

Cover Page

Order ID : P3475

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

P3475-01
P3475-02
P3475-03
P3475-04
P3475-05
P3475-06
P3475-07

Client Sample Number

S-866-N-SO-0-0.5-080524
S-866-N-SO-1.0-1.5-080524
P3475-02MS
P3475-02MSD
S-858-K1-SO-1.0-1.5-080524
P3475-05MS
P3475-05MSD

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: 6/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger Site Princeton NJ

Project # N/A

Chemtech Project # P3475

Test Name: PCB

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 08/05/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Metals Group5, PCB and SVOCMS Group5. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_O. 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:

This data Package has been revised due to Client Id changed as per client request.

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

F. Manual Integration Comments:

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



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Phone: 908 789 8900 Fax: 908 789 8922

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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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P3475

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:			✓
9. Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

This data Package has been revised due to Client Id changed as per client request

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3475

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PATEL VAISHALI

Date: 06/03/2025

LAB CHRONICLE

OrderID:	P3475	OrderDate:	8/6/2024 10:01:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3475-02	S-866-N-SO-1.0-1.5-0 80524	SOIL			08/05/24			08/05/24
			PCB	8082A		08/06/24	08/06/24	



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Hit Summary Sheet
SW-846

SDG No.: P3475

Order ID: P3475

Client: JACOBS Engineering Group, Inc.

Project ID: Former Schlumberger Site Princeton 1

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

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: **P3475**

Client: **JACOBS Engineering Group, Inc.**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO105003.D	PIBLK-PO105003.D	Tetrachloro-m-xylene	1	20	12.5	63	*	70 (60)	130 (140)
		Decachlorobiphenyl	1	20	12.9	64	*	70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	12.7	63	*	70 (60)	130 (140)
		Decachlorobiphenyl	2	20	13.3	67	*	70 (60)	130 (140)
I.BLK-PO105227.D	PIBLK-PO105227.D	Tetrachloro-m-xylene	1	20	22.1	111		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.2	106		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.4	112		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.1	111		70 (60)	130 (140)
PB162521BL	PB162521BL	Tetrachloro-m-xylene	1	20	26.9	134		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	24.4	122		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	26.0	130		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	24.5	123		30 (32)	150 (175)
PB162521BS	PB162521BS	Tetrachloro-m-xylene	1	20	27.3	136		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	24.6	123		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	25.2	126		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	24.3	122		30 (32)	150 (175)
P3475-02	S-866-N-SO-1.0-1.5-080524	Tetrachloro-m-xylene	1	20	22.0	110		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	11.2	56		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.7	108		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	12.4	62		30 (32)	150 (175)
P3475-03MS	S-866-N-SO-1.0-1.5-080524MS	Tetrachloro-m-xylene	1	20	21.7	109		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.1	76		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.6	103		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	15.8	79		30 (32)	150 (175)
P3475-04MSD	S-866-N-SO-1.0-1.5-080524MSD	Tetrachloro-m-xylene	1	20	21.7	109		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.3	77		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.6	103		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	15.8	79		30 (32)	150 (175)
I.BLK-PO105242.D	PIBLK-PO105242.D	Tetrachloro-m-xylene	1	20	22.9	115		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.8	109		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.7	113		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.8	114		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>P3475</u>	Analytical Method:	<u>8082A</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	DataFile :	<u>PO105236.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: S-866-N-SO-1.0-1.5-080524MS												
P3475-03MS (Column 1)	AR1016	194.3	0	203	ug/kg	104				40 (55)	140 (146)	
	AR1260	194.3	0	186	ug/kg	96				40 (31)	140 (146)	
Client Sample ID: S-866-N-SO-1.0-1.5-080524MS												
P3475-03MS (Column 2)	AR1016	194.3	0	201	ug/kg	103				40 (55)	140 (146)	
	AR1260	194.3	0	184	ug/kg	95				40 (31)	140 (146)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>P3475</u>	Analytical Method:	<u>8082A</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	DataFile :	<u>PO105237.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: S-866-N-SO-1.0-1.5-080524MSD												
P3475-04MSD (Column 1)	AR1016	194	0	201	ug/kg	104		0		40 (55)	140 (146)	30 (20)
	AR1260	194	0	185	ug/kg	95		1		40 (31)	140 (146)	30 (20)
Client Sample ID: S-866-N-SO-1.0-1.5-080524MSD												
P3475-04MSD (Column 2)	AR1016	194	0	200	ug/kg	103		0		40 (55)	140 (146)	30 (20)
	AR1260	194	0	184	ug/kg	95		0		40 (31)	140 (146)	30 (20)



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3475 **Analytical Method:** 8082A
Client: JACOBS Engineering Group, Inc. **Datafile :** PO105229.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162521BