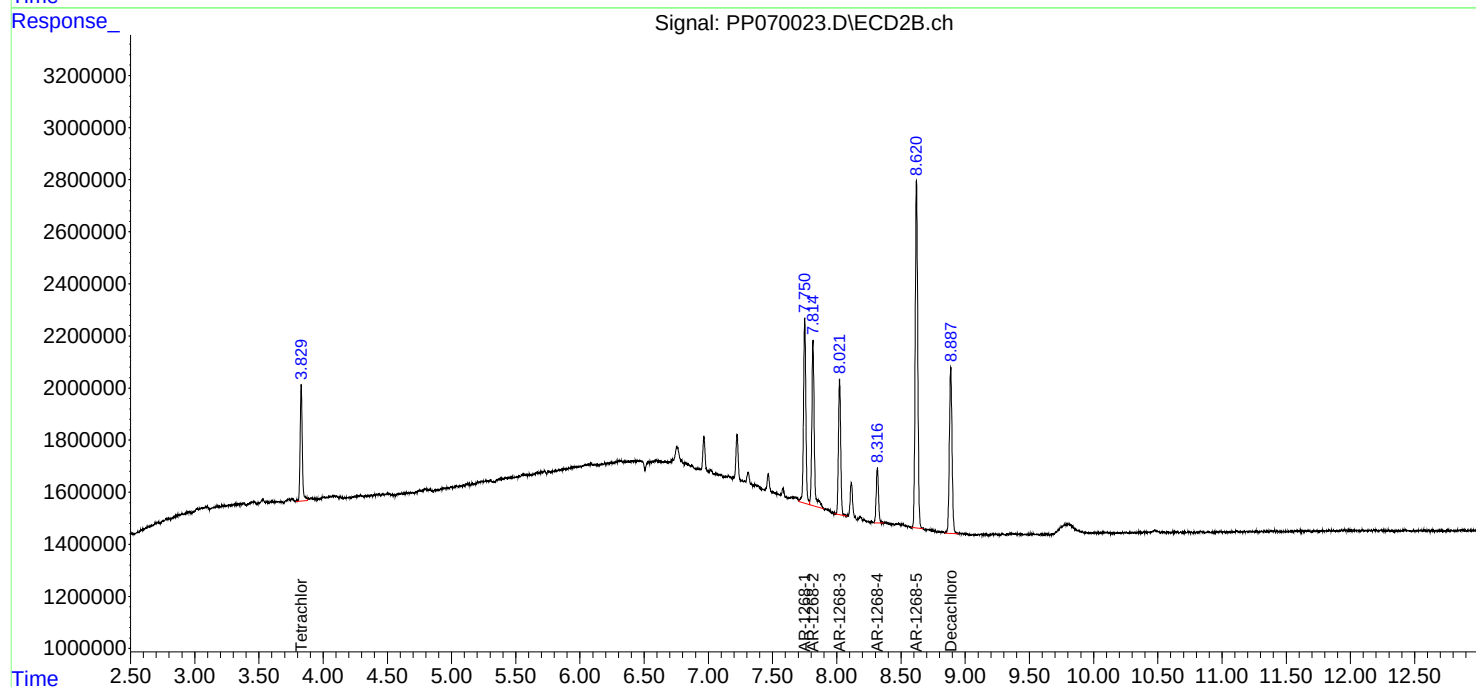
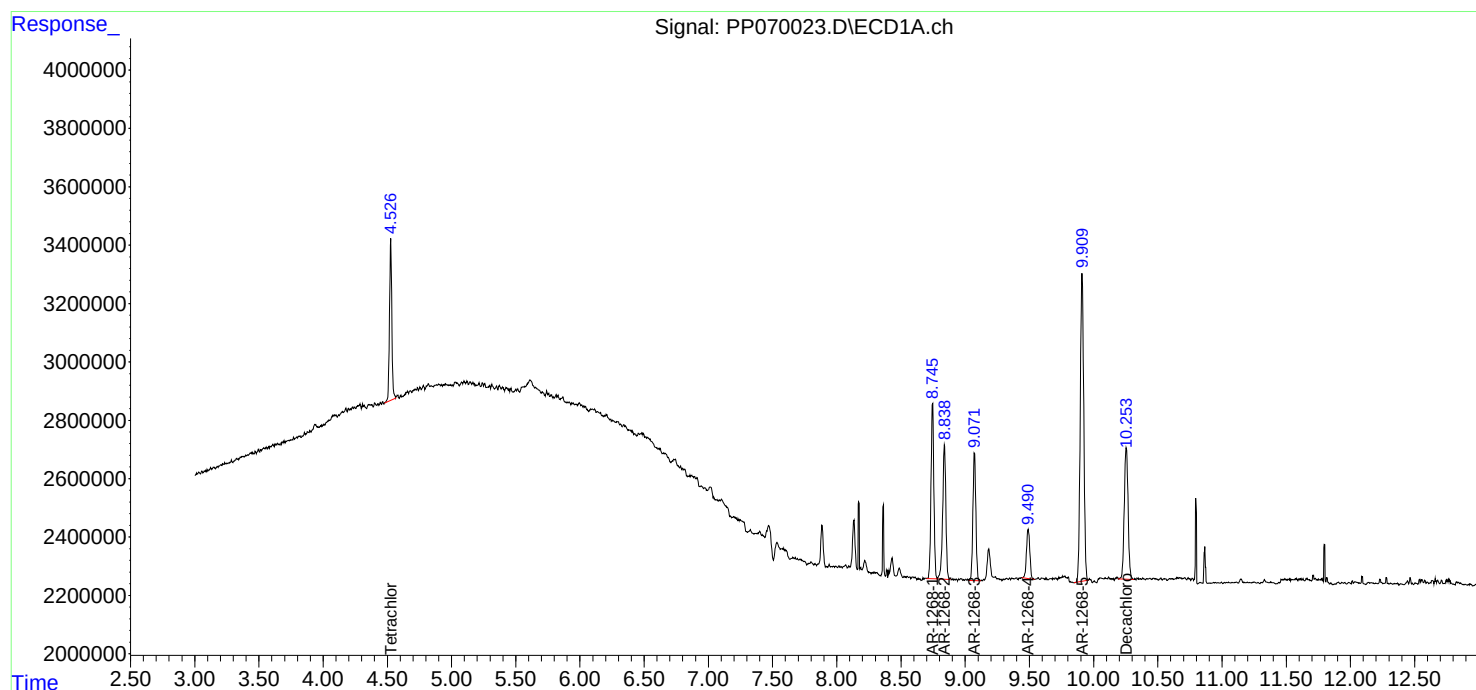
APPROVED

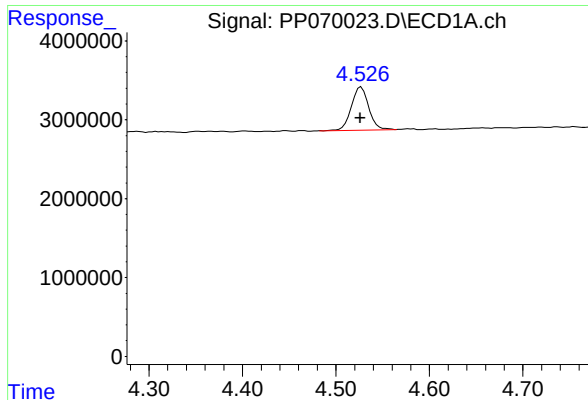
Reviewed By :Yogesh Patel 02/25/2025

Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





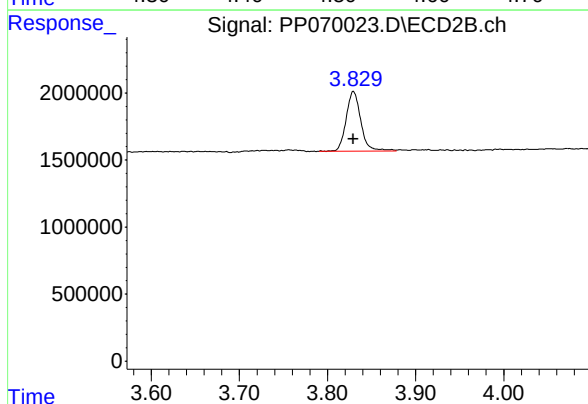
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 7085617
Conc: 4.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

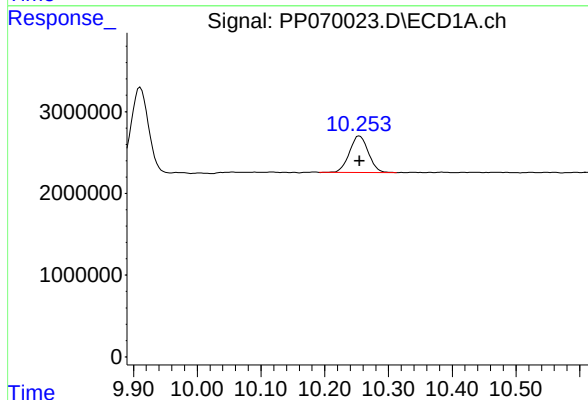
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



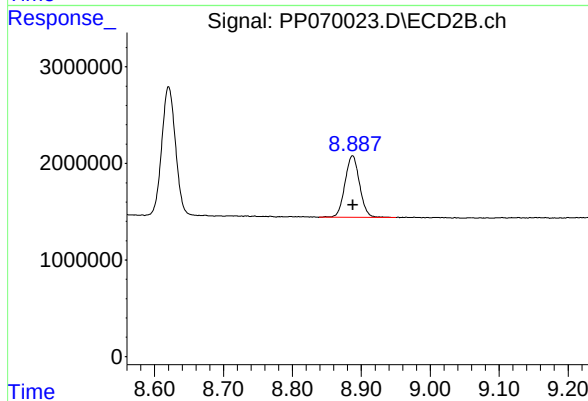
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 5173632
Conc: 5.20 ng/ml



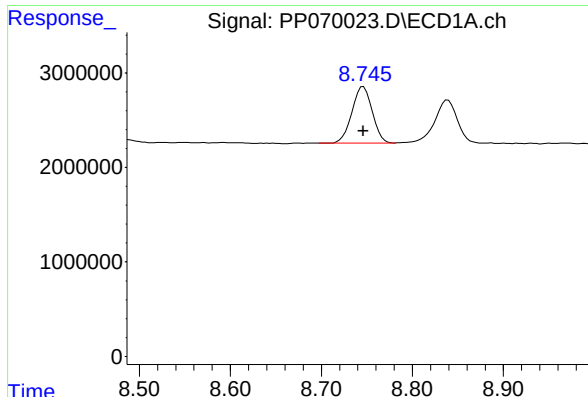
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 9239297
Conc: 4.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 9411578
Conc: 5.58 ng/ml



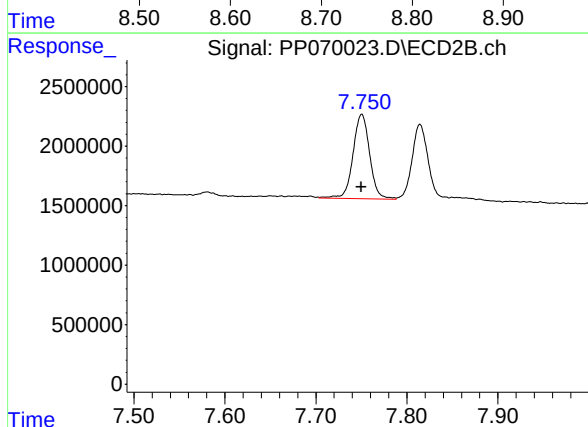
#41 AR-1268-1

R.T.: 8.746 min
Delta R.T.: 0.000 min
Response: 9340209
Conc: 48.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

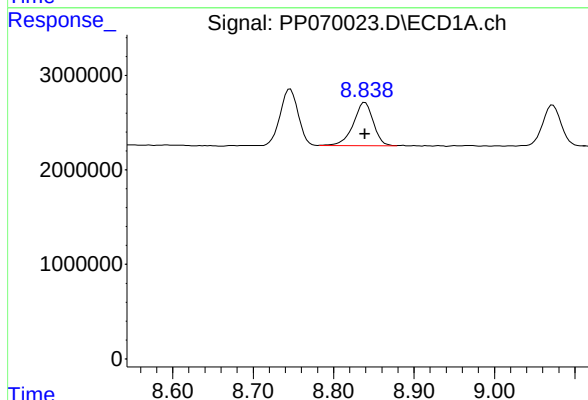
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



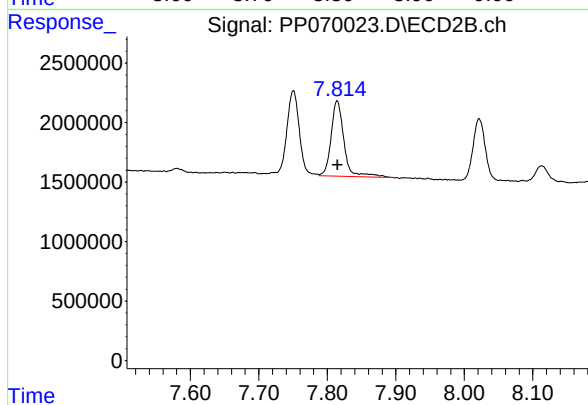
#41 AR-1268-1

R.T.: 7.750 min
Delta R.T.: 0.000 min
Response: 9030797
Conc: 56.59 ng/ml



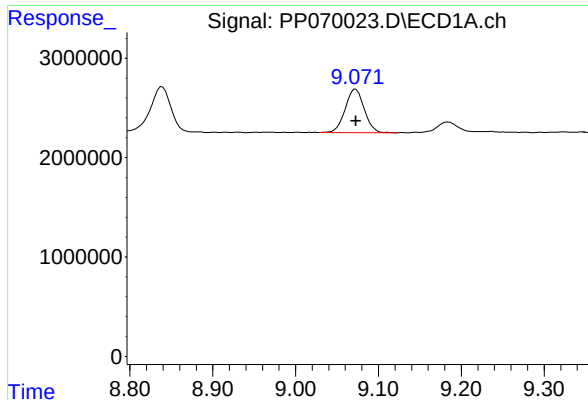
#42 AR-1268-2

R.T.: 8.839 min
Delta R.T.: 0.000 min
Response: 8000010
Conc: 47.53 ng/ml



#42 AR-1268-2

R.T.: 7.814 min
Delta R.T.: 0.000 min
Response: 8230405
Conc: 59.94 ng/ml



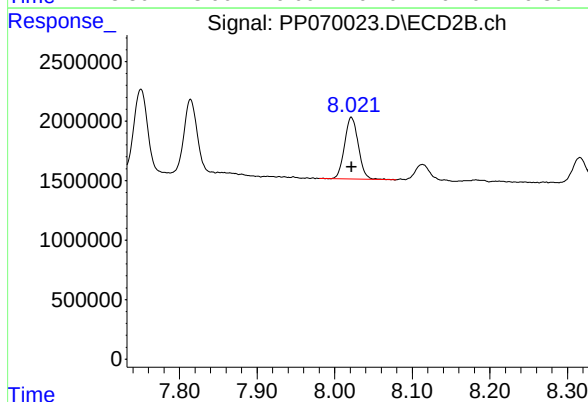
#43 AR-1268-3

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 7004739
Conc: 48.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

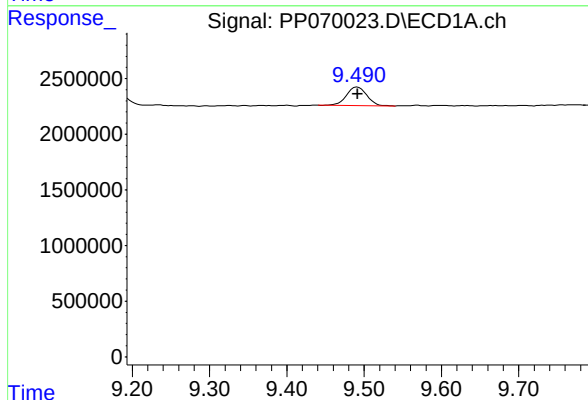
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



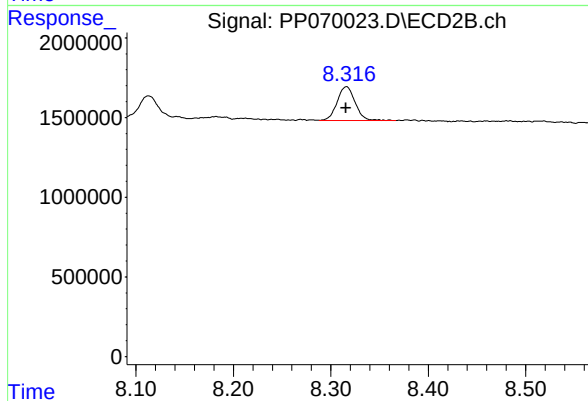
#43 AR-1268-3

R.T.: 8.022 min
Delta R.T.: 0.000 min
Response: 6374268
Conc: 52.91 ng/ml



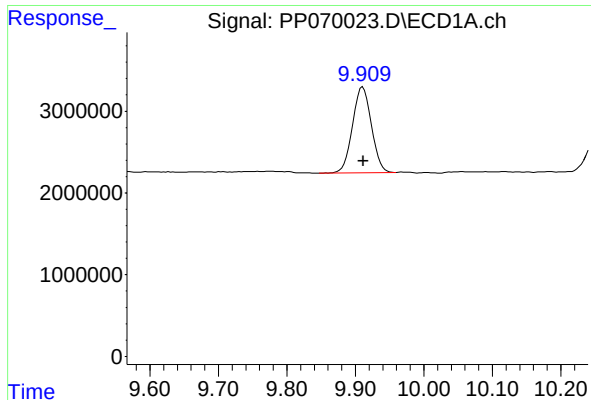
#44 AR-1268-4

R.T.: 9.491 min
Delta R.T.: 0.000 min
Response: 3012016
Conc: 46.80 ng/ml



#44 AR-1268-4

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 2704202
Conc: 51.11 ng/ml



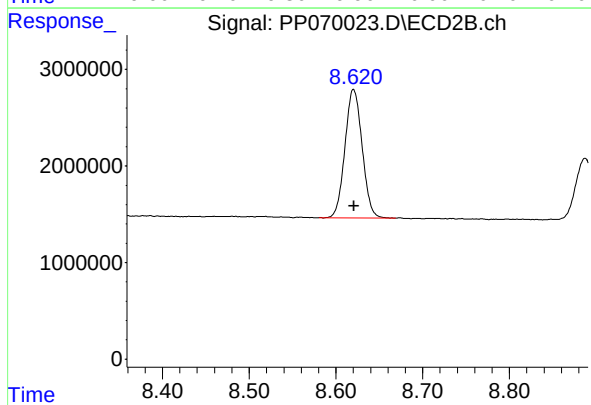
#45 AR-1268-5

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 20088796
Conc: 48.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#45 AR-1268-5

R.T.: 8.620 min
Delta R.T.: 0.000 min
Response: 18338625
Conc: 53.29 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:34
Operator : YP\AJ
Sample : PP022425ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:04:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.829	75692089	47027481	49.361	49.361
2) SA Decachlor...	10.254	8.887	59599251	53753406	51.134	48.069
Target Compounds						
3) L1 AR-1016-1	5.679	4.919	25666490	16486171	513.653	490.851
4) L1 AR-1016-2	5.701	4.938	36554541	22908896	500.808	487.588
5) L1 AR-1016-3	5.763	5.115	22601401	12562885	500.618	486.627
6) L1 AR-1016-4	5.861	5.157	18541854	10091335	493.666	490.219
7) L1 AR-1016-5	6.154	5.372	17442261	12977068	511.983	489.029
31) L7 AR-1260-1	7.274	6.410	30379600	25016847	511.537	504.877
32) L7 AR-1260-2	7.527	6.598	40230175	33434416	498.436	516.595
33) L7 AR-1260-3	7.886	6.753	32998196	28487900	515.501	497.510
34) L7 AR-1260-4	8.110	7.225	32484934	24115126	514.479	496.042
35) L7 AR-1260-5	8.431	7.466	68660770	59424903	509.333	496.894

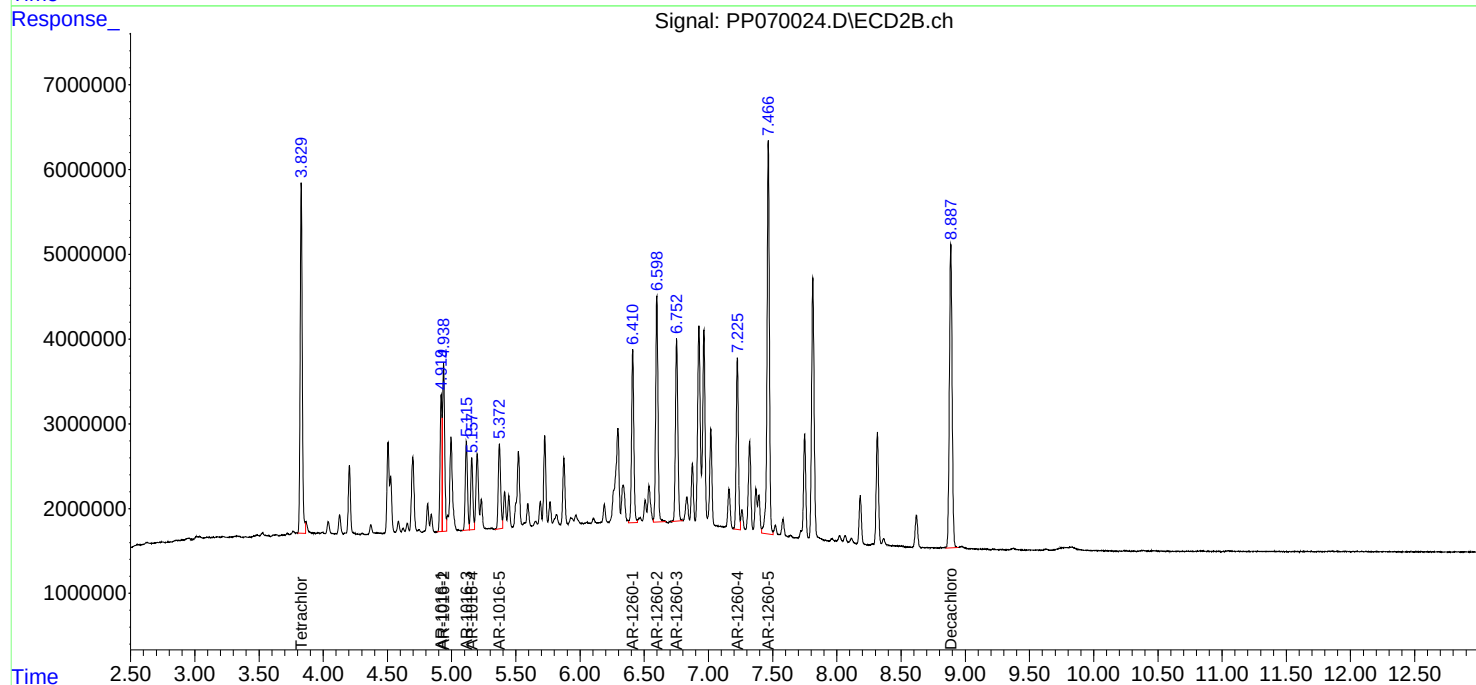
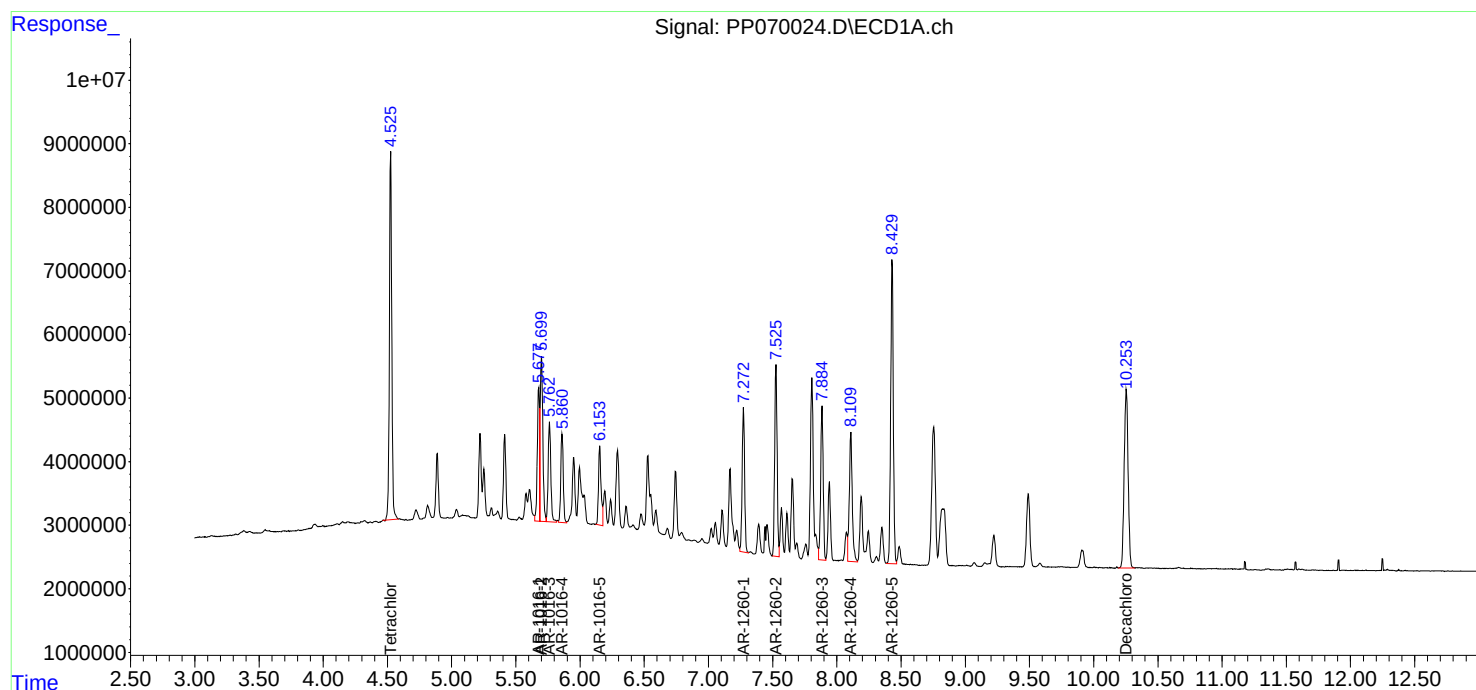
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

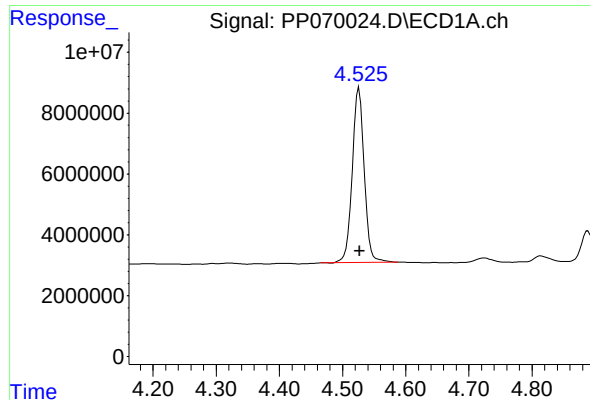
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:34
Operator : YP\AJ
Sample : PP022425ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:04:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:02:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

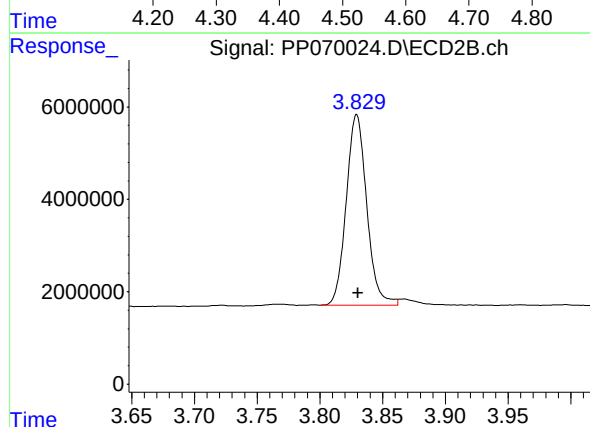




#1 Tetrachloro-m-xylene

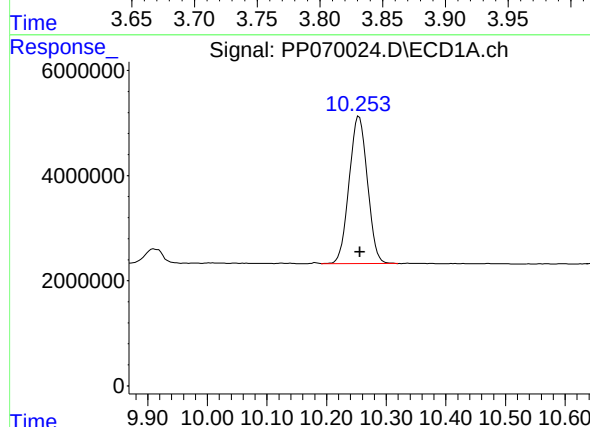
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 75692089
Conc: 49.36 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



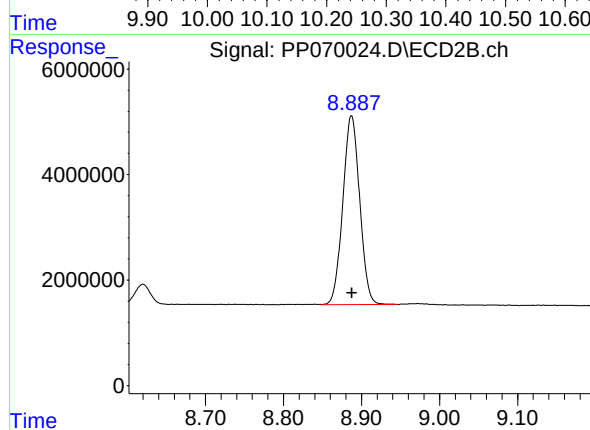
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 47027481
Conc: 49.36 ng/ml



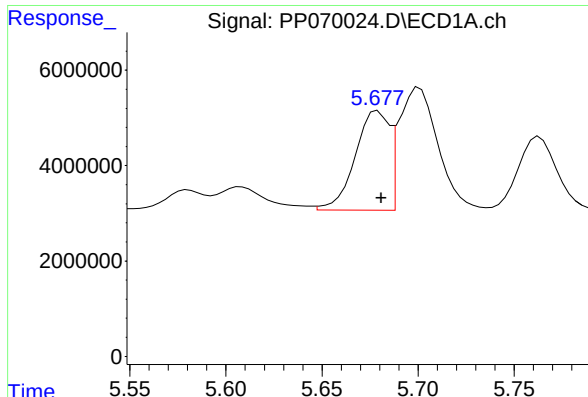
#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.002 min
Response: 59599251
Conc: 51.13 ng/ml



#2 Decachlorobiphenyl

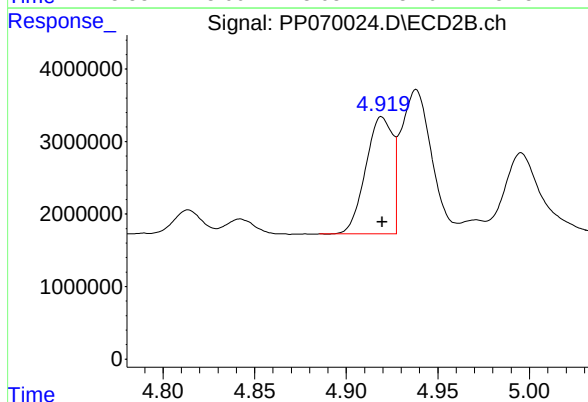
R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 53753406
Conc: 48.07 ng/ml



#3 AR-1016-1

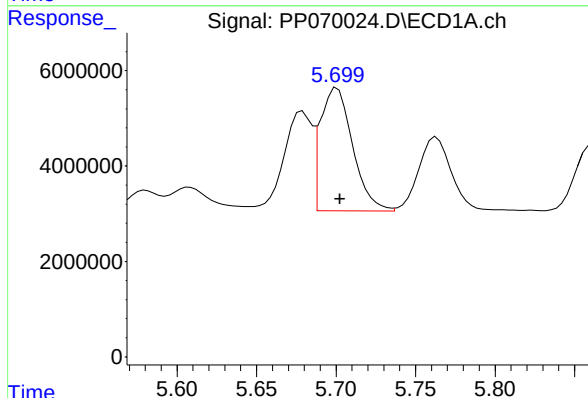
R.T.: 5.679 min
Delta R.T.: -0.002 min
Response: 25666490
Conc: 513.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



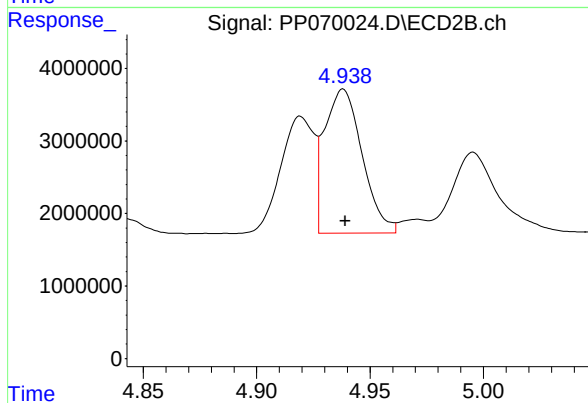
#3 AR-1016-1

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 16486171
Conc: 490.85 ng/ml



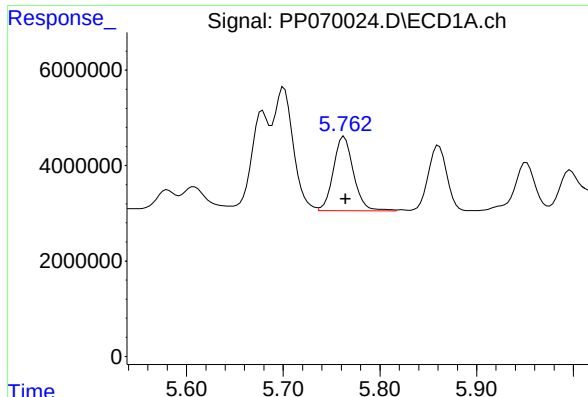
#4 AR-1016-2

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 36554541
Conc: 500.81 ng/ml



#4 AR-1016-2

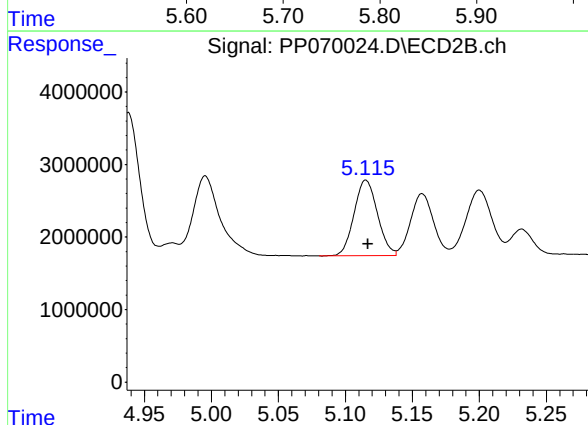
R.T.: 4.938 min
Delta R.T.: 0.000 min
Response: 22908896
Conc: 487.59 ng/ml



#5 AR-1016-3

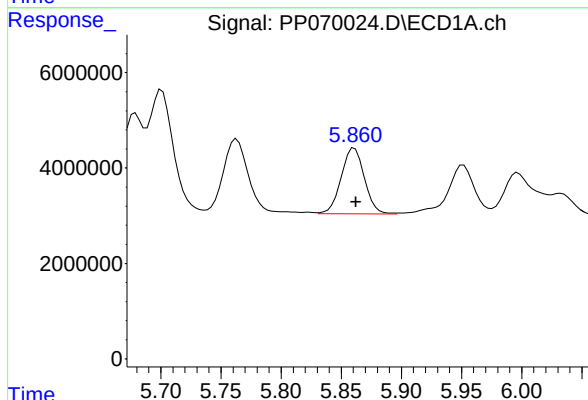
R.T.: 5.763 min
Delta R.T.: -0.002 min
Response: 22601401
Conc: 500.62 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



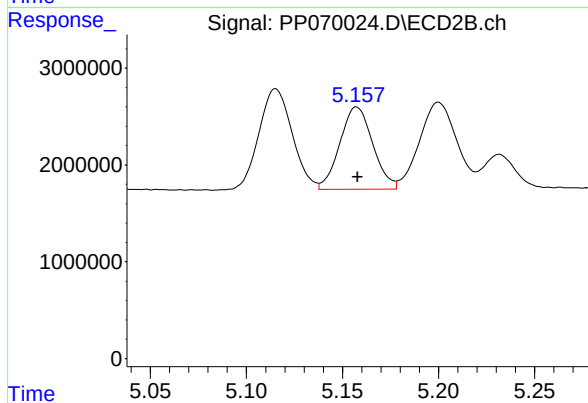
#5 AR-1016-3

R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 12562885
Conc: 486.63 ng/ml



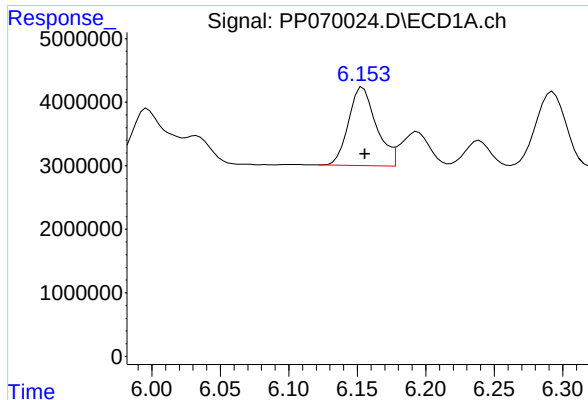
#6 AR-1016-4

R.T.: 5.861 min
Delta R.T.: -0.001 min
Response: 18541854
Conc: 493.67 ng/ml



#6 AR-1016-4

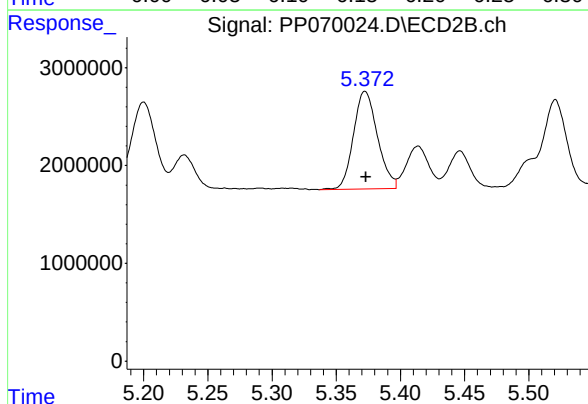
R.T.: 5.157 min
Delta R.T.: 0.000 min
Response: 10091335
Conc: 490.22 ng/ml



#7 AR-1016-5

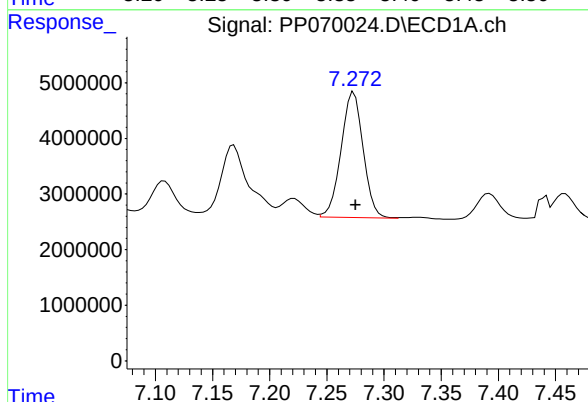
R.T.: 6.154 min
Delta R.T.: -0.001 min
Response: 17442261
Conc: 511.98 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



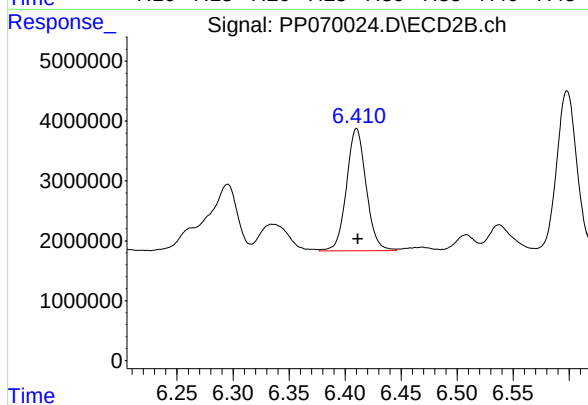
#7 AR-1016-5

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 12977068
Conc: 489.03 ng/ml



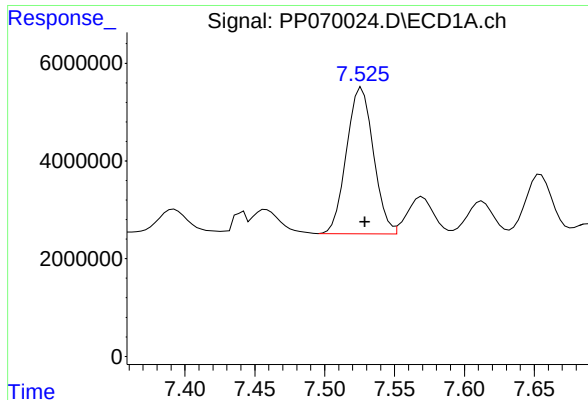
#31 AR-1260-1

R.T.: 7.274 min
Delta R.T.: -0.002 min
Response: 30379600
Conc: 511.54 ng/ml



#31 AR-1260-1

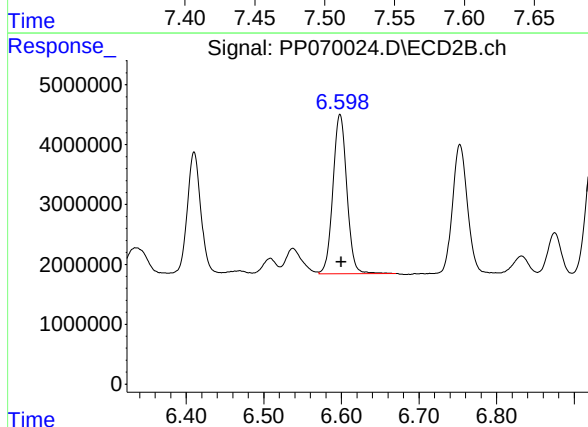
R.T.: 6.410 min
Delta R.T.: -0.001 min
Response: 25016847
Conc: 504.88 ng/ml



#32 AR-1260-2

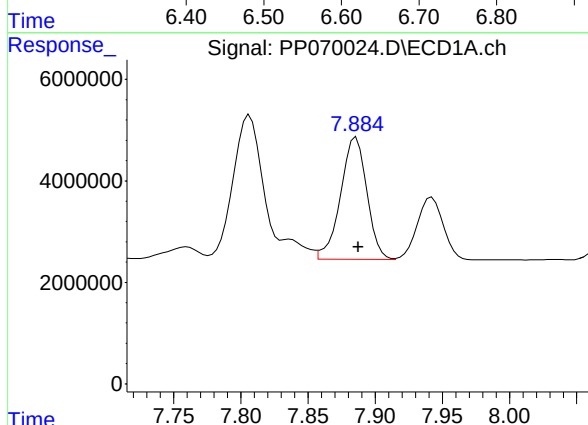
R.T.: 7.527 min
Delta R.T.: -0.002 min
Response: 40230175
Conc: 498.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



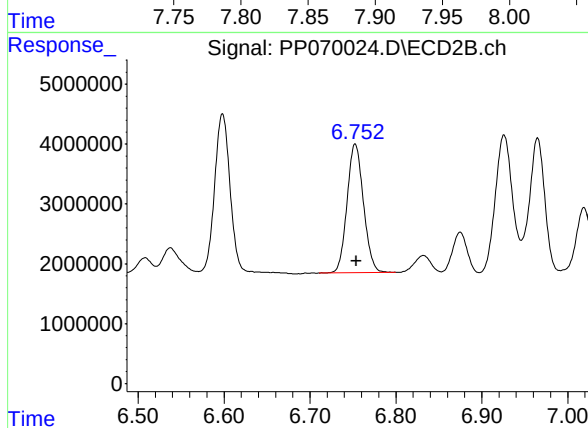
#32 AR-1260-2

R.T.: 6.598 min
Delta R.T.: -0.001 min
Response: 33434416
Conc: 516.59 ng/ml



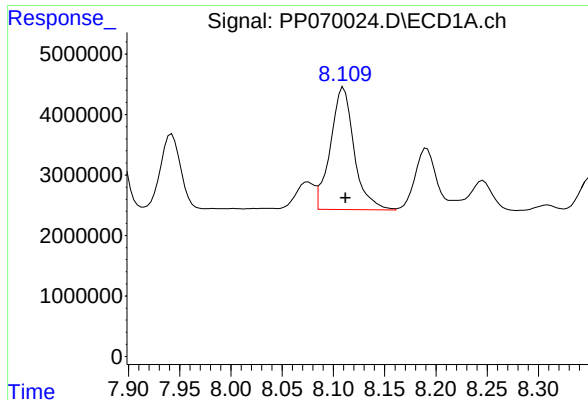
#33 AR-1260-3

R.T.: 7.886 min
Delta R.T.: -0.002 min
Response: 32998196
Conc: 515.50 ng/ml



#33 AR-1260-3

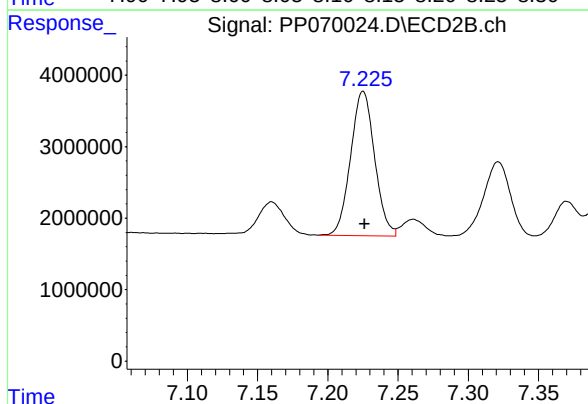
R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 28487900
Conc: 497.51 ng/ml



#34 AR-1260-4

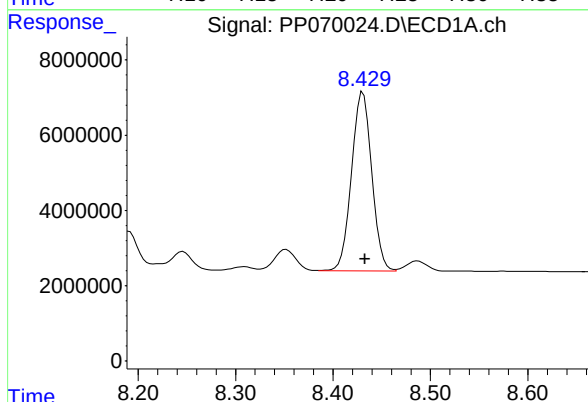
R.T.: 8.110 min
Delta R.T.: -0.002 min
Response: 32484934
Conc: 514.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



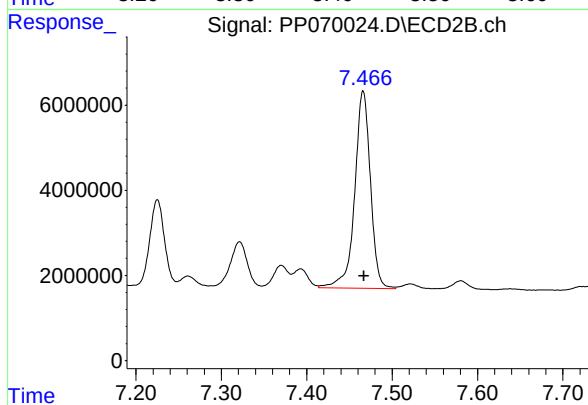
#34 AR-1260-4

R.T.: 7.225 min
Delta R.T.: 0.000 min
Response: 24115126
Conc: 496.04 ng/ml



#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: -0.002 min
Response: 68660770
Conc: 509.33 ng/ml



#35 AR-1260-5

R.T.: 7.466 min
Delta R.T.: 0.000 min
Response: 59424903
Conc: 496.89 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:50
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:25:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.523	3.830	75972414	47320786	51.773	49.338
2) SA Decachlor...	10.252	8.887	56608358	53341450	51.479	52.424
Target Compounds						
16) L4 AR-1242-1	5.677	4.920	21310655	14394025	512.686	516.871
17) L4 AR-1242-2	5.698	4.939	30783100	19970694	510.256	518.182
18) L4 AR-1242-3	5.760	5.116	19012156	11248595	493.459	535.720
19) L4 AR-1242-4	5.858	5.200	15670837	10692666	489.437	535.480
20) L4 AR-1242-5	6.589	5.726	18864781	13650655	532.456	517.735

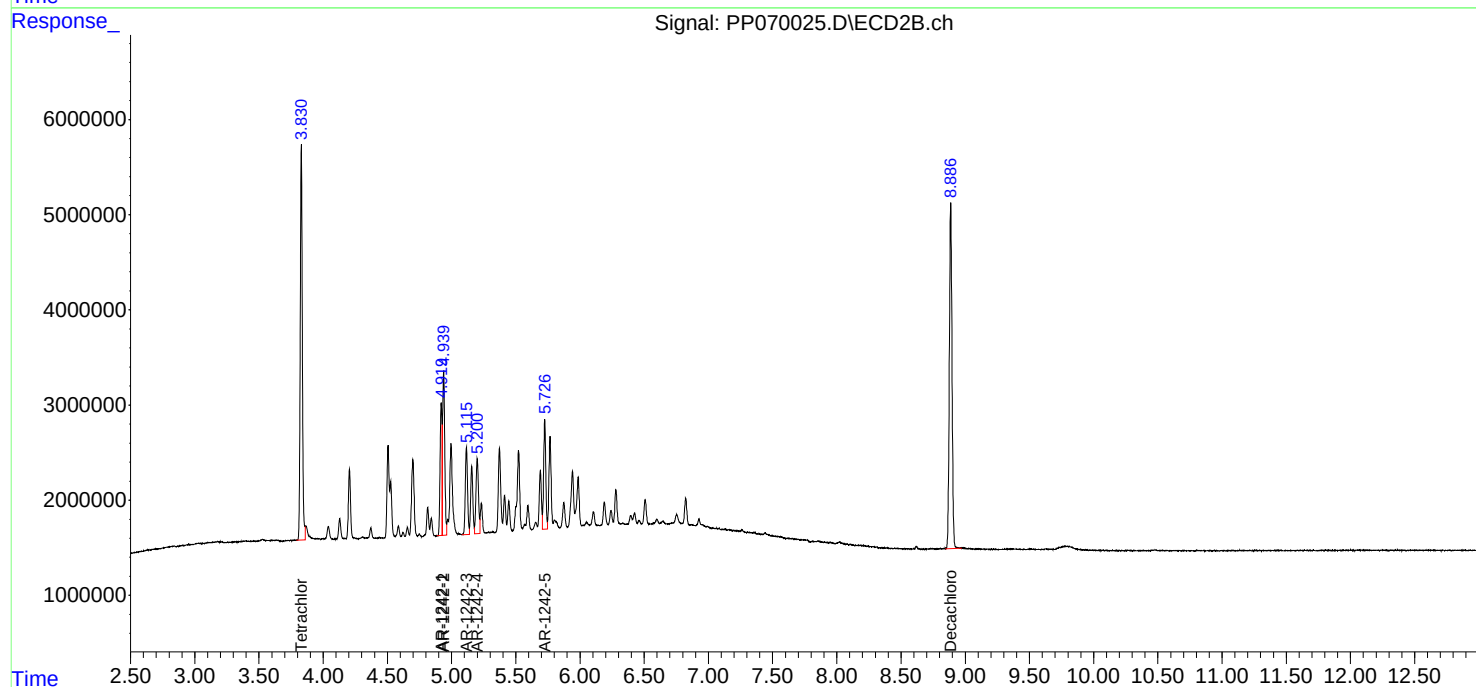
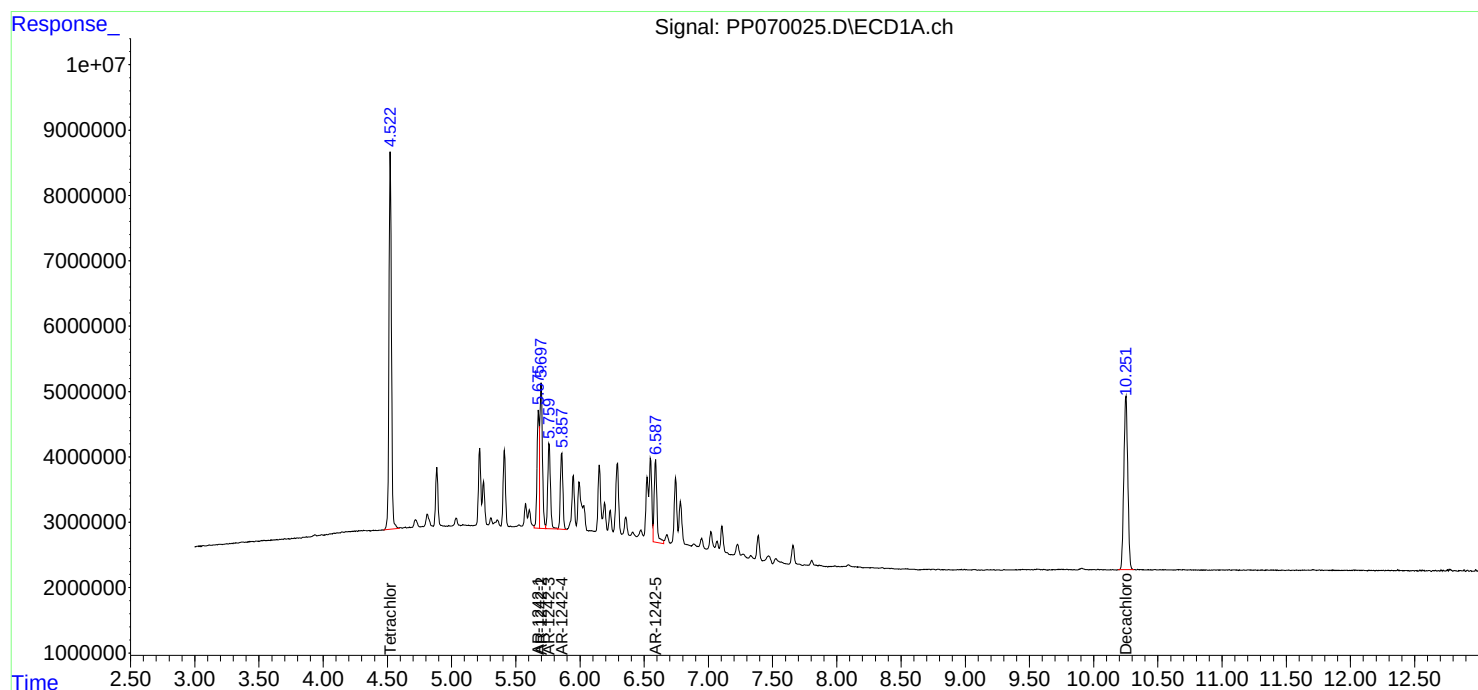
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

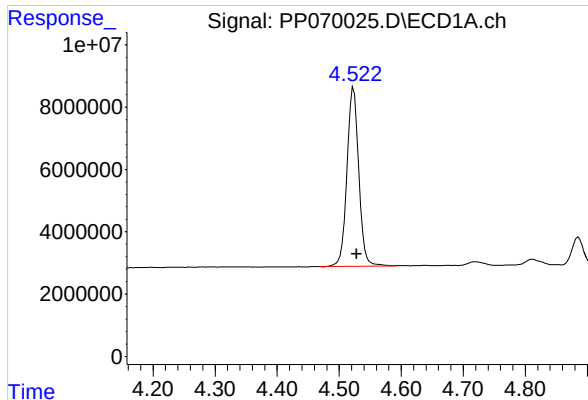
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 22:50
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:25:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:23:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

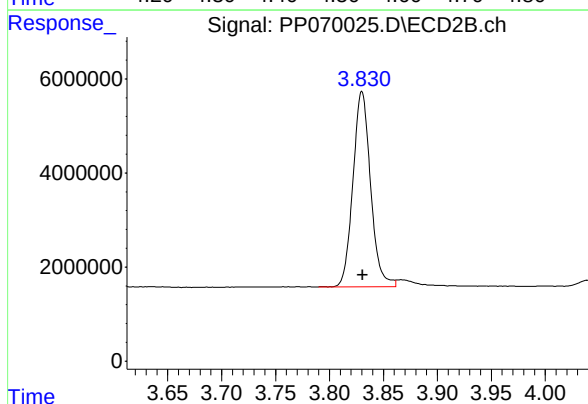




#1 Tetrachloro-m-xylene

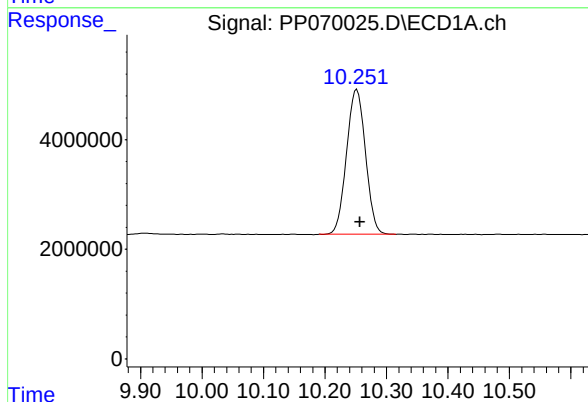
R.T.: 4.523 min
Delta R.T.: -0.005 min
Response: 75972414
Conc: 51.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



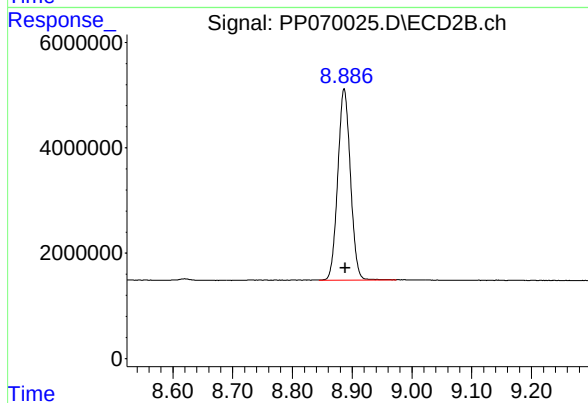
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 47320786
Conc: 49.34 ng/ml



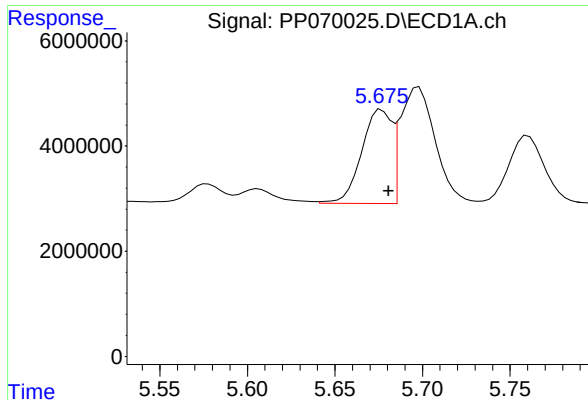
#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.005 min
Response: 56608358
Conc: 51.48 ng/ml



#2 Decachlorobiphenyl

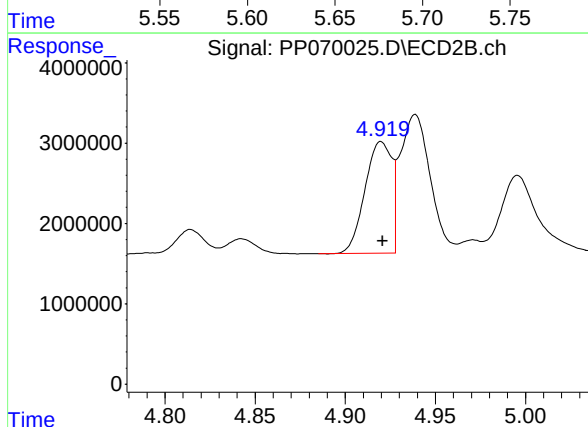
R.T.: 8.887 min
Delta R.T.: -0.002 min
Response: 53341450
Conc: 52.42 ng/ml



#16 AR-1242-1

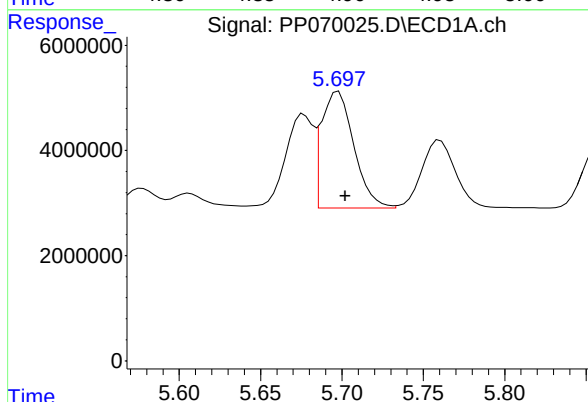
R.T.: 5.677 min
Delta R.T.: -0.004 min
Response: 21310655
Conc: 512.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



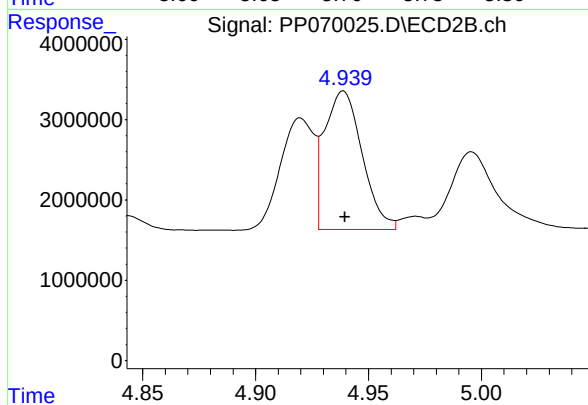
#16 AR-1242-1

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 14394025
Conc: 516.87 ng/ml



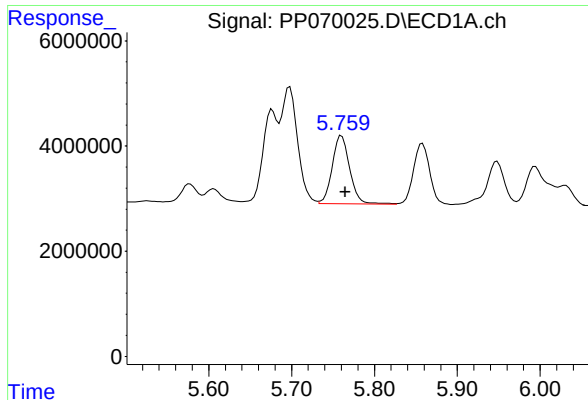
#17 AR-1242-2

R.T.: 5.698 min
Delta R.T.: -0.004 min
Response: 30783100
Conc: 510.26 ng/ml



#17 AR-1242-2

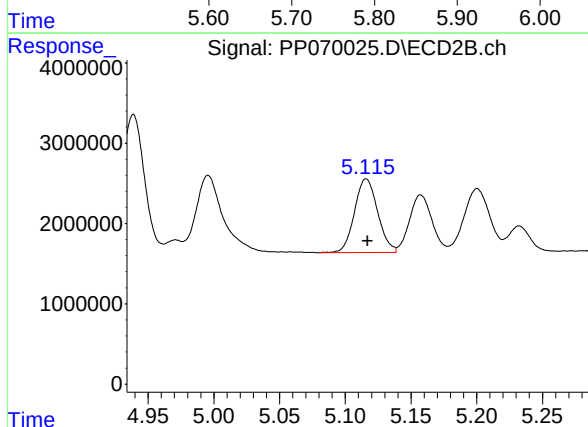
R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 19970694
Conc: 518.18 ng/ml



#18 AR-1242-3

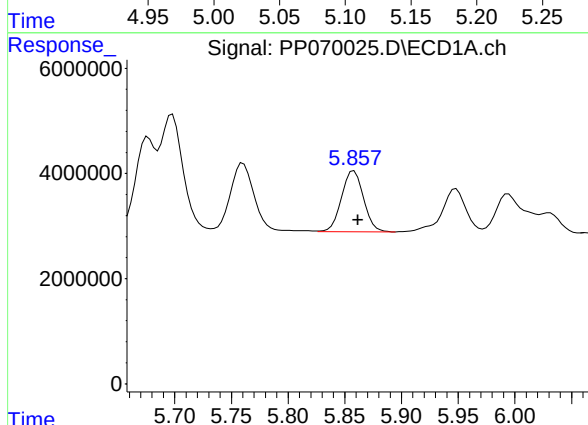
R.T.: 5.760 min
Delta R.T.: -0.004 min
Response: 19012156
Conc: 493.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



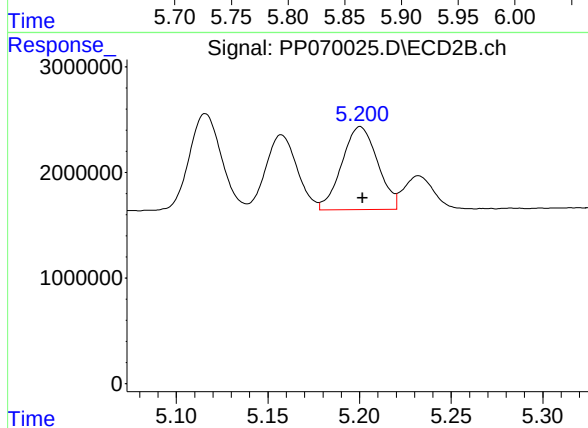
#18 AR-1242-3

R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 11248595
Conc: 535.72 ng/ml



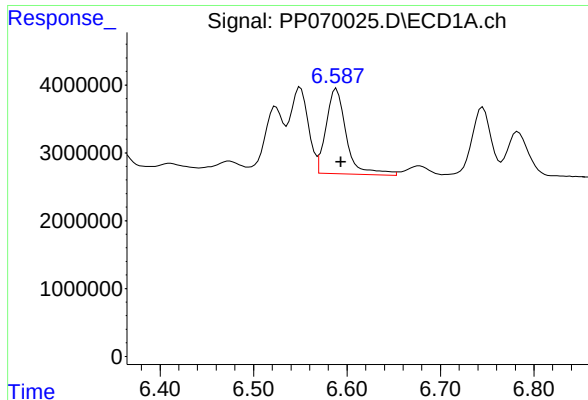
#19 AR-1242-4

R.T.: 5.858 min
Delta R.T.: -0.004 min
Response: 15670837
Conc: 489.44 ng/ml



#19 AR-1242-4

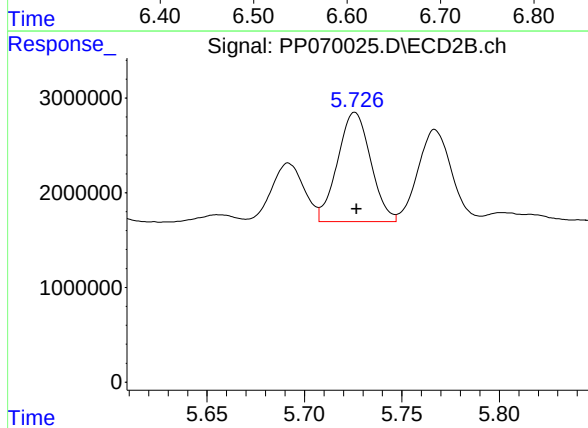
R.T.: 5.200 min
Delta R.T.: -0.001 min
Response: 10692666
Conc: 535.48 ng/ml



#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.005 min
Response: 18864781
Conc: 532.46 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



#20 AR-1242-5

R.T.: 5.726 min
Delta R.T.: 0.000 min
Response: 13650655
Conc: 517.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:06
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:38:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.528	3.829	75407422	49577243	50.884	51.783
2) SA Decachlor...	10.257	8.887	56421899	53068816	50.377	52.864
Target Compounds						
21) L5 AR-1248-1	5.681	4.919	16609396	11084604	510.131	500.246
22) L5 AR-1248-2	5.953	5.158	21925878	14571155	511.519	502.749
23) L5 AR-1248-3	6.156	5.200	23880559	15235962	508.659	506.377
24) L5 AR-1248-4	6.555	5.372	29754915	17720481	507.412	502.198
25) L5 AR-1248-5	6.594	5.767	29363962	18130727	516.110	502.371

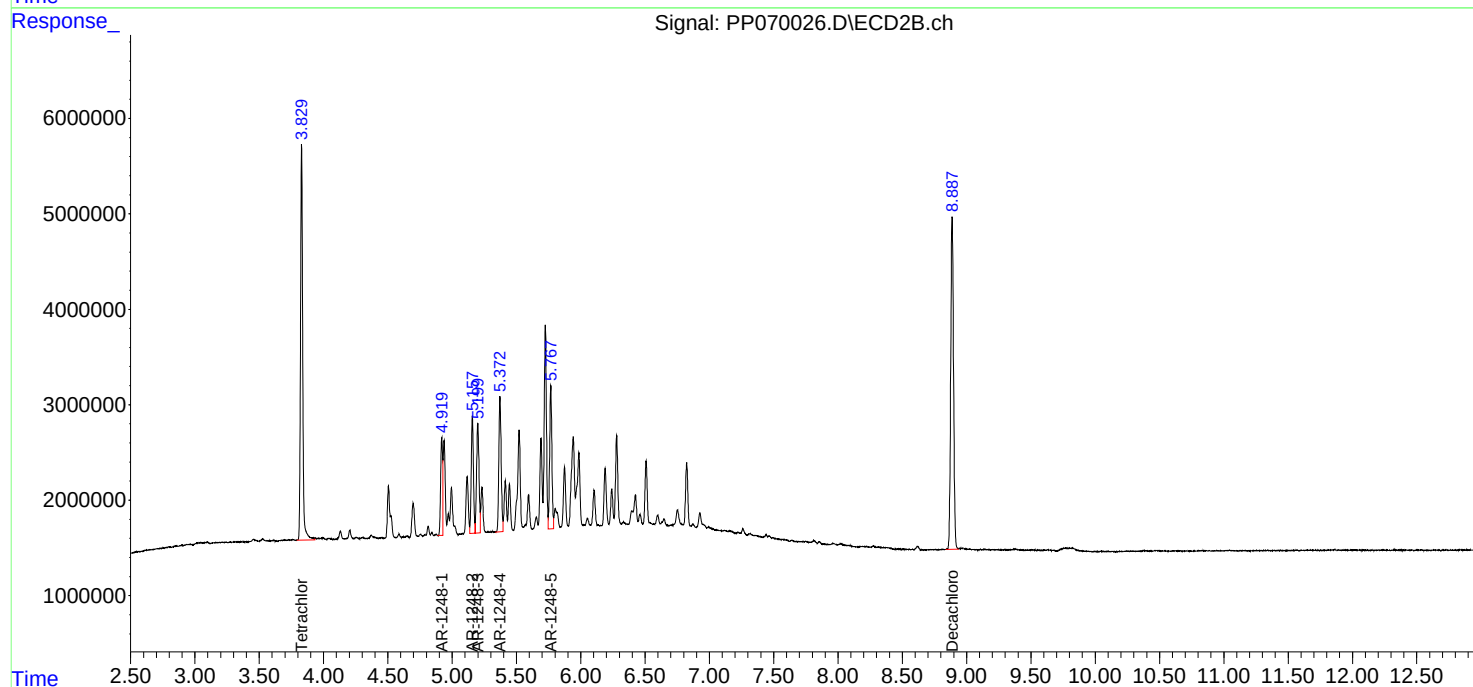
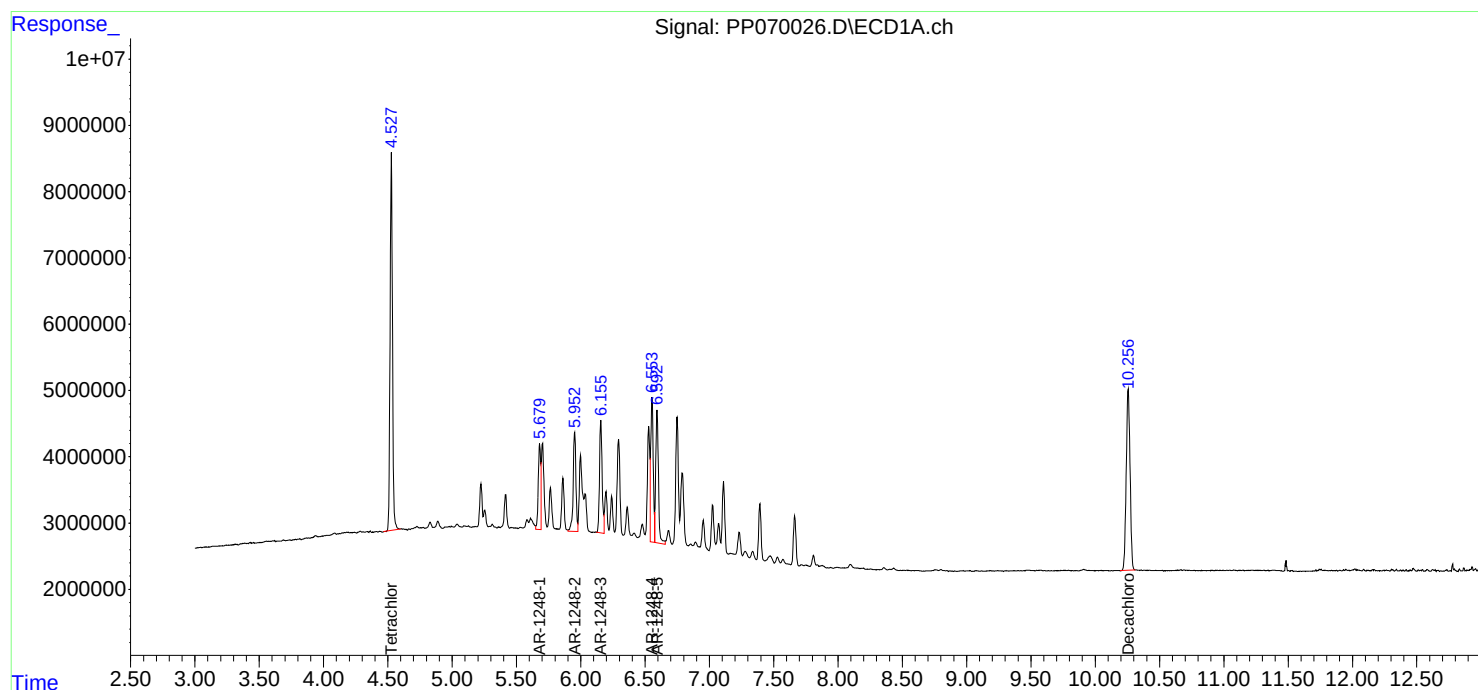
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

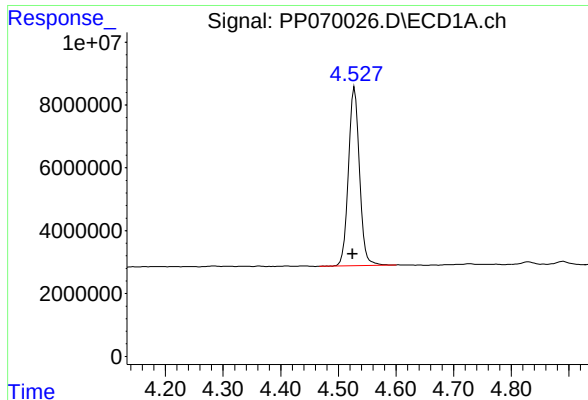
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:06
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 01:38:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 01:36:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

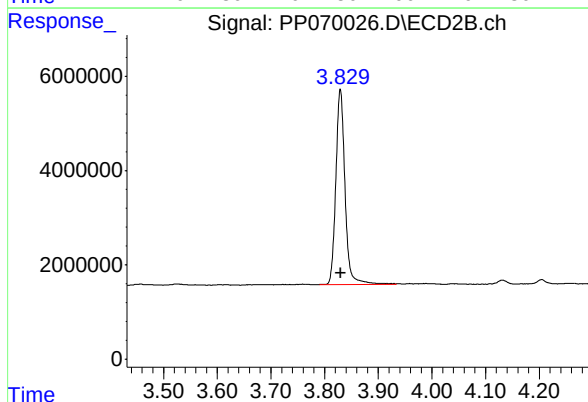




#1 Tetrachloro-m-xylene

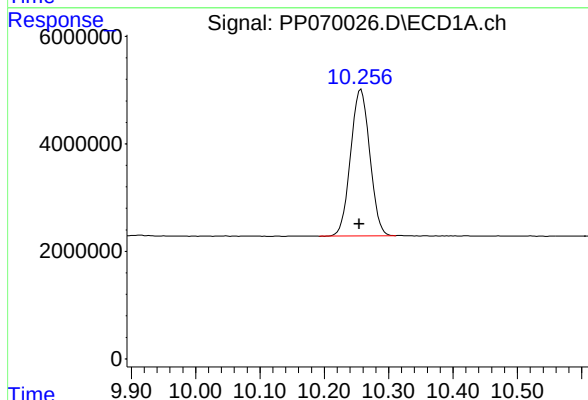
R.T.: 4.528 min
Delta R.T.: 0.003 min
Response: 75407422
Conc: 50.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



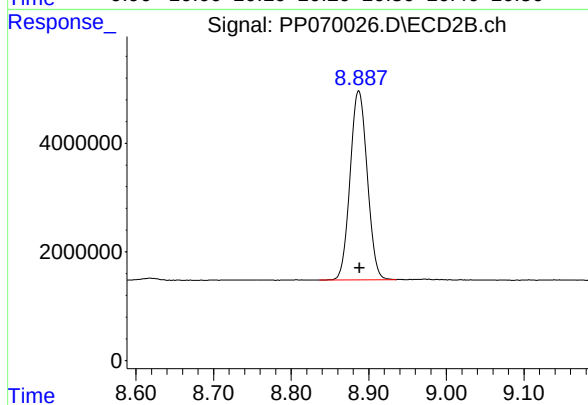
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 49577243
Conc: 51.78 ng/ml



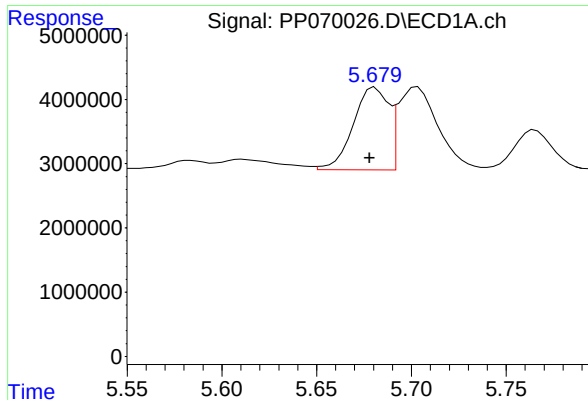
#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.002 min
Response: 56421899
Conc: 50.38 ng/ml



#2 Decachlorobiphenyl

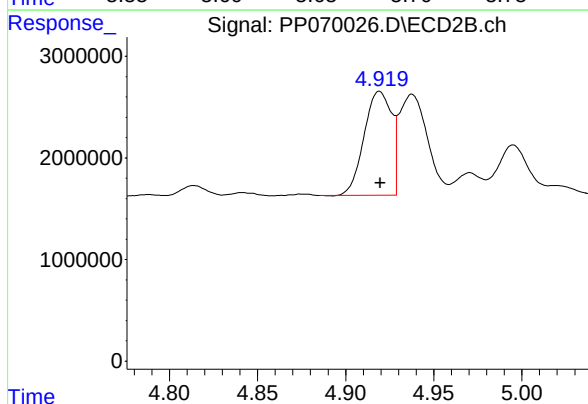
R.T.: 8.887 min
Delta R.T.: -0.002 min
Response: 53068816
Conc: 52.86 ng/ml



#21 AR-1248-1

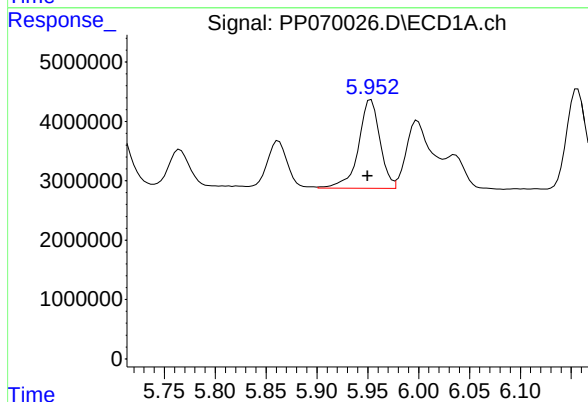
R.T.: 5.681 min
Delta R.T.: 0.003 min
Response: 16609396
Conc: 510.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



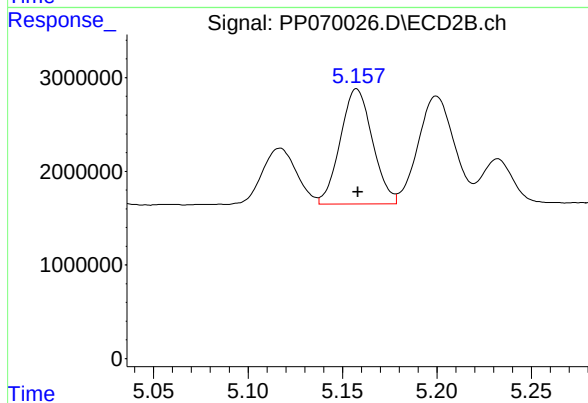
#21 AR-1248-1

R.T.: 4.919 min
Delta R.T.: 0.000 min
Response: 11084604
Conc: 500.25 ng/ml



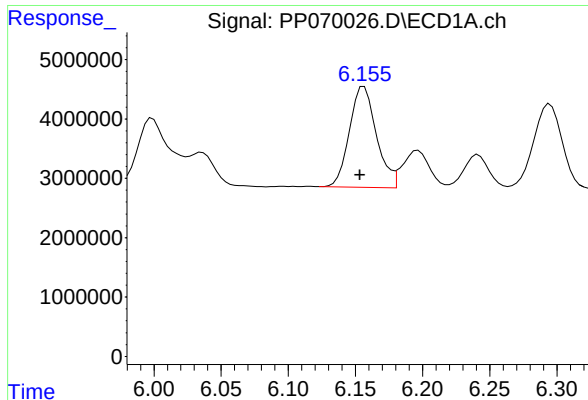
#22 AR-1248-2

R.T.: 5.953 min
Delta R.T.: 0.003 min
Response: 21925878
Conc: 511.52 ng/ml



#22 AR-1248-2

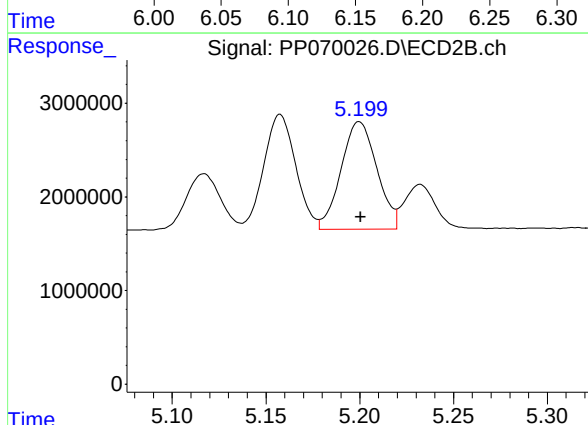
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 14571155
Conc: 502.75 ng/ml



#23 AR-1248-3

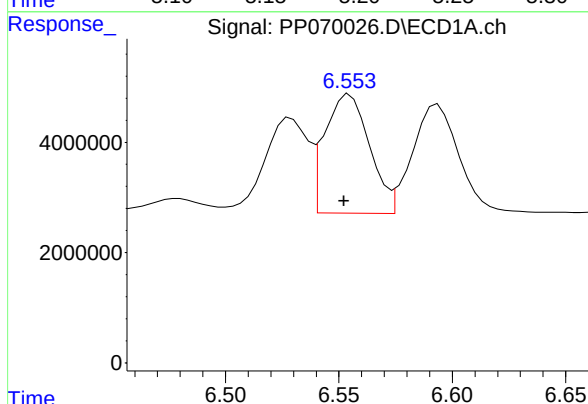
R.T.: 6.156 min
Delta R.T.: 0.003 min
Response: 23880559
Conc: 508.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



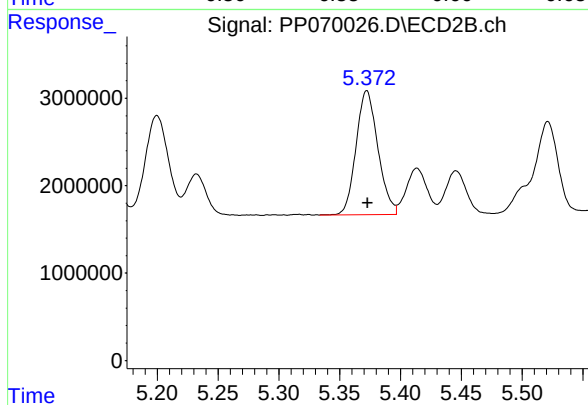
#23 AR-1248-3

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 15235962
Conc: 506.38 ng/ml



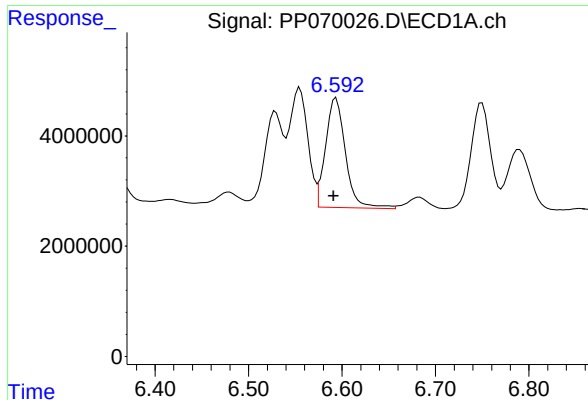
#24 AR-1248-4

R.T.: 6.555 min
Delta R.T.: 0.002 min
Response: 29754915
Conc: 507.41 ng/ml



#24 AR-1248-4

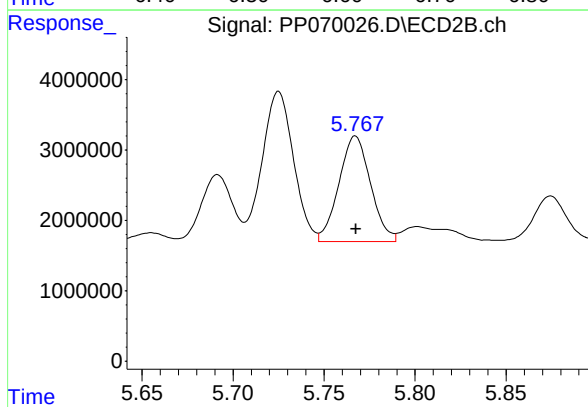
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 17720481
Conc: 502.20 ng/ml



#25 AR-1248-5

R.T.: 6.594 min
Delta R.T.: 0.003 min
Response: 29363962
Conc: 516.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



#25 AR-1248-5

R.T.: 5.767 min
Delta R.T.: 0.000 min
Response: 18130727
Conc: 502.37 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:22
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:03:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.830	77660625	50969132	49.934	51.404
2) SA Decachlor...	10.253	8.887	58837660	53434810	48.156	46.645
Target Compounds						
26) L6 AR-1254-1	6.529	5.726	31650110	27652735	522.088	495.991
27) L6 AR-1254-2	6.745	5.874	43660673	24645815	501.928	497.108
28) L6 AR-1254-3	7.107	6.279	44651363	38791765	509.477	491.774
29) L6 AR-1254-4	7.389	6.507	36312560	25589145	494.362	471.693
30) L6 AR-1254-5	7.806	6.926	35741699	34549263	513.376	475.252

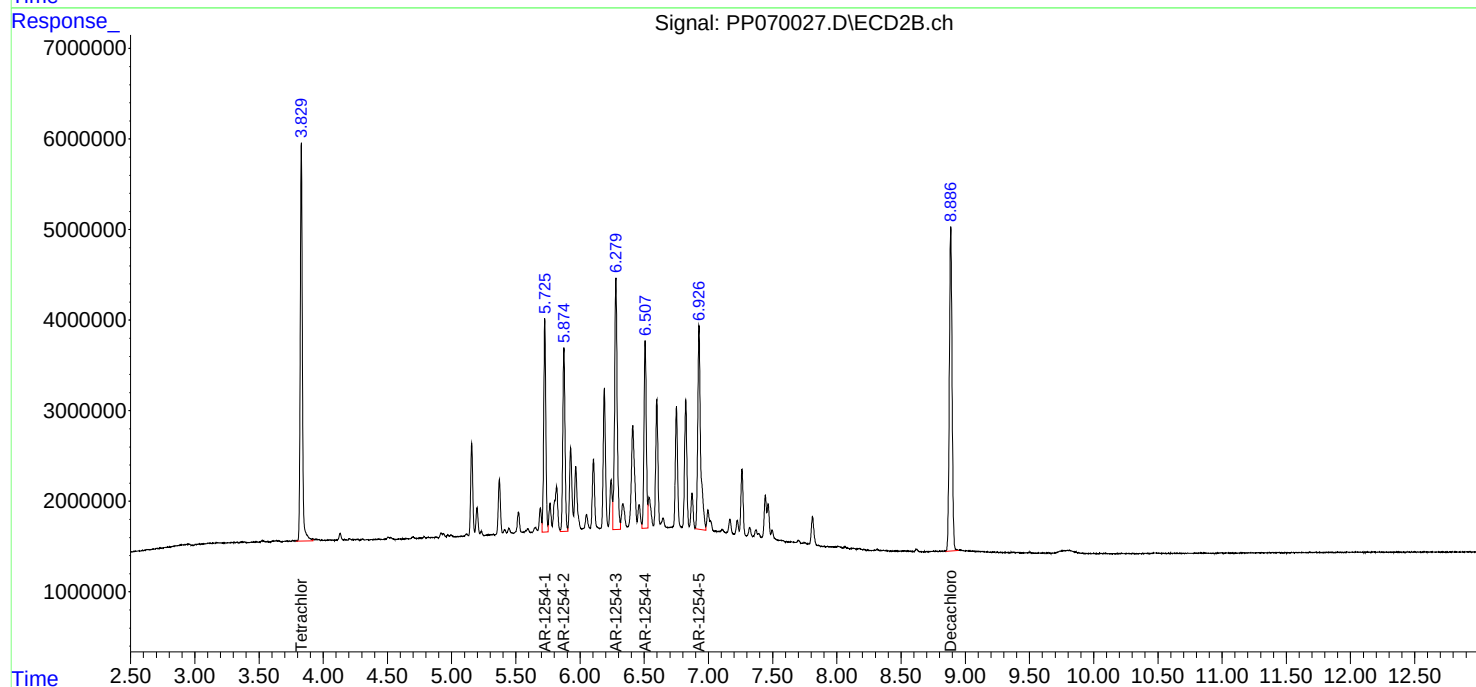
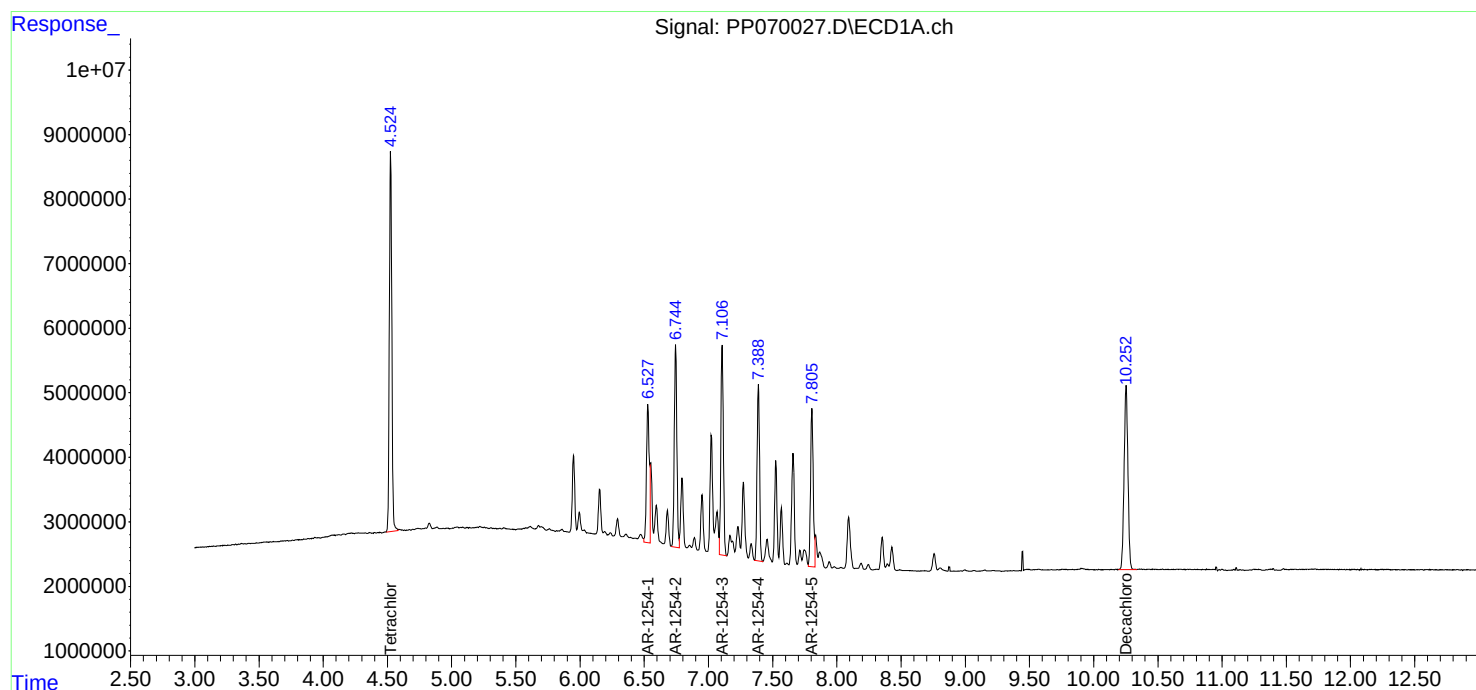
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

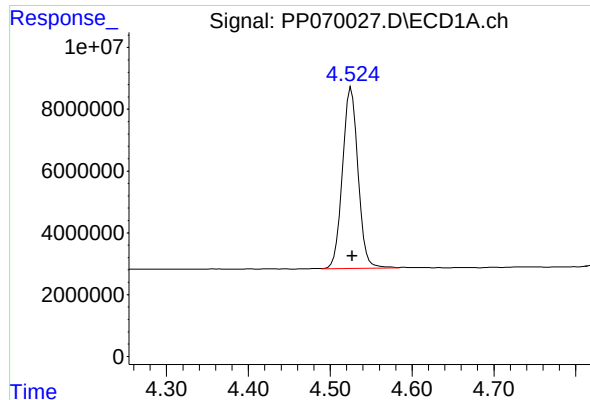
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:22
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:03:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:00:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

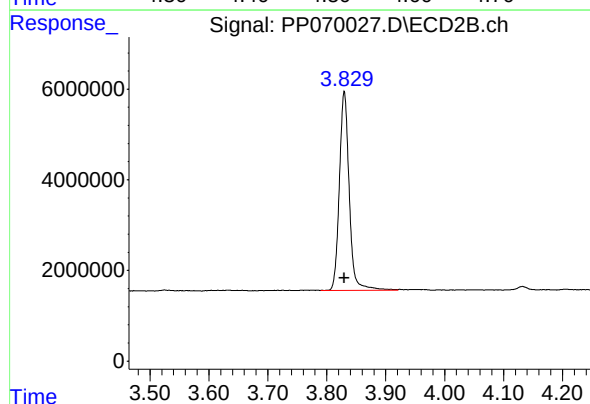




#1 Tetrachloro-m-xylene

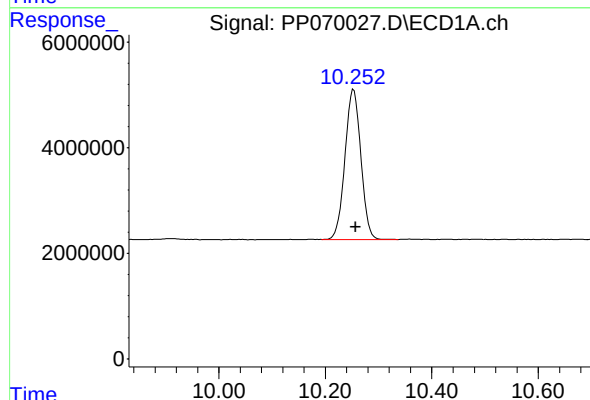
R.T.: 4.526 min
Delta R.T.: -0.001 min
Response: 77660625
Conc: 49.93 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



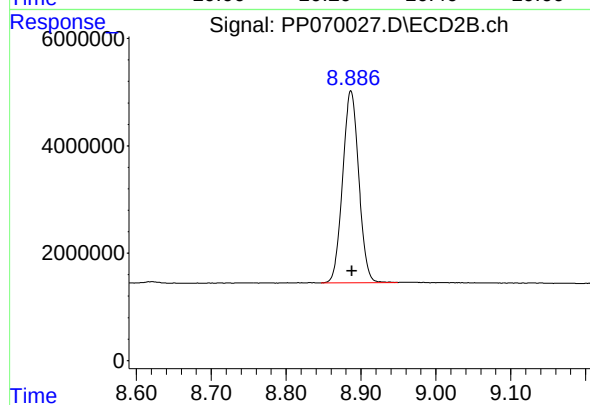
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 50969132
Conc: 51.40 ng/ml



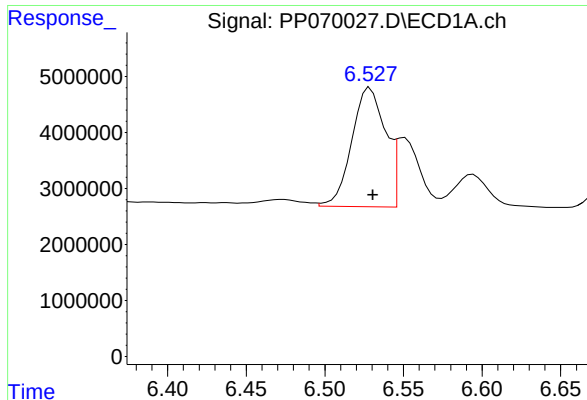
#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: -0.004 min
Response: 58837660
Conc: 48.16 ng/ml



#2 Decachlorobiphenyl

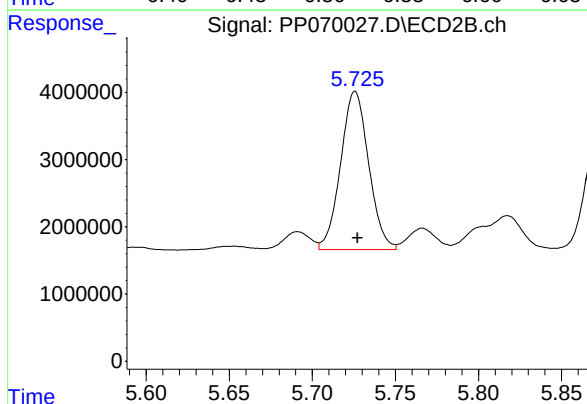
R.T.: 8.887 min
Delta R.T.: -0.001 min
Response: 53434810
Conc: 46.65 ng/ml



#26 AR-1254-1

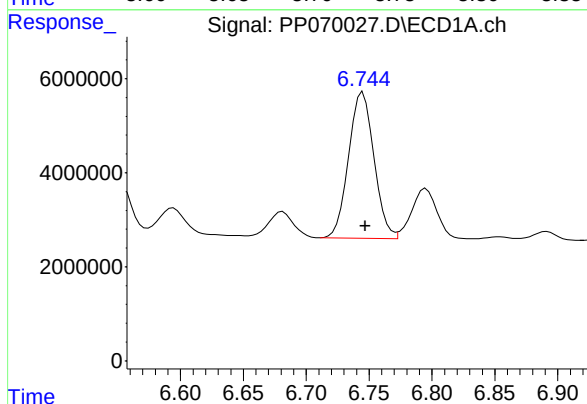
R.T.: 6.529 min
Delta R.T.: -0.002 min
Response: 31650110
Conc: 522.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



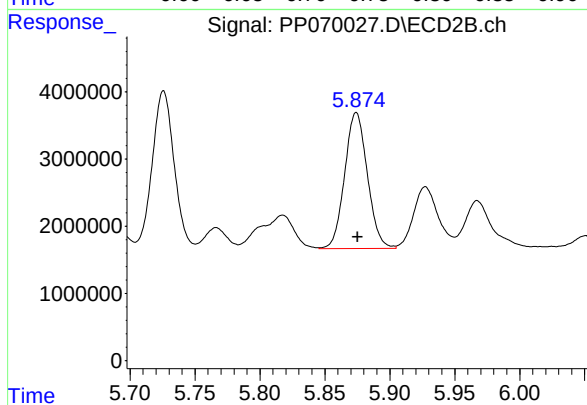
#26 AR-1254-1

R.T.: 5.726 min
Delta R.T.: -0.002 min
Response: 27652735
Conc: 495.99 ng/ml



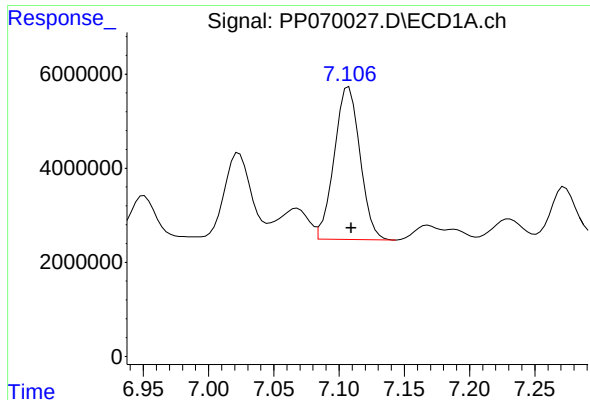
#27 AR-1254-2

R.T.: 6.745 min
Delta R.T.: -0.002 min
Response: 43660673
Conc: 501.93 ng/ml



#27 AR-1254-2

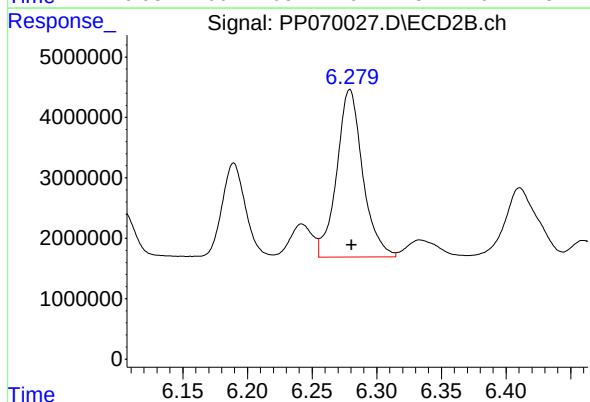
R.T.: 5.874 min
Delta R.T.: -0.001 min
Response: 24645815
Conc: 497.11 ng/ml



#28 AR-1254-3

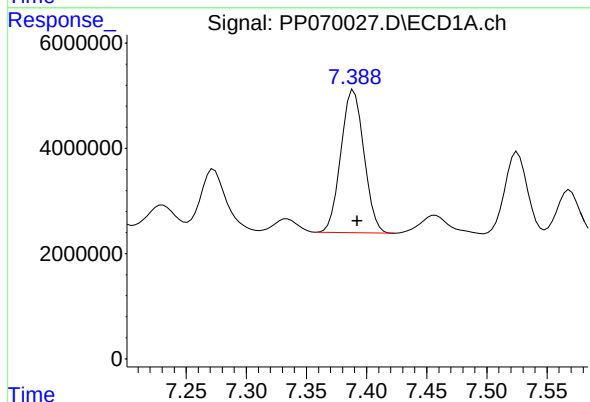
R.T.: 7.107 min
Delta R.T.: -0.002 min
Response: 44651363
Conc: 509.48 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



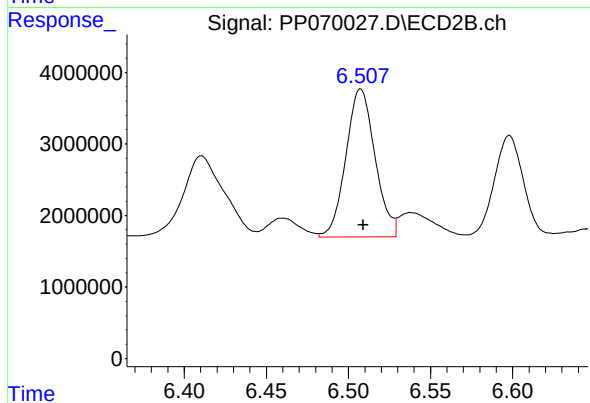
#28 AR-1254-3

R.T.: 6.279 min
Delta R.T.: -0.001 min
Response: 38791765
Conc: 491.77 ng/ml



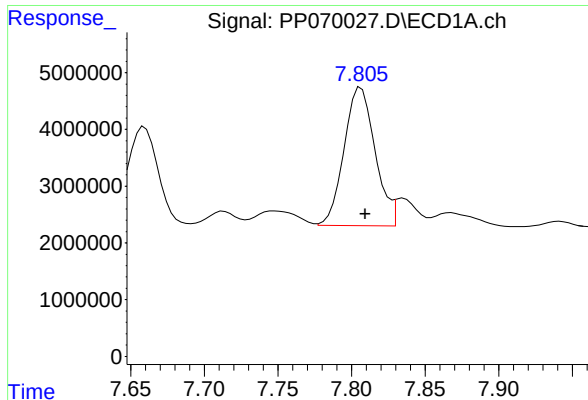
#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.003 min
Response: 36312560
Conc: 494.36 ng/ml



#29 AR-1254-4

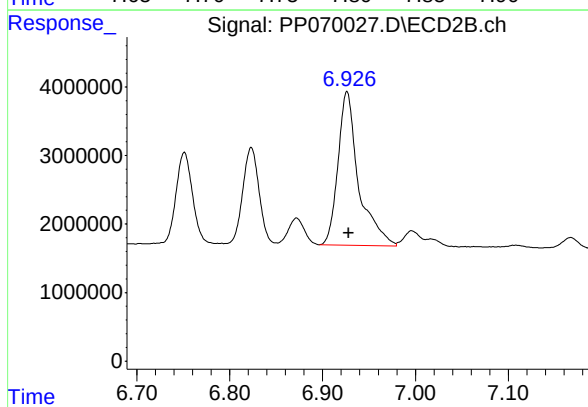
R.T.: 6.507 min
Delta R.T.: -0.002 min
Response: 25589145
Conc: 471.69 ng/ml



#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.003 min
Response: 35741699
Conc: 513.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



#30 AR-1254-5

R.T.: 6.926 min
Delta R.T.: -0.002 min
Response: 34549263
Conc: 475.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:38
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.829	79556222	51523954	51.906	51.737
2) SA Decachlor...	10.255	8.886	98980120	88220218	51.646	52.301
Target Compounds						
41) L9 AR-1268-1	8.746	7.749	100.1E6	81097492	517.146	508.228
42) L9 AR-1268-2	8.840	7.814	87134429	69999398	517.710	509.812
43) L9 AR-1268-3	9.073	8.021	75244319	62177289	517.546	516.121
44) L9 AR-1268-4	9.492	8.315	33263949	27975062	516.861	528.688
45) L9 AR-1268-5	9.911	8.620	214.3E6	189.4E6	512.185	550.447

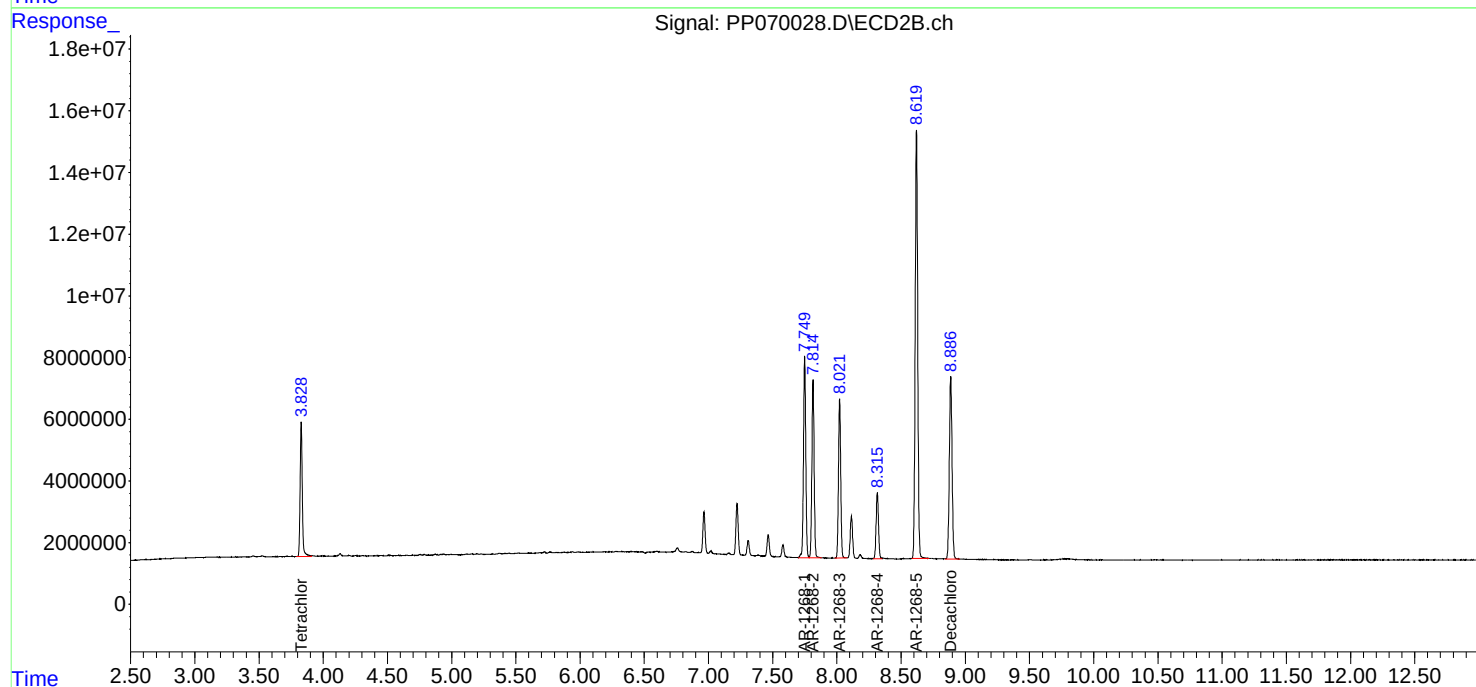
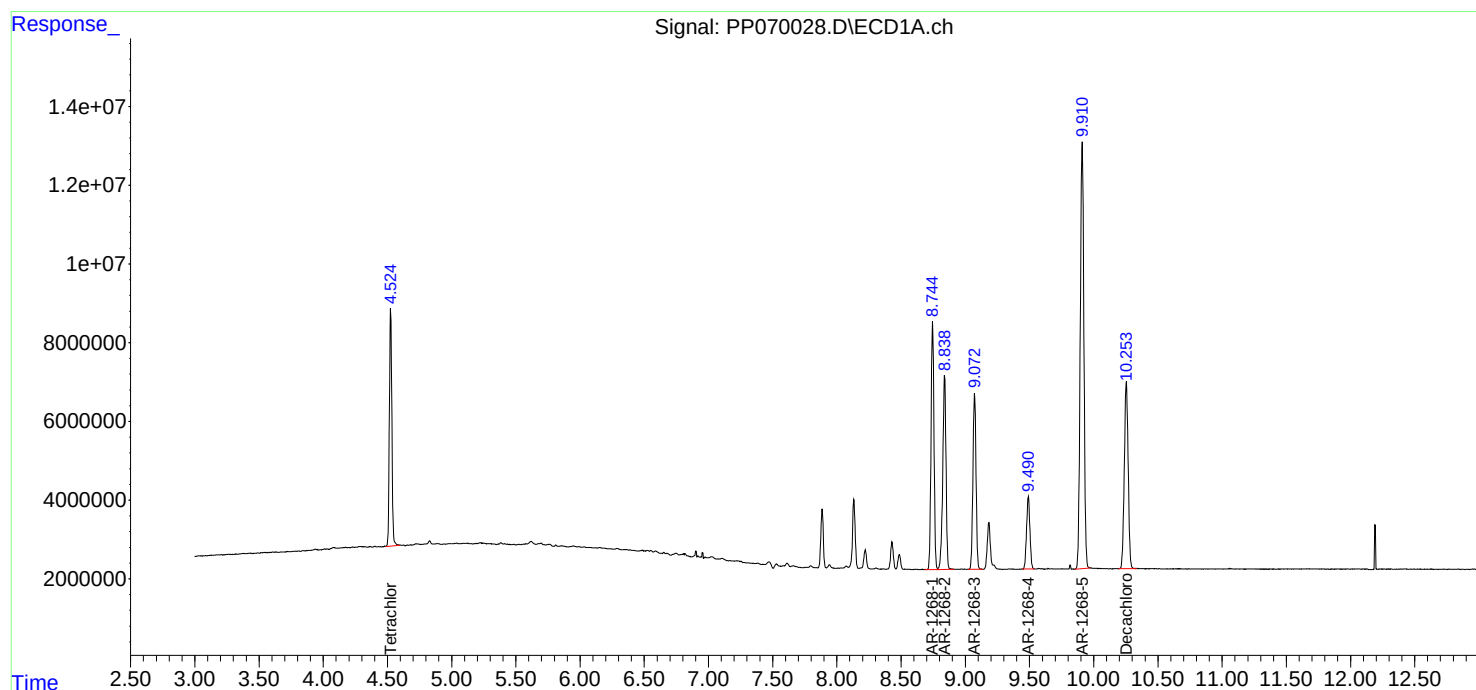
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

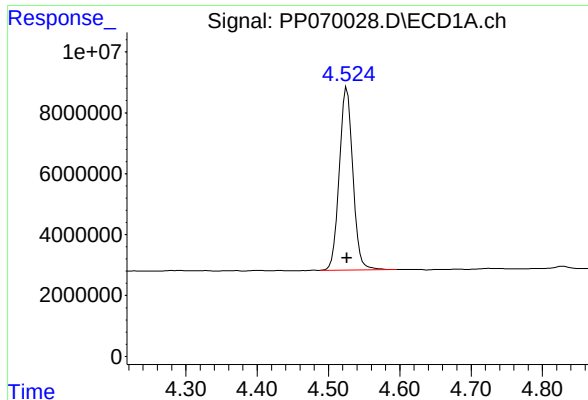
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP070028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 23:38
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ICVPP022425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 04:27:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 04:25:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

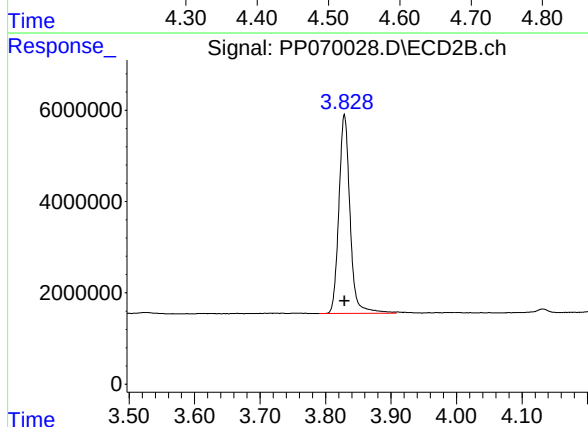




#1 Tetrachloro-m-xylene

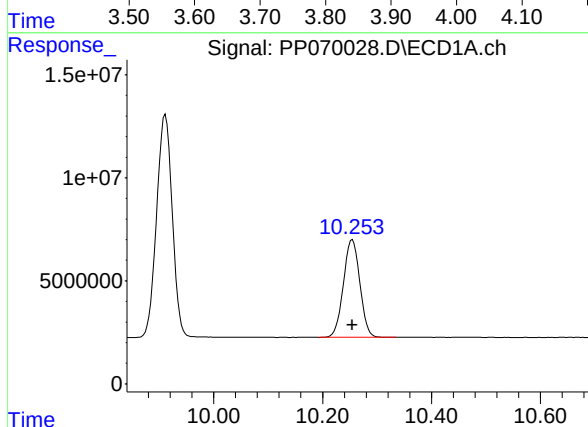
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 79556222
Conc: 51.91 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



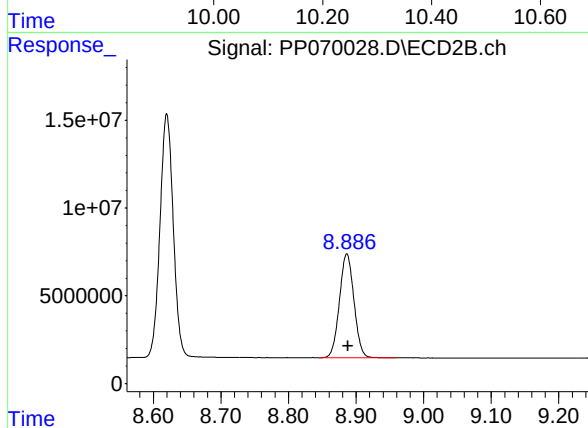
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 51523954
Conc: 51.74 ng/ml



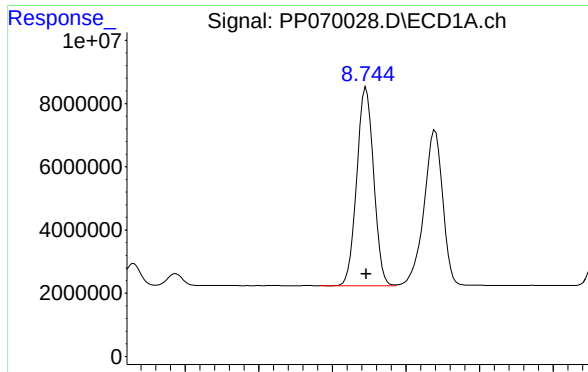
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 98980120
Conc: 51.65 ng/ml



#2 Decachlorobiphenyl

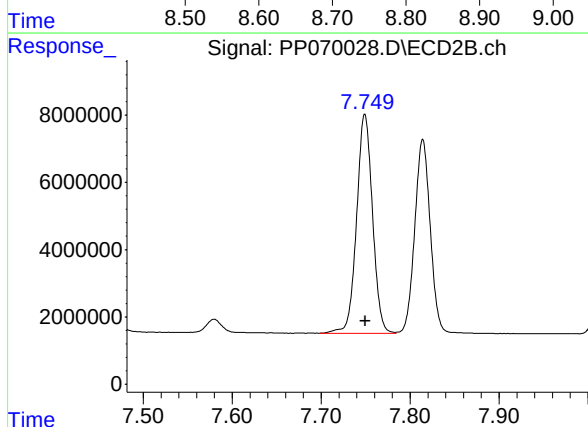
R.T.: 8.886 min
Delta R.T.: -0.001 min
Response: 88220218
Conc: 52.30 ng/ml



#41 AR-1268-1

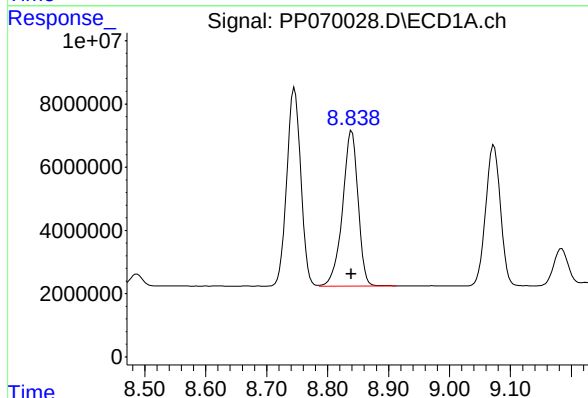
R.T.: 8.746 min
Delta R.T.: 0.000 min
Response: 100134057
Conc: 517.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



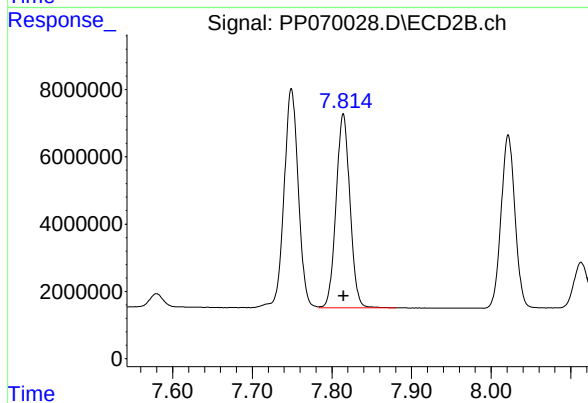
#41 AR-1268-1

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 81097492
Conc: 508.23 ng/ml



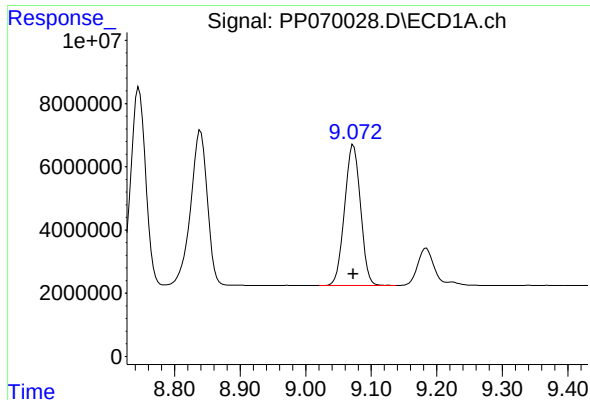
#42 AR-1268-2

R.T.: 8.840 min
Delta R.T.: 0.000 min
Response: 87134429
Conc: 517.71 ng/ml



#42 AR-1268-2

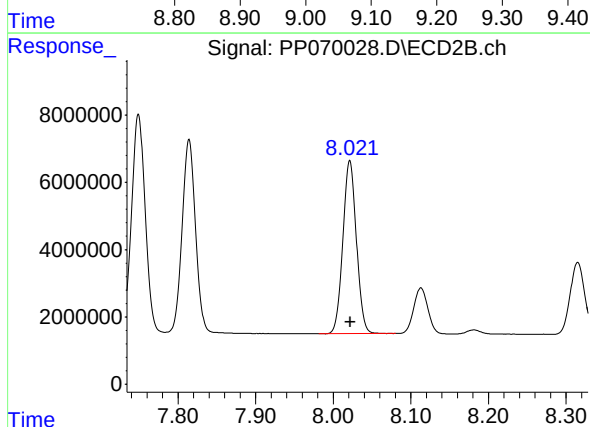
R.T.: 7.814 min
Delta R.T.: 0.000 min
Response: 69999398
Conc: 509.81 ng/ml



#43 AR-1268-3

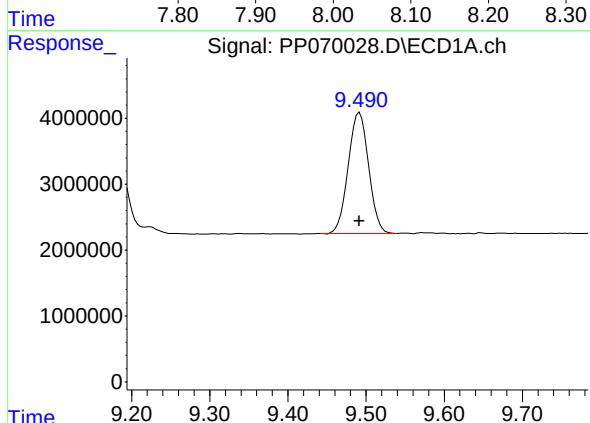
R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 75244319
Conc: 517.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



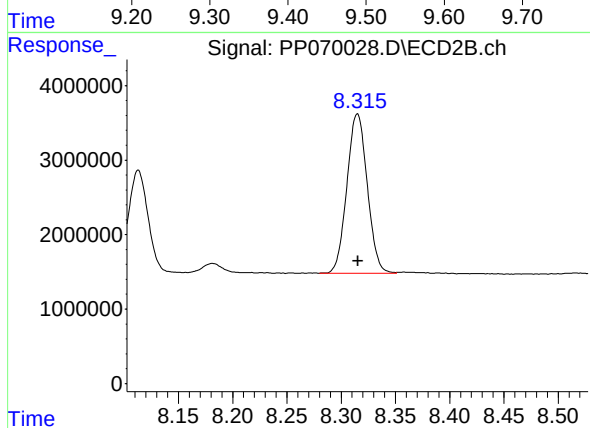
#43 AR-1268-3

R.T.: 8.021 min
Delta R.T.: 0.000 min
Response: 62177289
Conc: 516.12 ng/ml



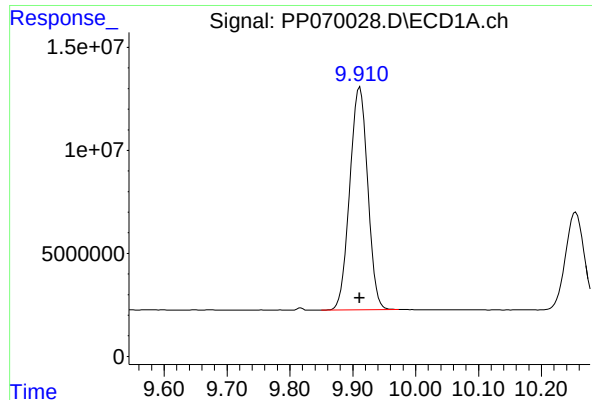
#44 AR-1268-4

R.T.: 9.492 min
Delta R.T.: 0.000 min
Response: 33263949
Conc: 516.86 ng/ml



#44 AR-1268-4

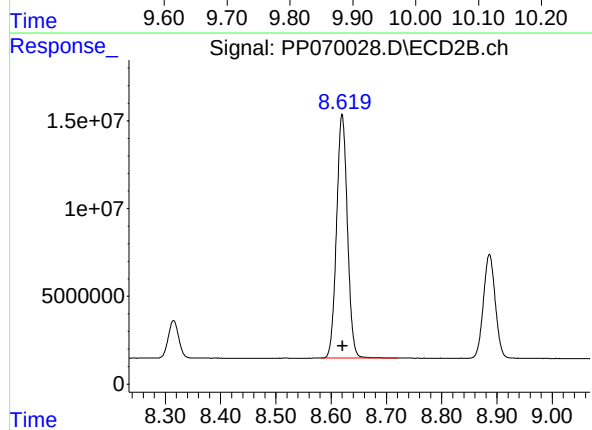
R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 27975062
Conc: 528.69 ng/ml



#45 AR-1268-5

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 214263931
Conc: 512.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
ICVPP022425



#45 AR-1268-5

R.T.: 8.620 min
Delta R.T.: 0.000 min
Response: 189436692
Conc: 550.45 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 09:43 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.77	5.77	5.67	5.87	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.16	6.16	6.06	6.26	0.00
Aroclor-1260-1	(1)	7.28	7.28	7.18	7.38	0.00
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.88	7.89	7.79	7.99	0.01
Aroclor-1260-4	(4)	8.12	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.44	8.43	8.33	8.53	-0.01
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.26	10.26	10.16	10.36	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 09:43 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-4	(4)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.00
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-3	(3)	6.76	6.75	6.65	6.85	-0.01
Aroclor-1260-4	(4)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-5	(5)	7.47	7.47	7.37	7.57	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.89	8.89	8.79	8.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL01 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070030.D Time Analyzed: 09:43

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.683	5.581	5.781	505.940	500.000	1.2
Aroclor-1016-2	5.704	5.602	5.802	520.740	500.000	4.1
Aroclor-1016-3	5.767	5.665	5.865	499.380	500.000	-0.1
Aroclor-1016-4	5.864	5.762	5.962	514.200	500.000	2.8
Aroclor-1016-5	6.157	6.056	6.256	514.170	500.000	2.8
Aroclor-1260-1	7.277	7.175	7.375	514.020	500.000	2.8
Aroclor-1260-2	7.530	7.429	7.629	496.310	500.000	-0.7
Aroclor-1260-3	7.884	7.788	7.988	585.370	500.000	17.1
Aroclor-1260-4	8.115	8.012	8.212	519.540	500.000	3.9
Aroclor-1260-5	8.435	8.333	8.533	515.640	500.000	3.1
Decachlorobiphenyl	10.262	10.156	10.356	51.550	50.000	3.1
Tetrachloro-m-xylene	4.529	4.427	4.627	53.390	50.000	6.8



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL01 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070030.D Time Analyzed: 09:43

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.920	4.820	5.020	511.860	500.000	2.4
Aroclor-1016-2	4.939	4.839	5.039	517.760	500.000	3.6
Aroclor-1016-3	5.117	5.017	5.217	535.770	500.000	7.2
Aroclor-1016-4	5.158	5.058	5.258	534.310	500.000	6.9
Aroclor-1016-5	5.374	5.273	5.473	527.970	500.000	5.6
Aroclor-1260-1	6.412	6.312	6.512	523.760	500.000	4.8
Aroclor-1260-2	6.599	6.500	6.700	520.310	500.000	4.1
Aroclor-1260-3	6.755	6.654	6.854	482.990	500.000	-3.4
Aroclor-1260-4	7.226	7.126	7.326	532.640	500.000	6.5
Aroclor-1260-5	7.467	7.367	7.567	503.450	500.000	0.7
Decachlorobiphenyl	8.889	8.788	8.988	48.530	50.000	-2.9
Tetrachloro-m-xylene	3.831	3.730	3.930	51.350	50.000	2.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 09:43
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:46:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.529	3.831	78349968	49088733	53.386	51.346
2) SA Decachlor...	10.262	8.889	58722209	52615867	51.554	48.534
Target Compounds						
3) L1 AR-1016-1	5.683	4.920	25208847	17095344	505.936	511.858
4) L1 AR-1016-2	5.704	4.939	36856613	24124756	520.736	517.763
5) L1 AR-1016-3	5.767	5.117	21933871	13411669	499.377	535.772
6) L1 AR-1016-4	5.864	5.158	18645493	10723967	514.197	534.310
7) L1 AR-1016-5	6.157	5.374	17244414	13698929	514.167	527.967
31) L7 AR-1260-1	7.277	6.412	29997986	25946810	514.016	523.763
32) L7 AR-1260-2	7.530	6.599	40561362	34039020	496.314	520.314
33) L7 AR-1260-3	7.884	6.755	36738146	29134944	585.365	482.990
34) L7 AR-1260-4	8.115	7.226	32939664	26028539	519.545	532.636
35) L7 AR-1260-5	8.435	7.467	67644562	59998052	515.644	503.446

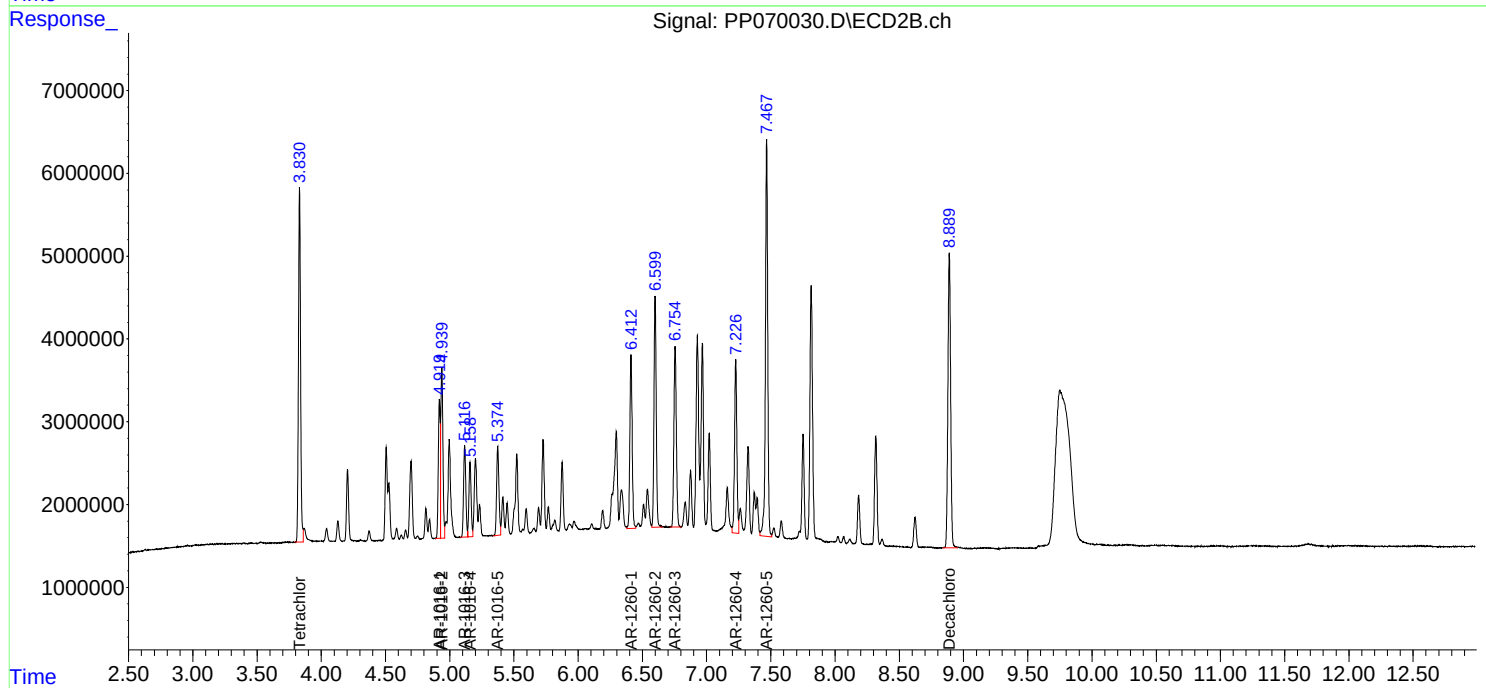
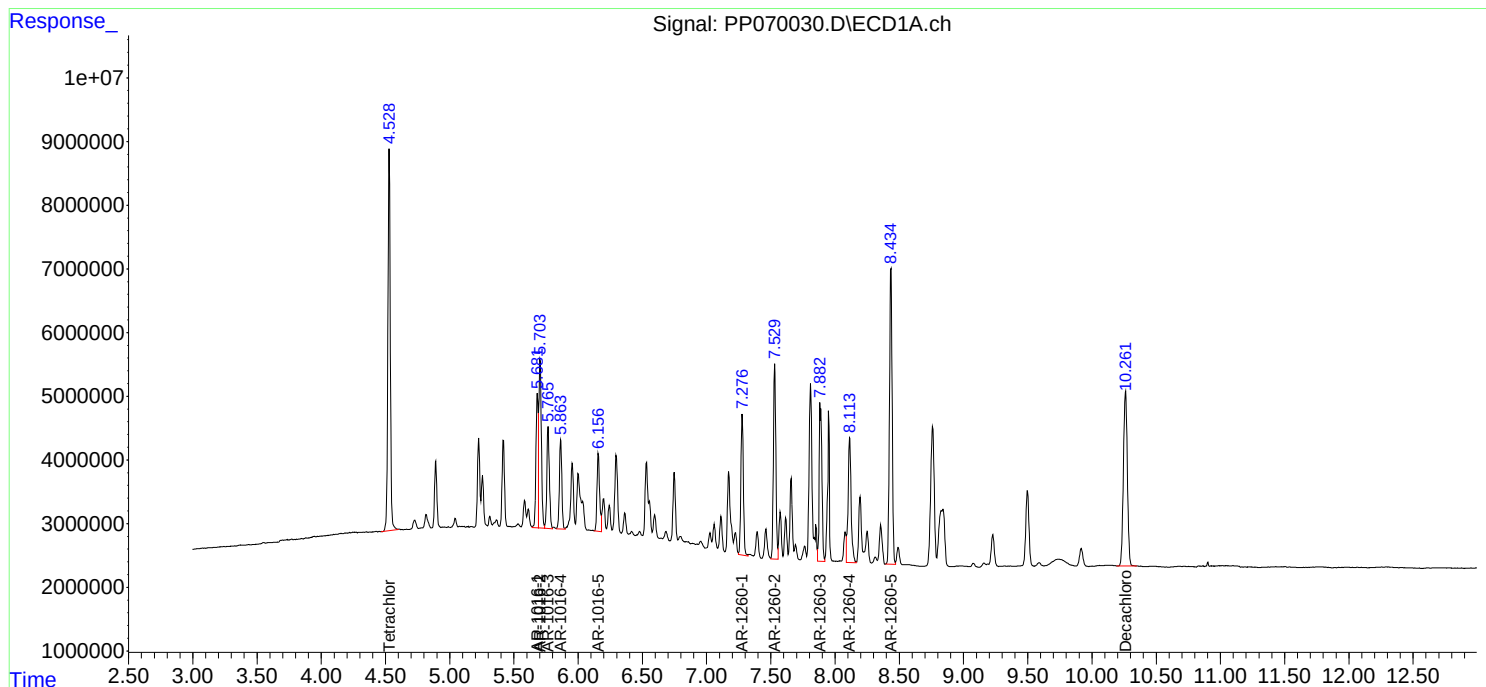
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

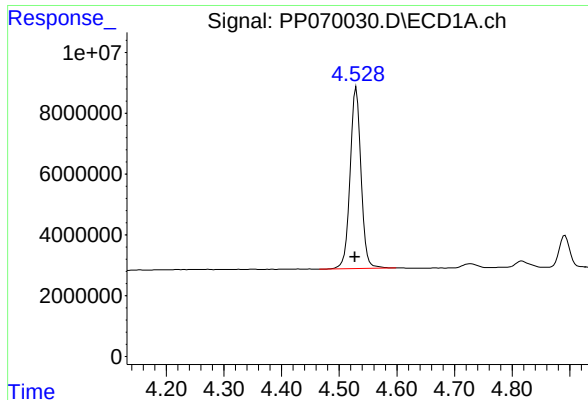
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 09:43
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:46:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

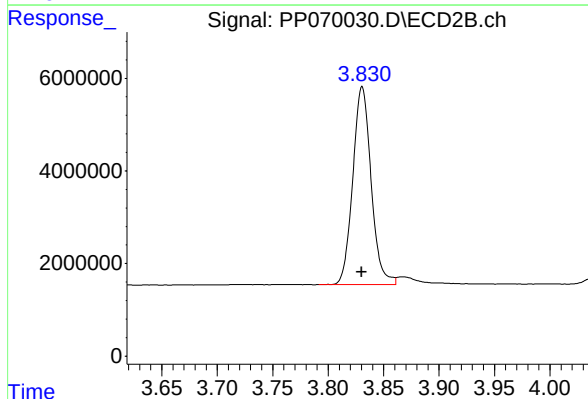




#1 Tetrachloro-m-xylene

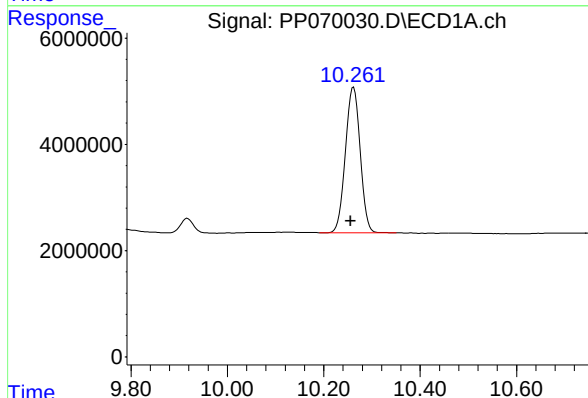
R.T.: 4.529 min
Delta R.T.: 0.002 min
Response: 78349968
Conc: 53.39 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



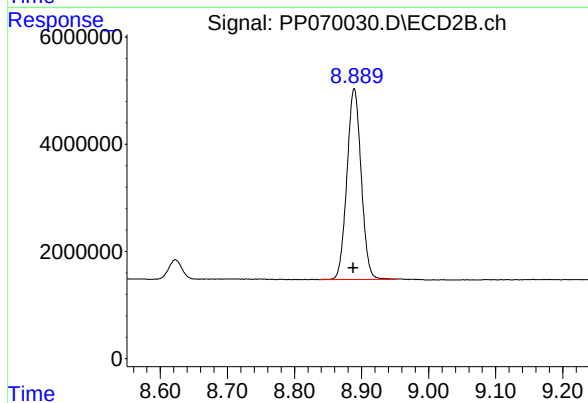
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.000 min
Response: 49088733
Conc: 51.35 ng/ml



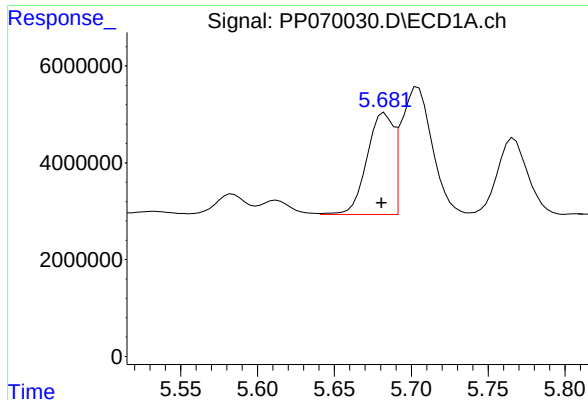
#2 Decachlorobiphenyl

R.T.: 10.262 min
Delta R.T.: 0.006 min
Response: 58722209
Conc: 51.55 ng/ml



#2 Decachlorobiphenyl

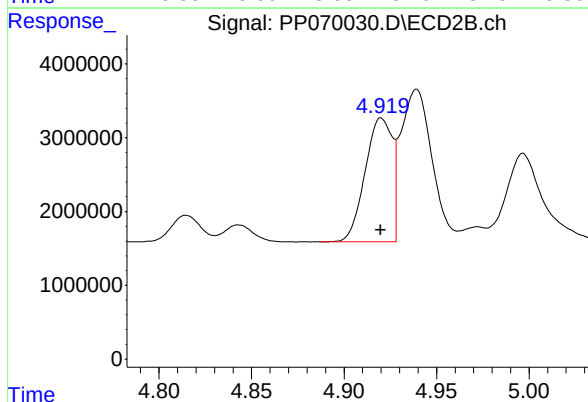
R.T.: 8.889 min
Delta R.T.: 0.001 min
Response: 52615867
Conc: 48.53 ng/ml



#3 AR-1016-1

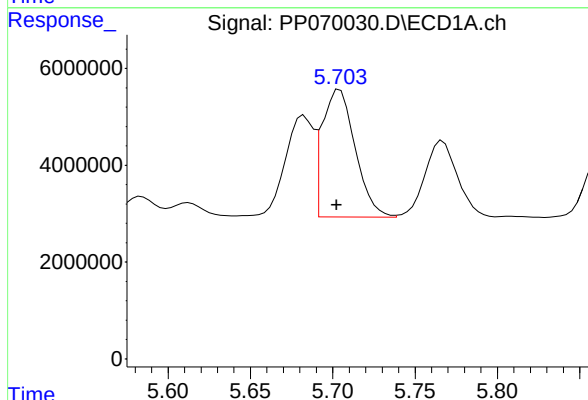
R.T.: 5.683 min
Delta R.T.: 0.002 min
Response: 25208847
Conc: 505.94 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



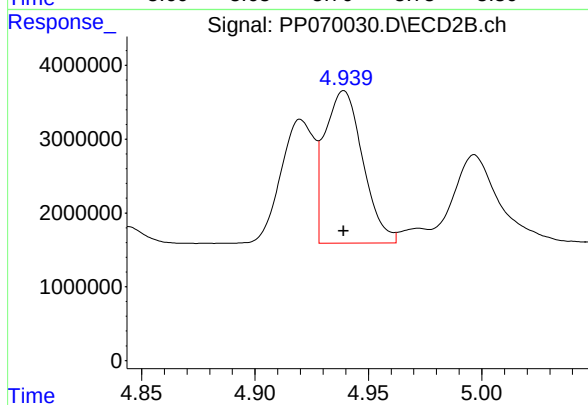
#3 AR-1016-1

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 17095344
Conc: 511.86 ng/ml



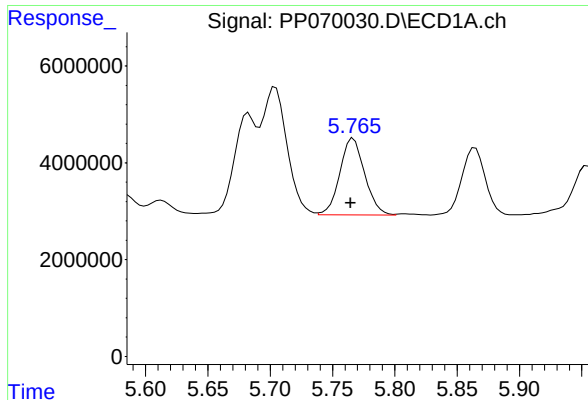
#4 AR-1016-2

R.T.: 5.704 min
Delta R.T.: 0.002 min
Response: 36856613
Conc: 520.74 ng/ml



#4 AR-1016-2

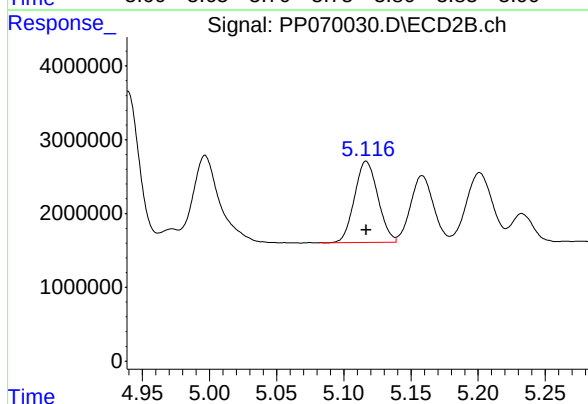
R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 24124756
Conc: 517.76 ng/ml



#5 AR-1016-3

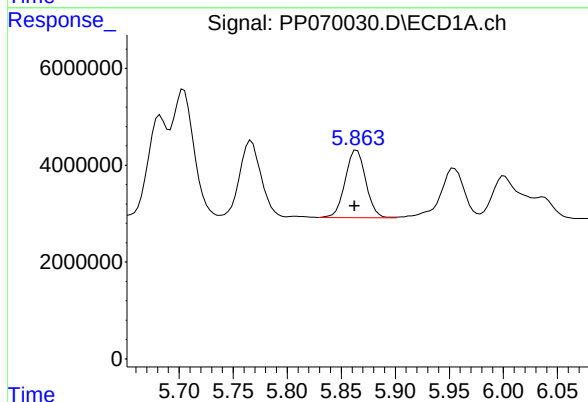
R.T.: 5.767 min
Delta R.T.: 0.002 min
Response: 21933871
Conc: 499.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



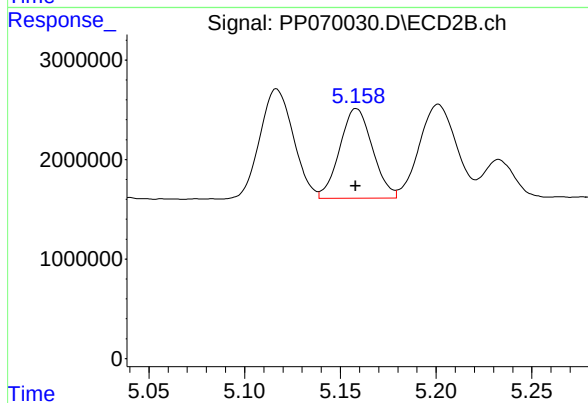
#5 AR-1016-3

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 13411669
Conc: 535.77 ng/ml



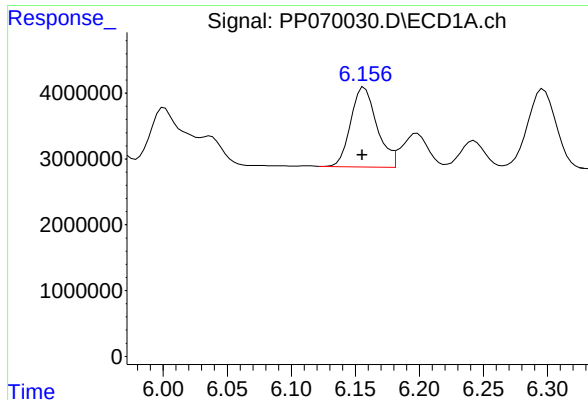
#6 AR-1016-4

R.T.: 5.864 min
Delta R.T.: 0.002 min
Response: 18645493
Conc: 514.20 ng/ml



#6 AR-1016-4

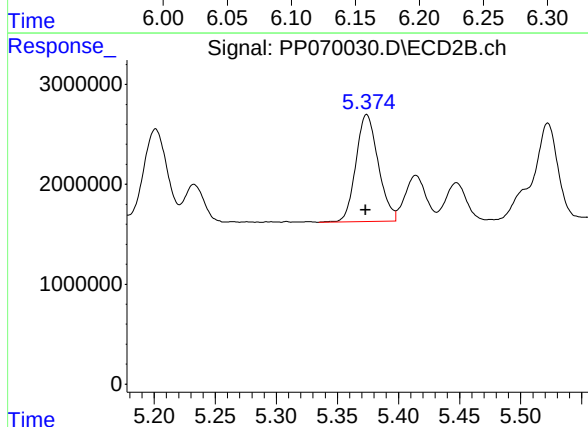
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 10723967
Conc: 534.31 ng/ml



#7 AR-1016-5

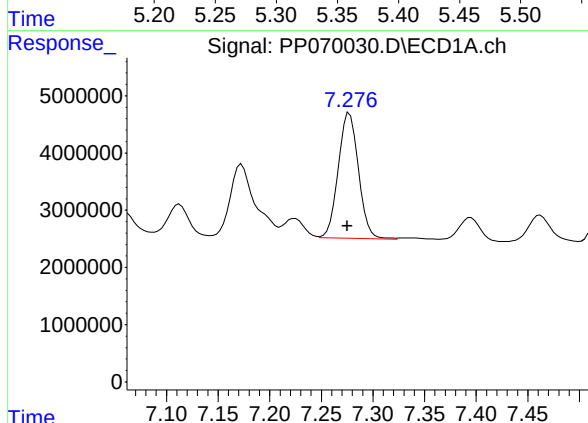
R.T.: 6.157 min
Delta R.T.: 0.002 min
Response: 17244414
Conc: 514.17 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



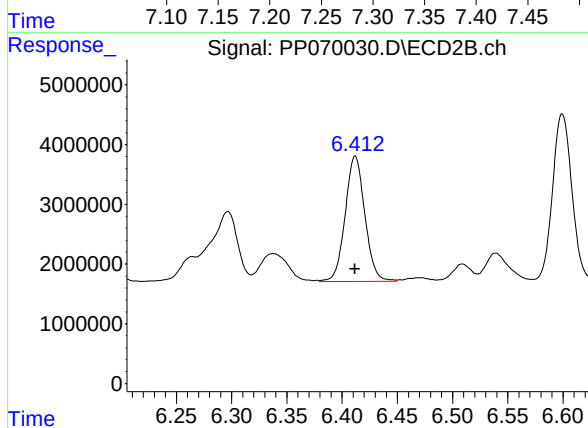
#7 AR-1016-5

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 13698929
Conc: 527.97 ng/ml



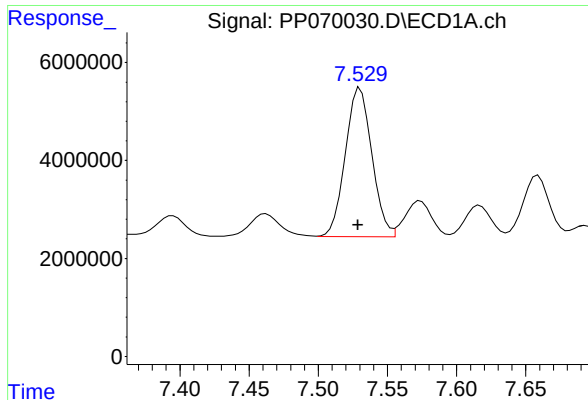
#31 AR-1260-1

R.T.: 7.277 min
Delta R.T.: 0.002 min
Response: 29997986
Conc: 514.02 ng/ml



#31 AR-1260-1

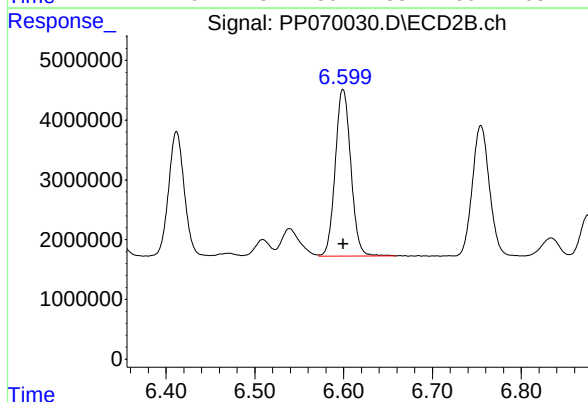
R.T.: 6.412 min
Delta R.T.: 0.000 min
Response: 25946810
Conc: 523.76 ng/ml



#32 AR-1260-2

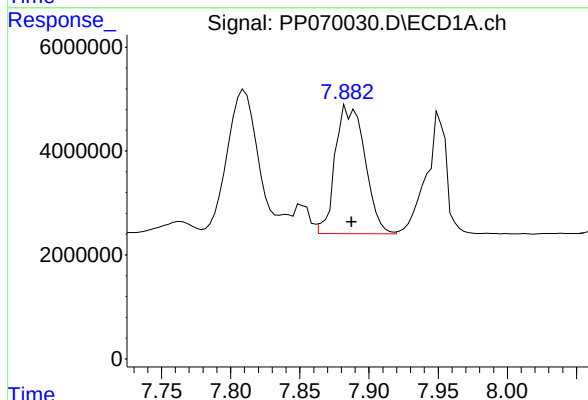
R.T.: 7.530 min
Delta R.T.: 0.002 min
Response: 40561362
Conc: 496.31 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



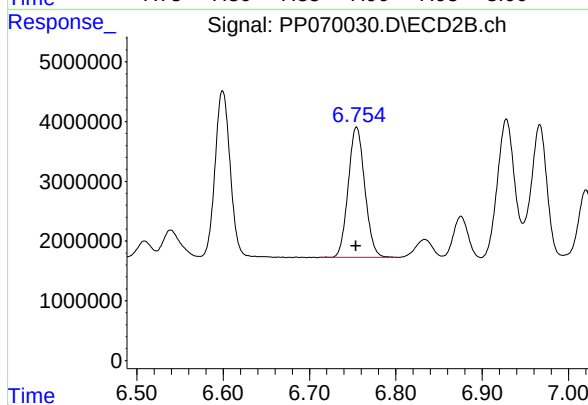
#32 AR-1260-2

R.T.: 6.599 min
Delta R.T.: 0.000 min
Response: 34039020
Conc: 520.31 ng/ml



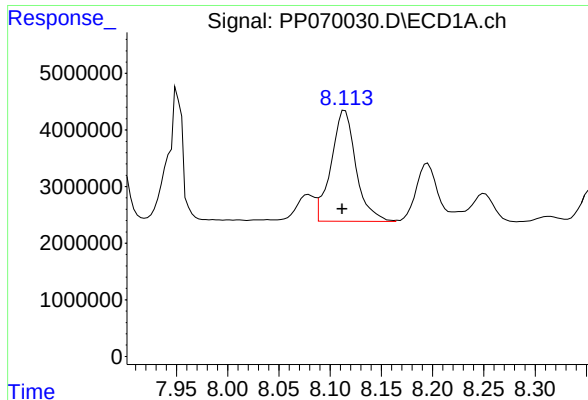
#33 AR-1260-3

R.T.: 7.884 min
Delta R.T.: -0.004 min
Response: 36738146
Conc: 585.37 ng/ml



#33 AR-1260-3

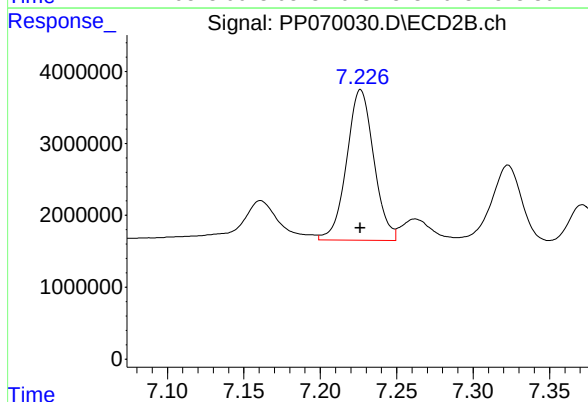
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 29134944
Conc: 482.99 ng/ml



#34 AR-1260-4

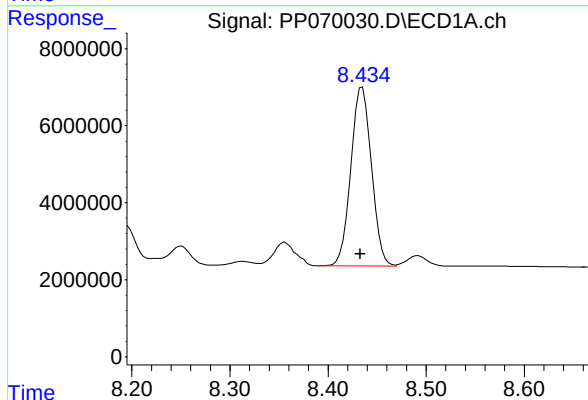
R.T.: 8.115 min
Delta R.T.: 0.003 min
Response: 32939664
Conc: 519.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



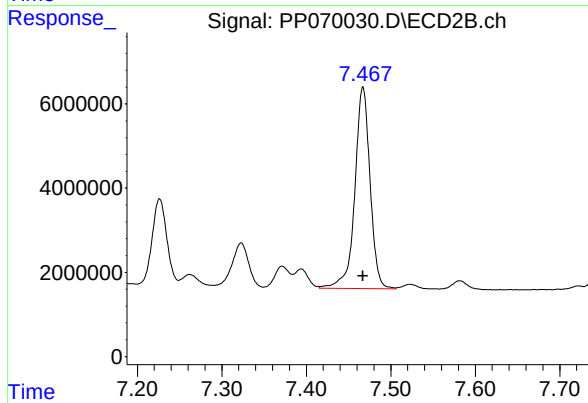
#34 AR-1260-4

R.T.: 7.226 min
Delta R.T.: 0.000 min
Response: 26028539
Conc: 532.64 ng/ml



#35 AR-1260-5

R.T.: 8.435 min
Delta R.T.: 0.002 min
Response: 67644562
Conc: 515.64 ng/ml



#35 AR-1260-5

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 59998052
Conc: 503.45 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 15:27 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.77	5.77	5.67	5.87	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.16	6.16	6.06	6.26	0.00
Aroclor-1260-1	(1)	7.28	7.28	7.18	7.38	0.00
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.89	7.89	7.79	7.99	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.26	10.26	10.16	10.36	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 15:27 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-4	(4)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-5	(5)	5.38	5.37	5.27	5.47	-0.01
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-3	(3)	6.76	6.75	6.65	6.85	-0.01
Aroclor-1260-4	(4)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-5	(5)	7.47	7.47	7.37	7.57	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.89	8.89	8.79	8.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL02 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070045.D Time Analyzed: 15:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.682	5.581	5.781	493.070	500.000	-1.4
Aroclor-1016-2	5.703	5.602	5.802	488.280	500.000	-2.3
Aroclor-1016-3	5.766	5.665	5.865	485.740	500.000	-2.9
Aroclor-1016-4	5.863	5.762	5.962	479.880	500.000	-4.0
Aroclor-1016-5	6.156	6.056	6.256	494.780	500.000	-1.0
Aroclor-1260-1	7.276	7.175	7.375	470.130	500.000	-6.0
Aroclor-1260-2	7.529	7.429	7.629	457.880	500.000	-8.4
Aroclor-1260-3	7.888	7.788	7.988	484.630	500.000	-3.1
Aroclor-1260-4	8.113	8.012	8.212	477.180	500.000	-4.6
Aroclor-1260-5	8.433	8.333	8.533	494.540	500.000	-1.1
Decachlorobiphenyl	10.258	10.156	10.356	49.540	50.000	-0.9
Tetrachloro-m-xylene	4.528	4.427	4.627	50.690	50.000	1.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL02 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070045.D Time Analyzed: 15:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.922	4.820	5.020	474.050	500.000	-5.2
Aroclor-1016-2	4.941	4.839	5.039	475.050	500.000	-5.0
Aroclor-1016-3	5.118	5.017	5.217	482.530	500.000	-3.5
Aroclor-1016-4	5.160	5.058	5.258	484.710	500.000	-3.1
Aroclor-1016-5	5.375	5.273	5.473	481.080	500.000	-3.8
Aroclor-1260-1	6.413	6.312	6.512	468.300	500.000	-6.3
Aroclor-1260-2	6.601	6.500	6.700	476.360	500.000	-4.7
Aroclor-1260-3	6.755	6.654	6.854	428.530	500.000	-14.3
Aroclor-1260-4	7.228	7.126	7.326	444.280	500.000	-11.1
Aroclor-1260-5	7.468	7.367	7.567	467.420	500.000	-6.5
Decachlorobiphenyl	8.890	8.788	8.988	46.920	50.000	-6.2
Tetrachloro-m-xylene	3.832	3.730	3.930	48.180	50.000	-3.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:27
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:56:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.528	3.832	74397515	46058422	50.693	48.177
2) SA Decachlor...	10.258	8.890	56425536	50864006	49.538	46.918
Target Compounds						
3) L1 AR-1016-1	5.682	4.922	24567800	15832530	493.070	474.048
4) L1 AR-1016-2	5.703	4.941	34559259	22134475	488.277	475.047
5) L1 AR-1016-3	5.766	5.118	21335100	12078903	485.745	482.530
6) L1 AR-1016-4	5.863	5.160	17401108	9728363	479.880	484.705
7) L1 AR-1016-5	6.156	5.375	16594148	12482331	494.778	481.079
31) L7 AR-1260-1	7.276	6.413	27436775	23199151	470.130	468.298
32) L7 AR-1260-2	7.529	6.601	37420144	31163506	457.877	476.360
33) L7 AR-1260-3	7.888	6.755	30415606	25850100	484.625	428.535
34) L7 AR-1260-4	8.113	7.228	30253710	21710637	477.180	444.277
35) L7 AR-1260-5	8.433	7.468	64876195	55704567	494.541	467.419

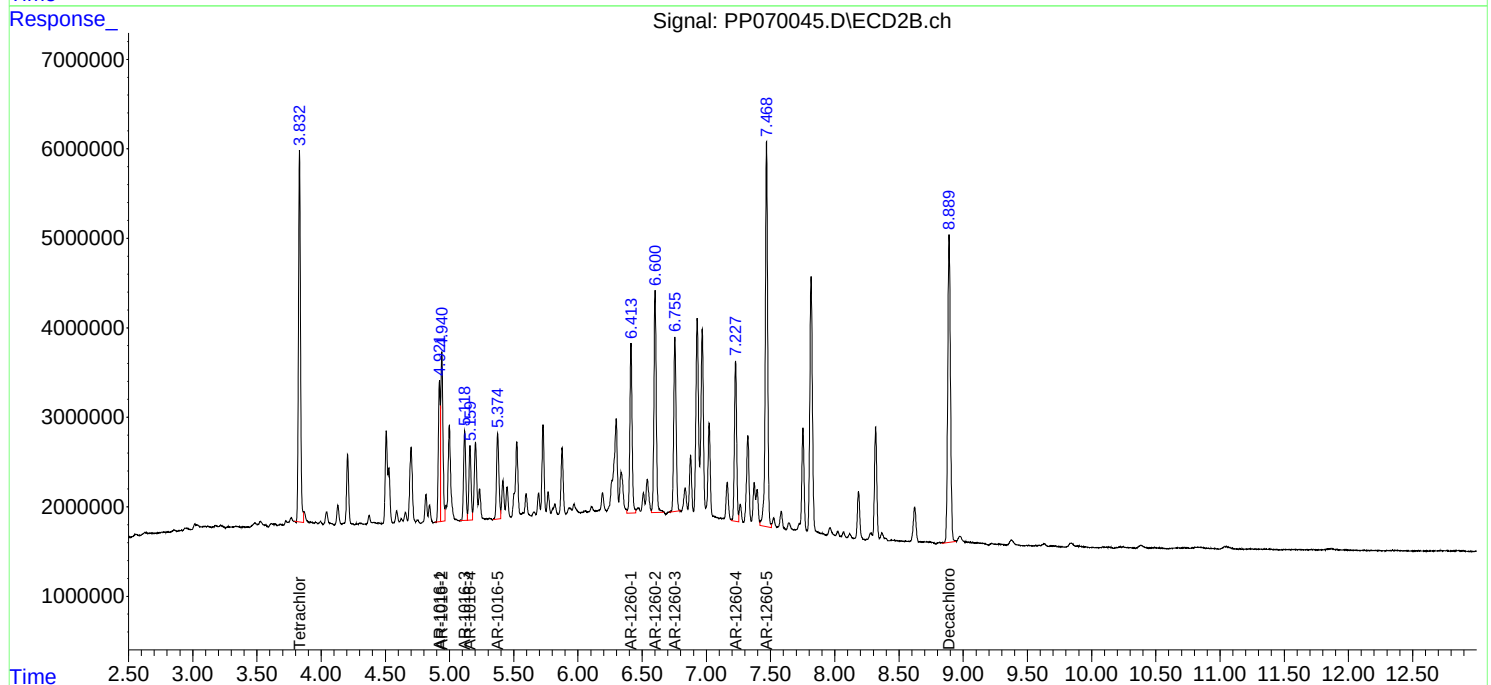
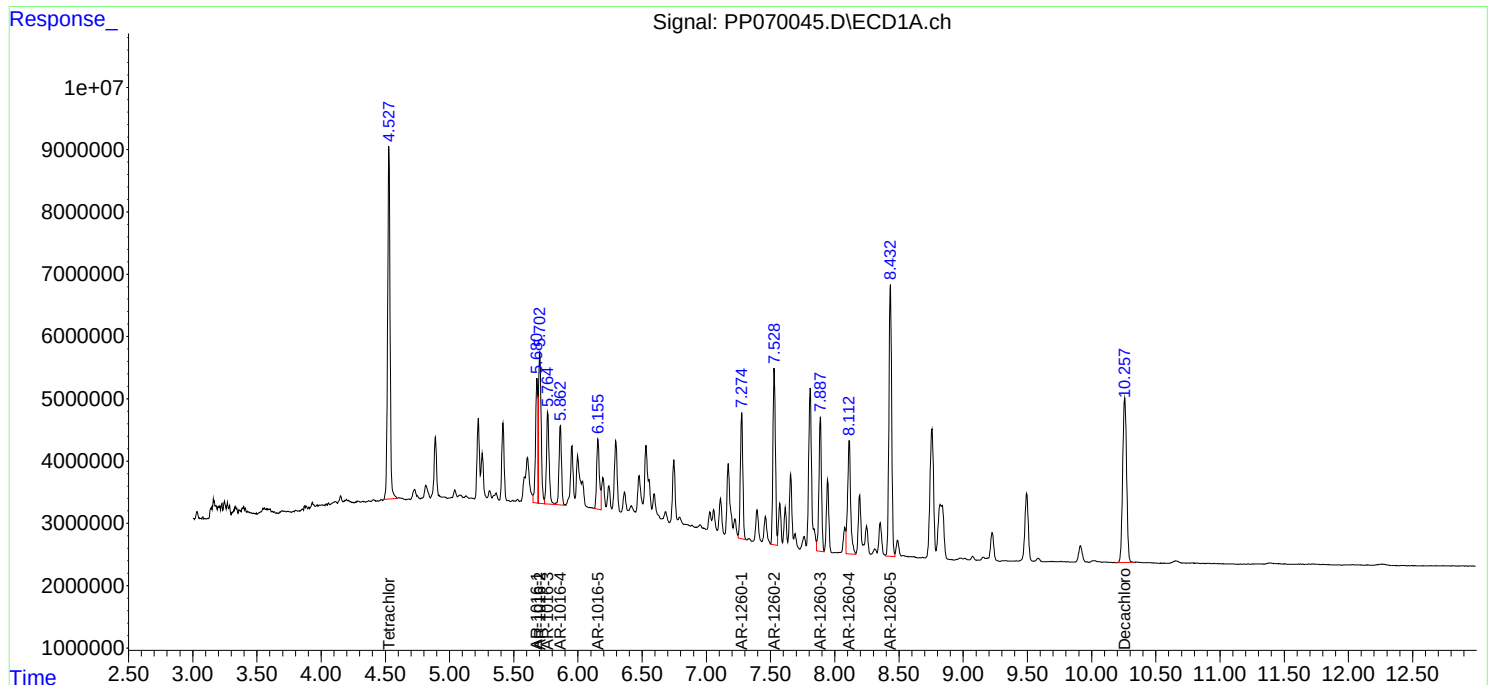
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

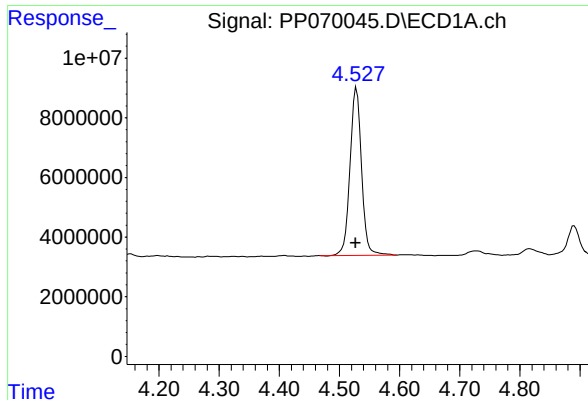
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:27
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:56:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

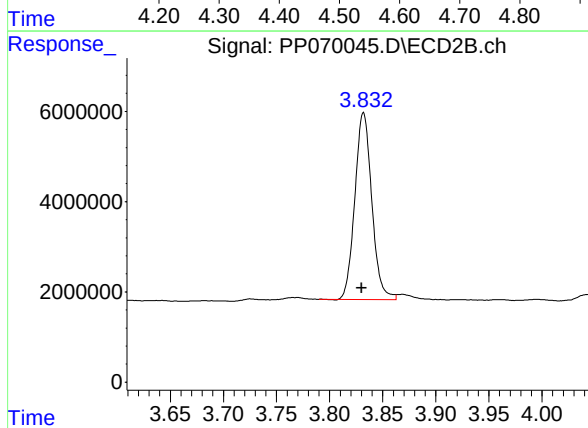




#1 Tetrachloro-m-xylene

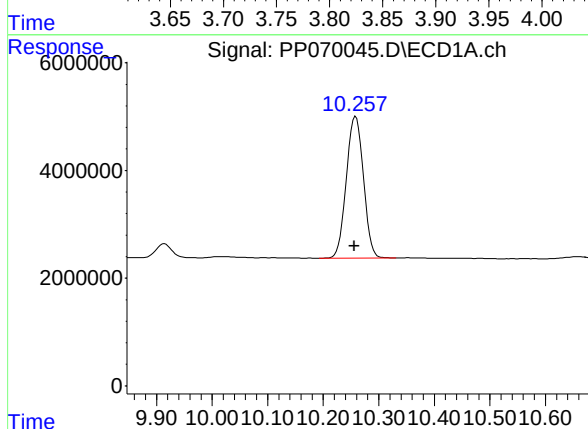
R.T.: 4.528 min
Delta R.T.: 0.001 min
Response: 74397515
Conc: 50.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



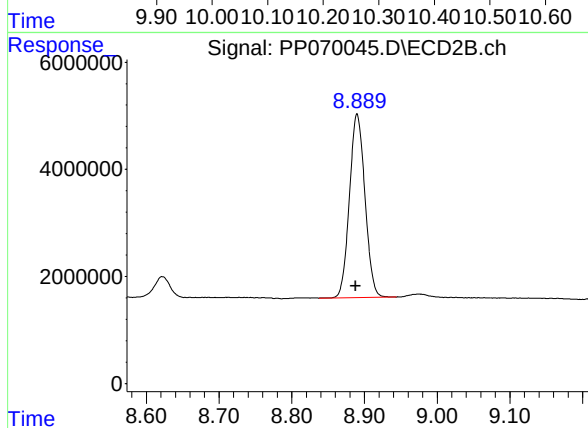
#1 Tetrachloro-m-xylene

R.T.: 3.832 min
Delta R.T.: 0.002 min
Response: 46058422
Conc: 48.18 ng/ml



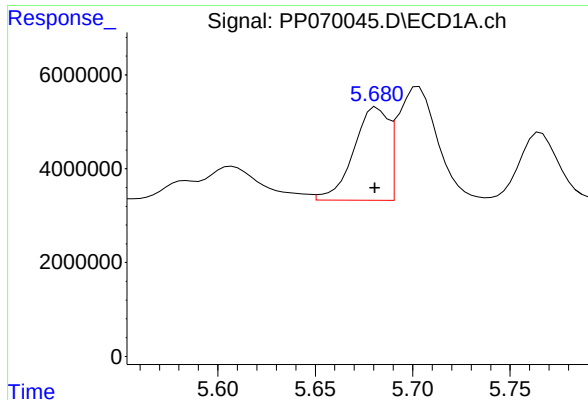
#2 Decachlorobiphenyl

R.T.: 10.258 min
Delta R.T.: 0.002 min
Response: 56425536
Conc: 49.54 ng/ml



#2 Decachlorobiphenyl

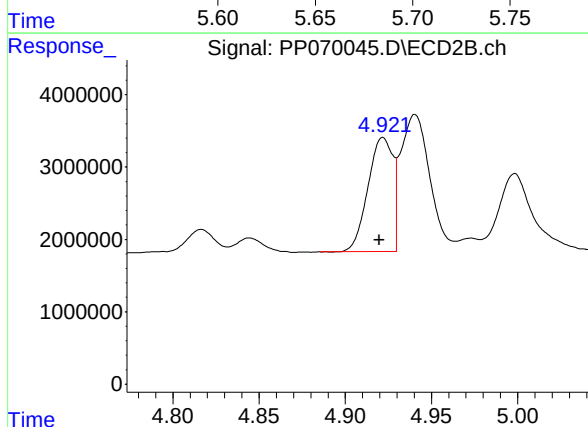
R.T.: 8.890 min
Delta R.T.: 0.002 min
Response: 50864006
Conc: 46.92 ng/ml



#3 AR-1016-1

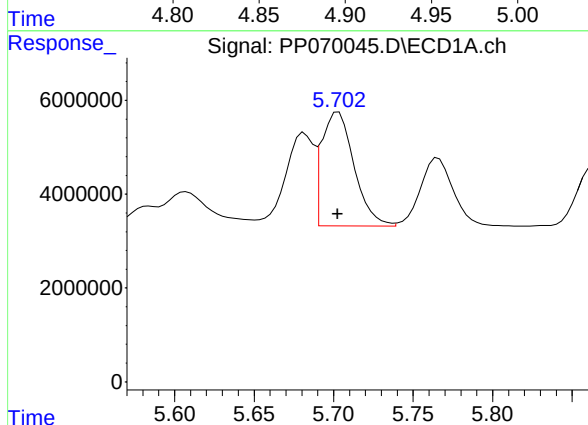
R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 24567800
Conc: 493.07 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



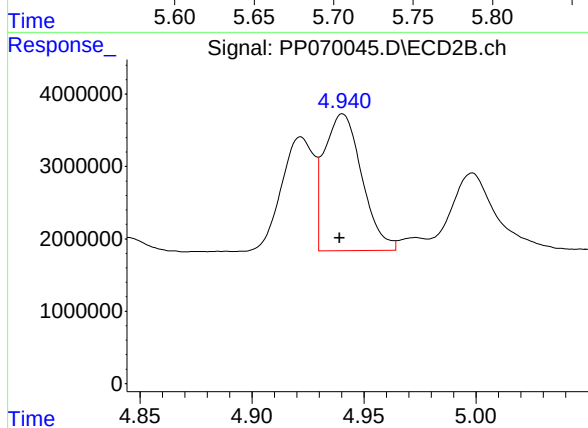
#3 AR-1016-1

R.T.: 4.922 min
Delta R.T.: 0.002 min
Response: 15832530
Conc: 474.05 ng/ml



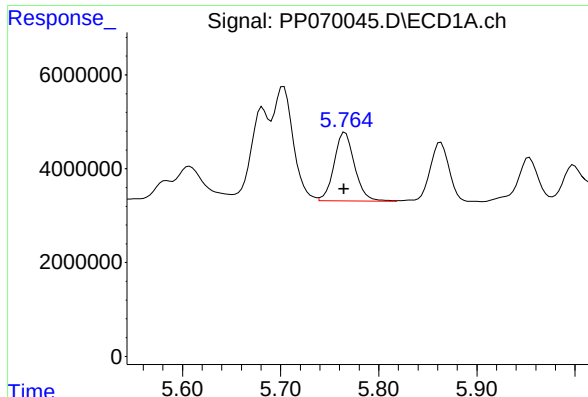
#4 AR-1016-2

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 34559259
Conc: 488.28 ng/ml



#4 AR-1016-2

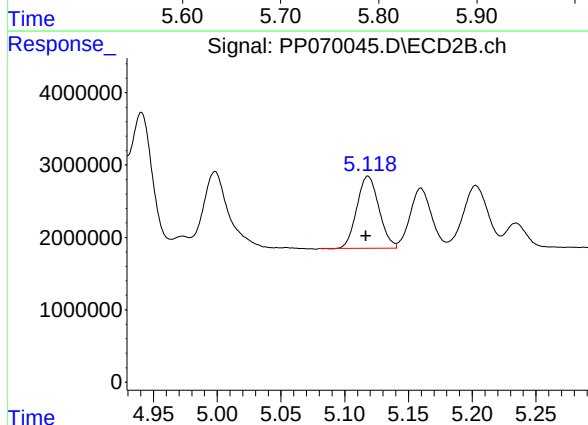
R.T.: 4.941 min
Delta R.T.: 0.001 min
Response: 22134475
Conc: 475.05 ng/ml



#5 AR-1016-3

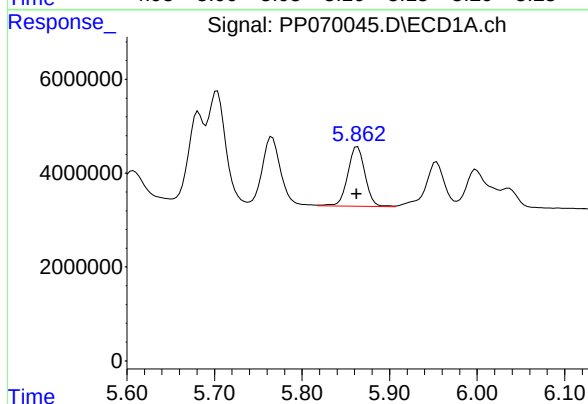
R.T.: 5.766 min
Delta R.T.: 0.001 min
Response: 21335100
Conc: 485.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



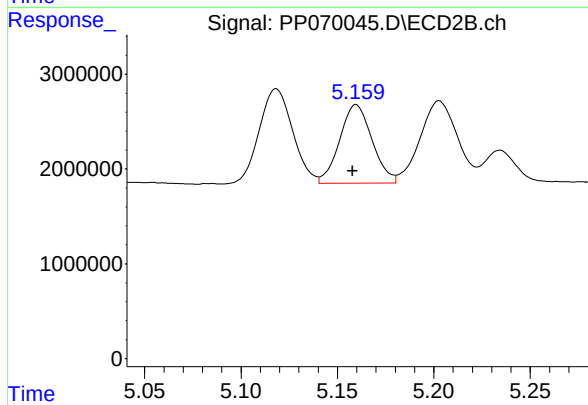
#5 AR-1016-3

R.T.: 5.118 min
Delta R.T.: 0.001 min
Response: 12078903
Conc: 482.53 ng/ml



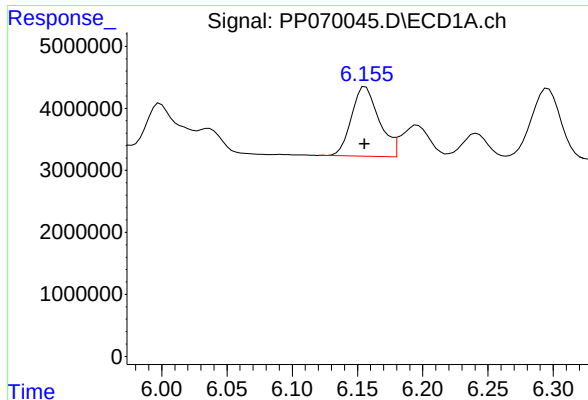
#6 AR-1016-4

R.T.: 5.863 min
Delta R.T.: 0.001 min
Response: 17401108
Conc: 479.88 ng/ml



#6 AR-1016-4

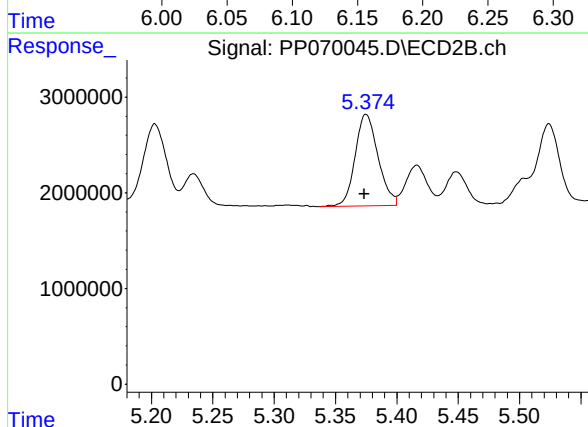
R.T.: 5.160 min
Delta R.T.: 0.002 min
Response: 9728363
Conc: 484.71 ng/ml



#7 AR-1016-5

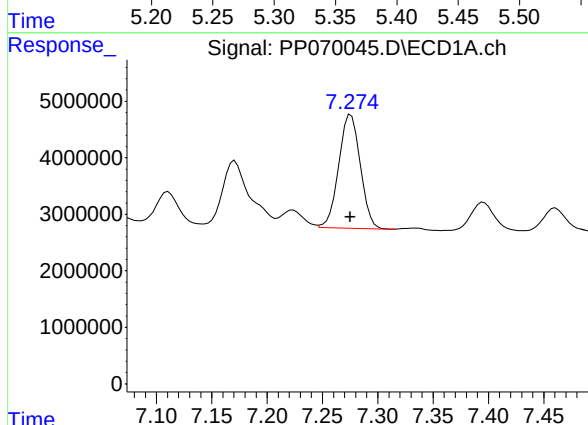
R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 16594148
Conc: 494.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



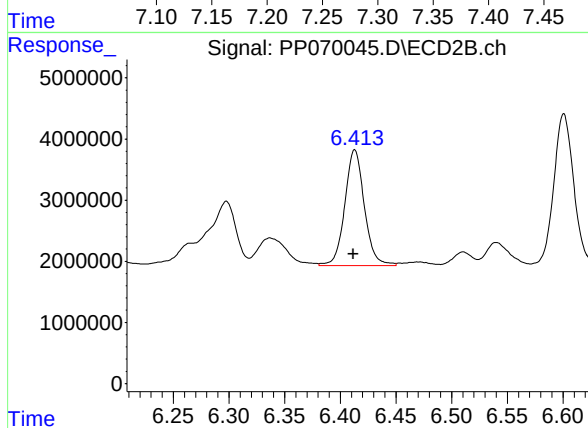
#7 AR-1016-5

R.T.: 5.375 min
Delta R.T.: 0.002 min
Response: 12482331
Conc: 481.08 ng/ml



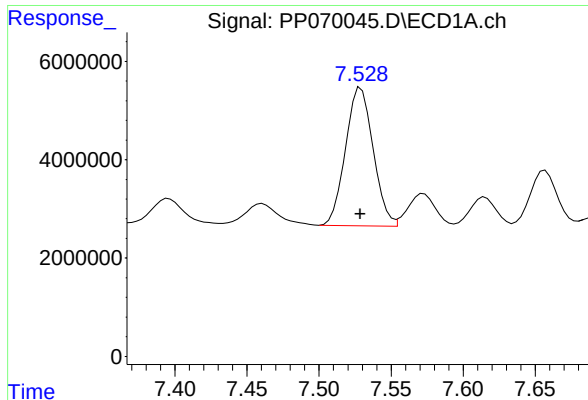
#31 AR-1260-1

R.T.: 7.276 min
Delta R.T.: 0.000 min
Response: 27436775
Conc: 470.13 ng/ml



#31 AR-1260-1

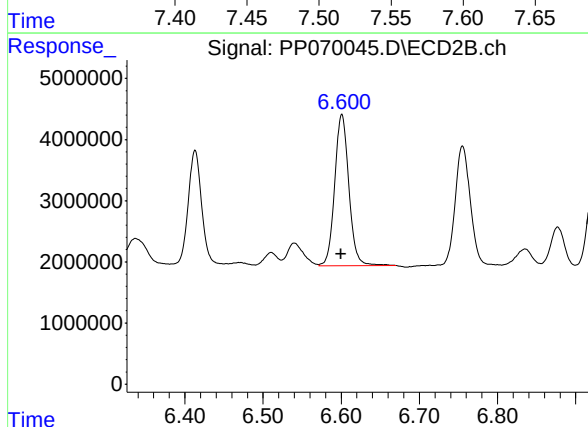
R.T.: 6.413 min
Delta R.T.: 0.001 min
Response: 23199151
Conc: 468.30 ng/ml



#32 AR-1260-2

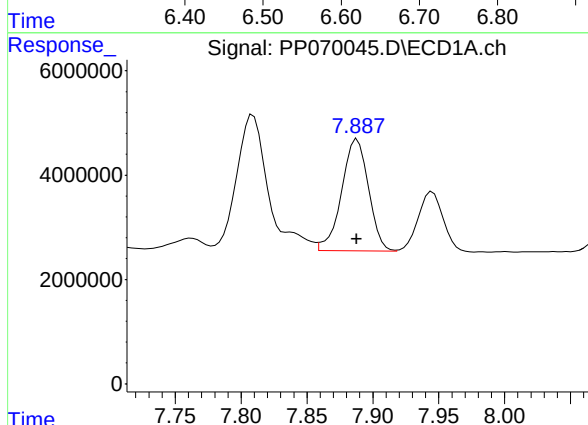
R.T.: 7.529 min
Delta R.T.: 0.000 min
Response: 37420144
Conc: 457.88 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



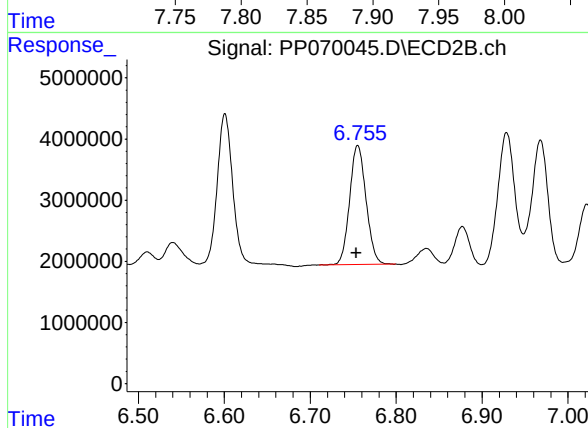
#32 AR-1260-2

R.T.: 6.601 min
Delta R.T.: 0.001 min
Response: 31163506
Conc: 476.36 ng/ml



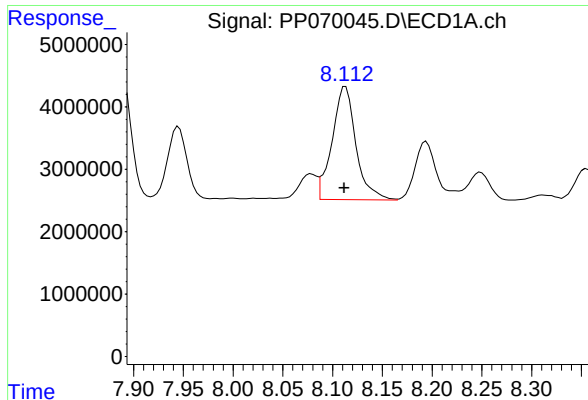
#33 AR-1260-3

R.T.: 7.888 min
Delta R.T.: 0.000 min
Response: 30415606
Conc: 484.63 ng/ml



#33 AR-1260-3

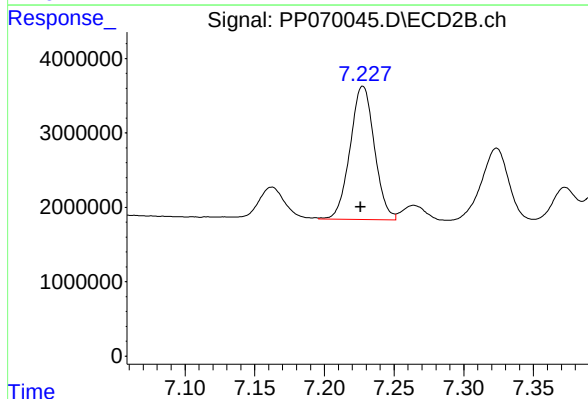
R.T.: 6.755 min
Delta R.T.: 0.002 min
Response: 25850100
Conc: 428.53 ng/ml



#34 AR-1260-4

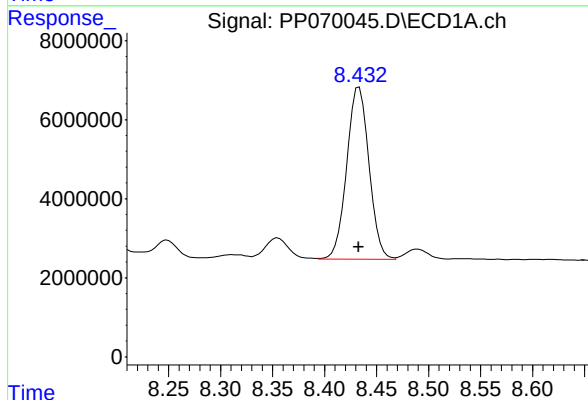
R.T.: 8.113 min
Delta R.T.: 0.001 min
Response: 30253710
Conc: 477.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500



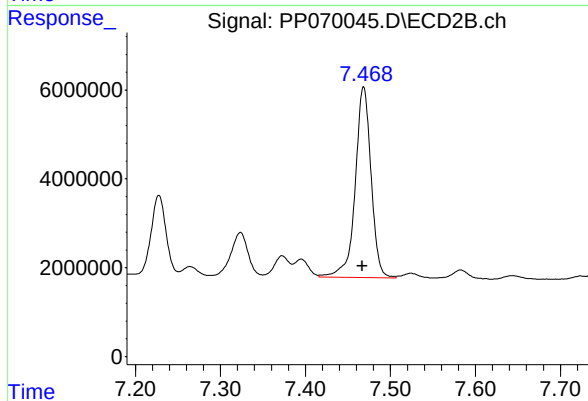
#34 AR-1260-4

R.T.: 7.228 min
Delta R.T.: 0.002 min
Response: 21710637
Conc: 444.28 ng/ml



#35 AR-1260-5

R.T.: 8.433 min
Delta R.T.: 0.000 min
Response: 64876195
Conc: 494.54 ng/ml



#35 AR-1260-5

R.T.: 7.468 min
Delta R.T.: 0.001 min
Response: 55704567
Conc: 467.42 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 19:04 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.77	5.67	5.87	0.01
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.16	6.06	6.26	0.01
Aroclor-1260-1	(1)	7.27	7.28	7.18	7.38	0.01
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.89	7.89	7.79	7.99	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.26	10.26	10.16	10.36	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 19:04 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-4	(4)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.00
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-3	(3)	6.75	6.75	6.65	6.85	0.00
Aroclor-1260-4	(4)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-5	(5)	7.47	7.47	7.37	7.57	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.89	8.89	8.79	8.99	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL03 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070057.D Time Analyzed: 19:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.681	5.581	5.781	504.510	500.000	0.9
Aroclor-1016-2	5.702	5.602	5.802	518.780	500.000	3.8
Aroclor-1016-3	5.764	5.665	5.865	596.270	500.000	19.3
Aroclor-1016-4	5.862	5.762	5.962	533.560	500.000	6.7
Aroclor-1016-5	6.154	6.056	6.256	597.690	500.000	19.5
Aroclor-1260-1	7.274	7.175	7.375	546.230	500.000	9.2
Aroclor-1260-2	7.528	7.429	7.629	485.180	500.000	-3.0
Aroclor-1260-3	7.886	7.788	7.988	518.870	500.000	3.8
Aroclor-1260-4	8.111	8.012	8.212	508.370	500.000	1.7
Aroclor-1260-5	8.432	8.333	8.533	517.950	500.000	3.6
Decachlorobiphenyl	10.255	10.156	10.356	51.200	50.000	2.4
Tetrachloro-m-xylene	4.528	4.427	4.627	53.380	50.000	6.8



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL03 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070057.D Time Analyzed: 19:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.920	4.820	5.020	505.210	500.000	1.0
Aroclor-1016-2	4.939	4.839	5.039	502.910	500.000	0.6
Aroclor-1016-3	5.117	5.017	5.217	516.640	500.000	3.3
Aroclor-1016-4	5.158	5.058	5.258	509.820	500.000	2.0
Aroclor-1016-5	5.373	5.273	5.473	534.740	500.000	6.9
Aroclor-1260-1	6.412	6.312	6.512	491.190	500.000	-1.8
Aroclor-1260-2	6.599	6.500	6.700	491.950	500.000	-1.6
Aroclor-1260-3	6.753	6.654	6.854	476.690	500.000	-4.7
Aroclor-1260-4	7.226	7.126	7.326	539.140	500.000	7.8
Aroclor-1260-5	7.467	7.367	7.567	529.100	500.000	5.8
Decachlorobiphenyl	8.888	8.788	8.988	53.790	50.000	7.6
Tetrachloro-m-xylene	3.831	3.730	3.930	50.160	50.000	0.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070057.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 19:04
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/26/2025
 Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 04:02:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.528	3.831	78339780	47949875	53.379	50.155
2) SA Decachlor...	10.255	8.888	58315603	58310710	51.197	53.787
Target Compounds						
3) L1 AR-1016-1	5.681	4.920	25137842	16873238	504.511	505.208
4) L1 AR-1016-2	5.702	4.939	36718108	23432653	518.779	502.909
5) L1 AR-1016-3	5.764	5.117	26189575	12932829	596.269	516.643
6) L1 AR-1016-4	5.862	5.158	19347672	10232473	533.562	509.822
7) L1 AR-1016-5	6.154	5.373	20045622	13874739	597.689m	534.743
31) L7 AR-1260-1	7.274	6.412	31878203	24333076	546.234	491.188
32) L7 AR-1260-2	7.528	6.599	39651647	32183568	485.182	491.952
33) L7 AR-1260-3	7.886	6.753	32564537	28754642	518.865	476.685
34) L7 AR-1260-4	8.111	7.226	32231185	26346327	508.370	539.139
35) L7 AR-1260-5	8.432	7.467	67947383	63055432	517.952	529.100

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070057.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 19:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

AR1660CCC500

Manual Integrations

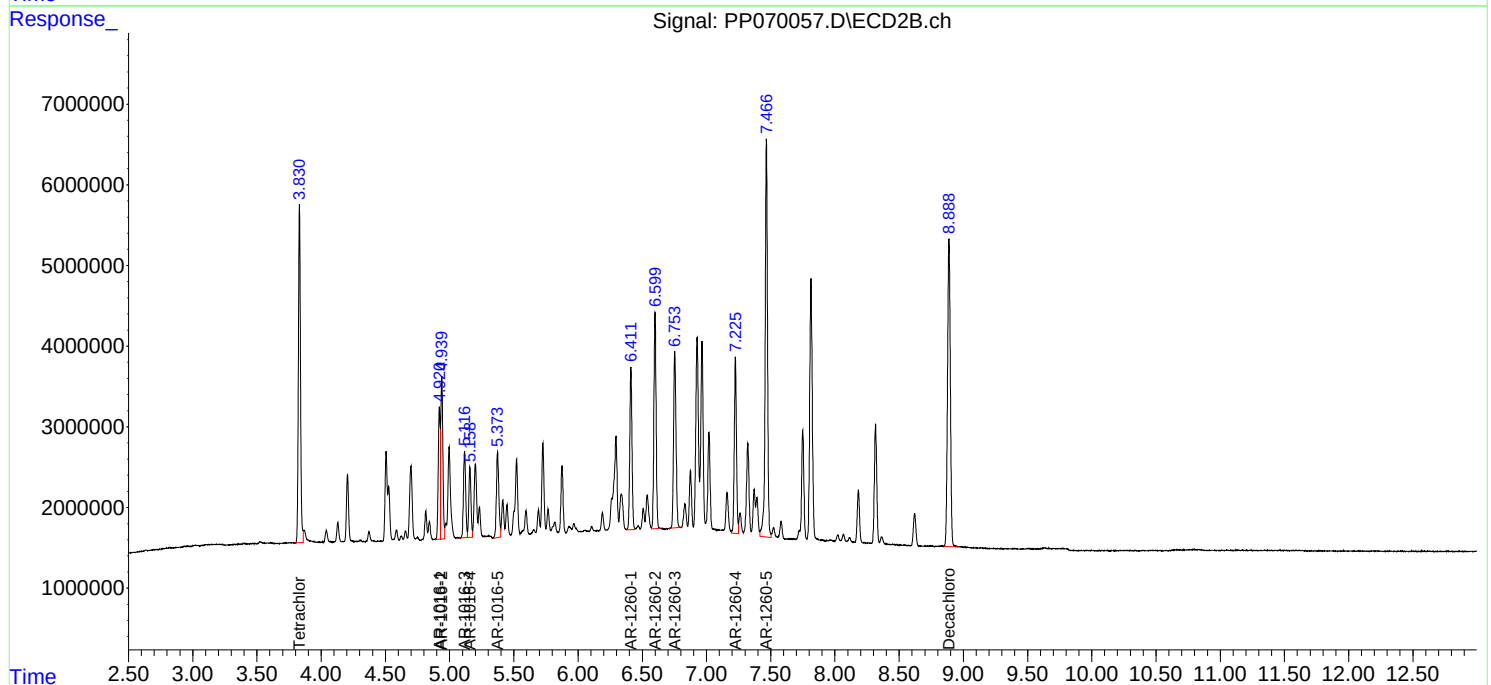
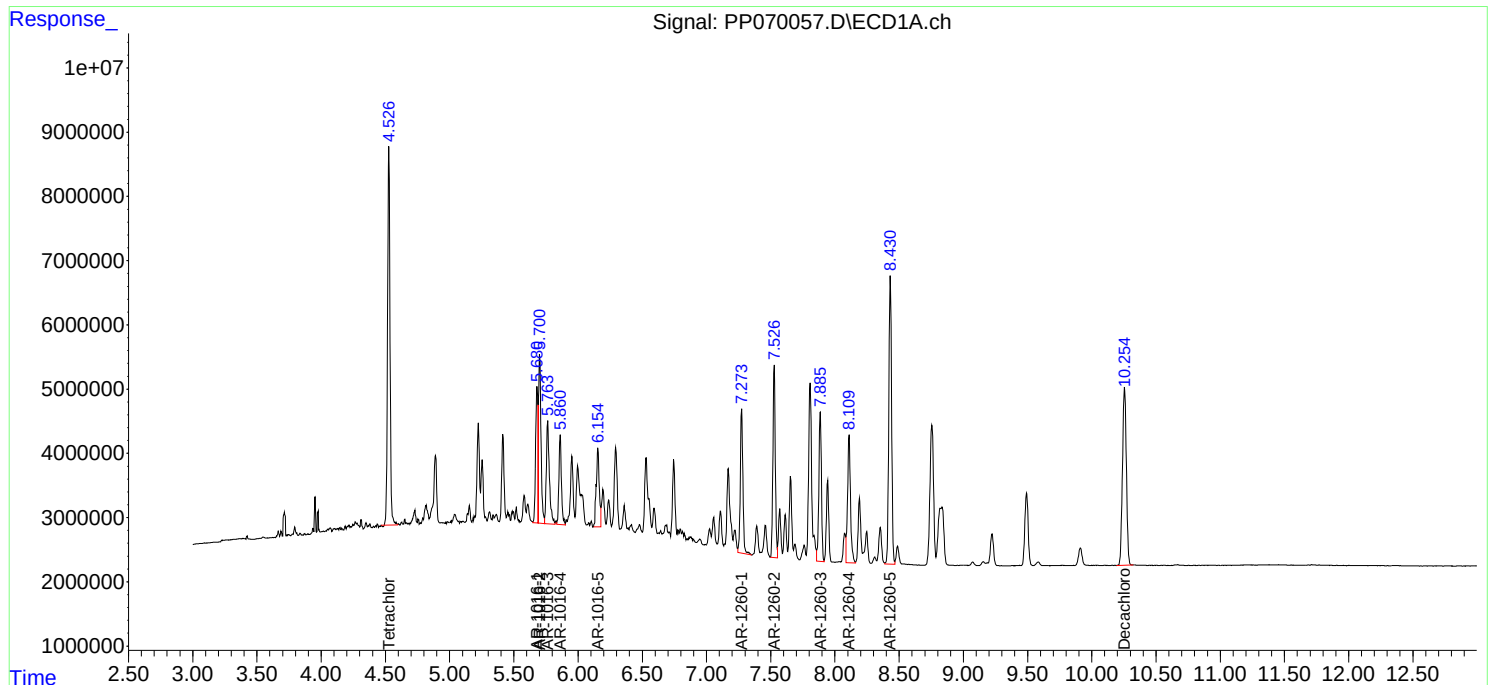
APPROVED

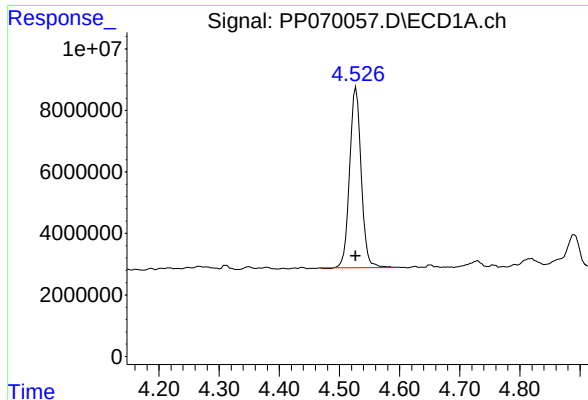
Reviewed By :Yogesh Patel 02/26/2025

Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 04:02:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





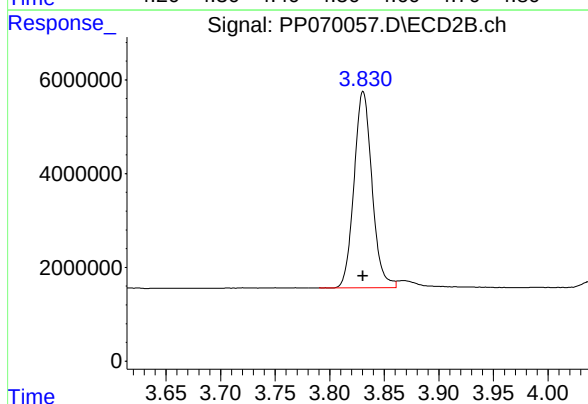
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 78339780
Conc: 53.38 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

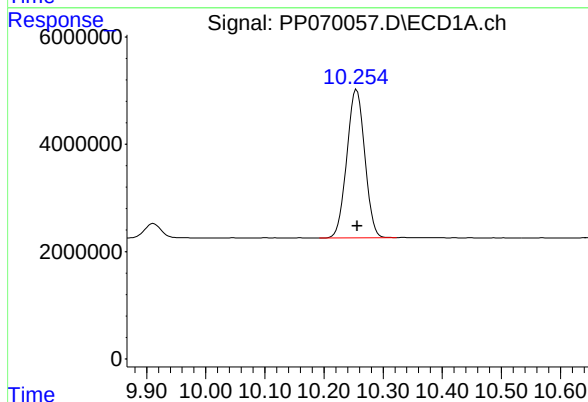
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



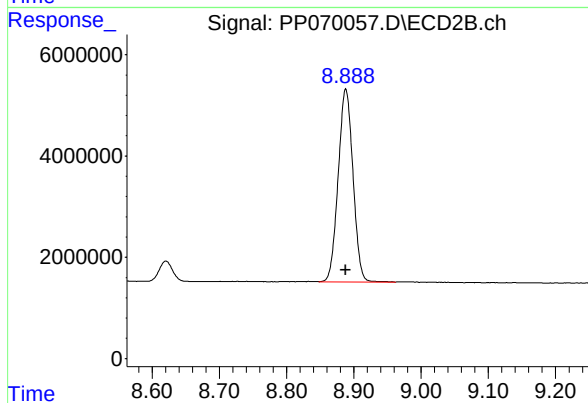
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.000 min
Response: 47949875
Conc: 50.16 ng/ml



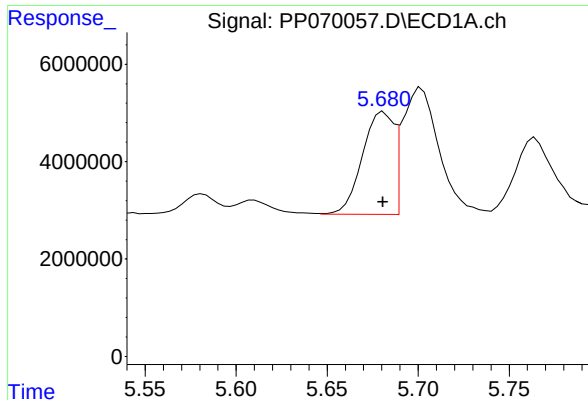
#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 58315603
Conc: 51.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 58310710
Conc: 53.79 ng/ml



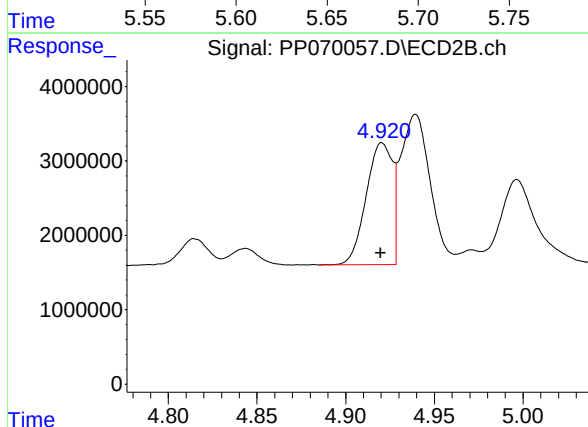
#3 AR-1016-1

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 25137842
Conc: 504.51 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

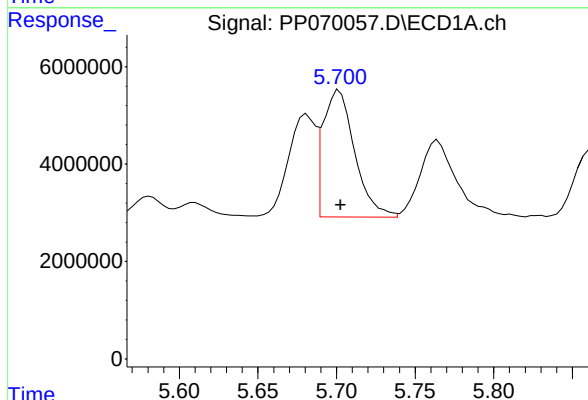
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



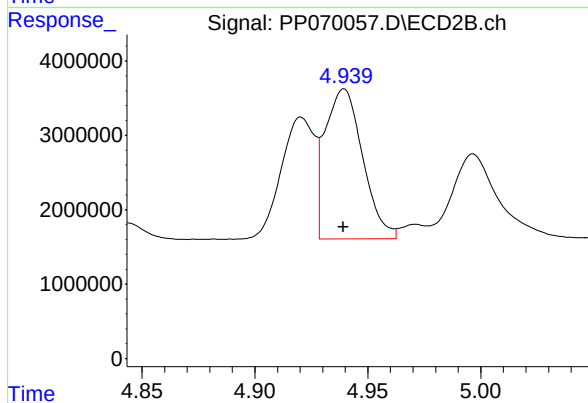
#3 AR-1016-1

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 16873238
Conc: 505.21 ng/ml



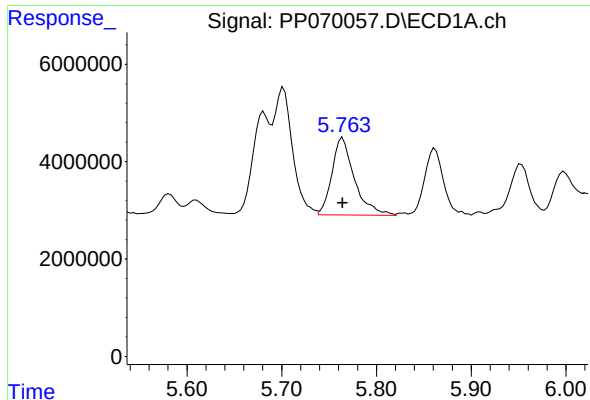
#4 AR-1016-2

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 36718108
Conc: 518.78 ng/ml



#4 AR-1016-2

R.T.: 4.939 min
Delta R.T.: 0.000 min
Response: 23432653
Conc: 502.91 ng/ml



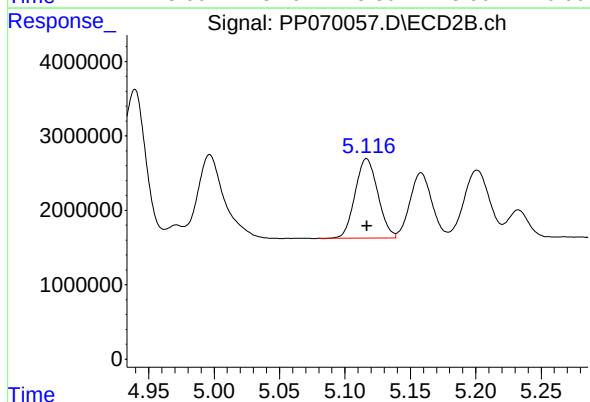
#5 AR-1016-3

R.T.: 5.764 min
Delta R.T.: 0.000 min
Response: 26189575
Conc: 596.27 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

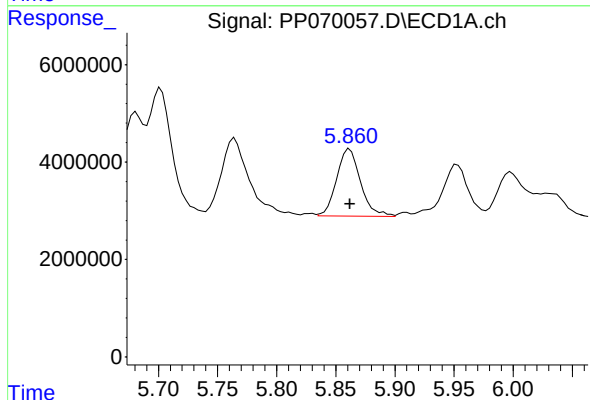
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



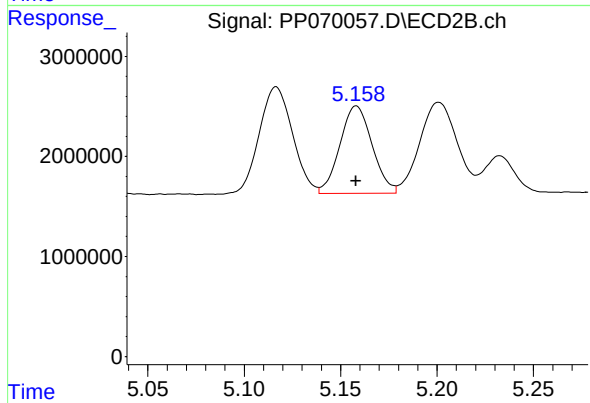
#5 AR-1016-3

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 12932829
Conc: 516.64 ng/ml



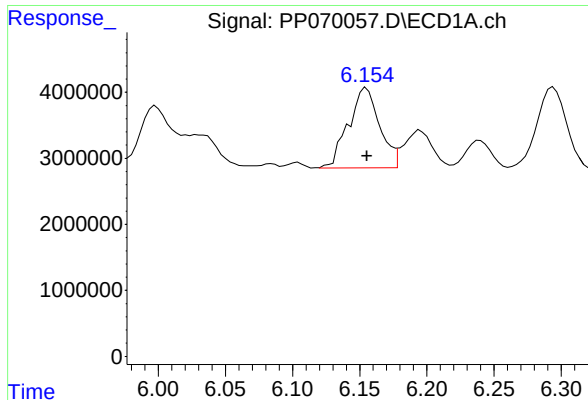
#6 AR-1016-4

R.T.: 5.862 min
Delta R.T.: 0.000 min
Response: 19347672
Conc: 533.56 ng/ml



#6 AR-1016-4

R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 10232473
Conc: 509.82 ng/ml



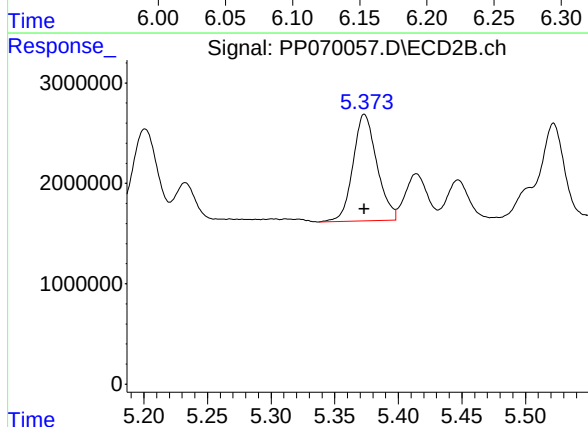
#7 AR-1016-5

R.T.: 6.154 min
Delta R.T.: -0.002 min
Response: 20045622
Conc: 597.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

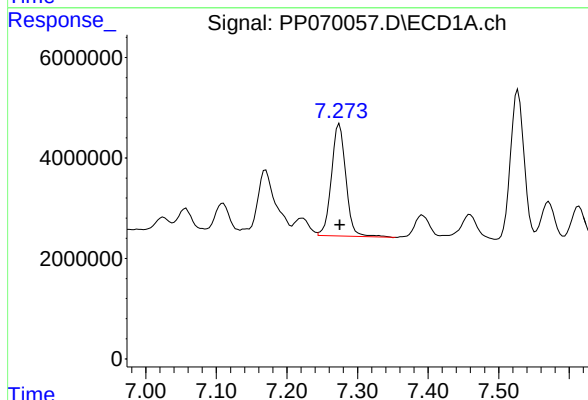
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



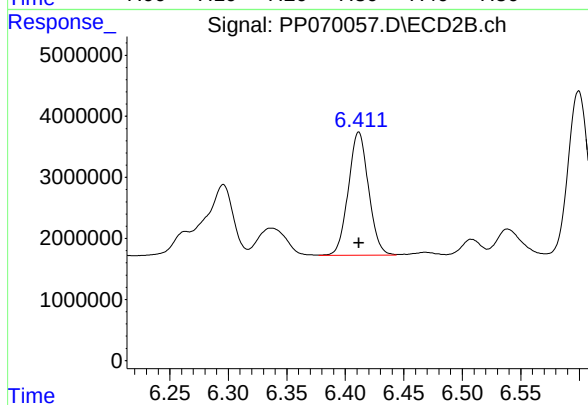
#7 AR-1016-5

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 13874739
Conc: 534.74 ng/ml



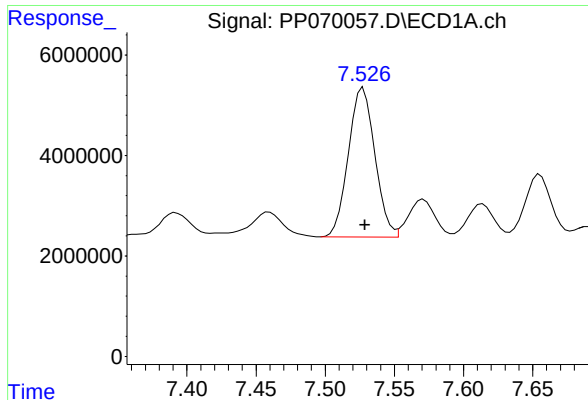
#31 AR-1260-1

R.T.: 7.274 min
Delta R.T.: 0.000 min
Response: 31878203
Conc: 546.23 ng/ml



#31 AR-1260-1

R.T.: 6.412 min
Delta R.T.: 0.000 min
Response: 24333076
Conc: 491.19 ng/ml



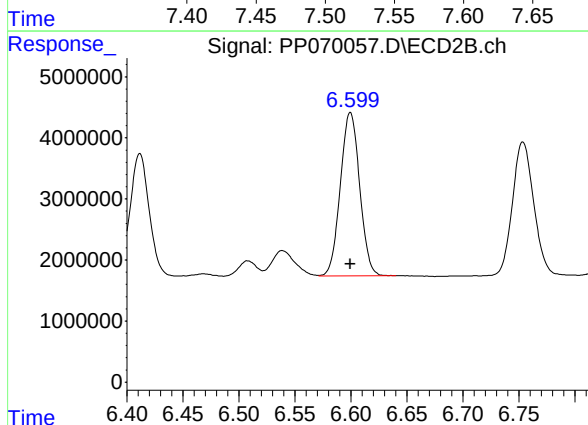
#32 AR-1260-2

R.T.: 7.528 min
Delta R.T.: -0.001 min
Response: 39651647
Conc: 485.18 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

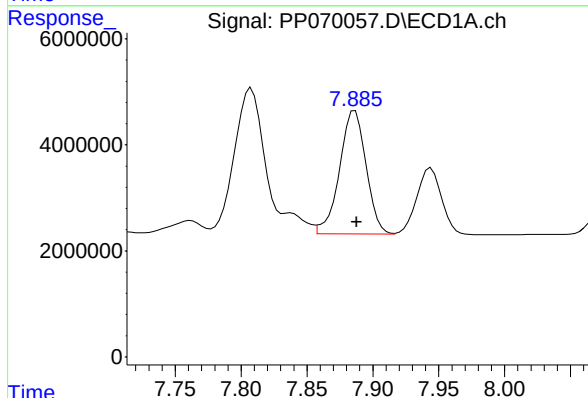
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



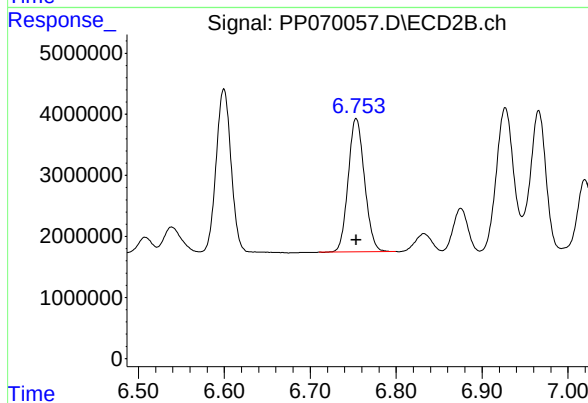
#32 AR-1260-2

R.T.: 6.599 min
Delta R.T.: 0.000 min
Response: 32183568
Conc: 491.95 ng/ml



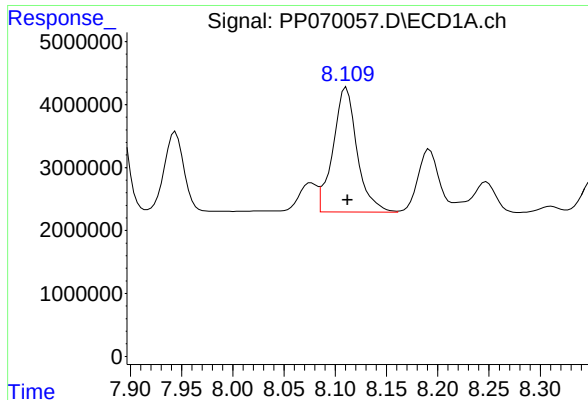
#33 AR-1260-3

R.T.: 7.886 min
Delta R.T.: -0.001 min
Response: 32564537
Conc: 518.87 ng/ml



#33 AR-1260-3

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 28754642
Conc: 476.69 ng/ml



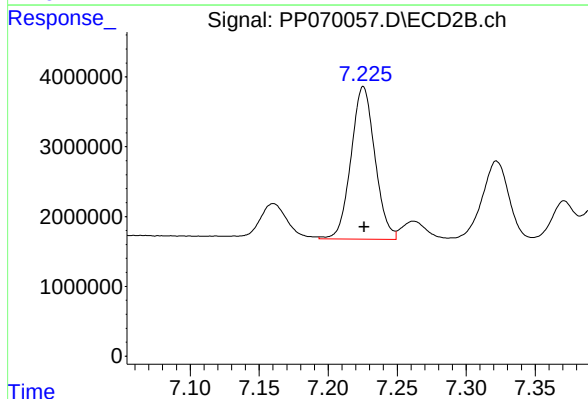
#34 AR-1260-4

R.T.: 8.111 min
Delta R.T.: -0.001 min
Response: 32231185
Conc: 508.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
AR1660CCC500

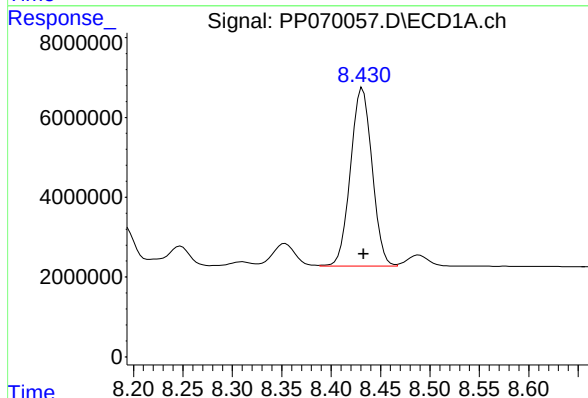
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



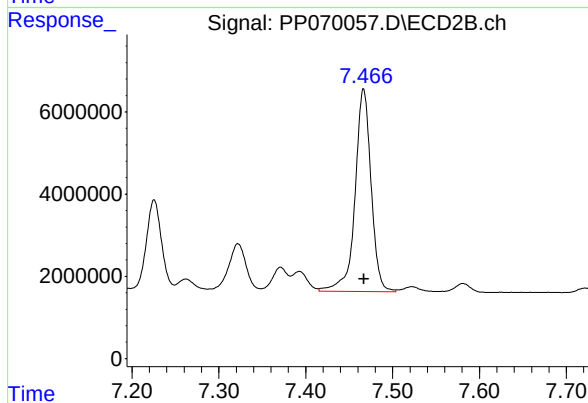
#34 AR-1260-4

R.T.: 7.226 min
Delta R.T.: 0.000 min
Response: 26346327
Conc: 539.14 ng/ml



#35 AR-1260-5

R.T.: 8.432 min
Delta R.T.: 0.000 min
Response: 67947383
Conc: 517.95 ng/ml



#35 AR-1260-5

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 63055432
Conc: 529.10 ng/ml

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q1421

Project: RFP 905

Instrument ID: ECD_P

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 02/24/2025

02/24/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	02/24/2025	14:43	PP069995.D	10.25	4.53
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	10.25	4.52
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	10.26	4.53
AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	10.26	4.53
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	10.25	4.52
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	10.26	4.53
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	10.25	4.52
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	10.26	4.53
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	10.26	4.53
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	10.25	4.52
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	10.26	4.53
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	10.25	4.53
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	10.26	4.53
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	10.26	4.53
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	10.26	4.53
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	10.26	4.53
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	10.26	4.53
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	10.25	4.52
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	10.26	4.53
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	10.25	4.52
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	10.26	4.53
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	10.26	4.53
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	10.26	4.52
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	10.25	4.53
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	10.25	4.52
AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	10.25	4.53
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	10.26	4.53
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	10.25	4.52
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	10.26	4.53
AR1660CCC500	AR1660CCC500	02/25/2025	09:43	PP070030.D	10.26	4.53
IBLK	IBLK	02/25/2025	10:48	PP070034.D	10.25	4.53
PB166854BL	PB166854BL	02/25/2025	12:23	PP070035.D	10.28	4.54
PB166854BS	PB166854BS	02/25/2025	12:39	PP070036.D	10.26	4.53
AR1660CCC500	AR1660CCC500	02/25/2025	15:27	PP070045.D	10.26	4.53
IBLK	IBLK	02/25/2025	15:43	PP070046.D	10.26	4.53
P001-CLAY-CF01-01	Q1421-01	02/25/2025	16:00	PP070047.D	10.26	4.53
P001-CLAY-CF01-01MS	Q1421-02MS	02/25/2025	16:16	PP070048.D	10.26	4.53
P001-CLAY-CF01-01MSD	Q1421-03MSD	02/25/2025	16:32	PP070049.D	10.26	4.53
P001-CLAY-CF01-02	Q1421-07	02/25/2025	16:48	PP070050.D	10.26	4.53
P001-CLAY-CF02-01	Q1421-09	02/25/2025	17:05	PP070051.D	10.26	4.53
AR1660CCC500	AR1660CCC500	02/25/2025	19:04	PP070057.D	10.26	4.53
IBLK	IBLK	02/25/2025	19:20	PP070058.D	10.26	4.53

Analytical Sequence

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Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q1421

Project: RFP 905

Instrument ID: ECD_P

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 02/24/2025

02/24/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	02/24/2025	14:43	PP069995.D	8.89	3.83
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	8.89	3.83
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	8.89	3.83
AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	8.89	3.83
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	8.89	3.83
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	8.89	3.83
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	8.89	3.83
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	8.89	3.83
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	8.89	3.83
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	8.89	3.83
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	8.89	3.83
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	8.89	3.83
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	8.89	3.83
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	8.89	3.83
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	8.89	3.83
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	8.89	3.83
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	8.89	3.83
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	8.89	3.83
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	8.89	3.83
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	8.89	3.83
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	8.89	3.83
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	8.89	3.83
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	8.89	3.83
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	8.89	3.83
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	8.89	3.83
AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	8.89	3.83
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	8.89	3.83
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	8.89	3.83
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/25/2025	09:43	PP070030.D	8.89	3.83
IBLK	IBLK	02/25/2025	10:48	PP070034.D	8.89	3.83
PB166854BL	PB166854BL	02/25/2025	12:23	PP070035.D	8.90	3.84
PB166854BS	PB166854BS	02/25/2025	12:39	PP070036.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/25/2025	15:27	PP070045.D	8.89	3.83
IBLK	IBLK	02/25/2025	15:43	PP070046.D	8.89	3.83
P001-CLAY-CF01-01	Q1421-01	02/25/2025	16:00	PP070047.D	8.89	3.83
P001-CLAY-CF01-01MS	Q1421-02MS	02/25/2025	16:16	PP070048.D	8.89	3.83
P001-CLAY-CF01-01MSD	Q1421-03MSD	02/25/2025	16:32	PP070049.D	8.89	3.83
P001-CLAY-CF01-02	Q1421-07	02/25/2025	16:48	PP070050.D	8.89	3.83
P001-CLAY-CF02-01	Q1421-09	02/25/2025	17:05	PP070051.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/25/2025	19:04	PP070057.D	8.89	3.83
IBLK	IBLK	02/25/2025	19:20	PP070058.D	8.89	3.83

Analytical Sequence

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166854BS

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab Sample ID: PB166854BS Date(s) Analyzed: 02/25/2025 02/25/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP070036.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.683	5.633	5.733	161	164	1.21
COLUMN 1	2	5.704	5.654	5.754	170		
	3	5.767	5.717	5.817	163		
	4	5.864	5.814	5.914	166		
	5	6.158	6.108	6.208	162		
	1	4.921	4.871	4.971	164		
COLUMN 2	2	4.94	4.89	4.99	165	166	
	3	5.118	5.068	5.168	170		
	4	5.159	5.109	5.209	166		
	5	5.375	5.325	5.425	164		
Aroclor-1260	1	7.277	7.227	7.327	173	158	1.92
COLUMN 1	2	7.531	7.481	7.581	165		
	3	7.89	7.84	7.94	146		
	4	8.115	8.065	8.165	154		
	5	8.436	8.386	8.486	151		
	1	6.412	6.362	6.462	168		
COLUMN 2	2	6.6	6.55	6.65	167	155	
	3	6.755	6.705	6.805	156		
	4	7.228	7.178	7.278	141		
	5	7.469	7.419	7.519	145		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

P001-CLAY-CF01-01MS

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab Sample ID: Q1421-02MS Date(s) Analyzed: 02/25/2025 02/25/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP070048.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.68	5.63	5.73	242	243	1.23
COLUMN 1	2	5.702	5.652	5.752	250		
	3	5.764	5.714	5.814	241		
	4	5.861	5.811	5.911	246		
	5	6.155	6.105	6.205	236		
	1	4.921	4.871	4.971	246		
COLUMN 2	2	4.94	4.89	4.99	244	246	
	3	5.117	5.067	5.167	252		
	4	5.158	5.108	5.208	246		
	5	5.374	5.324	5.424	243		
Aroclor-1260	1	7.274	7.224	7.324	249	220	1.8
COLUMN 1	2	7.528	7.478	7.578	224		
	3	7.887	7.837	7.937	202		
	4	8.111	8.061	8.161	218		
	5	8.432	8.382	8.482	209		
	1	6.412	6.362	6.462	240		
COLUMN 2	2	6.6	6.55	6.65	239	224	
	3	6.754	6.704	6.804	229		
	4	7.227	7.177	7.277	205		
	5	7.468	7.418	7.518	207		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

P001-CLAY-CF01-01MSI

Contract: ROYF02

Lab Code: CHEM Case No.: Q1421 SAS No.: Q1421 SDG NO.: Q1421

Lab Sample ID: Q1421-03MSD Date(s) Analyzed: 02/25/2025 02/25/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP070049.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.681	5.631	5.731	250	249	3.68
COLUMN 1	2	5.703	5.653	5.753	253		
	3	5.765	5.715	5.815	247		
	4	5.862	5.812	5.912	256		
	5	6.155	6.105	6.205	238		
	1	4.922	4.872	4.972	238		
COLUMN 2	2	4.941	4.891	4.991	240	240	
	3	5.118	5.068	5.168	245		
	4	5.159	5.109	5.209	240		
	5	5.375	5.325	5.425	237		
Aroclor-1260	1	7.274	7.224	7.324	250	221	2.24
COLUMN 1	2	7.529	7.479	7.579	226		
	3	7.888	7.838	7.938	202		
	4	8.111	8.061	8.161	214		
	5	8.434	8.384	8.484	211		
	1	6.413	6.363	6.463	239	226	
COLUMN 2	2	6.601	6.551	6.651	242		
	3	6.755	6.705	6.805	225		
	4	7.228	7.178	7.278	203		
	5	7.468	7.418	7.518	220		



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
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- 17
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB166854BL	SDG No.:	Q1421
Lab Sample ID:	PB166854BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070035.D	1	02/25/25 09:02	02/25/25 12:23	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		32 - 144	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.3		32 - 175	122%	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_P\Data\PP022525\
Data File : PP070035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 12:23
Operator : YP\AJ
Sample : PB166854BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166854BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:49:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.540	3.835	35068513	23032905	23.895	24.092
2) SA Decachlor...	10.280	8.900	27689252	25046473	24.309	23.103

Target Compounds

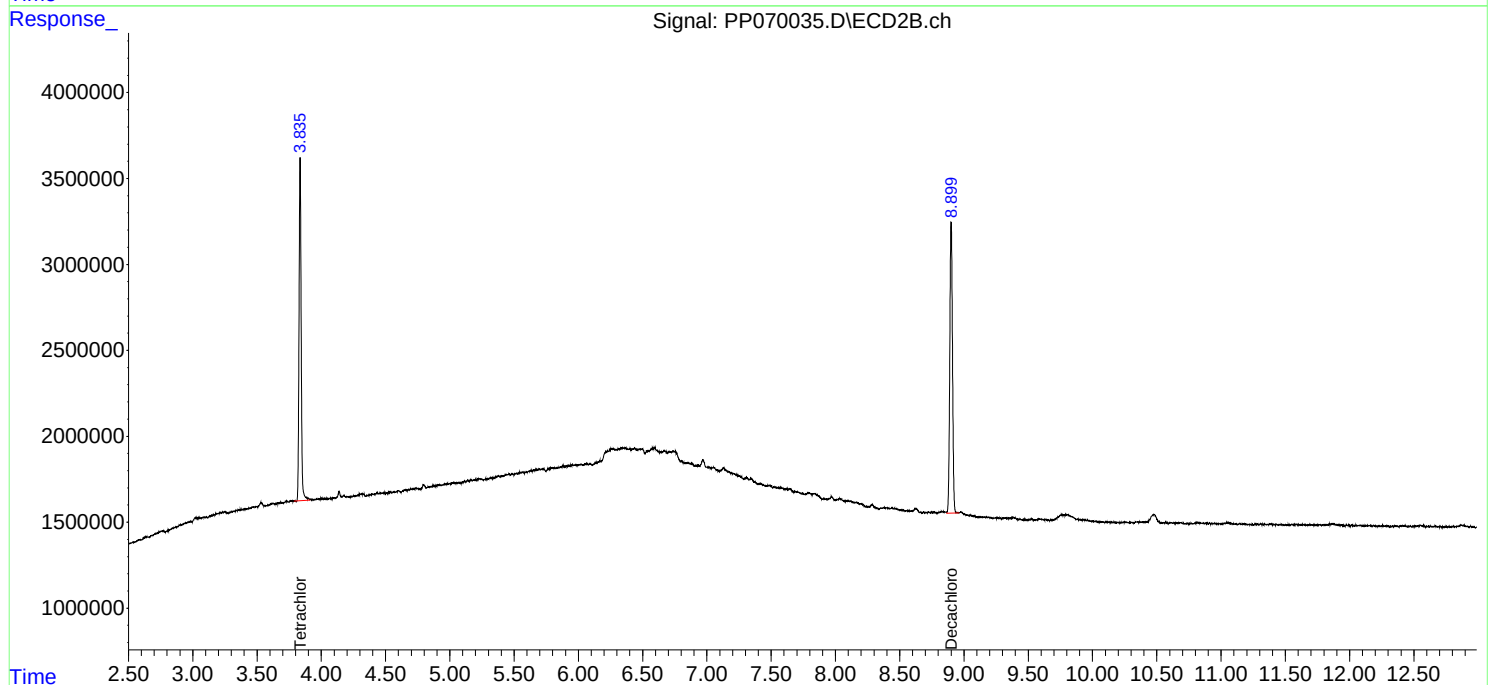
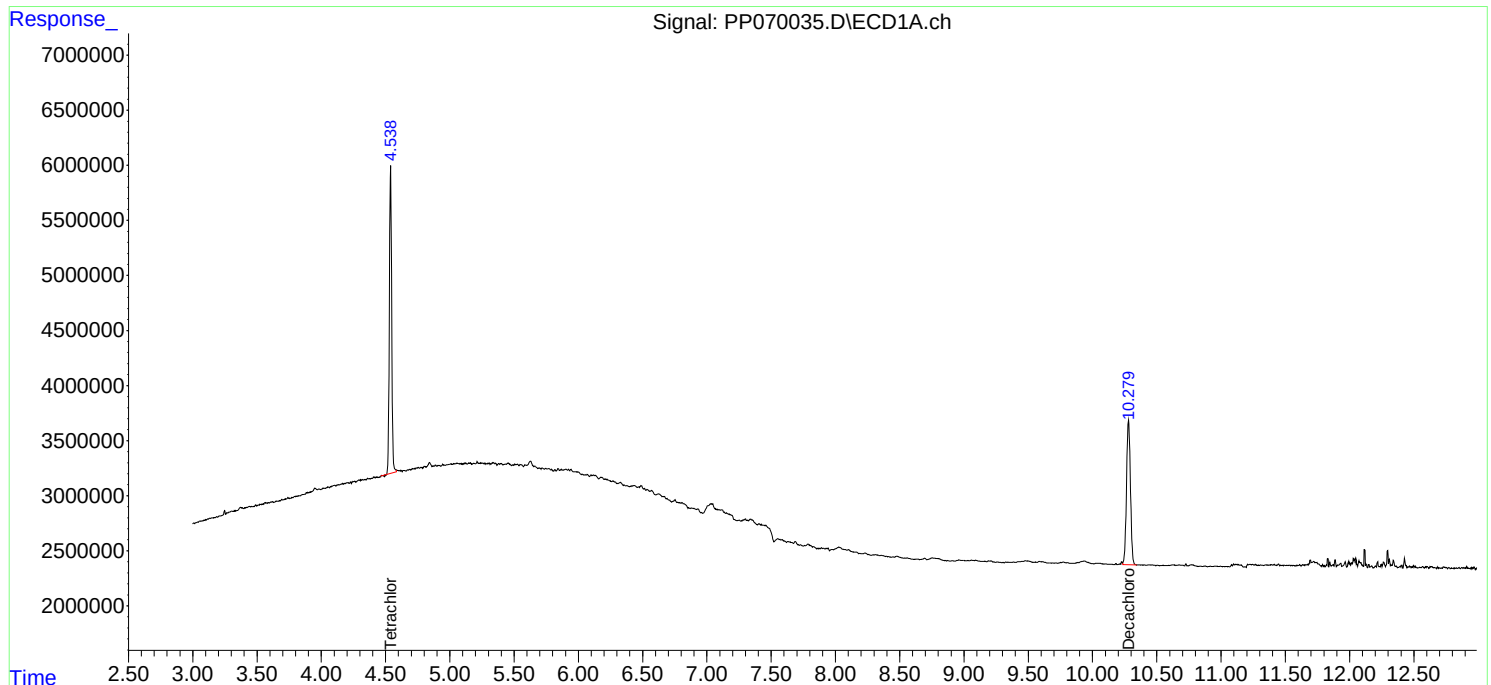
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

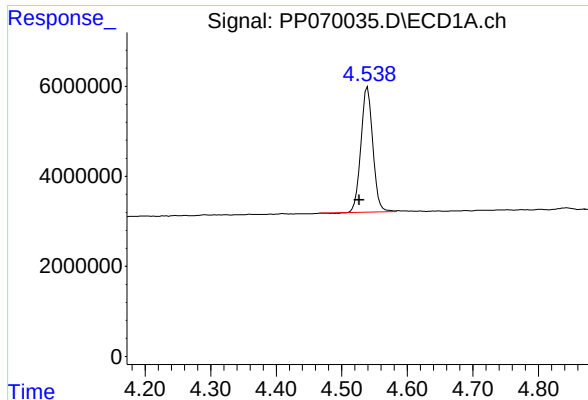
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 12:23
Operator : YP\AJ
Sample : PB166854BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166854BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:49:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

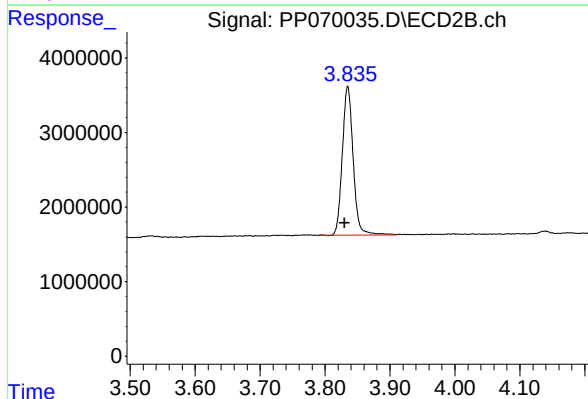




#1 Tetrachloro-m-xylene

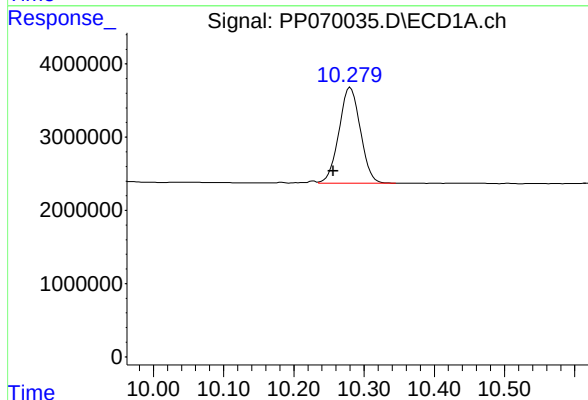
R.T.: 4.540 min
Delta R.T.: 0.013 min
Response: 35068513
Conc: 23.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166854BL



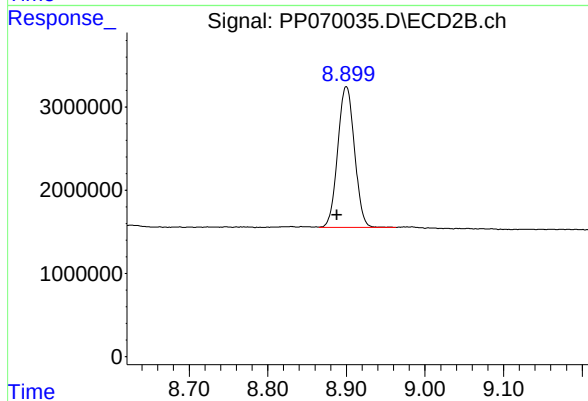
#1 Tetrachloro-m-xylene

R.T.: 3.835 min
Delta R.T.: 0.005 min
Response: 23032905
Conc: 24.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.280 min
Delta R.T.: 0.024 min
Response: 27689252
Conc: 24.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.900 min
Delta R.T.: 0.012 min
Response: 25046473
Conc: 23.10 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	PIBLK-PP069995.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PP069995.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069995.D	1		02/24/25	PP022425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		60 - 140	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 140	108%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 14:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 05:11:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.829	32092801	21102903	21.867	22.073
2) SA Decachlor...	10.254	8.887	24802970	23428943	21.775	21.611

Target Compounds

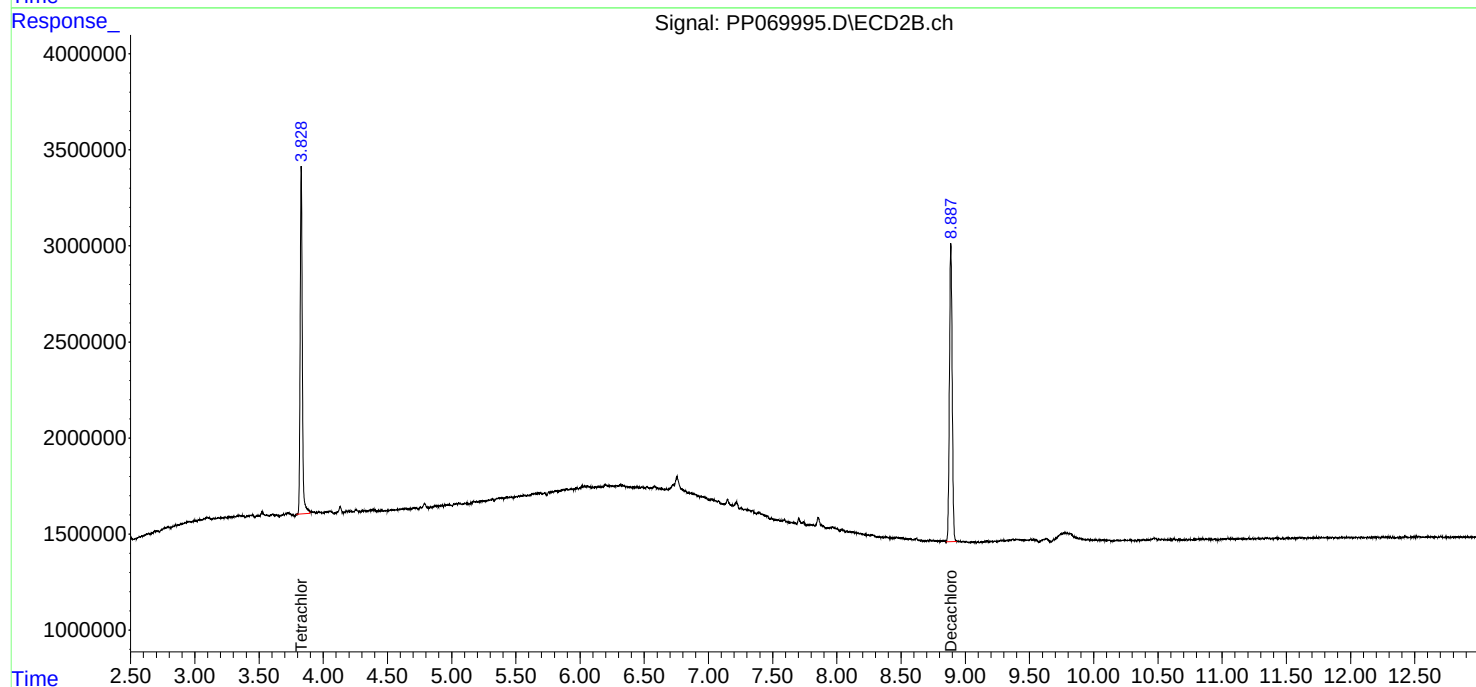
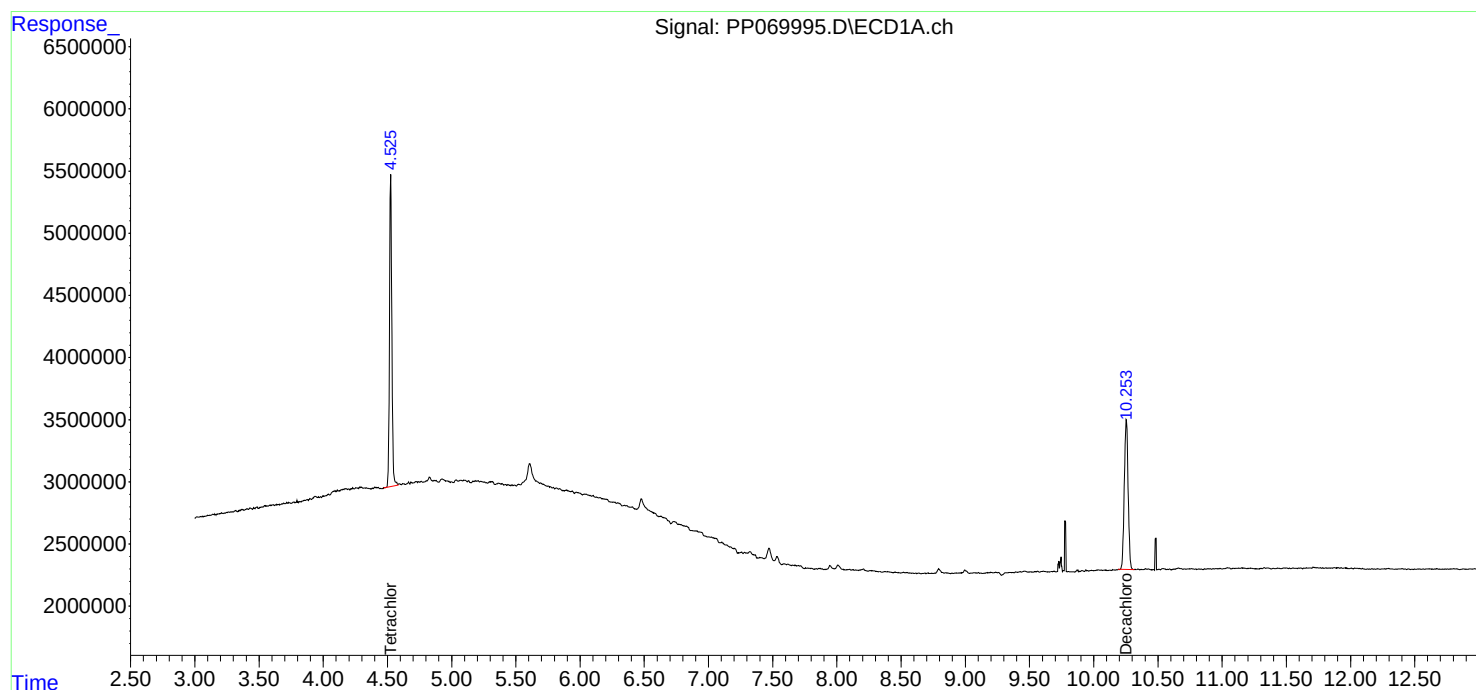
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

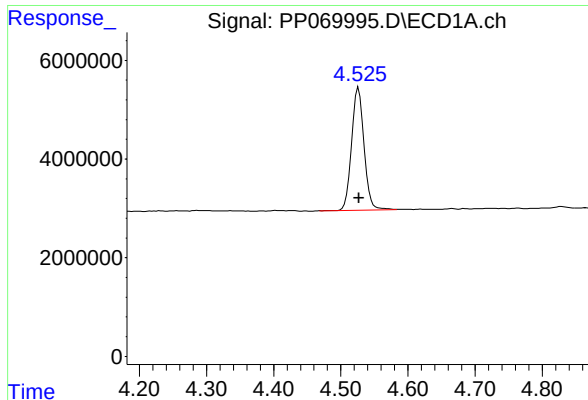
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022425\
Data File : PP069995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 14:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 05:11:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

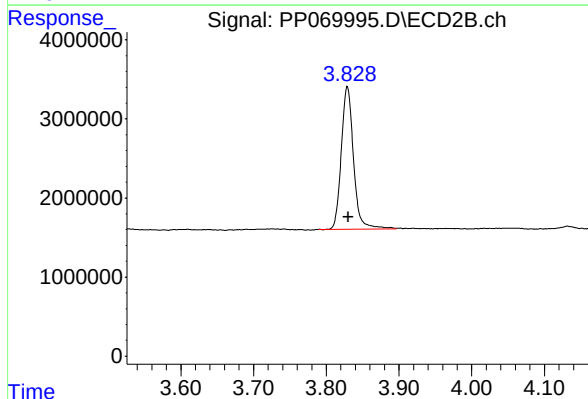




#1 Tetrachloro-m-xylene

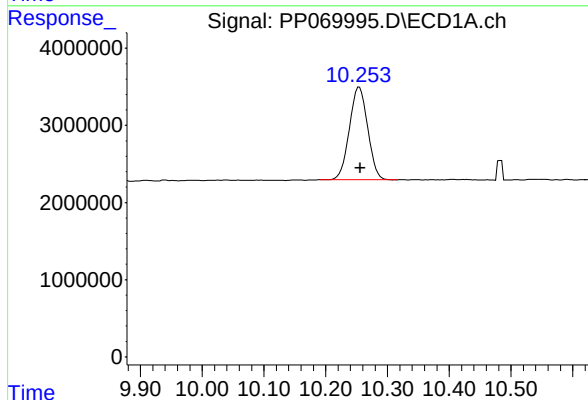
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 32092801
Conc: 21.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



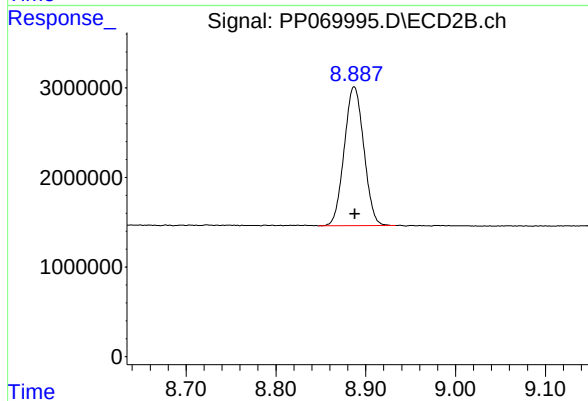
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.001 min
Response: 21102903
Conc: 22.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.002 min
Response: 24802970
Conc: 21.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 23428943
Conc: 21.61 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/25/25
Project:	RFP 905	Date Received:	02/25/25
Client Sample ID:	PIBLK-PP070034.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PP070034.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070034.D	1		02/25/25	PP022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.8		60 - 140	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		60 - 140	87%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 10:48
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:49:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.525	3.829	24874634	16017622	16.949	16.754
2) SA Decachlor...	10.254	8.887	19854217	19503273	17.431	17.990

Target Compounds

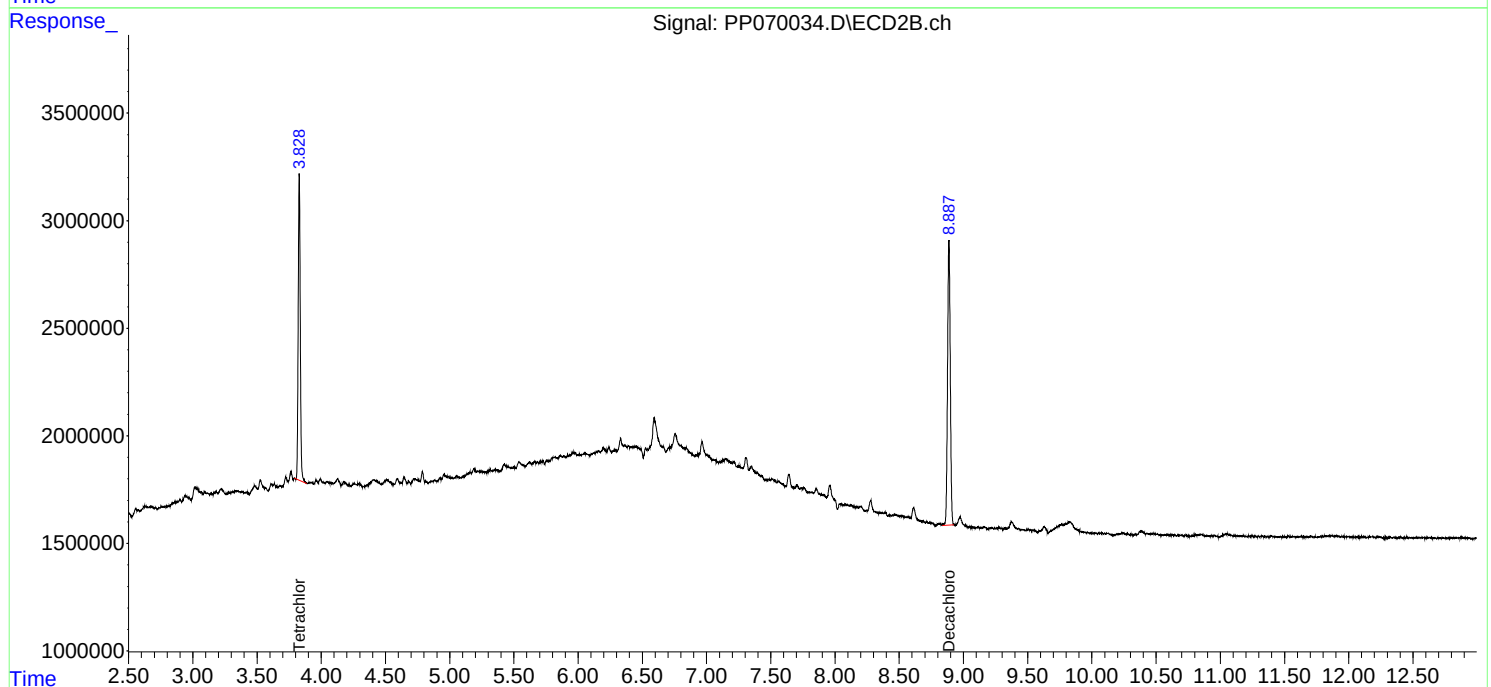
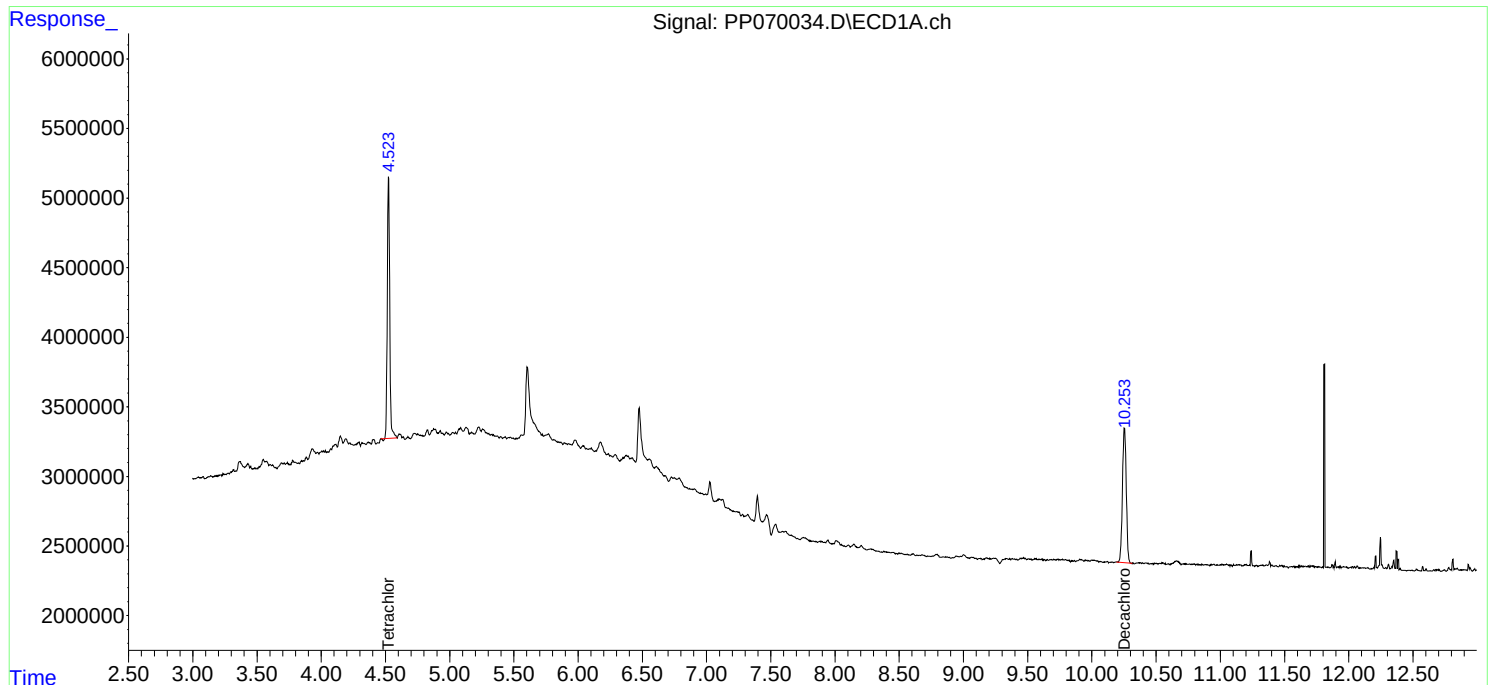
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

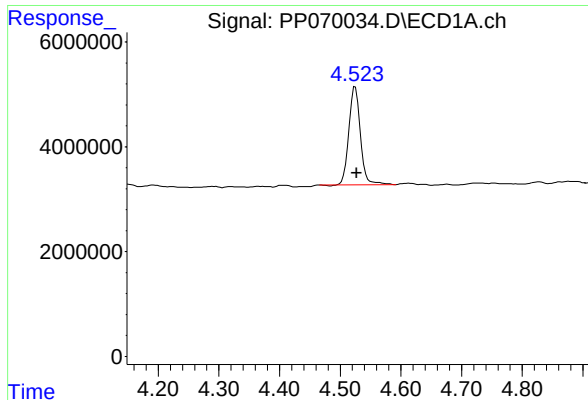
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 10:48
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:49:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

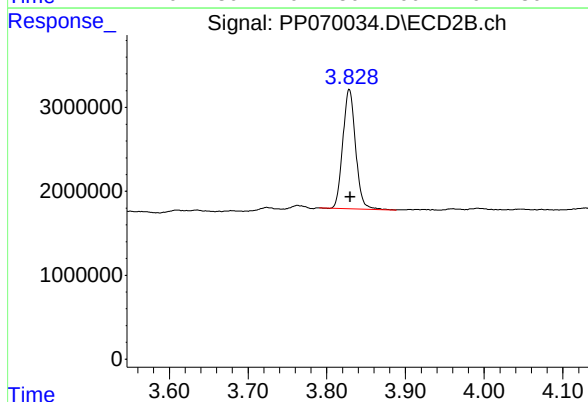




#1 Tetrachloro-m-xylene

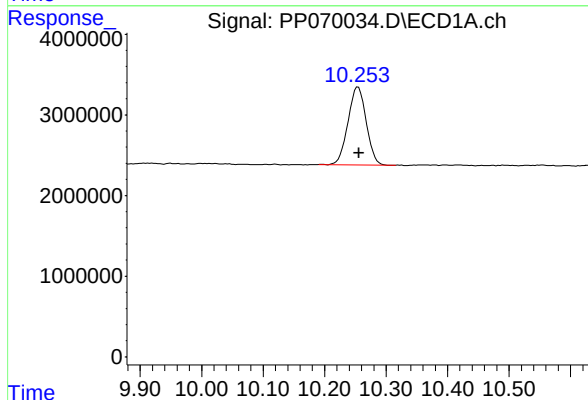
R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 24874634
Conc: 16.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



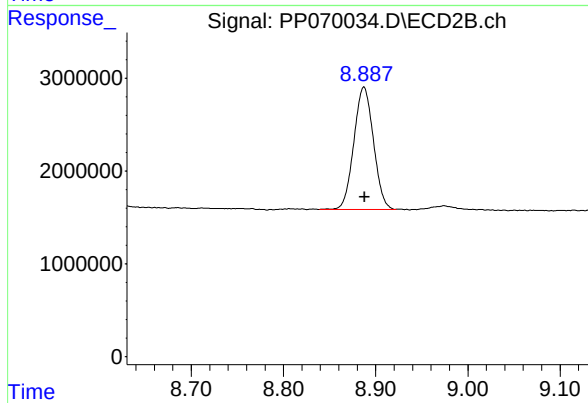
#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: -0.002 min
Response: 16017622
Conc: 16.75 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.002 min
Response: 19854217
Conc: 17.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 19503273
Conc: 17.99 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/25/25
Project:	RFP 905	Date Received:	02/25/25
Client Sample ID:	PIBLK-PP070046.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PP070046.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070046.D	1		02/25/25	PP022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		60 - 140	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		60 - 140	87%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:56:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.528	3.831	26039663	17311901	17.743	18.108
2) SA Decachlor...	10.259	8.890	19792388	19485908	17.376	17.974

Target Compounds

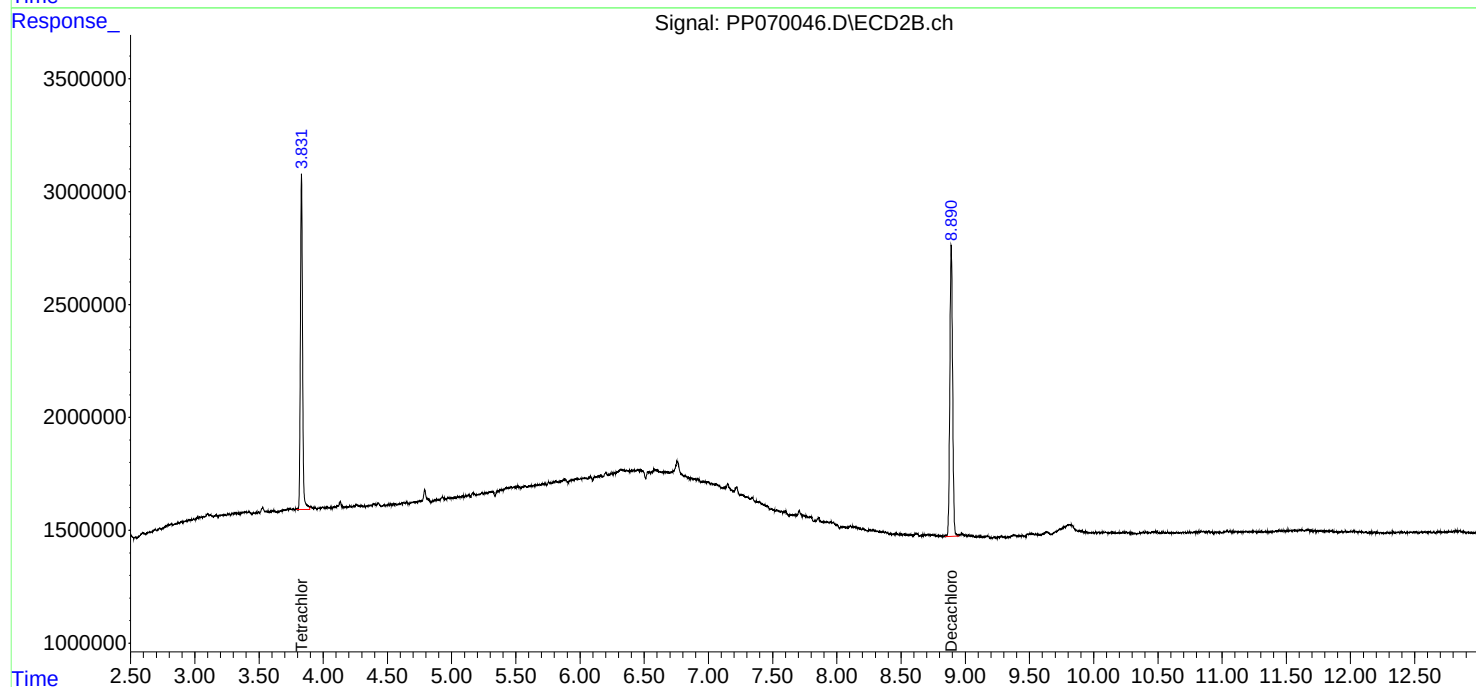
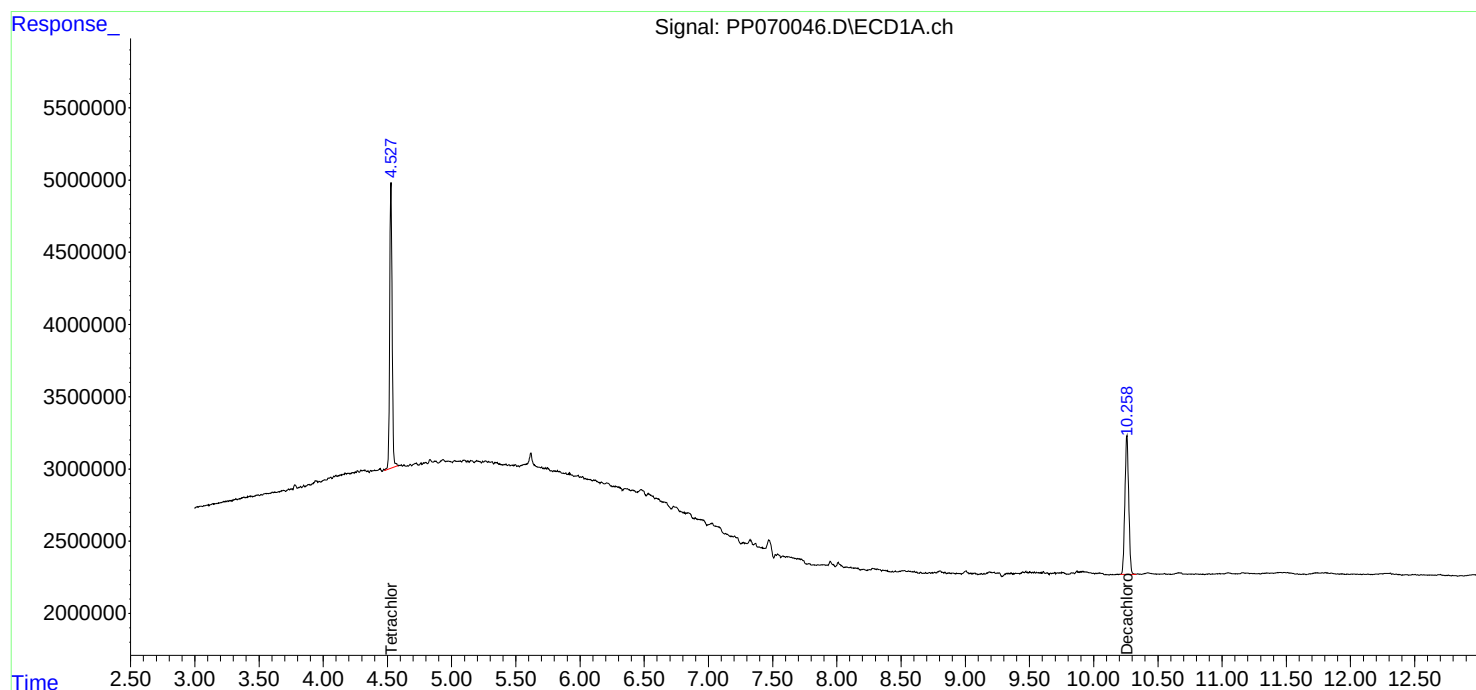
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

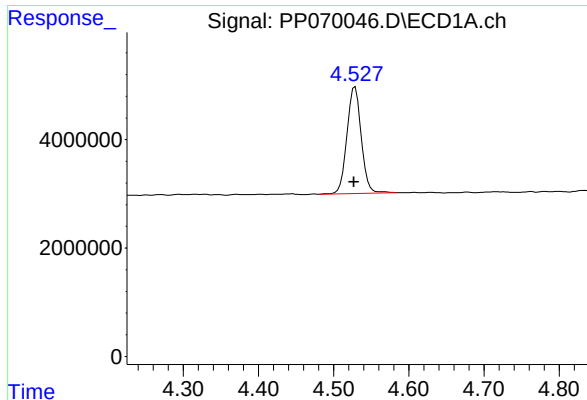
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 15:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:56:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

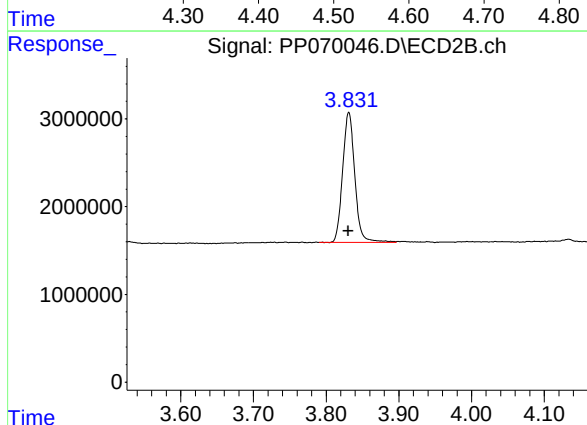




#1 Tetrachloro-m-xylene

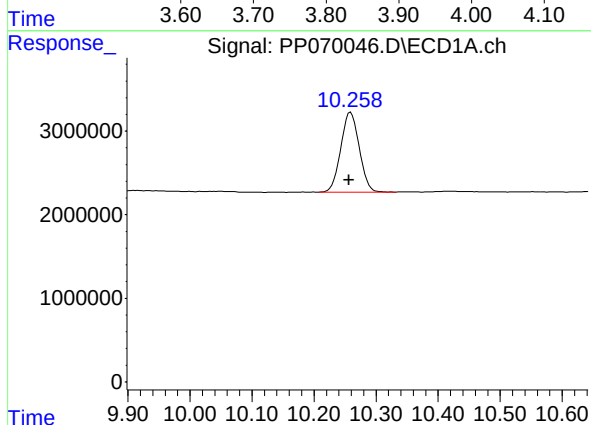
R.T.: 4.528 min
Delta R.T.: 0.001 min
Response: 26039663
Conc: 17.74 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



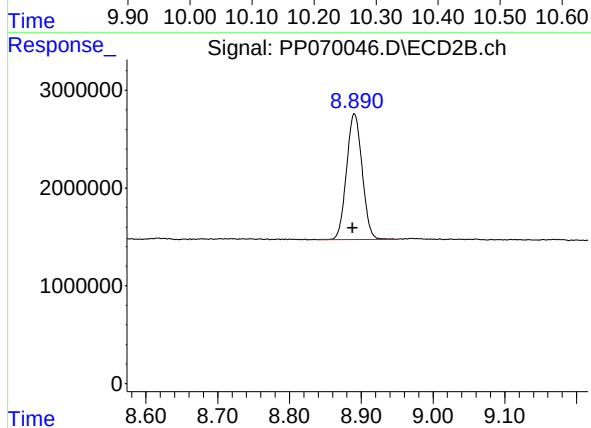
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.000 min
Response: 17311901
Conc: 18.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.259 min
Delta R.T.: 0.003 min
Response: 19792388
Conc: 17.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.890 min
Delta R.T.: 0.003 min
Response: 19485908
Conc: 17.97 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/25/25
Project:	RFP 905	Date Received:	02/25/25
Client Sample ID:	PIBLK-PP070058.D	SDG No.:	Q1421
Lab Sample ID:	I.BLK-PP070058.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070058.D	1		02/25/25	PP022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.8		60 - 140	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 140	89%	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_P\Data\PP022525\
Data File : PP070058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 19:20
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 04:03:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.526	3.830	26073439	17819064	17.766	18.639
2) SA Decachlor...	10.255	8.889	20308298	21505597	17.829	19.837

Target Compounds

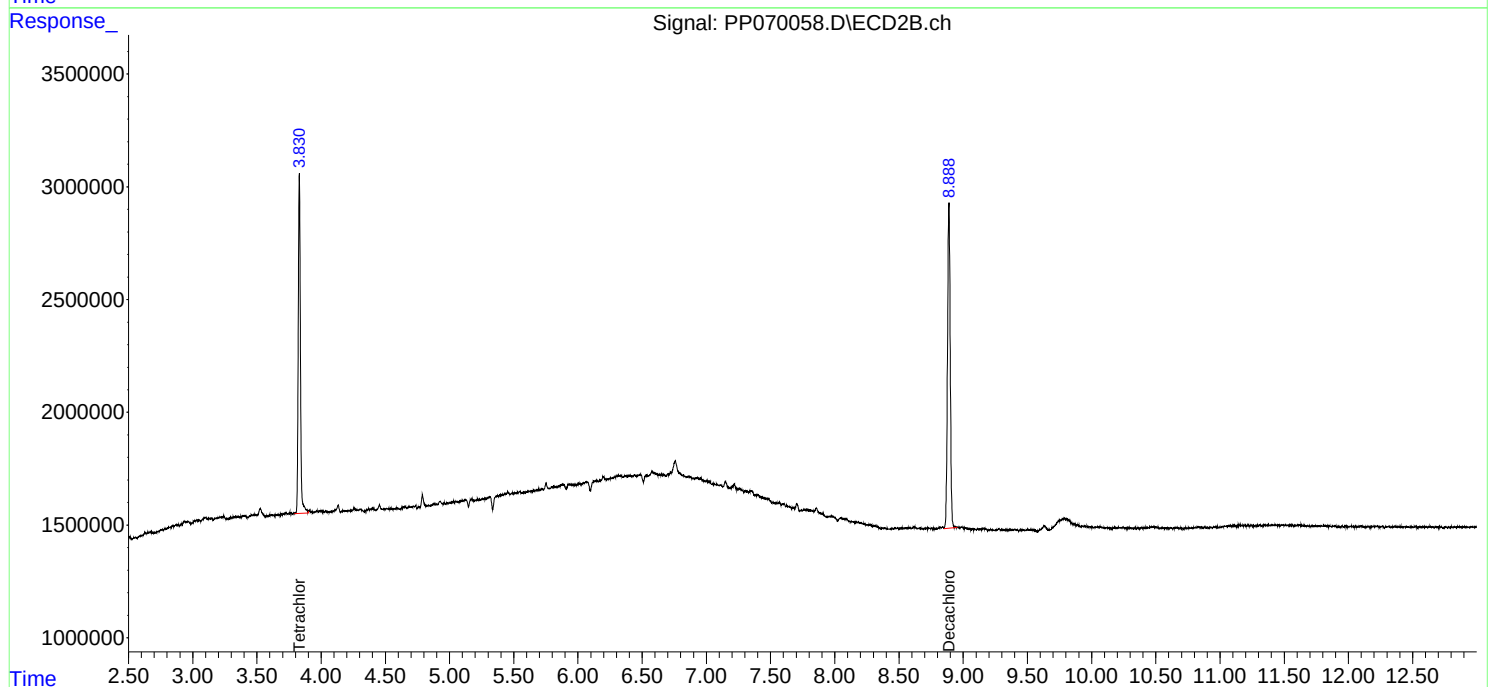
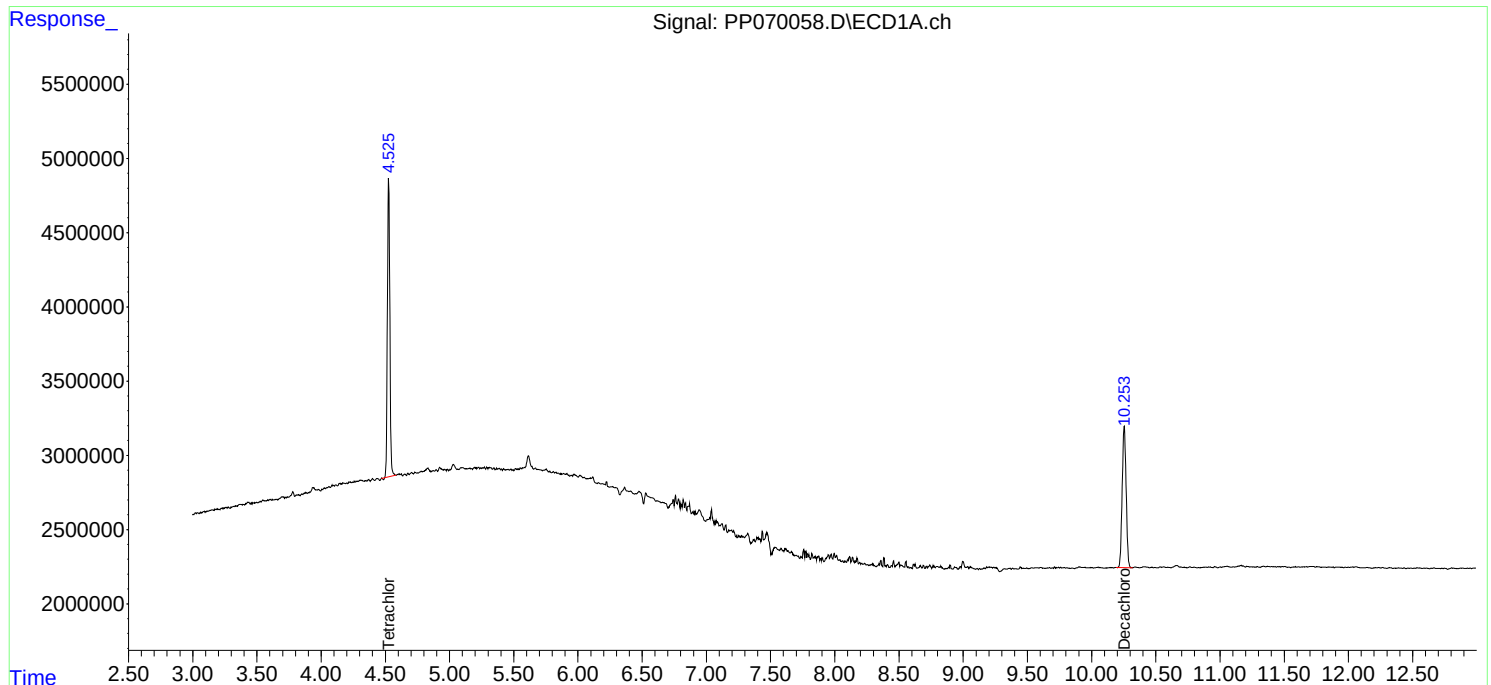
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

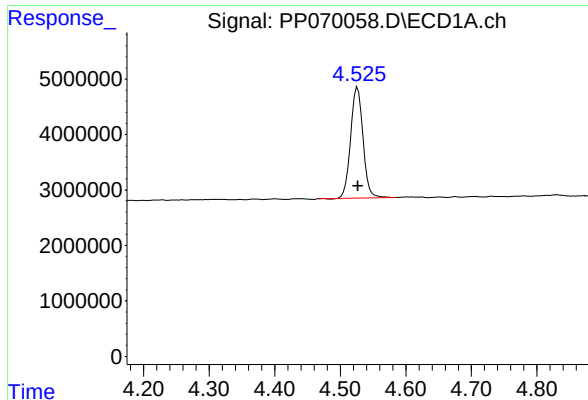
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 19:20
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 04:03:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

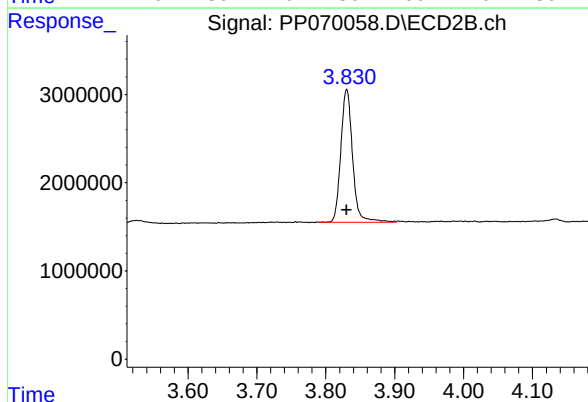




#1 Tetrachloro-m-xylene

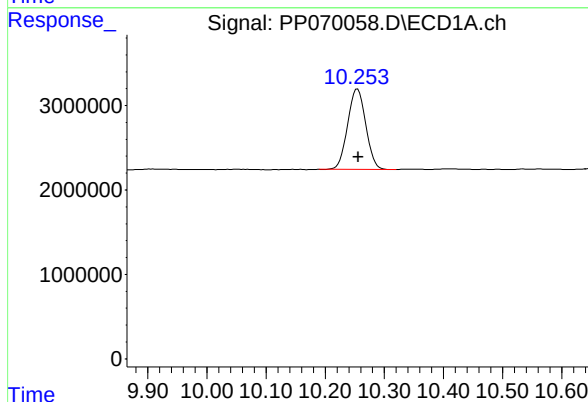
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 26073439
Conc: 17.77 ng/ml

Instrument :
ECD_P
ClientSampleId :
I.BLK



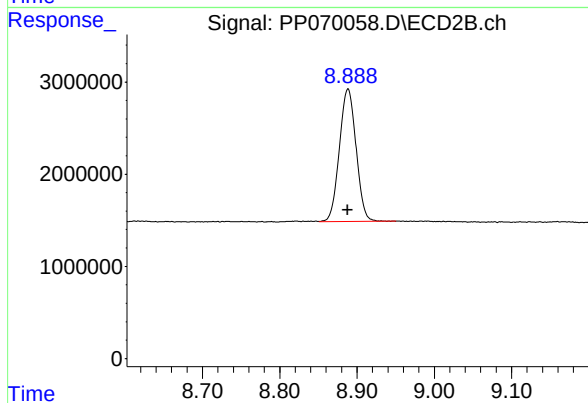
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 17819064
Conc: 18.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: -0.001 min
Response: 20308298
Conc: 17.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 21505597
Conc: 19.84 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB166854BS	SDG No.:	Q1421
Lab Sample ID:	PB166854BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070036.D	1	02/25/25 09:02	02/25/25 12:39	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	166		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	158		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.0		32 - 144	130%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.4		32 - 175	127%	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_P\Data\PP022525\
 Data File : PP070036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 12:39
 Operator : YP\AJ
 Sample : PB166854BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB166854BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:50:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.529	3.831	38142129	23821205	25.989	24.917
2) SA Decachlor...	10.262	8.891	28990685	26736363	25.452	24.662
Target Compounds						
3) L1 AR-1016-1	5.683	4.921	24118849	16468308	484.060	493.084
4) L1 AR-1016-2	5.704	4.940	36047503	23037554	509.304	494.429
5) L1 AR-1016-3	5.767	5.118	21438073	12776723	488.089	510.407
6) L1 AR-1016-4	5.864	5.159	18080055	9974516	498.604	496.969
7) L1 AR-1016-5	6.158	5.375	16287586	12773347	485.638	492.295
31) L7 AR-1260-1	7.277	6.412	30327386	24992641	519.661	504.502
32) L7 AR-1260-2	7.531	6.600	40507759	32784692	495.658	501.141
33) L7 AR-1260-3	7.890	6.755	27499489	28186556	438.162	467.268
34) L7 AR-1260-4	8.115	7.228	29219134	20656143	460.862	422.698
35) L7 AR-1260-5	8.436	7.469	59376812	51850329	452.620	435.078

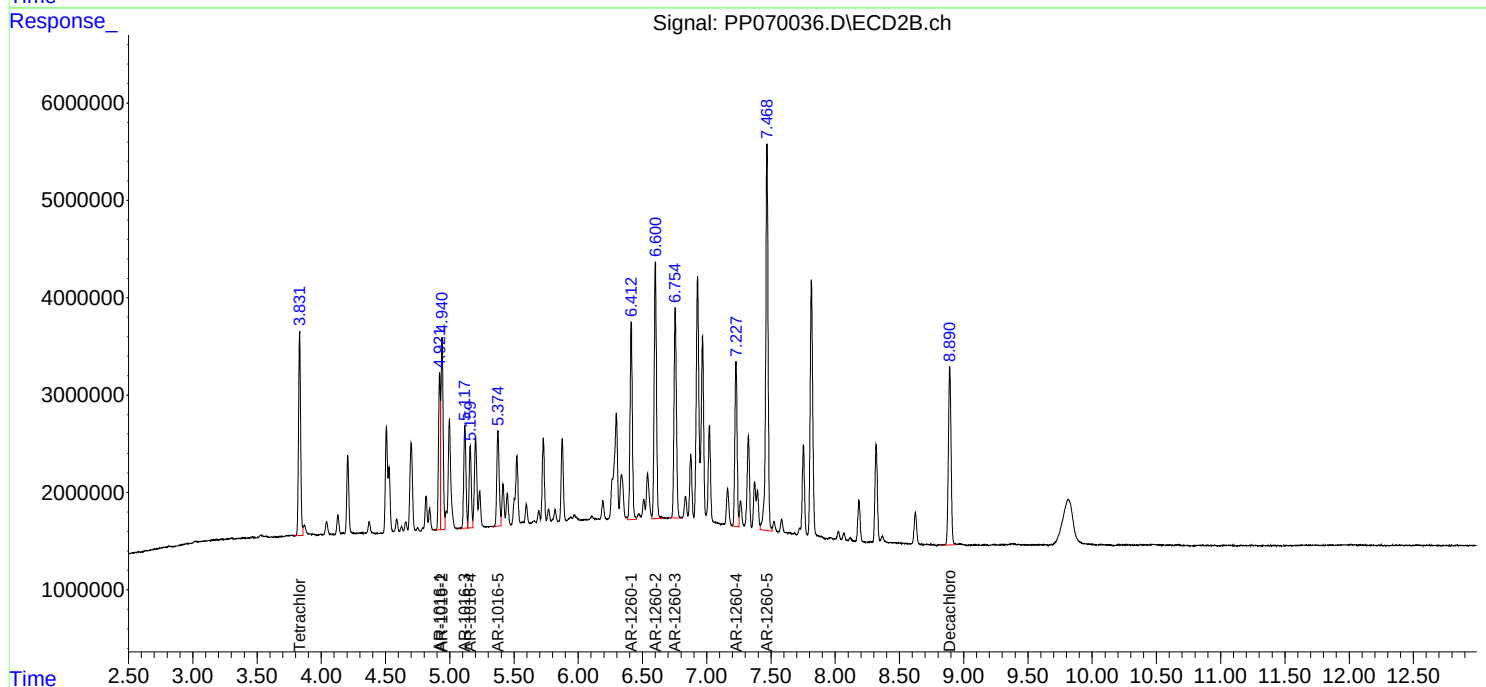
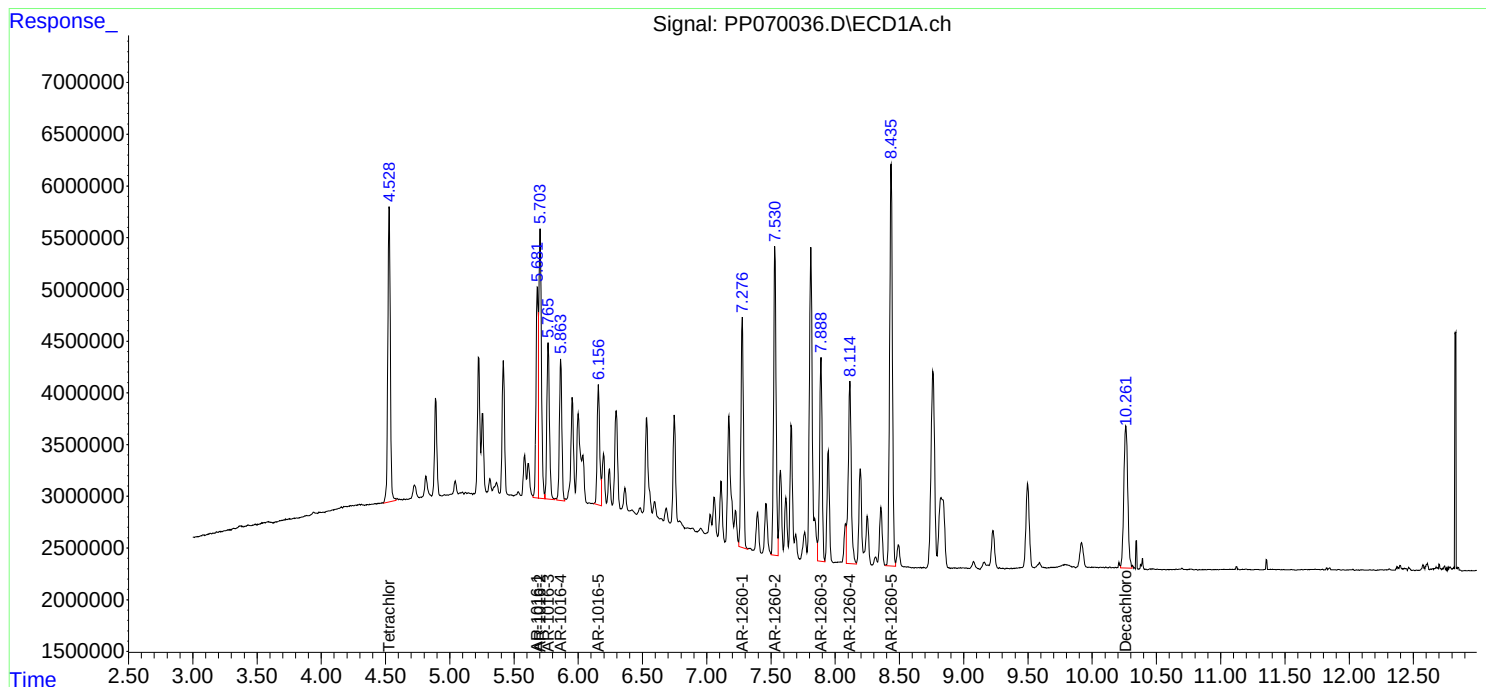
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

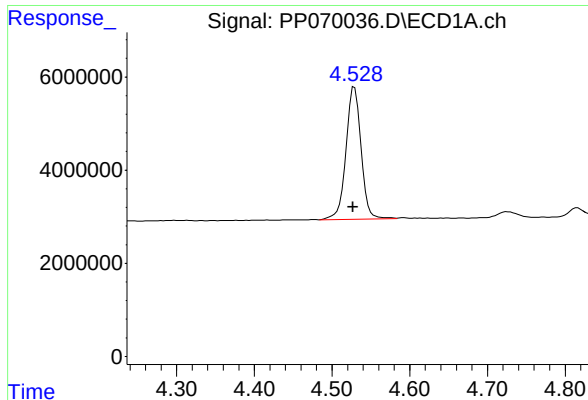
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 12:39
Operator : YP\AJ
Sample : PB166854BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166854BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:50:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

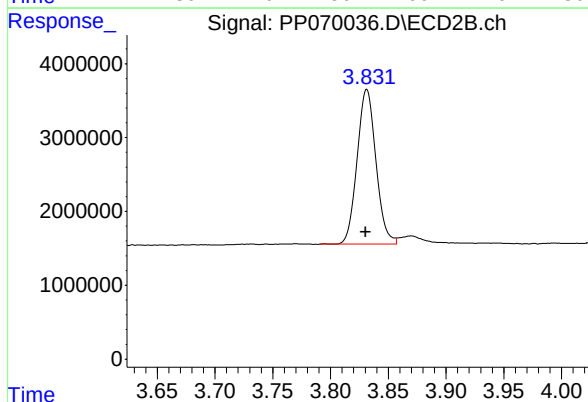




#1 Tetrachloro-m-xylene

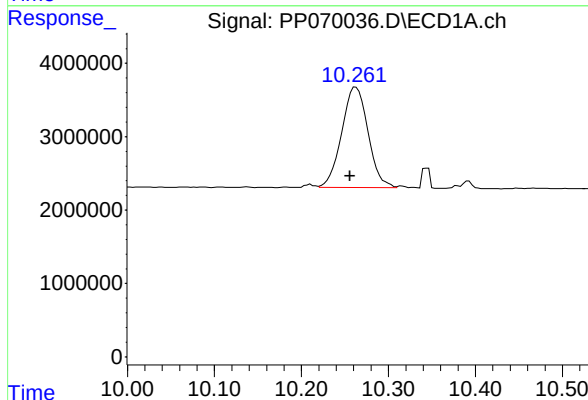
R.T.: 4.529 min
Delta R.T.: 0.002 min
Response: 38142129
Conc: 25.99 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166854BS



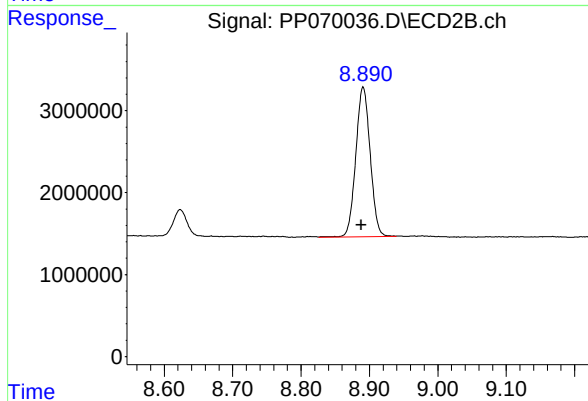
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.001 min
Response: 23821205
Conc: 24.92 ng/ml



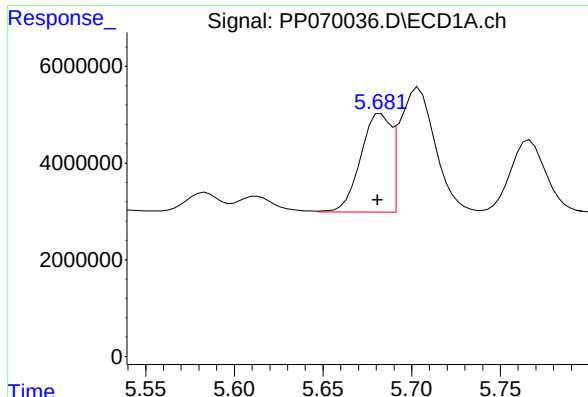
#2 Decachlorobiphenyl

R.T.: 10.262 min
Delta R.T.: 0.006 min
Response: 28990685
Conc: 25.45 ng/ml



#2 Decachlorobiphenyl

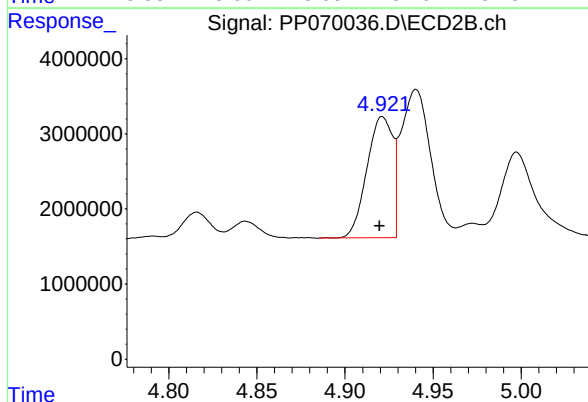
R.T.: 8.891 min
Delta R.T.: 0.003 min
Response: 26736363
Conc: 24.66 ng/ml



#3 AR-1016-1

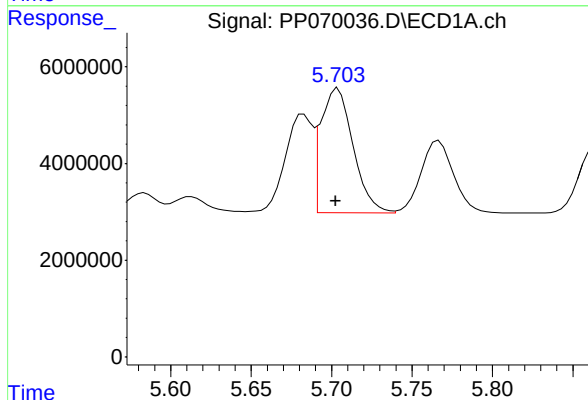
R.T.: 5.683 min
Delta R.T.: 0.002 min
Response: 24118849
Conc: 484.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166854BS



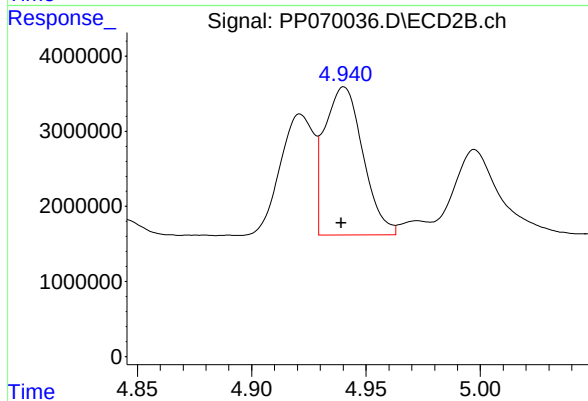
#3 AR-1016-1

R.T.: 4.921 min
Delta R.T.: 0.002 min
Response: 16468308
Conc: 493.08 ng/ml



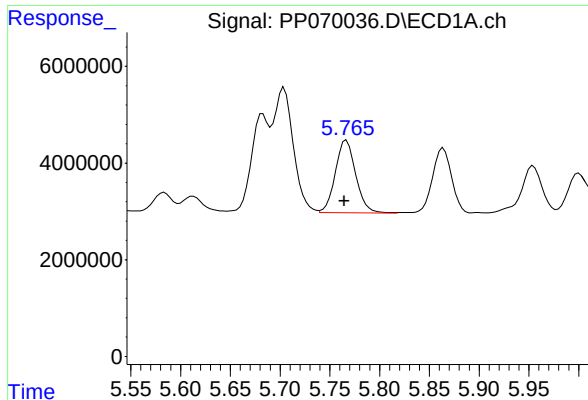
#4 AR-1016-2

R.T.: 5.704 min
Delta R.T.: 0.002 min
Response: 36047503
Conc: 509.30 ng/ml



#4 AR-1016-2

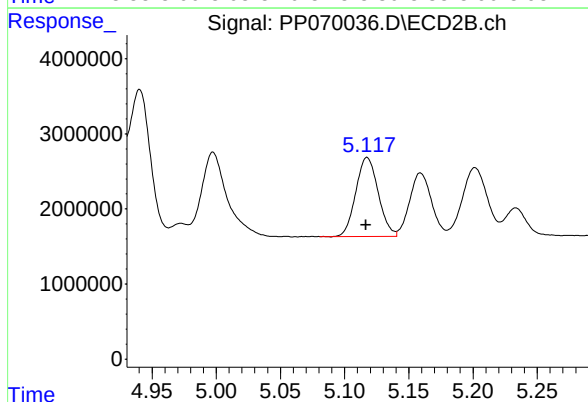
R.T.: 4.940 min
Delta R.T.: 0.001 min
Response: 23037554
Conc: 494.43 ng/ml



#5 AR-1016-3

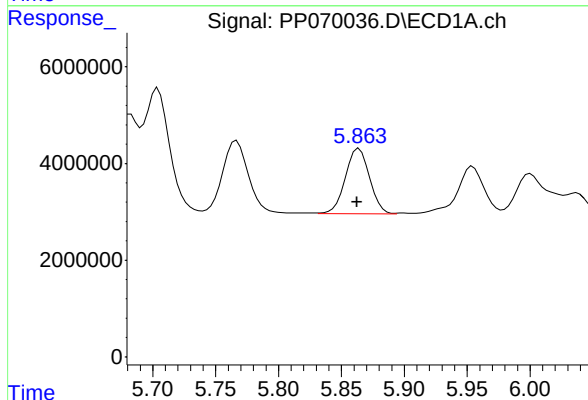
R.T.: 5.767 min
Delta R.T.: 0.002 min
Response: 21438073
Conc: 488.09 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166854BS



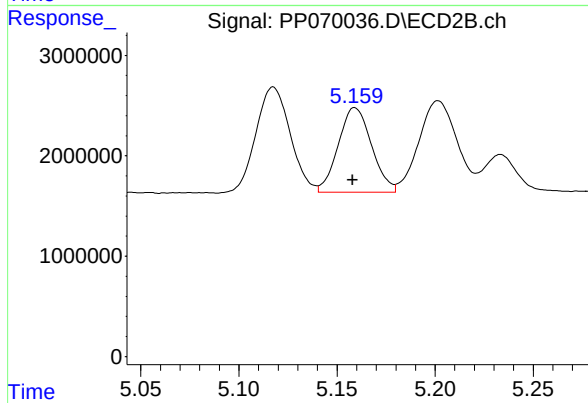
#5 AR-1016-3

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 12776723
Conc: 510.41 ng/ml



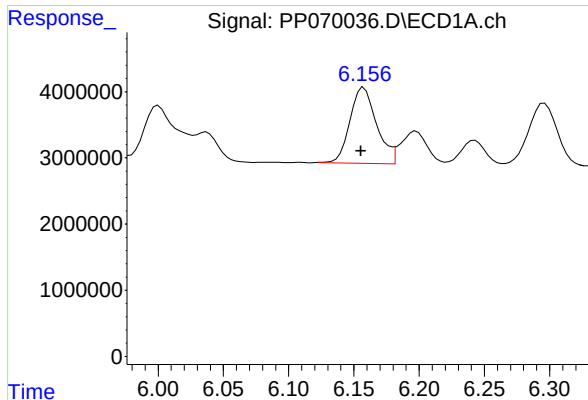
#6 AR-1016-4

R.T.: 5.864 min
Delta R.T.: 0.002 min
Response: 18080055
Conc: 498.60 ng/ml



#6 AR-1016-4

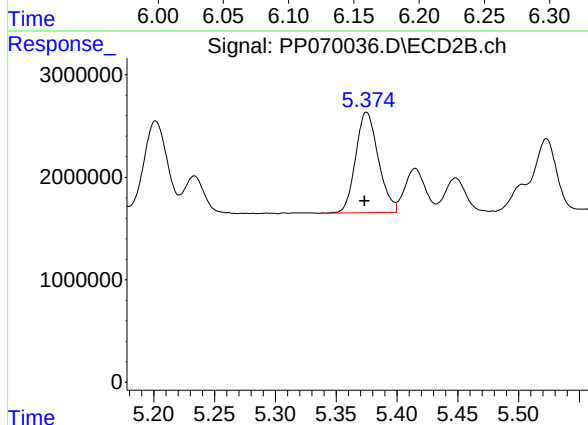
R.T.: 5.159 min
Delta R.T.: 0.001 min
Response: 9974516
Conc: 496.97 ng/ml



#7 AR-1016-5

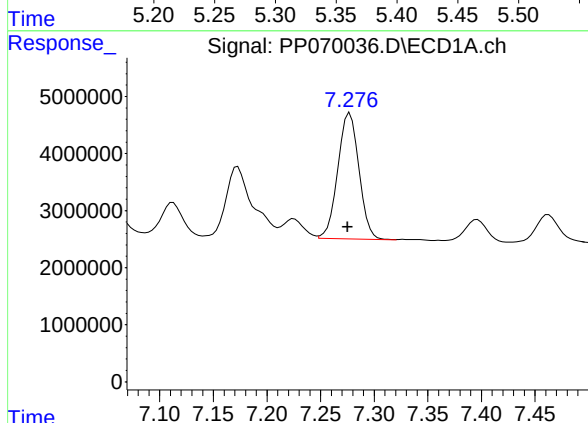
R.T.: 6.158 min
Delta R.T.: 0.002 min
Response: 16287586
Conc: 485.64 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166854BS



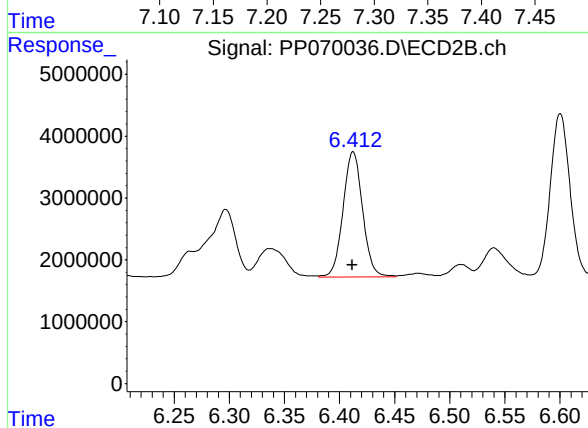
#7 AR-1016-5

R.T.: 5.375 min
Delta R.T.: 0.002 min
Response: 12773347
Conc: 492.29 ng/ml



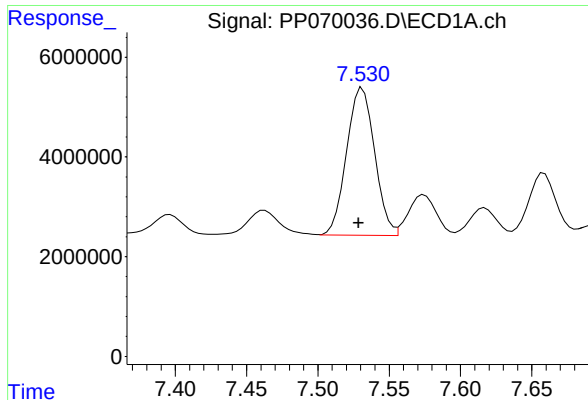
#31 AR-1260-1

R.T.: 7.277 min
Delta R.T.: 0.002 min
Response: 30327386
Conc: 519.66 ng/ml



#31 AR-1260-1

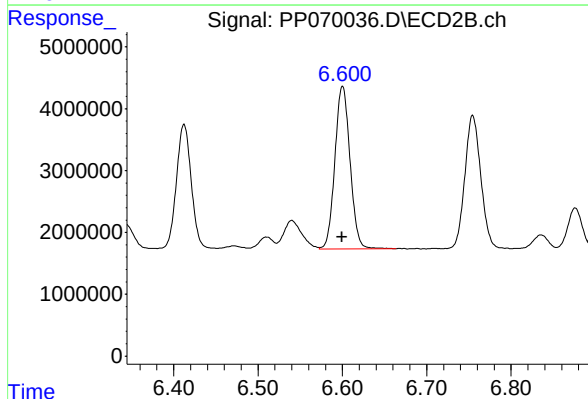
R.T.: 6.412 min
Delta R.T.: 0.000 min
Response: 24992641
Conc: 504.50 ng/ml



#32 AR-1260-2

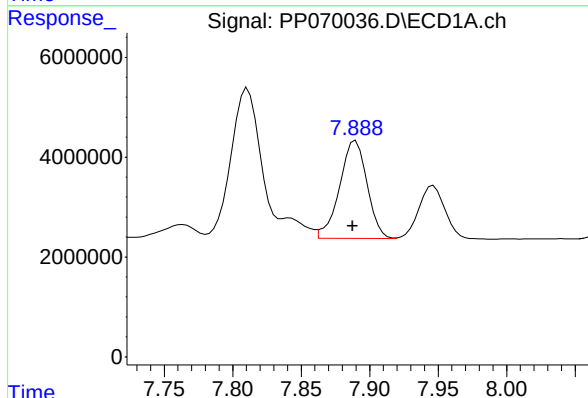
R.T.: 7.531 min
Delta R.T.: 0.002 min
Response: 40507759
Conc: 495.66 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166854BS



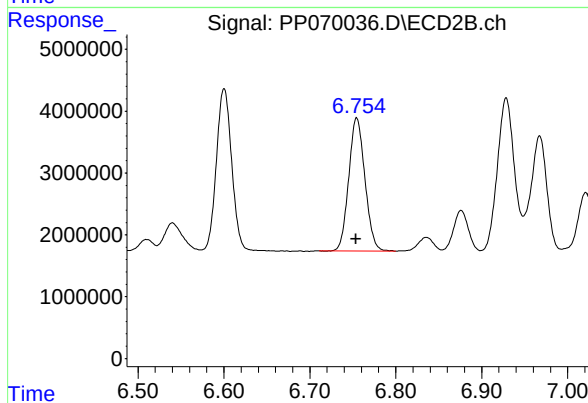
#32 AR-1260-2

R.T.: 6.600 min
Delta R.T.: 0.000 min
Response: 32784692
Conc: 501.14 ng/ml



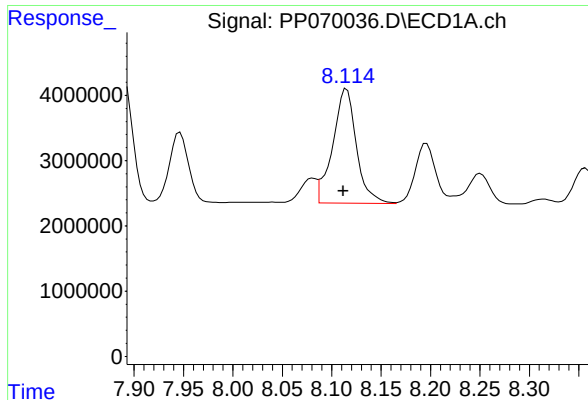
#33 AR-1260-3

R.T.: 7.890 min
Delta R.T.: 0.002 min
Response: 27499489
Conc: 438.16 ng/ml



#33 AR-1260-3

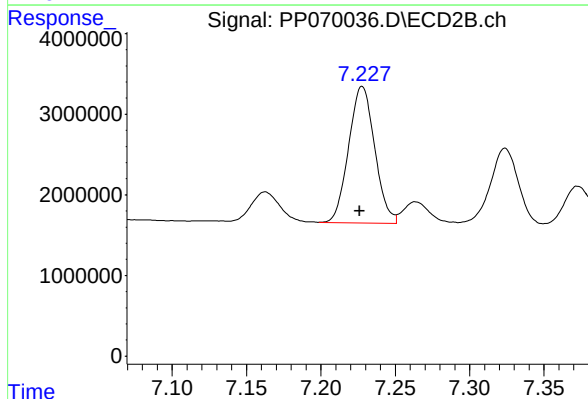
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 28186556
Conc: 467.27 ng/ml



#34 AR-1260-4

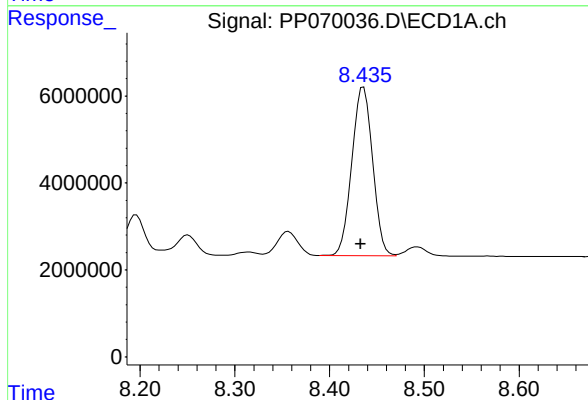
R.T.: 8.115 min
Delta R.T.: 0.003 min
Response: 29219134
Conc: 460.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166854BS



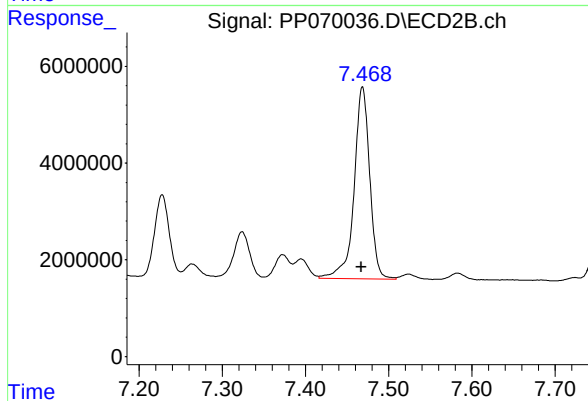
#34 AR-1260-4

R.T.: 7.228 min
Delta R.T.: 0.002 min
Response: 20656143
Conc: 422.70 ng/ml



#35 AR-1260-5

R.T.: 8.436 min
Delta R.T.: 0.003 min
Response: 59376812
Conc: 452.62 ng/ml



#35 AR-1260-5

R.T.: 7.469 min
Delta R.T.: 0.002 min
Response: 51850329
Conc: 435.08 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	02/24/25	
Project:	RFP 905		Date Received:	02/24/25	
Client Sample ID:	P001-CLAY-CF01-01MS		SDG No.:	Q1421	
Lab Sample ID:	Q1421-02MS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	70.3	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070048.D	1	02/25/25 09:02	02/25/25 16:16	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	246		4.80	24.2	ug/kg
11104-28-2	Aroclor-1221	9.10	U	9.10	24.2	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	24.2	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	24.2	ug/kg
12672-29-6	Aroclor-1248	11.2	U	11.2	24.2	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	24.2	ug/kg
37324-23-5	Aroclor-1262	6.50	U	6.50	24.2	ug/kg
11100-14-4	Aroclor-1268	4.90	U	4.90	24.2	ug/kg
11096-82-5	Aroclor-1260	224		4.10	24.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.0		32 - 144	140%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.6		32 - 175	128%	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_P\Data\PP022525\
 Data File : PP070048.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 16:16
 Operator : YP\AJ
 Sample : Q1421-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 P001-CLAY-CF01-01MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:57:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.527	3.831	41118620	26255730	28.017	27.463
2) SA Decachlor...	10.256	8.890	29124347	27359460	25.569	25.237
Target Compounds						
3) L1 AR-1016-1	5.680	4.921	25444668	17308608	510.669	518.244
4) L1 AR-1016-2	5.702	4.940	37323167	24008369	527.328	515.265
5) L1 AR-1016-3	5.764	5.117	22303119	13313768	507.784	531.861
6) L1 AR-1016-4	5.861	5.158	18815294	10396878	518.880	518.013
7) L1 AR-1016-5	6.155	5.374	16692375	13316689	497.707	513.236
31) L7 AR-1260-1	7.274	6.412	30668524	25071207	525.506	506.088
32) L7 AR-1260-2	7.528	6.600	38624410	32981558	472.613	504.150
33) L7 AR-1260-3	7.887	6.754	26713212	29170770	425.634	483.584
34) L7 AR-1260-4	8.111	7.227	29154966	21105848	459.850	431.900
35) L7 AR-1260-5	8.432	7.468	57755994	52119644	440.265	437.338

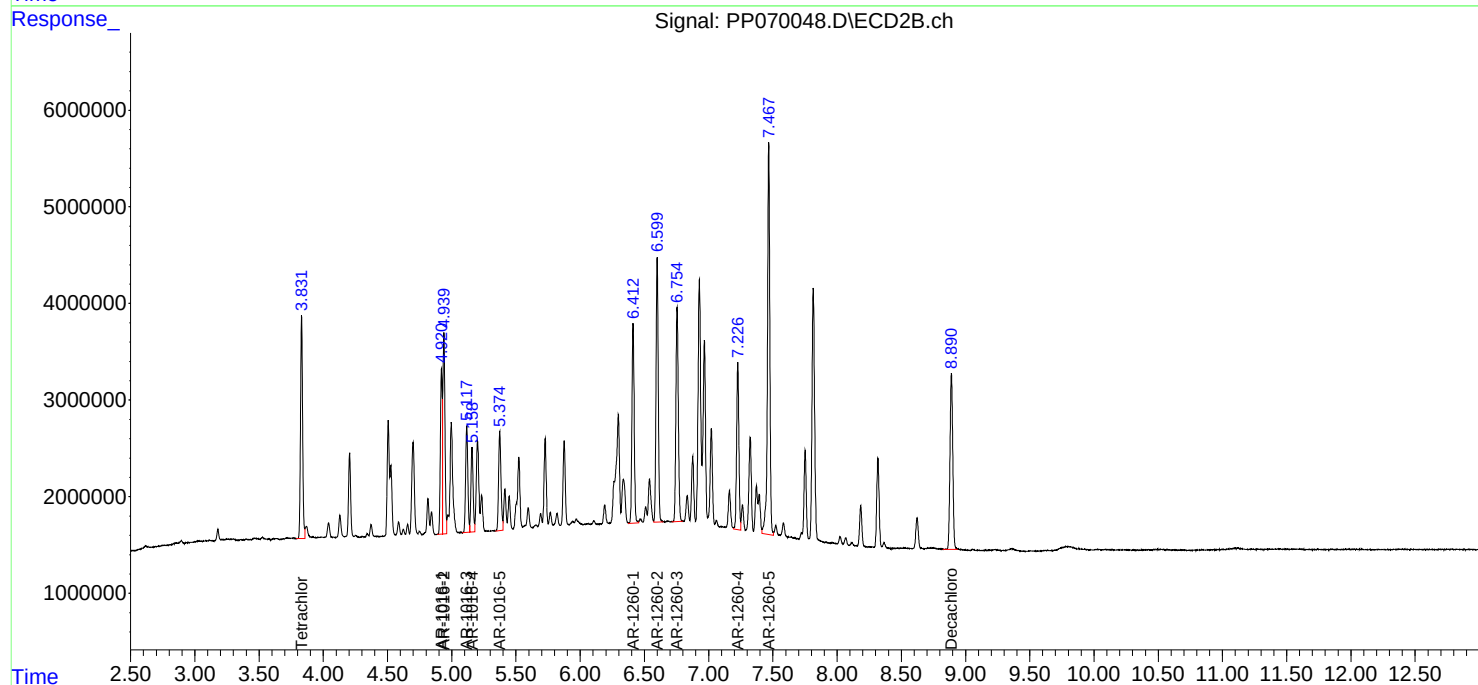
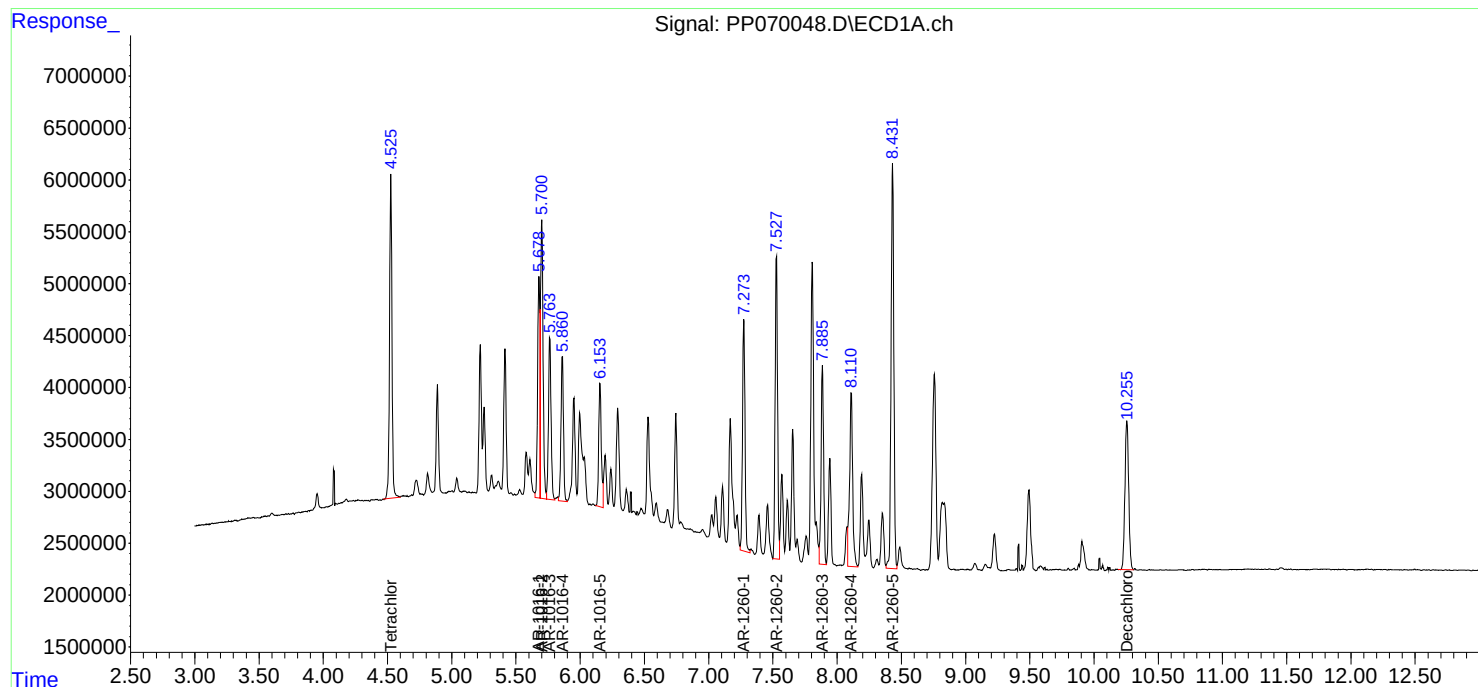
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

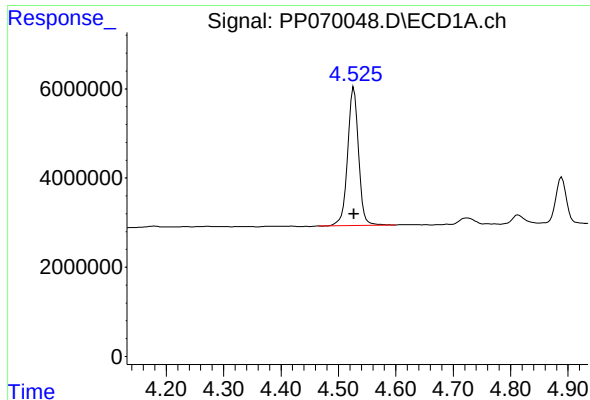
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 16:16
Operator : YP\AJ
Sample : Q1421-02MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:57:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

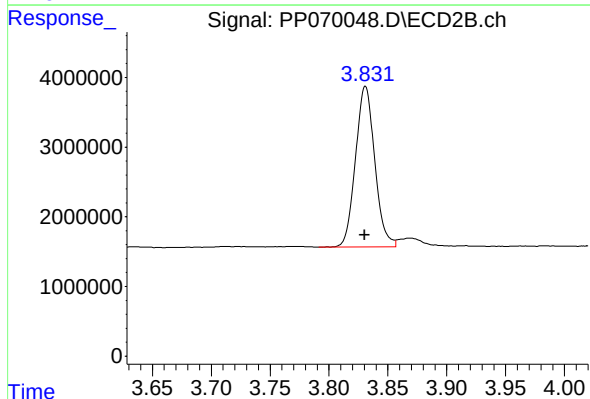




#1 Tetrachloro-m-xylene

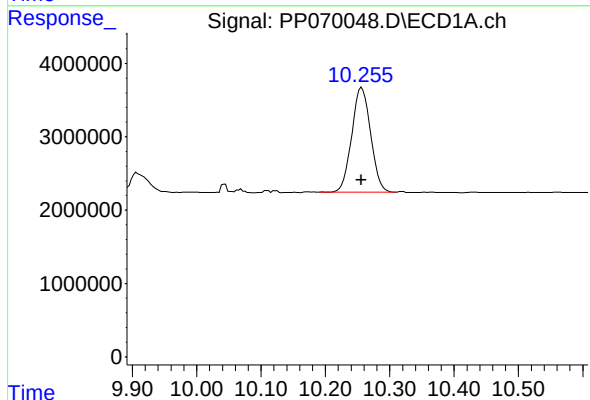
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 41118620
Conc: 28.02 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MS



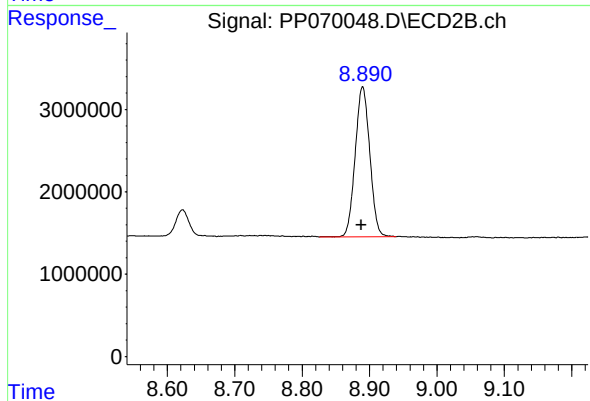
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.000 min
Response: 26255730
Conc: 27.46 ng/ml



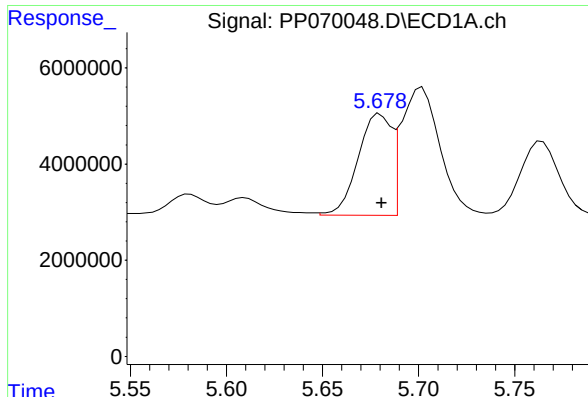
#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: 0.000 min
Response: 29124347
Conc: 25.57 ng/ml



#2 Decachlorobiphenyl

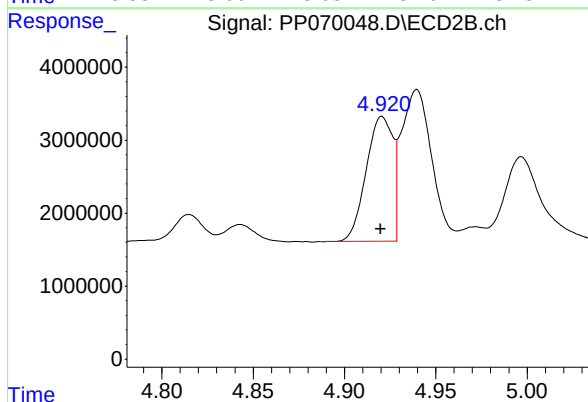
R.T.: 8.890 min
Delta R.T.: 0.002 min
Response: 27359460
Conc: 25.24 ng/ml



#3 AR-1016-1

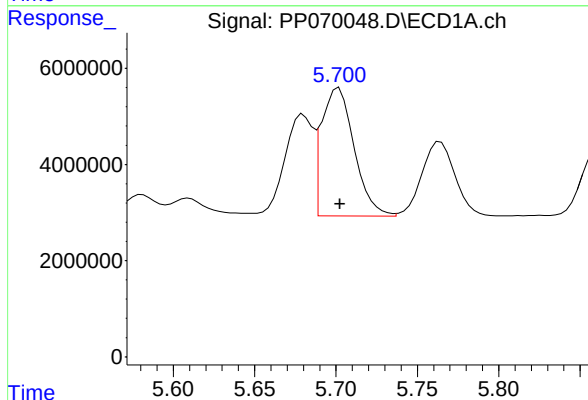
R.T.: 5.680 min
Delta R.T.: 0.000 min
Response: 25444668
Conc: 510.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MS



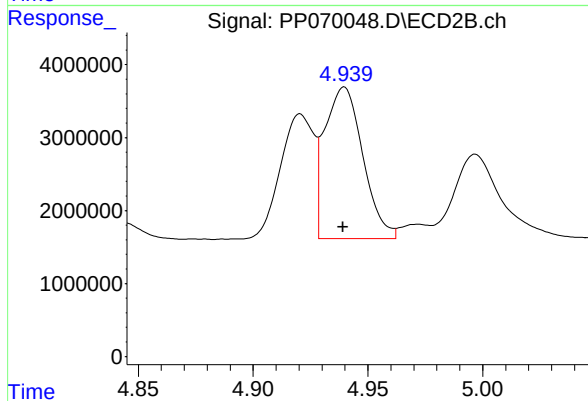
#3 AR-1016-1

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 17308608
Conc: 518.24 ng/ml



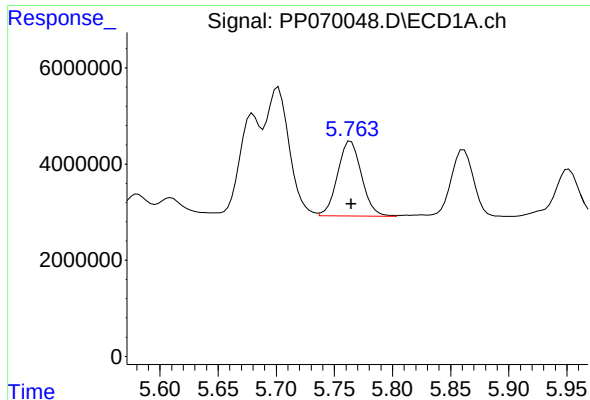
#4 AR-1016-2

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 37323167
Conc: 527.33 ng/ml



#4 AR-1016-2

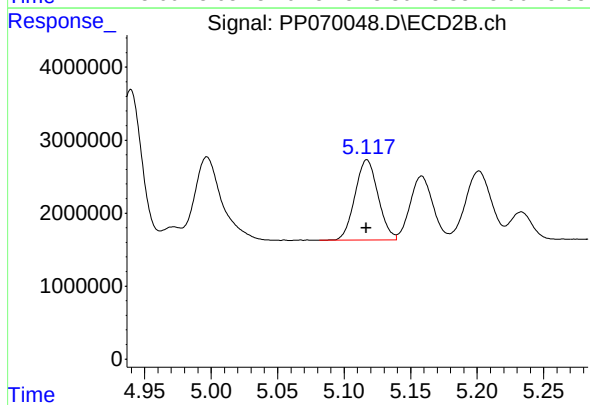
R.T.: 4.940 min
Delta R.T.: 0.000 min
Response: 24008369
Conc: 515.26 ng/ml



#5 AR-1016-3

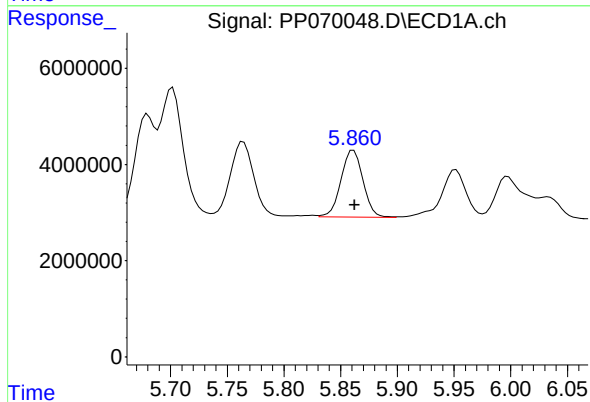
R.T.: 5.764 min
Delta R.T.: 0.000 min
Response: 22303119
Conc: 507.78 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MS



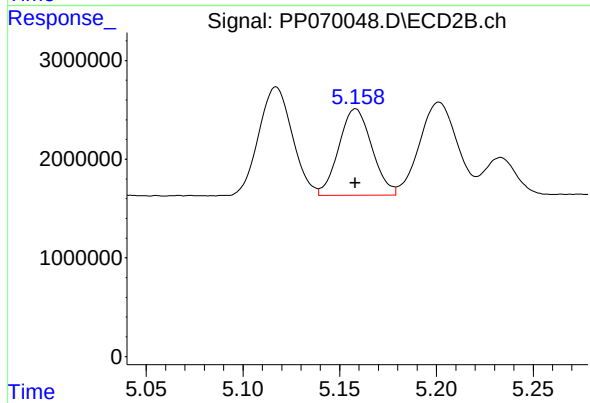
#5 AR-1016-3

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 13313768
Conc: 531.86 ng/ml



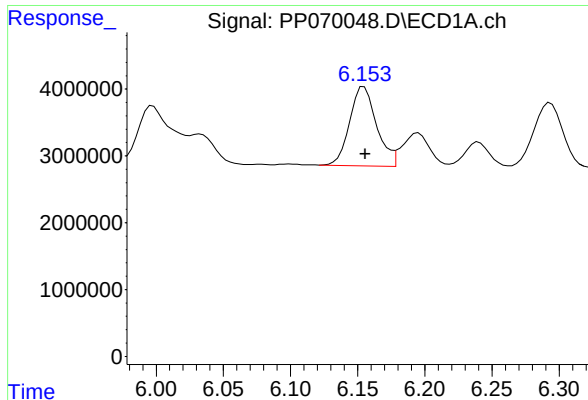
#6 AR-1016-4

R.T.: 5.861 min
Delta R.T.: 0.000 min
Response: 18815294
Conc: 518.88 ng/ml



#6 AR-1016-4

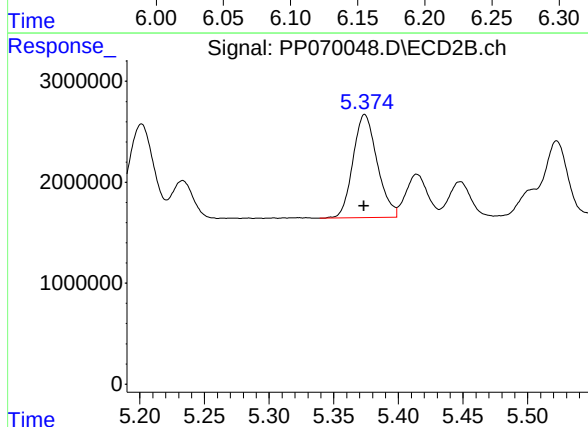
R.T.: 5.158 min
Delta R.T.: 0.000 min
Response: 10396878
Conc: 518.01 ng/ml



#7 AR-1016-5

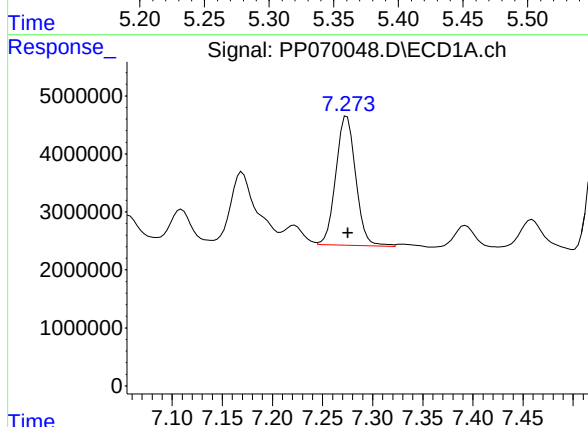
R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 16692375
Conc: 497.71 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MS



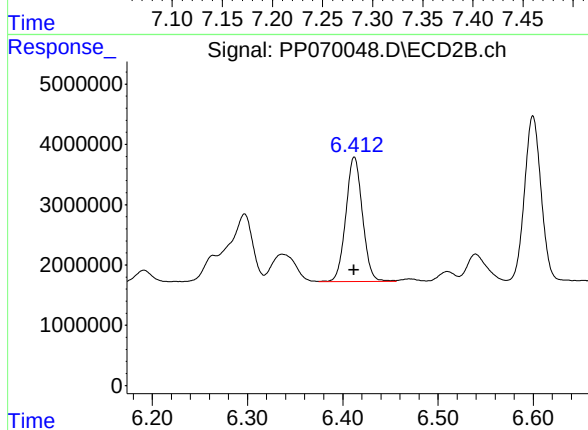
#7 AR-1016-5

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 13316689
Conc: 513.24 ng/ml



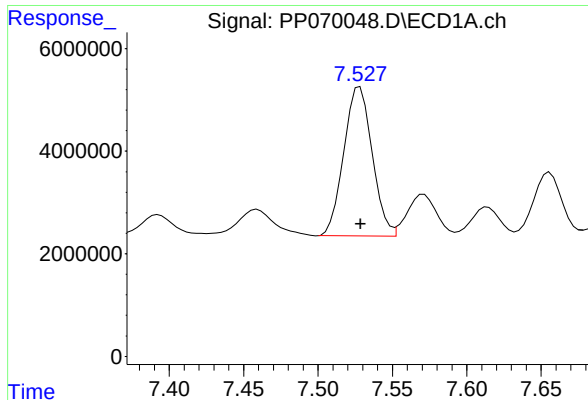
#31 AR-1260-1

R.T.: 7.274 min
Delta R.T.: 0.000 min
Response: 30668524
Conc: 525.51 ng/ml



#31 AR-1260-1

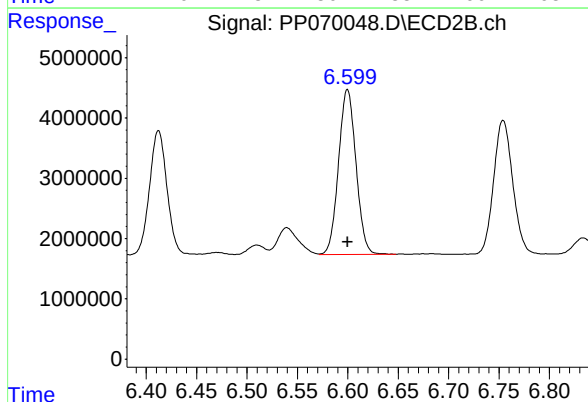
R.T.: 6.412 min
Delta R.T.: 0.000 min
Response: 25071207
Conc: 506.09 ng/ml



#32 AR-1260-2

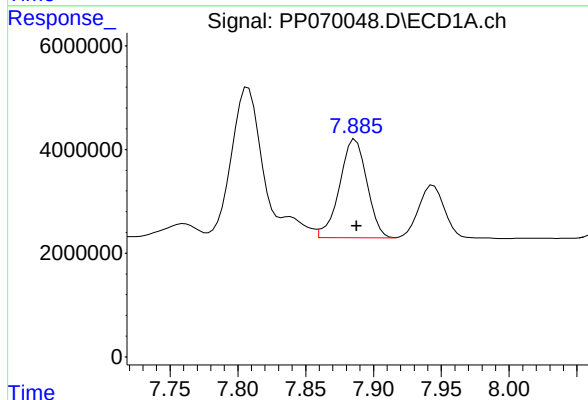
R.T.: 7.528 min
Delta R.T.: 0.000 min
Response: 38624410
Conc: 472.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MS



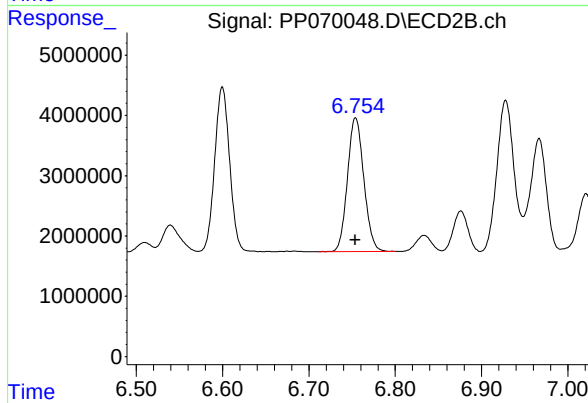
#32 AR-1260-2

R.T.: 6.600 min
Delta R.T.: 0.000 min
Response: 32981558
Conc: 504.15 ng/ml



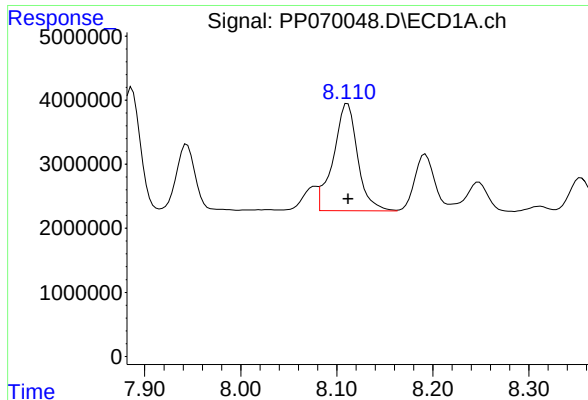
#33 AR-1260-3

R.T.: 7.887 min
Delta R.T.: -0.001 min
Response: 26713212
Conc: 425.63 ng/ml



#33 AR-1260-3

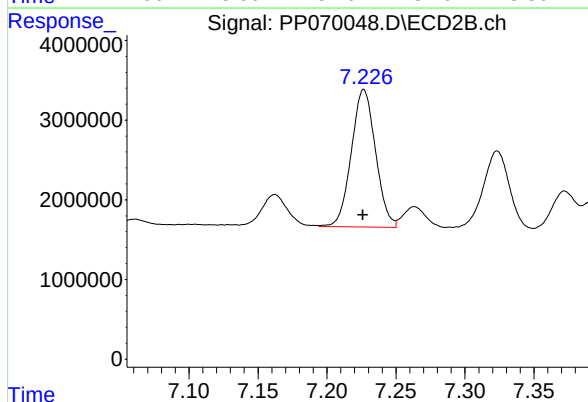
R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 29170770
Conc: 483.58 ng/ml



#34 AR-1260-4

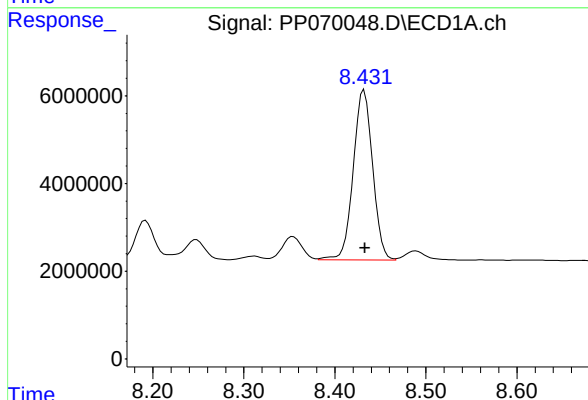
R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 29154966
Conc: 459.85 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MS



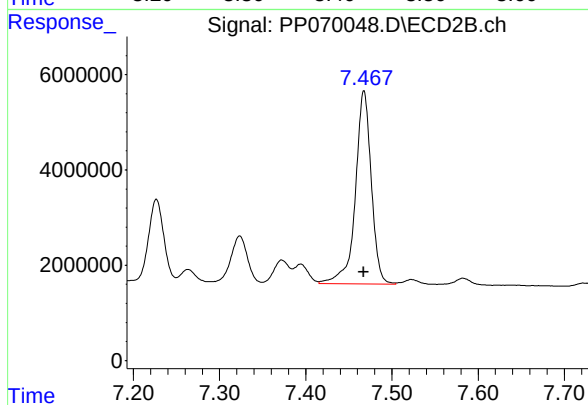
#34 AR-1260-4

R.T.: 7.227 min
Delta R.T.: 0.000 min
Response: 21105848
Conc: 431.90 ng/ml



#35 AR-1260-5

R.T.: 8.432 min
Delta R.T.: 0.000 min
Response: 57755994
Conc: 440.26 ng/ml



#35 AR-1260-5

R.T.: 7.468 min
Delta R.T.: 0.000 min
Response: 52119644
Conc: 437.34 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1421
Lab Sample ID:	Q1421-03MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	70.3
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070049.D	1	02/25/25 09:02	02/25/25 16:32	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	249		4.80	24.2	ug/kg
11104-28-2	Aroclor-1221	9.10	U	9.10	24.2	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	24.2	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	24.2	ug/kg
12672-29-6	Aroclor-1248	11.2	U	11.2	24.2	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	24.2	ug/kg
37324-23-5	Aroclor-1262	6.50	U	6.50	24.2	ug/kg
11100-14-4	Aroclor-1268	4.90	U	4.90	24.2	ug/kg
11096-82-5	Aroclor-1260	226		4.10	24.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.0		32 - 144	140%	SPK: 20
2051-24-3	Decachlorobiphenyl	26.0		32 - 175	130%	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_P\Data\PP022525\
 Data File : PP070049.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 16:32
 Operator : YP\AJ
 Sample : Q1421-03MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 P001-CLAY-CF01-01MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/26/2025
 Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:58:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.528	3.832	41111106	24790706	28.012	25.931
2) SA Decachlor...	10.260	8.890	29649684	27351792	26.031	25.230
Target Compounds						
3) L1 AR-1016-1	5.681	4.922	26288846	16784715	527.611	502.558
4) L1 AR-1016-2	5.703	4.941	37776807	23575883	533.737	505.983
5) L1 AR-1016-3	5.765	5.118	22943551	12937484	522.365	516.829
6) L1 AR-1016-4	5.862	5.159	19594322	10178288	540.364	507.122
7) L1 AR-1016-5	6.155	5.375	16854541	12974963	502.542	500.065
31) L7 AR-1260-1	7.274	6.413	30821485	24955539	528.127m	503.753
32) L7 AR-1260-2	7.529	6.601	39053523	33385211	477.863	510.320
33) L7 AR-1260-3	7.888	6.755	26756934	28701639	426.330	475.807
34) L7 AR-1260-4	8.111	7.228	28692549	20934188	452.557m	428.388
35) L7 AR-1260-5	8.434	7.468	58318475	55334401	444.553	464.313

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070049.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 16:32
Operator : YP\AJ
Sample : Q1421-03MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

P001-CLAY-CF01-01MSD

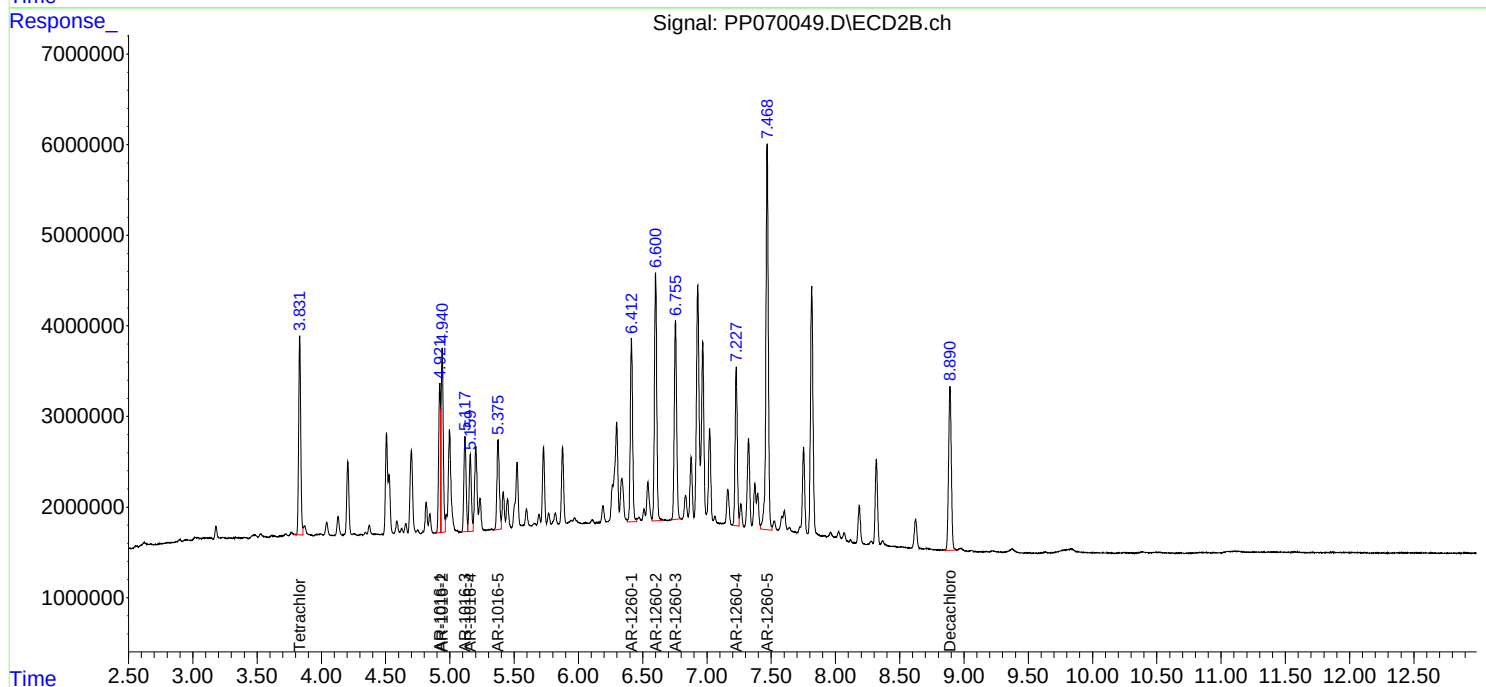
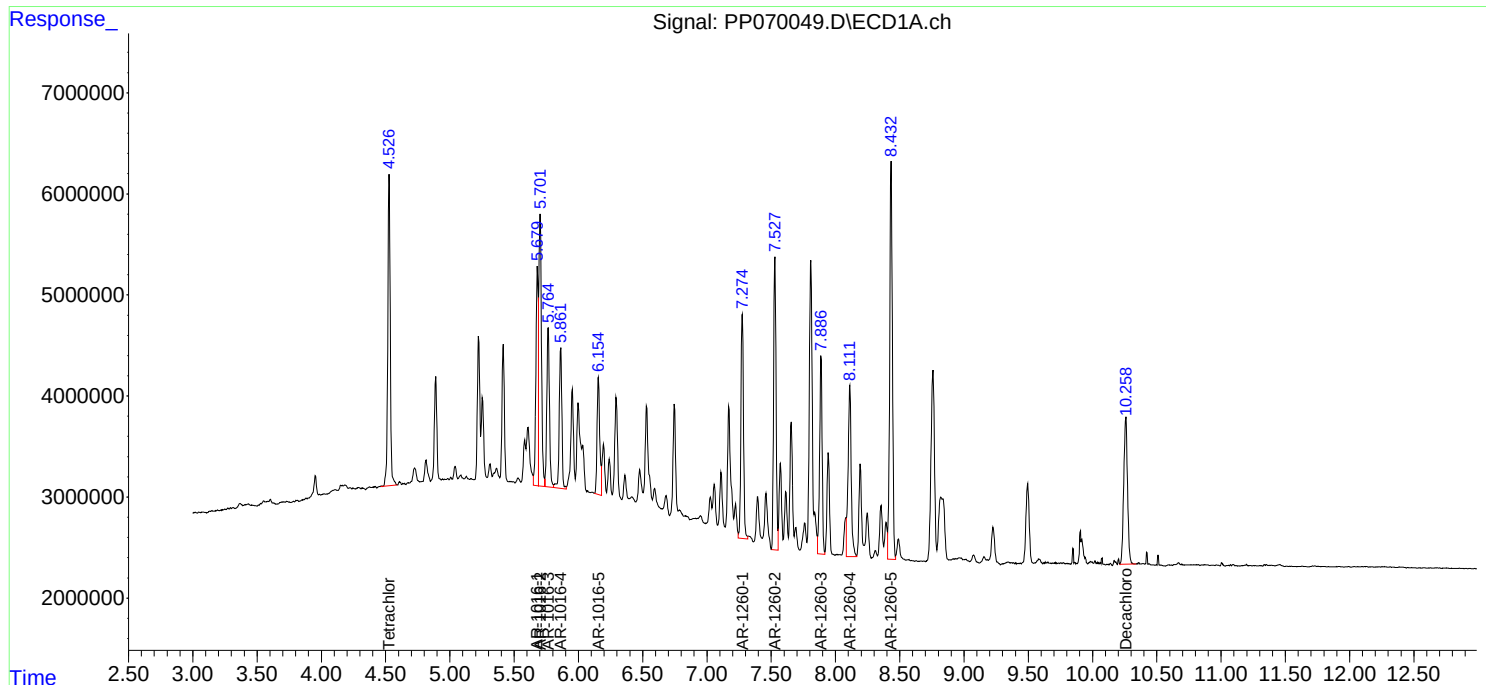
Manual Integrations

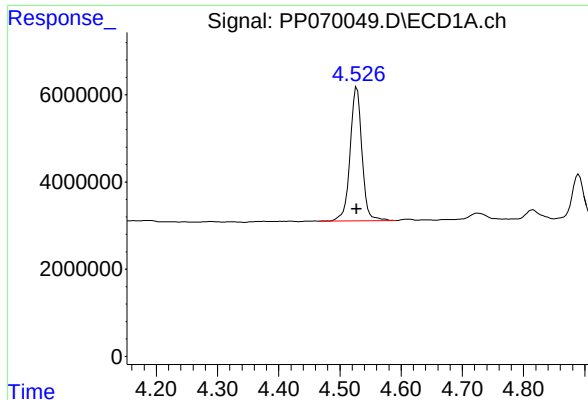
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:58:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





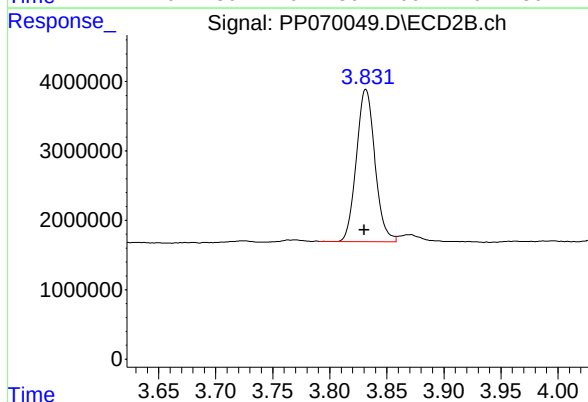
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 41111106
Conc: 28.01 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MSD

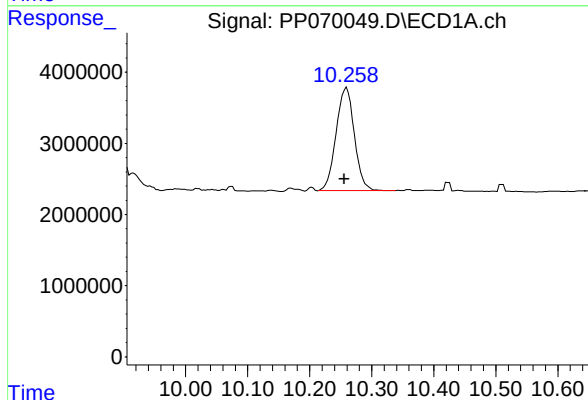
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



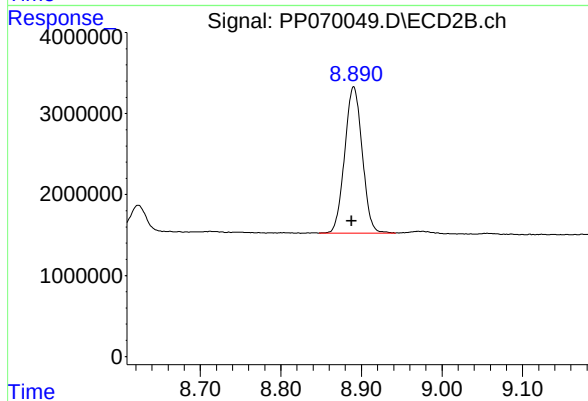
#1 Tetrachloro-m-xylene

R.T.: 3.832 min
Delta R.T.: 0.001 min
Response: 24790706
Conc: 25.93 ng/ml



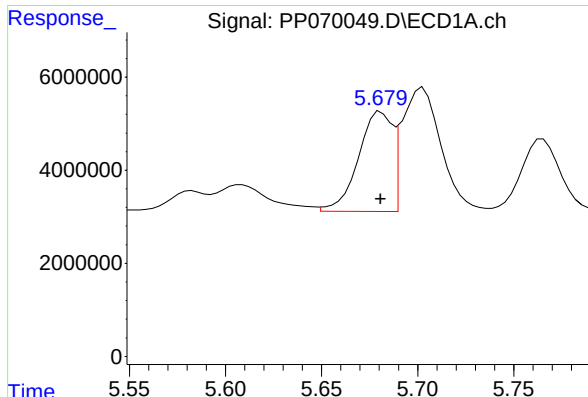
#2 Decachlorobiphenyl

R.T.: 10.260 min
Delta R.T.: 0.004 min
Response: 29649684
Conc: 26.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.890 min
Delta R.T.: 0.002 min
Response: 27351792
Conc: 25.23 ng/ml



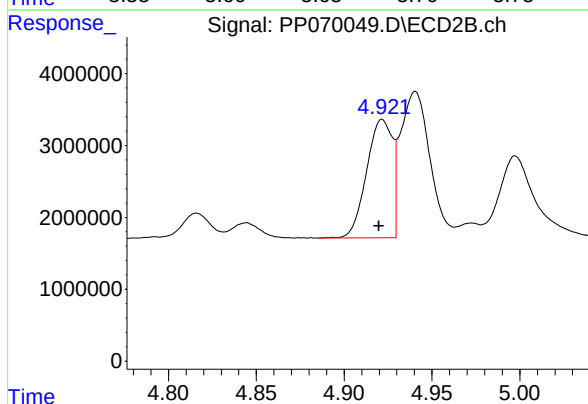
#3 AR-1016-1

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 26288846
Conc: 527.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MSD

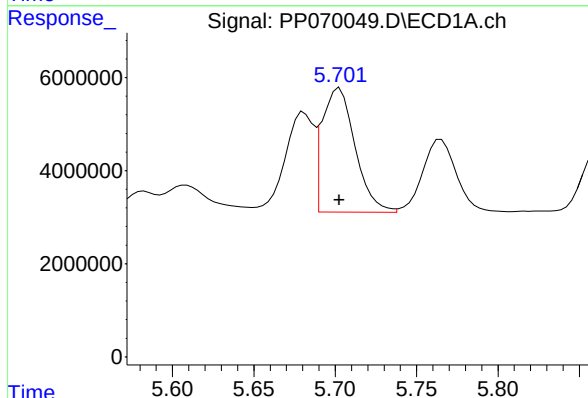
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



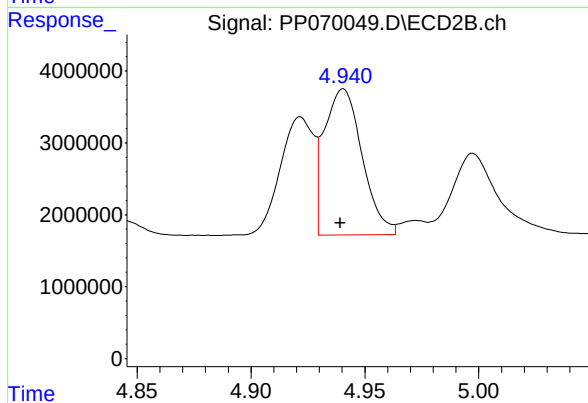
#3 AR-1016-1

R.T.: 4.922 min
Delta R.T.: 0.002 min
Response: 16784715
Conc: 502.56 ng/ml



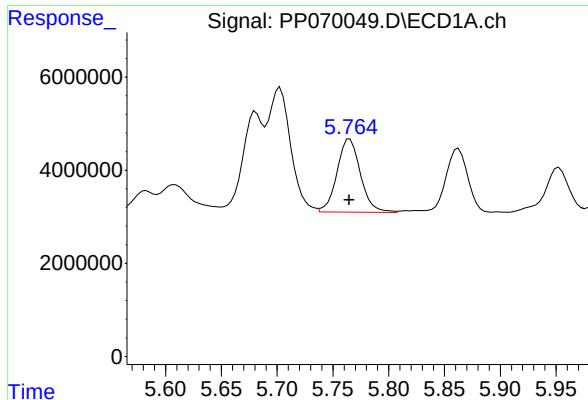
#4 AR-1016-2

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 37776807
Conc: 533.74 ng/ml



#4 AR-1016-2

R.T.: 4.941 min
Delta R.T.: 0.001 min
Response: 23575883
Conc: 505.98 ng/ml



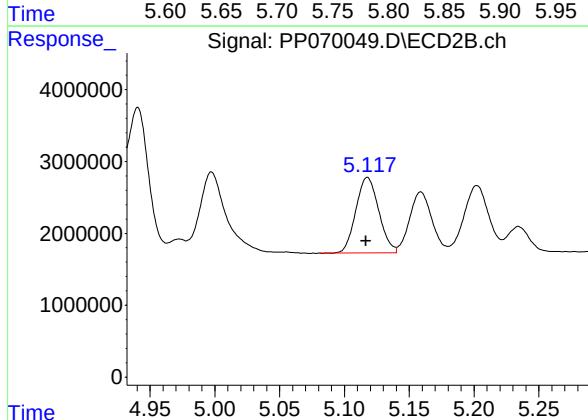
#5 AR-1016-3

R.T.: 5.765 min
Delta R.T.: 0.000 min
Response: 22943551
Conc: 522.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MSD

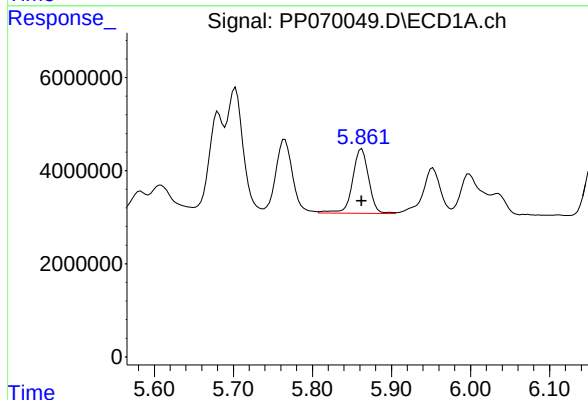
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



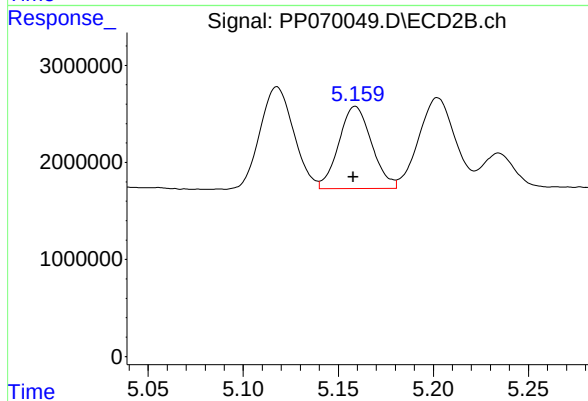
#5 AR-1016-3

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 12937484
Conc: 516.83 ng/ml



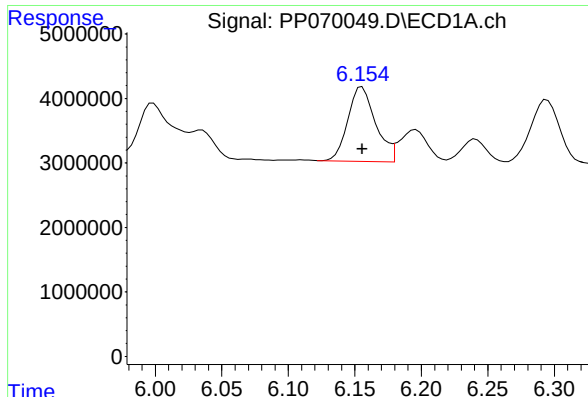
#6 AR-1016-4

R.T.: 5.862 min
Delta R.T.: 0.000 min
Response: 19594322
Conc: 540.36 ng/ml



#6 AR-1016-4

R.T.: 5.159 min
Delta R.T.: 0.001 min
Response: 10178288
Conc: 507.12 ng/ml



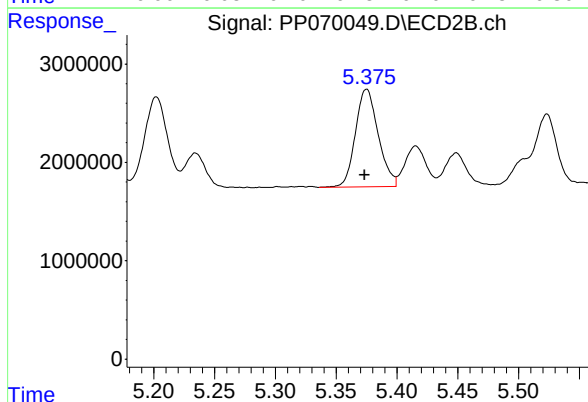
#7 AR-1016-5

R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 16854541
Conc: 502.54 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MSD

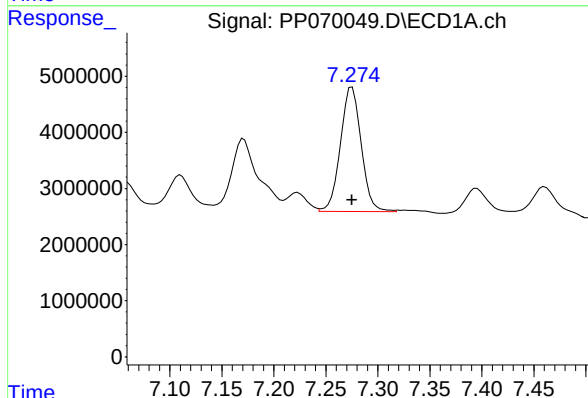
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



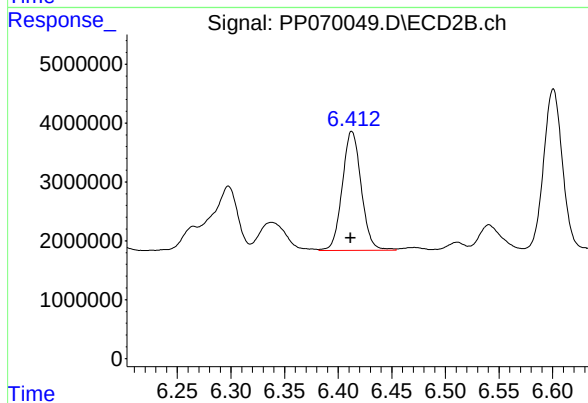
#7 AR-1016-5

R.T.: 5.375 min
Delta R.T.: 0.002 min
Response: 12974963
Conc: 500.07 ng/ml



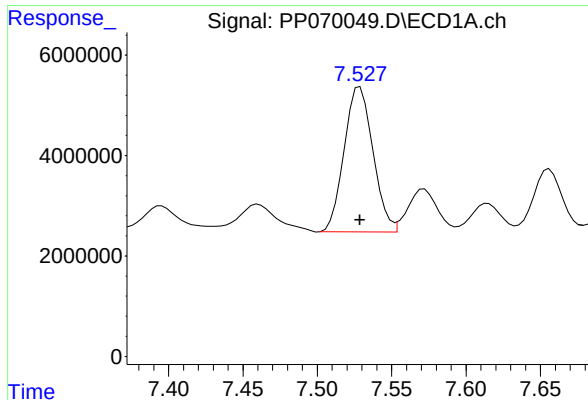
#31 AR-1260-1

R.T.: 7.274 min
Delta R.T.: -0.001 min
Response: 30821485
Conc: 528.13 ng/ml m



#31 AR-1260-1

R.T.: 6.413 min
Delta R.T.: 0.001 min
Response: 24955539
Conc: 503.75 ng/ml



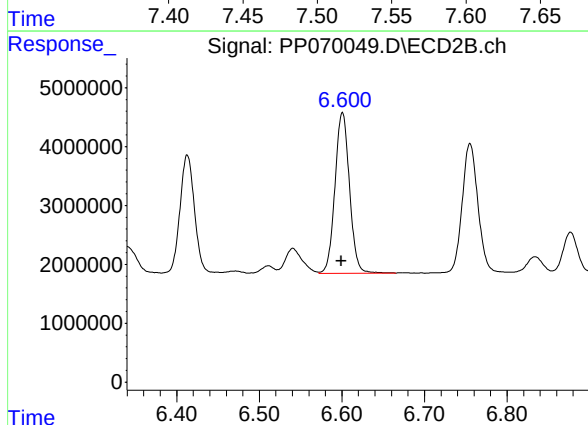
#32 AR-1260-2

R.T.: 7.529 min
Delta R.T.: 0.000 min
Response: 39053523
Conc: 477.86 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MSD

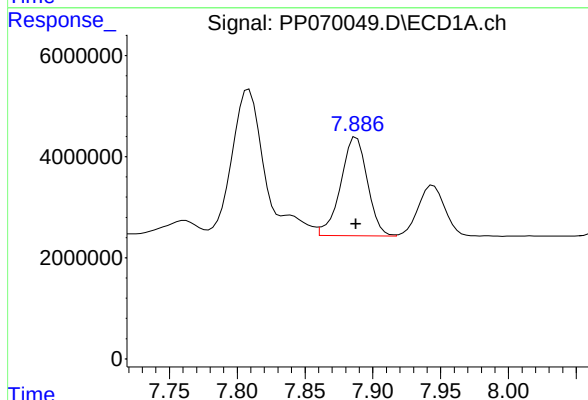
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



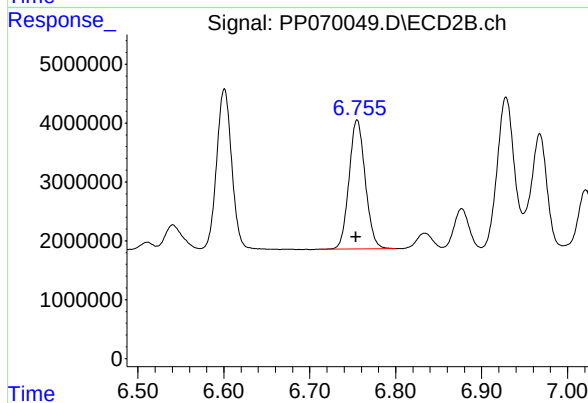
#32 AR-1260-2

R.T.: 6.601 min
Delta R.T.: 0.001 min
Response: 33385211
Conc: 510.32 ng/ml



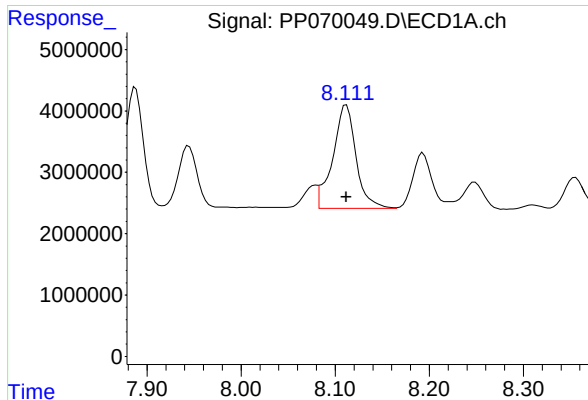
#33 AR-1260-3

R.T.: 7.888 min
Delta R.T.: 0.000 min
Response: 26756934
Conc: 426.33 ng/ml



#33 AR-1260-3

R.T.: 6.755 min
Delta R.T.: 0.001 min
Response: 28701639
Conc: 475.81 ng/ml



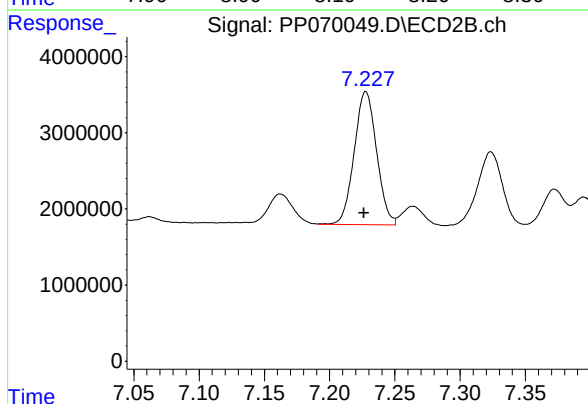
#34 AR-1260-4

R.T.: 8.111 min
Delta R.T.: -0.001 min
Response: 28692549
Conc: 452.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MSD

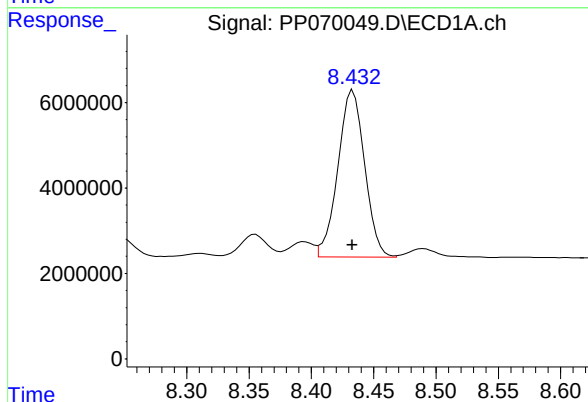
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



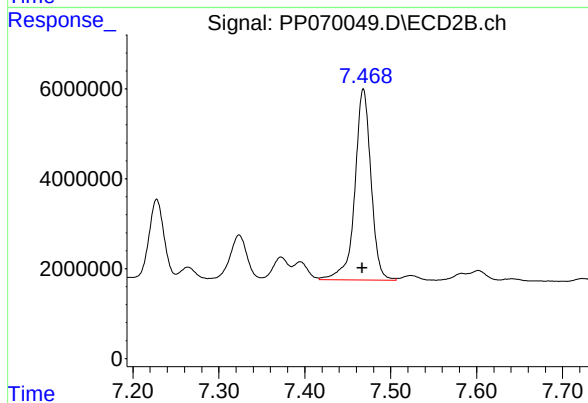
#34 AR-1260-4

R.T.: 7.228 min
Delta R.T.: 0.002 min
Response: 20934188
Conc: 428.39 ng/ml



#35 AR-1260-5

R.T.: 8.434 min
Delta R.T.: 0.000 min
Response: 58318475
Conc: 444.55 ng/ml



#35 AR-1260-5

R.T.: 7.468 min
Delta R.T.: 0.001 min
Response: 55334401
Conc: 464.31 ng/ml

Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP070000.D	AR-1016-1	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-1 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-3	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-3 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-4	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-5	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-1 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-2 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-3 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1221ICC500	PP070001.D	Decachlorobiphenyl	yogesh	2/25/2025 9:00:06 AM	Ankita	2/25/2025 9:47:57	Peak Integrated by Software
AR1242ICC750	PP070004.D	AR-1242-5	yogesh	2/25/2025 9:00:08 AM	Ankita	2/25/2025 9:47:58	Peak Integrated by Software
AR1242ICC250	PP070006.D	AR-1242-5	yogesh	2/25/2025 9:00:09 AM	Ankita	2/25/2025 9:48:00	Peak Integrated by Software

Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP070007.D	AR-1242-1	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-2	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-3	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-4	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-5	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-1	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-2	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-3	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-4	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-5	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1254ICC1000	PP070013.D	AR-1254-1	yogesh	2/25/2025 9:00:14 AM	Ankita	2/25/2025 9:48:05	Peak Integrated by Software
AR1254ICC750	PP070014.D	AR-1254-1	yogesh	2/25/2025 9:00:16 AM	Ankita	2/25/2025 9:48:07	Peak Integrated by Software
AR1254ICC750	PP070014.D	AR-1254-5	yogesh	2/25/2025 9:00:16 AM	Ankita	2/25/2025 9:48:07	Peak Integrated by Software

Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PP070017.D	AR-1254-1	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-1 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-2 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-3	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-3 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-4	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-4 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-5	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-5 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	Tetrachloro-m-xylene	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	Tetrachloro-m-xylene #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1268ICC750	PP070020.D	Tetrachloro-m-xylene #2	yogesh	2/25/2025 9:00:19 AM	Ankita	2/25/2025 9:48:09	Peak Integrated by Software

Manual Integration Report

Sequence:

PP022425

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC250	PP070022.D	AR-1268-4 #2	yogesh	2/25/2025 9:00:21 AM	Ankita	2/25/2025 9:48:11	Peak Integrated by Software
AR1268ICC050	PP070023.D	Tetrachloro-m-xylene	yogesh	2/25/2025 9:00:23 AM	Ankita	2/25/2025 9:48:13	Peak Integrated by Software

Manual Integration Report

Sequence:

PP022525

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP070031.D	AR-1242-1 #2	yogesh	2/26/2025 8:36:56 AM	Ankita	2/26/2025 9:01:50	Peak Integrated by Software
AR1248CCC500	PP070032.D	AR-1248-1 #2	yogesh	2/26/2025 8:36:59 AM	Ankita	2/26/2025 9:01:52	Peak Integrated by Software
AR1254CCC500	PP070033.D	AR-1254-1	yogesh	2/26/2025 8:37:01 AM	Ankita	2/26/2025 9:01:54	Peak Integrated by Software
AR1254CCC500	PP070033.D	AR-1254-4 #2	yogesh	2/26/2025 8:37:01 AM	Ankita	2/26/2025 9:01:54	Peak Integrated by Software
Q1421-03MSD	PP070049.D	AR-1260-1	yogesh	2/26/2025 8:37:10 AM	Ankita	2/26/2025 9:02:02	Peak Integrated by Software
Q1421-03MSD	PP070049.D	AR-1260-4	yogesh	2/26/2025 8:37:10 AM	Ankita	2/26/2025 9:02:02	Peak Integrated by Software
AR1660CCC500	PP070057.D	AR-1016-5	yogesh	2/26/2025 8:37:17 AM	Ankita	2/26/2025 9:02:09	Peak Integrated by Software

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM
SubDirectory	PP022425	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP069994.D	24 Feb 2025 14:27	YP\AJ	Ok
2	I.BLK	PP069995.D	24 Feb 2025 14:43	YP\AJ	Ok
3	AR1660ICC1000	PP069996.D	24 Feb 2025 14:59	YP\AJ	Ok
4	AR1660ICC750	PP069997.D	24 Feb 2025 15:15	YP\AJ	Ok
5	AR1660ICC500	PP069998.D	24 Feb 2025 15:32	YP\AJ	Ok
6	AR1660ICC250	PP069999.D	24 Feb 2025 15:48	YP\AJ	Ok
7	AR1660ICC050	PP070000.D	24 Feb 2025 16:04	YP\AJ	Ok,M
8	AR1221ICC500	PP070001.D	24 Feb 2025 16:20	YP\AJ	Ok,M
9	AR1232ICC500	PP070002.D	24 Feb 2025 16:37	YP\AJ	Ok
10	AR1242ICC1000	PP070003.D	24 Feb 2025 16:53	YP\AJ	Ok
11	AR1242ICC750	PP070004.D	24 Feb 2025 17:09	YP\AJ	Ok,M
12	AR1242ICC500	PP070005.D	24 Feb 2025 17:25	YP\AJ	Ok
13	AR1242ICC250	PP070006.D	24 Feb 2025 17:42	YP\AJ	Ok,M
14	AR1242ICC050	PP070007.D	24 Feb 2025 17:58	YP\AJ	Ok,M
15	AR1248ICC1000	PP070008.D	24 Feb 2025 18:14	YP\AJ	Ok
16	AR1248ICC750	PP070009.D	24 Feb 2025 18:30	YP\AJ	Ok
17	AR1248ICC500	PP070010.D	24 Feb 2025 18:46	YP\AJ	Ok
18	AR1248ICC250	PP070011.D	24 Feb 2025 19:03	YP\AJ	Ok
19	AR1248ICC050	PP070012.D	24 Feb 2025 19:19	YP\AJ	Ok,M
20	AR1254ICC1000	PP070013.D	24 Feb 2025 19:35	YP\AJ	Ok,M
21	AR1254ICC750	PP070014.D	24 Feb 2025 19:51	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM
SubDirectory	PP022425	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PP070015.D	24 Feb 2025 20:08	YP\AJ	Ok
23	AR1254ICC250	PP070016.D	24 Feb 2025 20:24	YP\AJ	Ok
24	AR1254ICC050	PP070017.D	24 Feb 2025 20:40	YP\AJ	Ok,M
25	AR1262ICC500	PP070018.D	24 Feb 2025 20:56	YP\AJ	Ok
26	AR1268ICC1000	PP070019.D	24 Feb 2025 21:12	YP\AJ	Ok
27	AR1268ICC750	PP070020.D	24 Feb 2025 21:29	YP\AJ	Ok,M
28	AR1268ICC500	PP070021.D	24 Feb 2025 21:45	YP\AJ	Ok
29	AR1268ICC250	PP070022.D	24 Feb 2025 22:01	YP\AJ	Ok,M
30	AR1268ICC050	PP070023.D	24 Feb 2025 22:17	YP\AJ	Ok,M
31	PP022425ICV500	PP070024.D	24 Feb 2025 22:34	YP\AJ	Ok
32	AR1242ICV500	PP070025.D	24 Feb 2025 22:50	YP\AJ	Ok
33	AR1248ICV500	PP070026.D	24 Feb 2025 23:06	YP\AJ	Ok
34	AR1254ICV500	PP070027.D	24 Feb 2025 23:22	YP\AJ	Ok
35	AR1268ICV500	PP070028.D	24 Feb 2025 23:38	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022525

Review By	yogesh	Review On	2/26/2025 8:37:32 AM
Supervise By	Ankita	Supervise On	2/26/2025 9:02:27 AM
SubDirectory	PP022525	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070029.D	25 Feb 2025 09:27	YP\AJ	Ok
2	AR1660CCC500	PP070030.D	25 Feb 2025 09:43	YP\AJ	Ok
3	AR1242CCC500	PP070031.D	25 Feb 2025 09:59	YP\AJ	Ok,M
4	AR1248CCC500	PP070032.D	25 Feb 2025 10:15	YP\AJ	Ok,M
5	AR1254CCC500	PP070033.D	25 Feb 2025 10:32	YP\AJ	Ok,M
6	I.BLK	PP070034.D	25 Feb 2025 10:48	YP\AJ	Ok
7	PB166854BL	PP070035.D	25 Feb 2025 12:23	YP\AJ	Ok
8	PB166854BS	PP070036.D	25 Feb 2025 12:39	YP\AJ	Ok
9	Q1415-01	PP070037.D	25 Feb 2025 12:55	YP\AJ	Ok
10	Q1415-02	PP070038.D	25 Feb 2025 13:11	YP\AJ	Ok
11	Q1415-03	PP070039.D	25 Feb 2025 13:28	YP\AJ	Ok,M
12	Q1415-04	PP070040.D	25 Feb 2025 13:44	YP\AJ	Ok,M
13	Q1416-01	PP070041.D	25 Feb 2025 14:00	YP\AJ	Ok,M
14	Q1418-01	PP070042.D	25 Feb 2025 14:16	YP\AJ	Ok,M
15	Q1420-01	PP070043.D	25 Feb 2025 14:33	YP\AJ	Ok
16	Q1420-05	PP070044.D	25 Feb 2025 14:49	YP\AJ	Ok
17	AR1660CCC500	PP070045.D	25 Feb 2025 15:27	YP\AJ	Ok
18	I.BLK	PP070046.D	25 Feb 2025 15:43	YP\AJ	Ok
19	Q1421-01	PP070047.D	25 Feb 2025 16:00	YP\AJ	Ok
20	Q1421-02MS	PP070048.D	25 Feb 2025 16:16	YP\AJ	Ok
21	Q1421-03MSD	PP070049.D	25 Feb 2025 16:32	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022525

Review By	yogesh	Review On	2/26/2025 8:37:32 AM
Supervise By	Ankita	Supervise On	2/26/2025 9:02:27 AM
SubDirectory	PP022525	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1421-07	PP070050.D	25 Feb 2025 16:48	YP\AJ	Ok
23	Q1421-09	PP070051.D	25 Feb 2025 17:05	YP\AJ	Ok
24	PB166856BL	PP070052.D	25 Feb 2025 17:21	YP\AJ	Ok
25	PB166856BS	PP070053.D	25 Feb 2025 17:37	YP\AJ	Ok,M
26	PB166856BSD	PP070054.D	25 Feb 2025 17:53	YP\AJ	Ok
27	Q1415-05	PP070055.D	25 Feb 2025 18:10	YP\AJ	Ok,M
28	Q1415-06	PP070056.D	25 Feb 2025 18:26	YP\AJ	Ok,M
29	AR1660CCC500	PP070057.D	25 Feb 2025 19:04	YP\AJ	Ok,M
30	I.BLK	PP070058.D	25 Feb 2025 19:20	YP\AJ	Ok
31	Q1408-01	PP070059.D	25 Feb 2025 19:36	YP\AJ	Ok,M
32	AR1660CCC500	PP070060.D	25 Feb 2025 20:36	YP\AJ	Ok
33	I.BLK	PP070061.D	25 Feb 2025 20:52	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM
SubDirectory	PP022425	HP Acquire Method	HP Processing Method PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP069994.D	24 Feb 2025 14:27		YPIAJ	Ok
2	I.BLK	I.BLK	PP069995.D	24 Feb 2025 14:43		YPIAJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP069996.D	24 Feb 2025 14:59		YPIAJ	Ok
4	AR1660ICC750	AR1660ICC750	PP069997.D	24 Feb 2025 15:15		YPIAJ	Ok
5	AR1660ICC500	AR1660ICC500	PP069998.D	24 Feb 2025 15:32		YPIAJ	Ok
6	AR1660ICC250	AR1660ICC250	PP069999.D	24 Feb 2025 15:48		YPIAJ	Ok
7	AR1660ICC050	AR1660ICC050	PP070000.D	24 Feb 2025 16:04		YPIAJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP070001.D	24 Feb 2025 16:20		YPIAJ	Ok,M
9	AR1232ICC500	AR1232ICC500	PP070002.D	24 Feb 2025 16:37		YPIAJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP070003.D	24 Feb 2025 16:53		YPIAJ	Ok
11	AR1242ICC750	AR1242ICC750	PP070004.D	24 Feb 2025 17:09		YPIAJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP070005.D	24 Feb 2025 17:25		YPIAJ	Ok
13	AR1242ICC250	AR1242ICC250	PP070006.D	24 Feb 2025 17:42		YPIAJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP070007.D	24 Feb 2025 17:58		YPIAJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP070008.D	24 Feb 2025 18:14		YPIAJ	Ok
16	AR1248ICC750	AR1248ICC750	PP070009.D	24 Feb 2025 18:30		YPIAJ	Ok
17	AR1248ICC500	AR1248ICC500	PP070010.D	24 Feb 2025 18:46		YPIAJ	Ok
18	AR1248ICC250	AR1248ICC250	PP070011.D	24 Feb 2025 19:03		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM
SubDirectory	PP022425	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PP070012.D	24 Feb 2025 19:19		YPIAJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP070013.D	24 Feb 2025 19:35		YPIAJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP070014.D	24 Feb 2025 19:51		YPIAJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP070015.D	24 Feb 2025 20:08		YPIAJ	Ok
23	AR1254ICC250	AR1254ICC250	PP070016.D	24 Feb 2025 20:24		YPIAJ	Ok
24	AR1254ICC050	AR1254ICC050	PP070017.D	24 Feb 2025 20:40		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP070018.D	24 Feb 2025 20:56		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP070019.D	24 Feb 2025 21:12		YPIAJ	Ok
27	AR1268ICC750	AR1268ICC750	PP070020.D	24 Feb 2025 21:29		YPIAJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP070021.D	24 Feb 2025 21:45		YPIAJ	Ok
29	AR1268ICC250	AR1268ICC250	PP070022.D	24 Feb 2025 22:01		YPIAJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP070023.D	24 Feb 2025 22:17		YPIAJ	Ok,M
31	PP022425ICV500	ICVPP022425	PP070024.D	24 Feb 2025 22:34		YPIAJ	Ok
32	AR1242ICV500	ICVPP022425AR1242	PP070025.D	24 Feb 2025 22:50		YPIAJ	Ok
33	AR1248ICV500	ICVPP022425AR1248	PP070026.D	24 Feb 2025 23:06		YPIAJ	Ok
34	AR1254ICV500	ICVPP022425AR1254	PP070027.D	24 Feb 2025 23:22		YPIAJ	Ok
35	AR1268ICV500	ICVPP022425AR1268	PP070028.D	24 Feb 2025 23:38		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022525

Review By	yogesh	Review On	2/26/2025 8:37:32 AM
Supervise By	Ankita	Supervise On	2/26/2025 9:02:27 AM
SubDirectory	PP022525	HP Acquire Method	HP Processing Method PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070029.D	25 Feb 2025 09:27		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070030.D	25 Feb 2025 09:43		YPIAJ	Ok
3	AR1242CCC500	AR1242CCC500	PP070031.D	25 Feb 2025 09:59		YPIAJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP070032.D	25 Feb 2025 10:15		YPIAJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP070033.D	25 Feb 2025 10:32		YPIAJ	Ok,M
6	I.BLK	I.BLK	PP070034.D	25 Feb 2025 10:48		YPIAJ	Ok
7	PB166854BL	PB166854BL	PP070035.D	25 Feb 2025 12:23		YPIAJ	Ok
8	PB166854BS	PB166854BS	PP070036.D	25 Feb 2025 12:39		YPIAJ	Ok
9	Q1415-01	B-163-SB01	PP070037.D	25 Feb 2025 12:55		YPIAJ	Ok
10	Q1415-02	B-172-SB01	PP070038.D	25 Feb 2025 13:11		YPIAJ	Ok
11	Q1415-03	B-163-SB02	PP070039.D	25 Feb 2025 13:28		YPIAJ	Ok,M
12	Q1415-04	B-172-SB02	PP070040.D	25 Feb 2025 13:44		YPIAJ	Ok,M
13	Q1416-01	OK-01-022425	PP070041.D	25 Feb 2025 14:00		YPIAJ	Ok,M
14	Q1418-01	TR-06-02242025	PP070042.D	25 Feb 2025 14:16		YPIAJ	Ok,M
15	Q1420-01	TP-1-WC	PP070043.D	25 Feb 2025 14:33		YPIAJ	Ok
16	Q1420-05	TP-2-WC	PP070044.D	25 Feb 2025 14:49		YPIAJ	Ok
17	AR1660CCC500	AR1660CCC500	PP070045.D	25 Feb 2025 15:27		YPIAJ	Ok
18	I.BLK	I.BLK	PP070046.D	25 Feb 2025 15:43		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022525

Review By	yogesh	Review On	2/26/2025 8:37:32 AM
Supervise By	Ankita	Supervise On	2/26/2025 9:02:27 AM
SubDirectory	PP022525	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1421-01	P001-CLAY-CF01-01	PP070047.D	25 Feb 2025 16:00		YPIAJ	Ok
20	Q1421-02MS	P001-CLAY-CF01-01M	PP070048.D	25 Feb 2025 16:16		YPIAJ	Ok
21	Q1421-03MSD	P001-CLAY-CF01-01M	PP070049.D	25 Feb 2025 16:32		YPIAJ	Ok,M
22	Q1421-07	P001-CLAY-CF01-02	PP070050.D	25 Feb 2025 16:48		YPIAJ	Ok
23	Q1421-09	P001-CLAY-CF02-01	PP070051.D	25 Feb 2025 17:05		YPIAJ	Ok
24	PB166856BL	PB166856BL	PP070052.D	25 Feb 2025 17:21		YPIAJ	Ok
25	PB166856BS	PB166856BS	PP070053.D	25 Feb 2025 17:37		YPIAJ	Ok,M
26	PB166856BSD	PB166856BSD	PP070054.D	25 Feb 2025 17:53		YPIAJ	Ok
27	Q1415-05	FB02222025	PP070055.D	25 Feb 2025 18:10		YPIAJ	Ok,M
28	Q1415-06	B-173-GW01	PP070056.D	25 Feb 2025 18:26		YPIAJ	Ok,M
29	AR1660CCC500	AR1660CCC500	PP070057.D	25 Feb 2025 19:04		YPIAJ	Ok,M
30	I.BLK	I.BLK	PP070058.D	25 Feb 2025 19:20		YPIAJ	Ok
31	Q1408-01	813	PP070059.D	25 Feb 2025 19:36	DCB High in 1st column	YPIAJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP070060.D	25 Feb 2025 20:36		YPIAJ	Ok
33	I.BLK	I.BLK	PP070061.D	25 Feb 2025 20:52		YPIAJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: Jigneesh
Date: 3/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 02/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134780

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1401-07	BP-VPB-192-GW-825-827	1	1.15	8.83	9.98	2.04	10.1	sludge sample
Q1401-08	BP-VPB-192-GW-860-862	2	1.13	8.65	9.78	1.93	9.2	sludge sample
Q1401-09	BP-VPB-192-GW-880-882	3	1.13	8.68	9.81	1.64	5.9	sludge sample
Q1403-05	SVOC-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1403-06	PEST-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q1403-07	PEST-GPC-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q1403-08	PCB-GPC-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1403-09	PCB-GPC-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1403-10	SVOC-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1403-11	PEST-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q1403-12	PEST-GPC2-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
Q1403-13	PCB-GPC2-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1403-14	PCB-GPC2-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1407-01	022125	14	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1411-01	HR-02-02212025	15	1.16	8.48	9.64	9.09	93.5	
Q1411-02	HR-02-02212025-E2	16	1.15	8.70	9.85	9.12	91.6	
Q1411-03	HR-03-02212025	17	1.15	8.81	9.96	9.2	91.4	
Q1411-04	HR-03-02212025-E2	18	1.14	8.43	9.57	8.93	92.4	
Q1412-01	GAS-FUEL-ISLAND-MAT	19	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1413-01	BU-2-022125	20	1.18	8.58	9.76	9.28	94.4	
Q1413-02	BU-2-022125	21	1.19	8.45	9.64	9.22	95.0	
Q1414-01	BUR-1316	22	1.12	8.78	9.9	6.68	63.3	
Q1415-01	B-163-SB01	23	1.15	8.80	9.95	8.94	88.5	
Q1415-02	B-172-SB01	24	1.17	8.60	9.77	8.62	86.6	
Q1415-03	B-163-SB02	25	1.13	8.85	9.98	7.54	72.4	
Q1415-04	B-172-SB02	26	1.18	8.77	9.95	9.05	89.7	
Q1416-01	OK-01-022425	27	1.15	8.48	9.63	8.58	87.6	
Q1416-02	OK-01-022425-E2	28	1.16	8.69	9.85	8.77	87.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: Jignesh
Date: 3/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 02/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134780

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1418-01	TR-06-02242025	35	1.15	8.71	9.86	8.87	88.6	
Q1418-02	TR-06-02242025-E2	36	1.12	8.75	9.87	8.76	87.3	
Q1420-01	TP-1-WC	29	1.15	8.82	9.97	9.04	89.5	
Q1420-02	TP-1-WC-EPH	30	1.12	8.76	9.88	8.96	89.5	
Q1420-03	TP-1-WC-VOC	31	1.14	8.85	9.99	9.18	90.8	
Q1420-05	TP-2-WC	32	1.15	8.62	9.77	8.79	88.6	
Q1420-06	TP-2-WC-EPH	33	1.15	8.40	9.55	8.63	89.0	
Q1420-07	TP-2-WC-VOC	34	1.14	8.85	9.99	9.00	88.8	
Q1421-01	P001-CLAY-CF01-01	37	1.17	8.60	9.77	7.22	70.3	
Q1421-02	Q1421-01MS	38	1.17	8.60	9.77	7.22	70.3	
Q1421-03	Q1421-01MSD	39	1.17	8.60	9.77	7.22	70.3	
Q1421-04	P001-CLAY-CF01-01	40	1.00	9.00	10.00	1.00	0.0	
Q1421-05	Q1421-04MS	41	1.00	9.00	10.00	1.00	0.0	
Q1421-06	Q1421-04MSD	42	1.00	9.00	10.00	1.00	0.0	
Q1421-07	P001-CLAY-CF01-02	43	1.12	8.55	9.67	7.55	75.2	
Q1421-08	P001-CLAY-CF01-02	44	1.00	9.00	10.00	1.00	0.0	
Q1421-09	P001-CLAY-CF02-01	45	1.11	8.74	9.85	7.96	78.4	
Q1421-10	P001-CLAY-CF02-01	46	1.00	9.00	10.00	1.00	0.0	

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

WORKLIST(Hardcopy Internal Chain)

UB 134780

WorkList Name : %1-022425

WorkList ID : 187836

Department : Wet-Chemistry

Date : 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1401-07	BP-VPB-192-GW-825-827	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1401-08	BP-VPB-192-GW-860-862	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1401-09	BP-VPB-192-GW-880-882	Solid	Percent Solids	1:1 HCl to pH < 2	TETR06	H31	02/17/2025	Chemtech -SO
Q1403-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1403-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	H11	02/21/2025	Chemtech -SO
Q1407-01	022125	Solid	Percent Solids	Cool 4 deg C	PSEG03	H23	02/21/2025	Chemtech -SO
Q1411-01	HR-02-02212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-02	HR-02-02212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-03	HR-03-02212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1411-04	HR-03-02212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1412-01	GAS-FUEL-ISLAND-MAT	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/21/2025	Chemtech -SO
Q1413-01	BU-2-022125	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO
Q1413-02	BU-2-022125	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/21/2025	Chemtech -SO

Date/Time 02/24/25 15:25

Raw Sample Received by: JB WCC

Raw Sample Relinquished by: CR SW

Q1421-PCB

Date/Time 02/24/25

Raw Sample Received by: 17-10

Raw Sample Relinquished by: JB WCC

WORKLIST(Hardcopy Internal Chain)

UH 134780

WorkList Name : %1-022425

WorkList ID : 187836

Department : Wet-Chemistry

Date : 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1414-01	BUR-1316	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/21/2025	Chemtech -SO
Q1415-01	B-163-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-02	B-172-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-03	B-163-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1415-04	B-172-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N31	02/22/2025	Chemtech -SO
Q1416-01	OK-01-022425	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/24/2025	Chemtech -SO
Q1416-02	OK-01-022425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/24/2025	Chemtech -SO
Q1418-01	TR-06-02242025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/24/2025	Chemtech -SO
Q1418-02	TR-06-02242025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/24/2025	Chemtech -SO
Q1420-01	TP-1-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-02	TP-1-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-03	TP-1-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-05	TP-2-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-06	TP-2-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1420-07	TP-2-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/24/2025	Chemtech -SO
Q1421-01	P001-CLAY-CF01-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-02	Q1421-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-03	Q1421-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-04	P001-CLAY-CF01-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-05	Q1421-04MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-06	Q1421-04MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO

Date/Time 02/24/25 15:25
 Raw Sample Received by: SP WLC
 Raw Sample Relinquished by: Q1421-PCB

Date/Time 02/24/25 17:10
 Raw Sample Received by: SP WLC
 Raw Sample Relinquished by: 360 of 456

WORKLIST(Hardcopy Internal Chain)

134780

WorkList Name : %1-022425

WorkList ID : 187836

Department : Wet-Chemistry

Date : 02-24-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1421-07	P001-CLAY-CF01-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-08	P001-CLAY-CF01-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-09	P001-CLAY-CF02-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO
Q1421-10	P001-CLAY-CF02-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	H31	02/24/2025	Chemtech -SO

Date/Time 02/24/25 15:25
 Raw Sample Received by: SPW
 Raw Sample Relinquished by: AP

Q1421-PCB

Date/Time 02/24/25 17:10
 Raw Sample Received by: AP
 Raw Sample Relinquished by: SPW
 361 of 456

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Welgh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 02/25/2025

Extraction Start Time : 09:02

Extraction End Date : 02/25/2025

Extraction End Time : 12:05

Concentration By: EH

Supervisor By : RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24093
Surrogate	1.0ML	200 PPB	PP24123
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2583
Baked Na2SO4	N/A	EP2589
Sand	N/A	E2865
H2SO4 1:1	N/A	EP2565
Hexane	N/A	E3877
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:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/25/25	RS (Ext Lab)	Y.P. Pestipod.
12:10	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 02/25/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166854BL	ABLK854	PCB	30.01	N/A	ritesh	Evelyn	10			U7-1
PB166854BS	ALCS854	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q1415-01	B-163-SB01	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q1415-02	B-172-SB01	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q1415-03	B-163-SB02	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q1415-04	B-172-SB02	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q1416-01	OK-01-022425	PCB	30.03	N/A	ritesh	Evelyn	10	E		U6-1
Q1418-01	TR-06-02242025	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
Q1420-01	TP-1-WC	PCB	30.09	N/A	ritesh	Evelyn	10	E		3
Q1420-05	TP-2-WC	PCB	30.05	N/A	ritesh	Evelyn	10	E		4
Q1421-01	P001-CLAY-CF01-01	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
Q1421-02	Q1421-01MS	PCB	30.01	N/A	ritesh	Evelyn	10	E		6
Q1421-03	Q1421-01MSD	PCB	30.03	N/A	ritesh	Evelyn	10	E		U2-1
Q1421-07	P001-CLAY-CF01-02	PCB	30.07	N/A	ritesh	Evelyn	10	F		2
Q1421-09	P001-CLAY-CF02-01	PCB	30.02	N/A	ritesh	Evelyn	10	E		3

* Extracts relinquished on the same date as received.

166884
9-102

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1416

WorkList ID : 187862

Department : Extraction

Date : 02-25-2025 08:37:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1415-01	B-163-SB01	Solid	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A
Q1415-02	B-172-SB01	Solid	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A
Q1415-03	B-163-SB02	Solid	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A
Q1415-04	B-172-SB02	Solid	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A
Q1416-01	OK-01-022425	Solid	PCB	Cool 4 deg C	PSEG05	N41	02/24/2025	8082A
Q1418-01	TR-06-02242025	Solid	PCB	Cool 4 deg C	PSEG05	H41	02/24/2025	8082A
Q1420-01	TP-1-WC	Solid	PCB	Cool 4 deg C	PSEG03	N41	02/24/2025	8082A
Q1420-05	TP-2-WC	Solid	PCB	Cool 4 deg C	PSEG03	N41	02/24/2025	8082A
Q1421-01	P001-CLAY-CF01-01	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A
Q1421-02	Q1421-01MS	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A
Q1421-03	Q1421-01MSD	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A
Q1421-07	P001-CLAY-CF01-02	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A
Q1421-09	P001-CLAY-CF02-01	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A

Date/Time 2/25/25 9:00
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by: CP SM

Q1421-PCB

Date/Time 2/25/25 9:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Ext-Lab)
364 of 456

Prep Standard - Chemical Standard Summary

Order ID : Q1421

Test : PCB

Prepbatch ID : PB166854,

Sequence ID/Qc Batch ID: PP022525,

Standard ID :

EP2565,EP2583,EP2589,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23946,PP23947,PP24093,PP24123,

Chemical ID :

E2865,E3551,E3804,E3805,E3825,E3843,E3846,E3872,E3873,E3877,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13350,P13353,P13372,W3112,

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>
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 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>
230	1:1ACETONE/HEXANE	EP2583	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3872 + 8000.00000ml of E3873 = Final Quantity: 8000.000 ml

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	EP2589	02/14/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 02/14/2025

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	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = 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>
202	AR1660 1000/100 ppb working solution 1st source	PP23735	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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>
203	AR1660 750 PPB STD	PP23736	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23735 = 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>
204	AR1660 500 PPB STD	PP23737	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23735 = 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>
205	AR1660 250 PPB STD	PP23738	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23735 = 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>
206	AR1660 50 PPB STD	PP23739	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23737 = 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>
213	AR1221 1000 PPB WORKING SOLUTION	PP23740	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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>
1079	AR1221 750 PPB STD	PP23741	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23740 = 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>
222	AR1221 500 PPB STD	PP23742	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23740 = 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>
1080	AR1221 250 PPB STD	PP23743	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23740 = 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>
1081	AR1221 50 PPB STD	PP23744	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23742 = 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>
214	AR1232 1000 PPB WORKING SOLUTION	PP23745	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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>
1063	AR1232 750 PPB STD	PP23747	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23745 = 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>
223	AR1232 500 PPB STD	PP23748	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23745 = 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>
1064	AR1232 250 PPB STD	PP23749	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23745 = 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>
1065	AR1232 50 PPB STD	PP23750	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23748 = 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>
215	AR1242 1000 PPB WORKING STD	PP23751	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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>
1067	AR1242 750 PPB STD	PP23752	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23751 = 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>
224	AR1242 500 PPB STD	PP23753	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23751 = 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>
1068	AR1242 250 PPB STD	PP23754	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23751 = 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>
1069	AR1242 50 PPB STD	PP23755	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23753 = 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>
216	AR1248 1000 PPB WORKING STD	PP23756	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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>
1075	AR1248 750 PPB STD	PP23757	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23756 = 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>
225	AR1248 500 PPB STD	PP23758	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23756 = 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>
1076	AR1248 250 PPB STD	PP23759	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23756 = 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>
1077	AR1248 50 PPB STD	PP23760	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23758 = 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>
217	AR1254 1000 PPB WORKING STD	PP23761	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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>
1071	AR1254 750 PPB STD	PP23762	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23761 = 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>
226	AR1254 500 PPB STD	PP23763	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23761 = 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>
1072	AR1254 250 PPB STD	PP23764	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23761 = 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>
1073	AR1254 50 PPB STD	PP23765	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23763 = 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>
1529	AR1262 1000 PPB Working Solution	PP23766	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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>
3753	AR1262 750 PPB STD	PP23767	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23766 = 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>
1530	AR1262 500 PPB STD	PP23768	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23766 = 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>
3754	AR1262 250 PPB STD	PP23769	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23766 = 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>
3755	AR1262 50 PPB STD	PP23770	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23768 = 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>
1532	AR1268 1000 PPB Working Solution	PP23771	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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>
3820	AR1268 750 PPB STD	PP23772	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23771 = 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>
1533	AR1268 500 PPB STD	PP23773	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23771 = 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>
3821	AR1268 250 PPB STD	PP23774	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23771 = 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>
3822	AR1268 50 PPB STD	PP23775	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23773 = 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>
404	AR1660 100 PPM Stock Solution 2nd Source	PP23776	10/03/2024	04/01/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12947 + 9.00000ml of E3804 = 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>
405	AR1660 1000/100 PPB ICV STD	PP23777	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = 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>
406	AR1660 500 PPB ICV	PP23778	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23777 = 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>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP23779	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = 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>
3790	AR1221 500 PPB ICV(AGILENT)	PP23780	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23779 = 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>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP23781	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = 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>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP23782	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = 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>
1888	AR1232 500 PPB ICV	PP23783	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23781 = 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>
1891	AR1242 500 PPB ICV	PP23784	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23782 = 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>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP23785	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = 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>
1892	AR1248 500 PPB ICV	PP23786	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23785 = 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>
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP23787	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = 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>
1894	AR1254 500 PPB ICV	PP23788	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23787 = 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>
3757	AR1262 1000 PPB Working Solution second source	PP23789	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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>
3758	AR1262 500 PPB STD ICV	PP23790	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23789 = 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>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP23946	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/13/2024

FROM 1.00000ml of P11521 + 98.50000ml of E3825 + 0.50000ml of PP23733 = 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>
3823	AR1268 500 PPB STD ICV	PP23947	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/13/2024

FROM 0.50000ml of E3825 + 0.50000ml of PP23946 = 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>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP24093	12/20/2024	04/03/2025	Ankita Jodhani	None	None	Yogesh Patel
								01/16/2025

FROM 0.50000ml of P12947 + 99.50000ml of E3843 = 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	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani
FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml								

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CHEMICAL RECEIPT LOG BOOK

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

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	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	11/06/2025	11/06/2024 / Rajesh	11/01/2024 / Rajesh	E3825

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

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)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0163157	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Abdul	P10483

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0167722	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Ankita	P10500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	05/07/2025	11/07/2024 / Ankita	02/21/2022 / Ankita	P11521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0175456	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0173309	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11587

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0181782	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	91867 / Aroclor 1232 100 ug/mL	020823	04/03/2025	10/03/2024 / Ankita	08/07/2023 / Ankita	P12698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

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	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

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	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Sand
Purified
Washed and Ignited



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

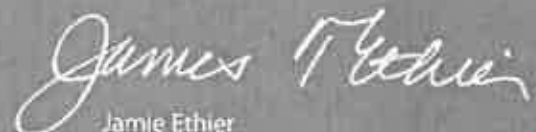
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

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

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

E 2865


Jamie Ethier
Vice President Global Quality

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

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



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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

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

avantor™



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>



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 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H 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

£ 3825

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

Jamie Croak
Director Quality Operations, Bioscience Production

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



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

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
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: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP On 12/13/24

E 3846

Jamie Croak
Director Quality Operations, Bioscience Production

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

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₈ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H 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 1/29/25

E 3872

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
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: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 1/29/25

E 3873

Jamie Croak

Director Quality Operations, Bioscience Production

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

 E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

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

*Based on suggested storage condition.

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

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

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

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



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. : 32039 **Lot No.:** A0163157

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : November 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1016 CAS # 12674-11-2 (Lot 04) Purity ----%	1,007.0 µg/mL	+/- 5.8683 µg/mL Gravimetric +/- 31.9082 µg/mL Unstressed +/- 41.6868 µg/mL Stressed
2	Aroclor 1260 CAS # 11096-82-5 (Lot 07) Purity ----%	1,008.0 µg/mL	+/- 5.8741 µg/mL Gravimetric +/- 31.9399 µg/mL Unstressed +/- 41.7282 µg/mL Stressed

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

P 10476

P 10480

AR
02/19/21

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

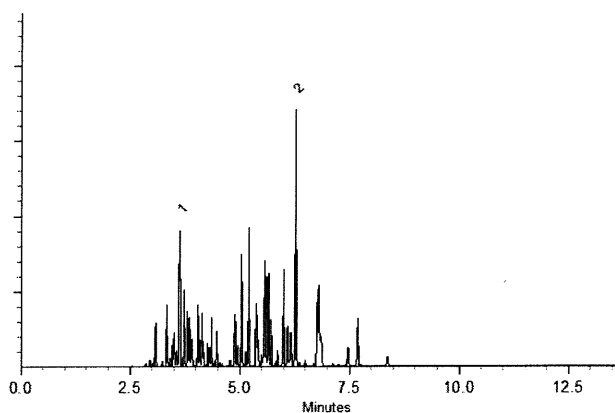
Carrier Gas:
helium-constant pressure 20 psi.

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.


Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020

Balance: B442140311


Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

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. : 32409 **Lot No.:** A0167722

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

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

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1262	1,004.0 µg/mL	+/- 5.9635 µg/mL Gravimetric
	CAS # 37324-23-5 (Lot 10849100)		+/- 31.8340 µg/mL Unstressed
	Purity ----%		+/- 41.5787 µg/mL Stressed

Solvent: Hexane

CAS # 110-54-3

Purity 99%

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P10500

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09/19/21

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

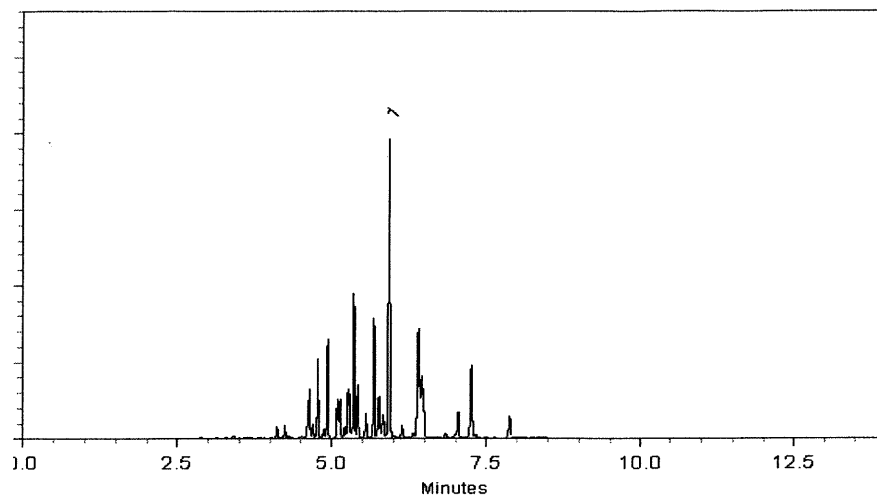
Carrier Gas:
helium-constant pressure 20 psi.

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: 03-Jan-2021

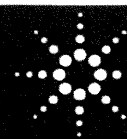
Balance: B707717271

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 05-Jan-2021

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

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
Aroclor 1242	100.4	± 0.5 µg/mL		053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

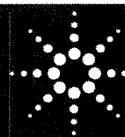
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02/21/22

Page: 1 of 2

CSD-QA-015.1

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

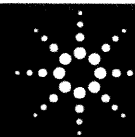
www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1248 Standard

Lot Number: 0006626997

Product Number: PP-342-1

Lot Issue Date: 17-Aug-2021

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 30-Sep-2025

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
Aroclor 1248	100.3	± 0.5 µg/mL		012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Page: 1 of 2

CSD-QA-015.1

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2/21/22

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



Certificate of Analysis

P11518
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P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

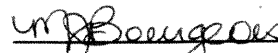
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

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CSD-QA-015.1



ISO 17025 Cert
No. AT-1937

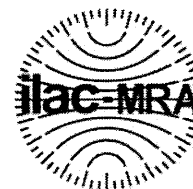


110 Benner Circle
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Tel: (800)356-1688
Fax: (814)353-1309

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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. : 32007 **Lot No.:** A0175456
Description : Aroclor® 1221 Standard
Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : November 30, 2027 **Storage:** 25°C nominal
Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1221	1,002.0 µg/mL	+/- 5.9516 µg/mL Gravimetric
	CAS # 11104-28-2 (Lot 10210500)		+/- 31.7706 µg/mL Unstressed
	Purity ----%		+/- 41.4958 µg/mL Stressed

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

P 11578
↓
P 11582 / (S)

AR
04/30/22

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

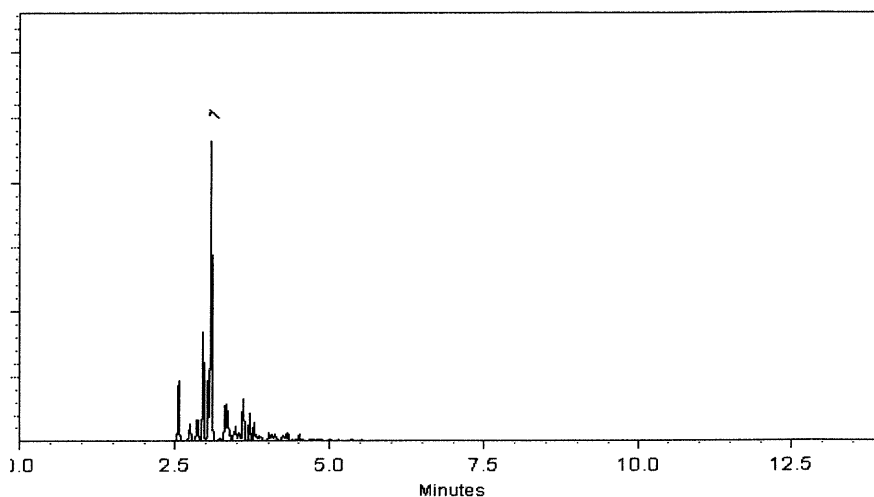
Carrier Gas:
helium-constant pressure 20 psi.

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: 16-Aug-2021 Balance: B442140311

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

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

P11578
↓
P11582 / (S)

AR
04/30/22



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Catalog No. : 32008 **Lot No.:** A0173309

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : September 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1232	1,001.0 µg/mL	+/- 5.9456 µg/mL Gravimetric
	CAS # 11141-16-5 (Lot 15665-01)		+/- 31.7389 µg/mL Unstressed
	Purity ----%		+/- 41.4544 µg/mL Stressed

Solvent: Hexane

CAS # 110-54-3

Purity 99%

P11583
↓
P11587 / (S)

AR
04/30/22

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

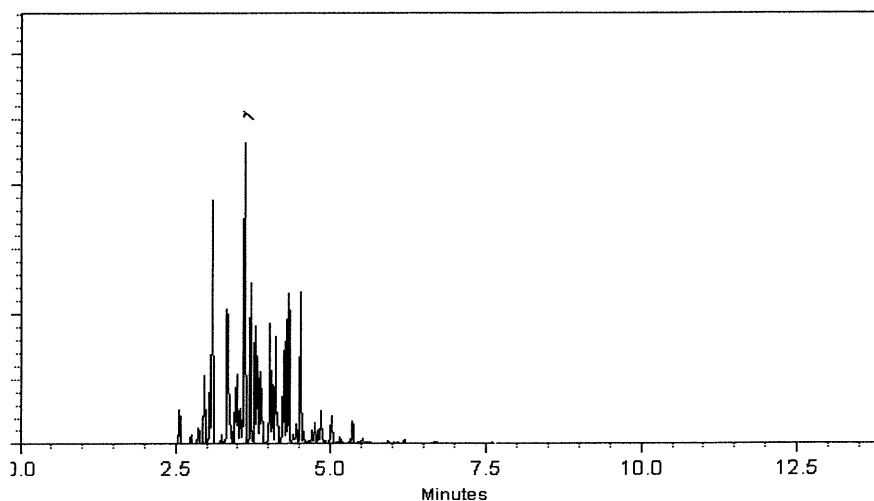
Carrier Gas:
helium-constant pressure 20 psi.

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: 13-Jun-2021 Balance: B442140311

Alexis Shelow
Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

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

P11583
↓
P11587 (5)

AR
04/30/22



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32011 **Lot No.:** A0175403

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : November 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284 µg/mL Unstressed
	Purity ----%		+/- 41.4406 µg/mL Stressed

Solvent: Hexane

CAS # 110-54-3

Purity 99%

P11588
↓
P11592 / (S)

AR
04/30/2022

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:

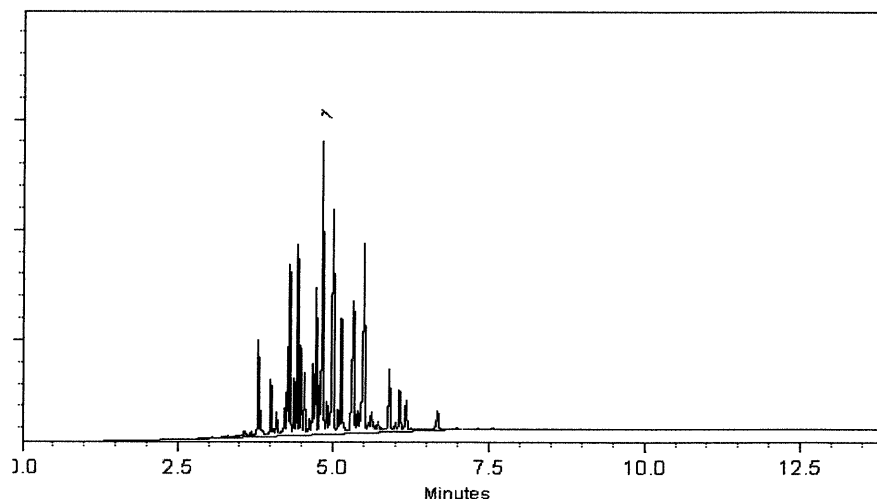
250°C

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.

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

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

P11588
↓
P11592

AR
04/30/22



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

Catalog No. : 32410 Lot No.: A0181782
Description : Aroclor® 1268 Standard
Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : May 31, 2028 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1268 CAS # 11100-14-4 (Lot 10947000) Purity ----%	1,001.4 µg/mL	+/- 5.9480 µg/mL Gravimetric +/- 31.7516 µg/mL Unstressed +/- 41.4710 µg/mL Stressed

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

P 11593
↓
P 11597
LAR
04/30/2022

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

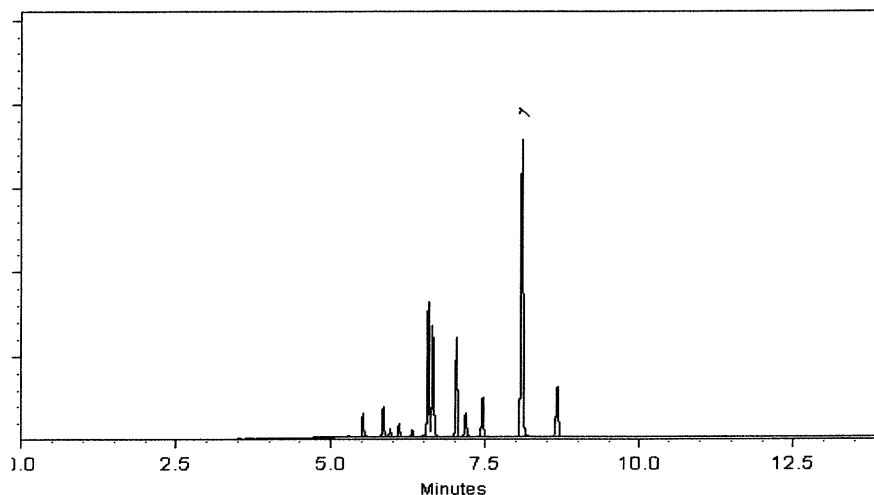
Carrier Gas:
helium-constant pressure 20 psi.

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.

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022

Balance: 1128360905

Clara Windle
Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

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

P 11593 / (5)
↓
P 11597
A
04/30/2022



CERTIFIED WEIGHT REPORT

Part Number: **91867**
 Lot Number: **020823**
 Description: **WP 037 - Aroclor 1232**
PCB Technical Mixture
 Expiration Date: **020833**
 Recommended Storage: **Ambient (20 °C)**
 Nominal Concentration ($\mu\text{g/mL}$): **100**
 NIST Test ID#: **6UTB**

Solvent/
Acet

Weight(s) shown below were combined and diluted to (mL): **100.0**

5E-05 Balance Uncertainty

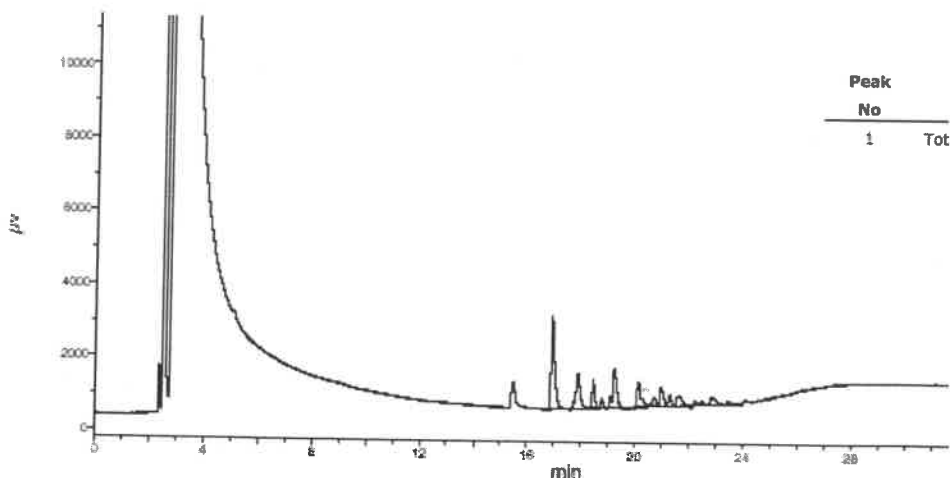
0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc ($\mu\text{g/mL}$)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

- 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 Measurements", Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5 μm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
 Standard injection = 1.5 μL , Range=3





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

Catalog No. : 32009 Lot No.: A0203672
Description : Aroclor® 1242 Standard
Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : January 31, 2030 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

p12928
↓
p12932
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	—%	1,004.7 µg/mL	+/- 55.7515

* 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:

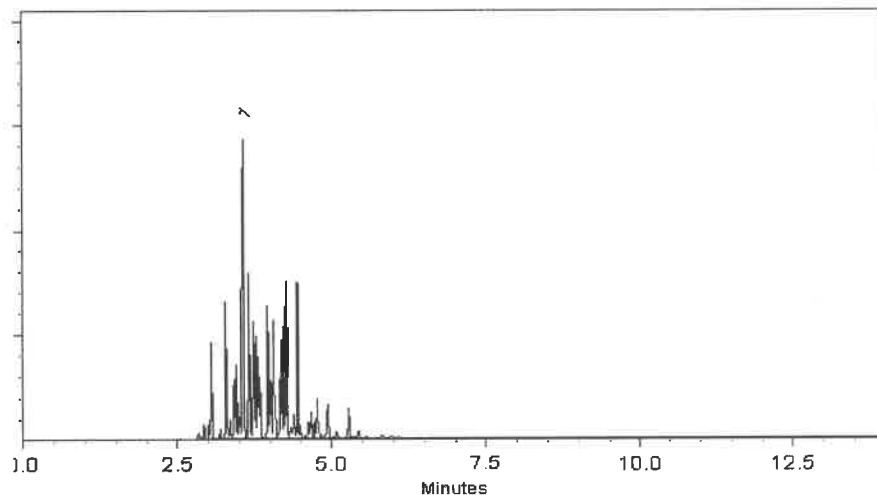
ECD

Split Vent:

10 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.

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

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



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

Catalog No. : 32010 **Lot No.:** A0202803

Description : Aroclor® 1248 Standard
Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

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

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P12993
↓
P12997
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	—%	1,001.7 µg/mL	+/- 55.5850

* 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:

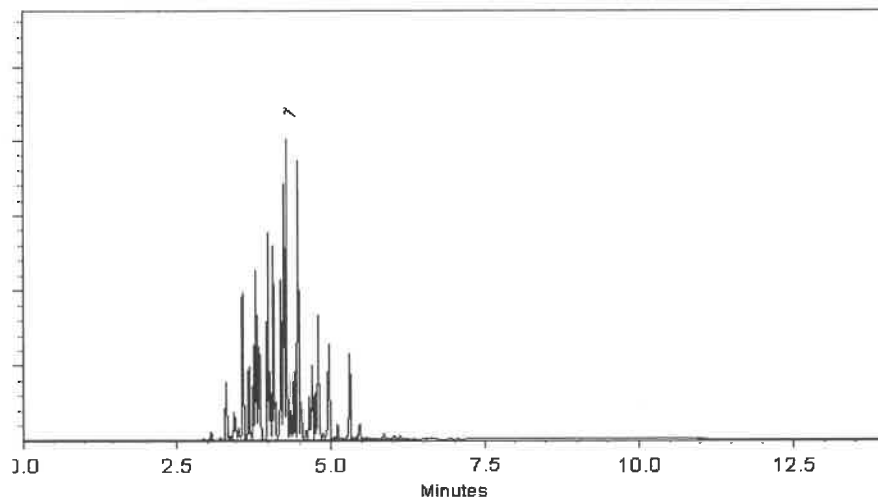
ECD

Split Vent:

10 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.


Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

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



CERTIFIED WEIGHT REPORT

Part Number: 20064
Lot Number: 022023
Description: CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260
Expiration Date: 022033
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s): Hexane
Lot# 273615

		022023
Formulated By:	Benson Chan	DATE
		022023
Reviewed By:	Pedro L. Rentas	DATE

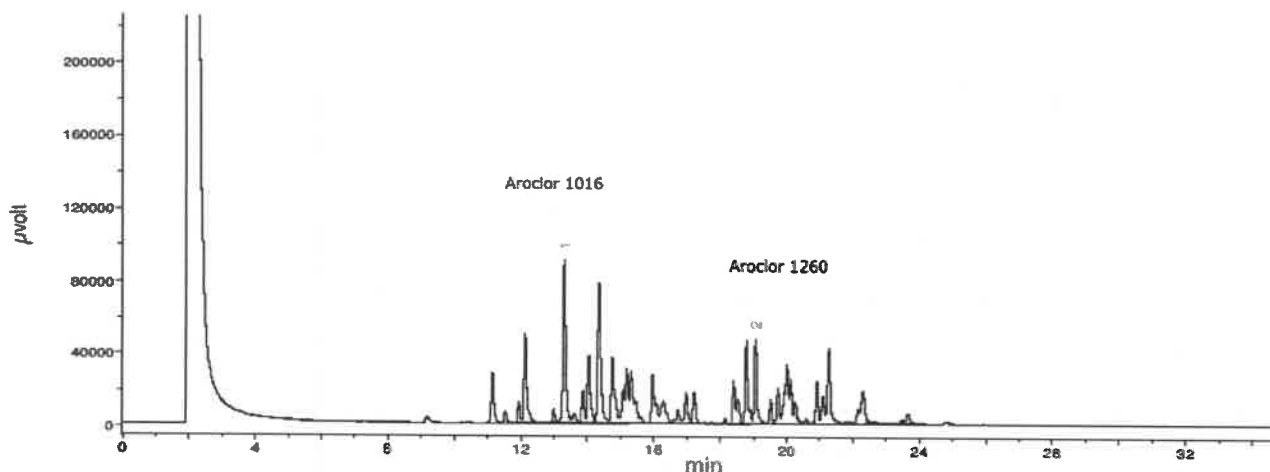
P12946
↓
P12955
748
12/20

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

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	ori-rat 1315mg/kg

- 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).

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **99139**
 Lot Number: **121823**
 Description: **Aroclor 1254**

Solvent(s):
 Iso-octane
 Lot#
 82227

Formulated By: <i>Anthony Mahoney</i>		121823
		DATE
Reviewed By: <i>Pedro L. Rentas</i>		121823
		DATE

Expiration Date: 121833
 Recommended Storage: Ambient (20 °C)
 Nominal Concentration (µg/mL): 100
 NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 20.0 5E-05 Balance Uncertainty

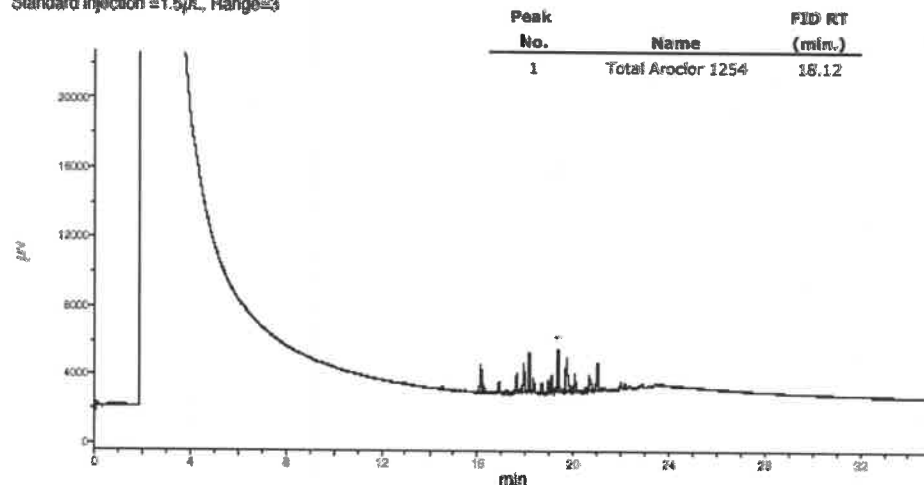
Note: Aroclor 1254 is a mix of isomers.

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

- 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).

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
 Standard injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **90165**
 Lot Number: **112322**
 Description: **Aroclor 1262**

Solvent(s):
 Hexane

Lot#
 273615

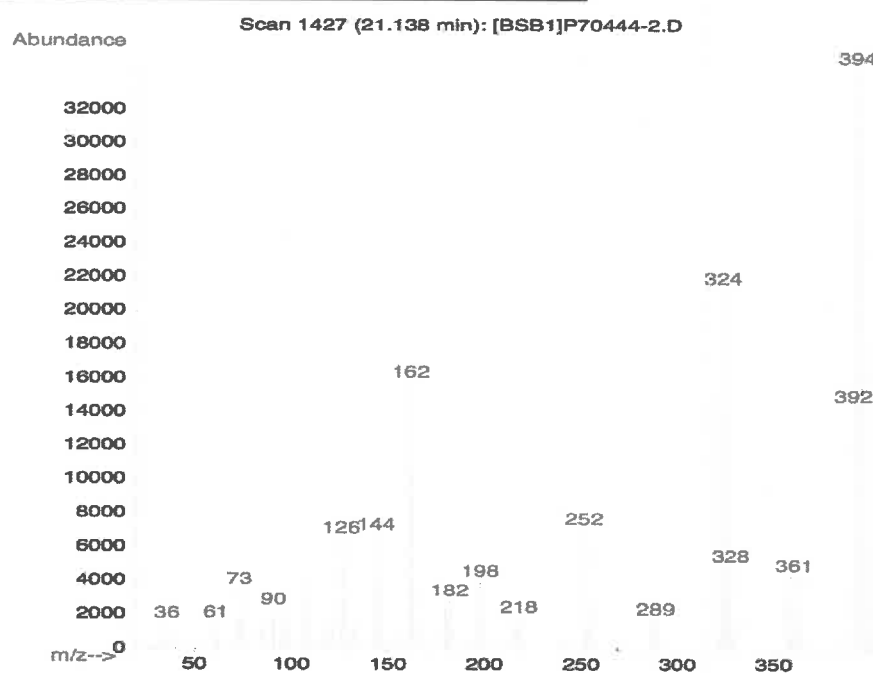
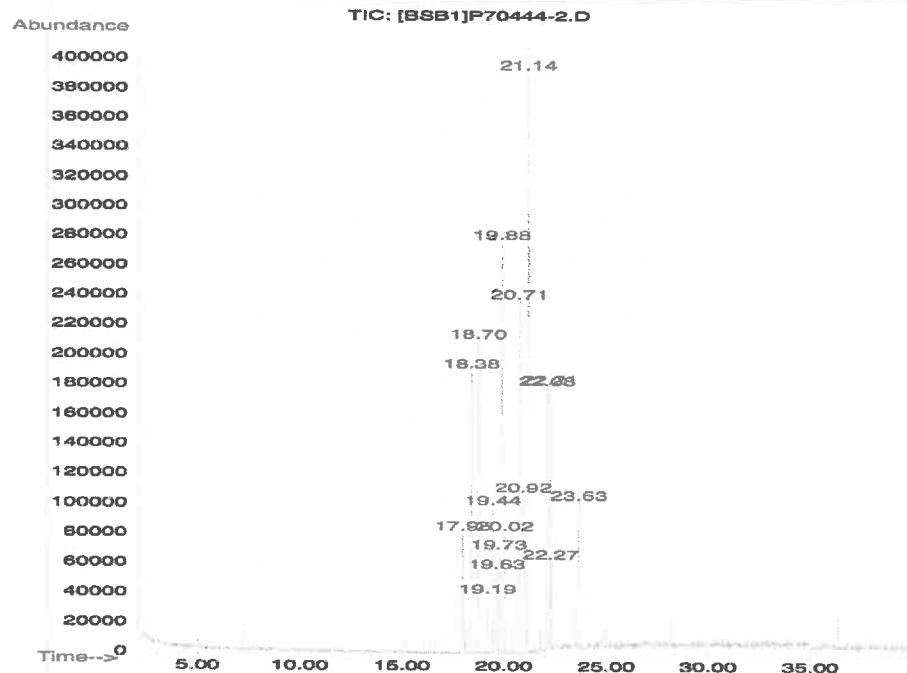
		112322
Formulated By:	Prashant Chauhan	DATE
		112322
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 112332
 Recommended Storage: Ambient (20 °C)
 Nominal Concentration (µg/mL): 1000
 NIST Test ID#: 6UTB
 Weight(s) shown below were combined and diluted to (mL): 50.0

5E-05 Balance Uncertainty
 0.005 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1262	444	W-130-05	1000	100	0.2	0.05003	0.05016	1002.7	4.5	37324-23-5	N/A	orl-rat 11300mg/kg

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.



- 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).

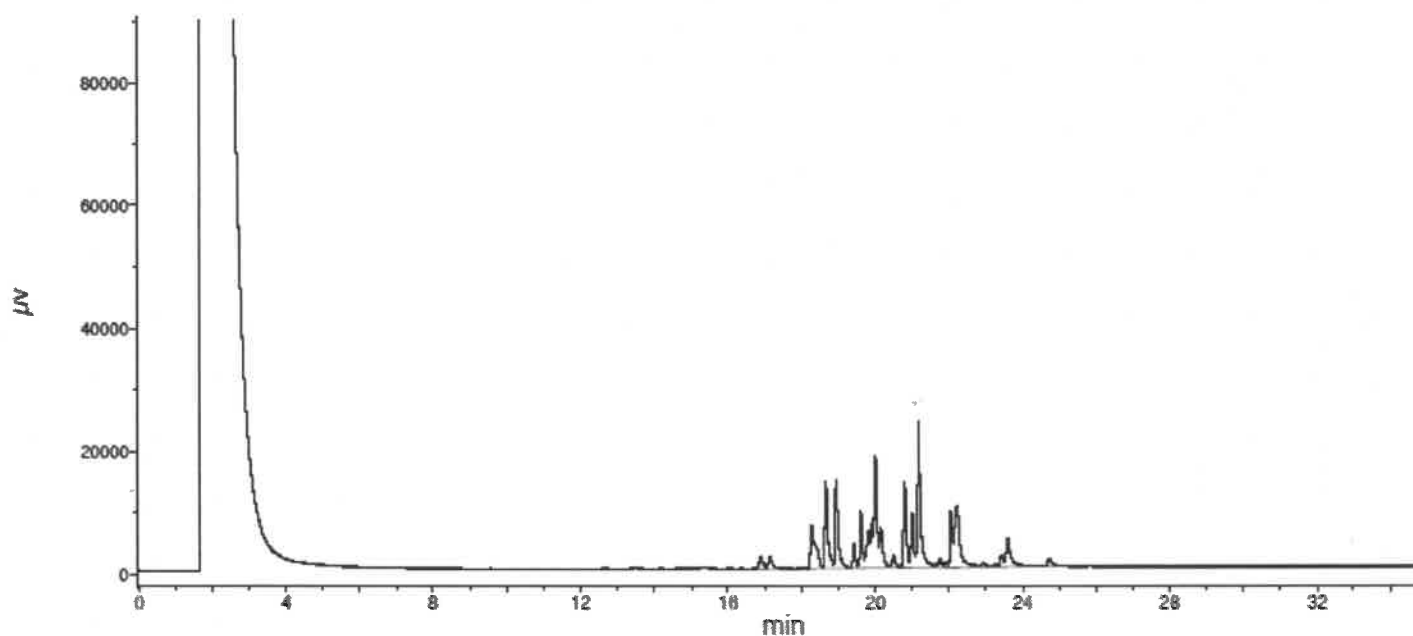


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

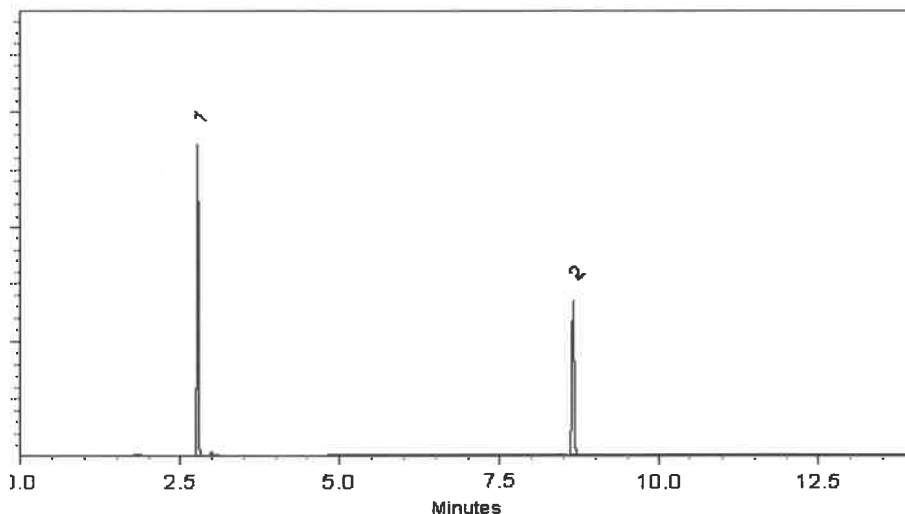
ECD

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
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer J Pollino
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
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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. : 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
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10
DAUF
04/25/2024

CERTIFIED VALUES

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CAS # 67-64-1
Purity 99%

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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:

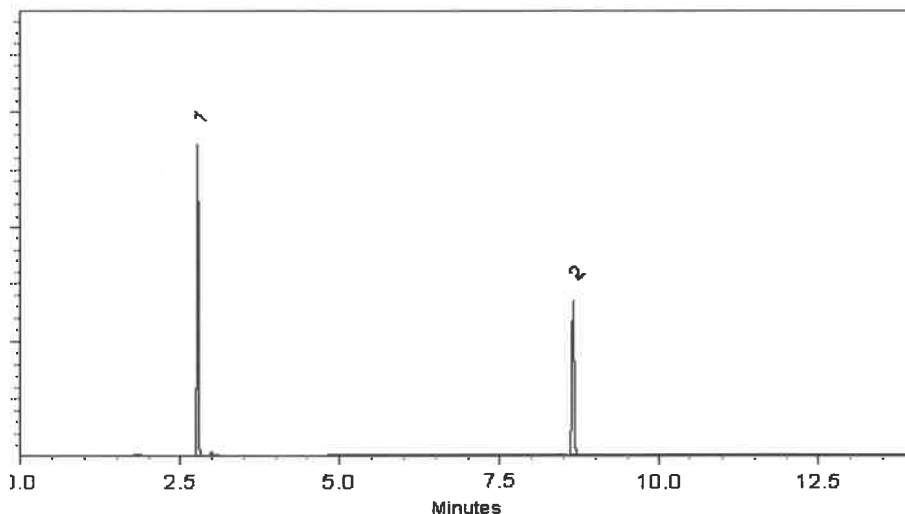
ECD

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
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer J Pollino
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

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P 13357
10

SAUF
04/25/2025

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1221 Standard
Product Number: PP-292-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006783205
Lot Issue Date: 20-Feb-2024
Expiration Date: 31-Mar-2032

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3 ±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NC SL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133F2
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P133F3

AJ
05/06/24

Page: 1 of 2

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:



Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



SHIPPING DOCUMENTS

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Q1421

USEPA

CHAIN OF CUSTODY RECORD

No: 2-022425-130044-0031

DateShipped: 2/24/2025

Site #: 51835

RFP# NA

CarrierName:

Contact Name Josh Frizzell

Lab: Alliance Technical Group, LLC - Non
CLP

AirbillNo:

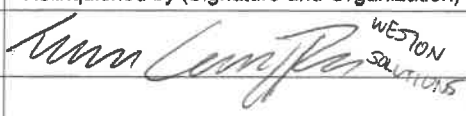
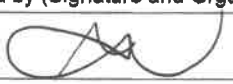
(470) 277-4600

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Clay-CF01-01	HL_Pile	TAL VOCs	Soil	2/24/2025	09:40	9	5 gram Encore	4 C	Y
	P001-Clay-CF01-01	HL_Pile	Percent Moisture	Soil	2/24/2025	09:40	1	4 oz glass w/ septum	4 C	Y
	P001-Clay-CF01-01	HL_Pile	TAL SVOC+Pest+PCB	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	TAL Metals+Hg+CN	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	EPH	Soil	2/24/2025	09:40	2	4 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP VOCs	Soil	2/24/2025	09:40	8	40 mL Amber Vial W/ Septum	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP SVOCs + Pesticides+PCBs	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP Metals + Hg&CN	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y
	P001-Clay-CF01-01	HL_Pile	SPLP EPH	Soil	2/24/2025	09:40	4	8 oz glass	4 C	Y

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	 WESTON SOLUTIONS	2/24/25 1500		2-24-25 1425	4.9-C JLF #1
					Temp BIL present
					custody seals intact

Q1421

USEPA

DateShipped: 2/24/2025

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 51835

Contact Name Josh Frizzell

(470) 277-4600

No: 2-022425-130044-0031

RFP# NA

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Clay-CF01-02	HL_Pile	TAL VOCs	Soil	2/24/2025	09:50	3	5 gram Encore	4 C	N
	P001-Clay-CF01-02	HL_Pile	Percent Moisture	Soil	2/24/2025	09:50	1	4 oz glass w/ septum	4 C	N
	P001-Clay-CF01-02	HL_Pile	TAL SVOC+Pest+PCB	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	TAL Metals+Hg+CN	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	EPH	Soil	2/24/2025	09:50	1	4 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP VOCs	Soil	2/24/2025	09:50	4	40 mL Amber Vial W/ Septum	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP SVOCs + Pesticides+PCBs	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP Metals + Hg&CN	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N
	P001-Clay-CF01-02	HL_Pile	SPLP EPH	Soil	2/24/2025	09:50	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	 WESTON SOLUTIONS	2/24/25 1500		2-24-25 1425	4.9C TAL Metals + Hg Temp dbk. present custody seals intact

Q1421

USEPA

DateShipped: 2/24/2025

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: 51835

Contact Name Josh Frizzell

(470) 277-4600

No: 2-022425-130044-0031

RFP# NA

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Clay-CF02-01	HL_Pile	TAL VOCs	Soil	2/24/2025	10:00	3	5 gram Encore	4 C	N
	P001-Clay-CF02-01	HL_Pile	Percent Moisture	Soil	2/24/2025	10:00	1	4 oz glass w/ septum	4 C	N
	P001-Clay-CF02-01	HL_Pile	TAL SVOC+Pest+PCB	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	TAL Metals+Hg+CN	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	EPH	Soil	2/24/2025	10:00	1	4 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP VOCs	Soil	2/24/2025	10:00	4	40 mL Amber Vial W/ Septum	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP SVOCs + Pesticides+PCBs	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP Metals + Hg&CN	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N
	P001-Clay-CF02-01	HL_Pile	SPLP EPH	Soil	2/24/2025	10:00	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT 7 days.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All SAMPLES ALL ANALYSES	 WESTON SOLUTIONS	2/24/25 1500		2-24-25 1425	4.9°C IR #1
					Temp. OK: present
					custody seals intact

From: Sumbaly, Smita <S.Sumbaly@WestonSolutions.com>
Sent: Tuesday, February 25, 2025 9:30 AM
To: Jordan@chemtech.net
Cc: yazmeen.gomez@alliancetg.com
Subject: RE: Site # 51835
Attachments: RFP#905-corrected COC.pdf

Jordan – Attached please find corrected COC with RFP# 905 and use the SW 846 Methods. Contact me with any questions.

Thanks,
Smita

From: Jordan Hedvat <Jordan@chemtech.net>
Sent: Monday, February 24, 2025 5:32 PM
To: Sumbaly, Smita <S.Sumbaly@WestonSolutions.com>
Cc: yazmeen.gomez@alliancetg.com
Subject: RE: Site # 51835

*** External Message *** -- PROBE message before clicking links or opening attachments.

Thanks, the COC did not mention specific Methods so we are running by standard SW-846. If CLP Methods required for these samples received today please let us know. COC is attached (# Q1421)

Regards,
Jordan



Jordan Hedvat
Account Executive, Environmental Laboratories
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Sumbaly, Smita [<mailto:S.Sumbaly@WestonSolutions.com>]
Sent: Monday, February 24, 2025 5:28 PM
To: Jordan@chemtech.net
Subject: Re: Site # 51835

Rfp#905

Sent from my iPhone

On Feb 24, 2025, at 4:36 PM, Jordan Hedvat <Jordan@chemtech.net> wrote:

*** External Message *** -- PROBE message before clicking links or opening attachments.

Good afternoon Smita,

We received project with COC titled "Site # 51835." Please confirm for which RFP # project this falls under so we may include the correct pricing provided at the time of bid? Thank you

Regards,
Jordan

<image001.png>

Jordan Hedvat

Account Executive, Environmental Laboratories

Main: 908-789-8900

Direct: 908-728-3144

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

www.alliancetg.com

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

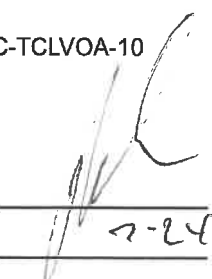
LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1421	ROYF02	Order Date : 2/24/2025 2:56:42 PM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : ~~51835~~ RFP 905	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 2/24/2025 2:25:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Smita Sumbaly			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1421-01	P001-CLAY-CF01-01	Solid	02/24/2025	09:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1421-02	Q1421-01MS	Solid	02/24/2025	09:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1421-03	Q1421-01MSD	Solid	02/24/2025	09:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1421-07	P001-CLAY-CF01-02	Solid	02/24/2025	09:50	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1421-09	P001-CLAY-CF02-01	Solid	02/24/2025	10:00	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : 

Date / Time : 2-24-25 15:40

Received By : 

Date / Time : 2-24-25 15:40

Storage Area : VOA Refridgerator Room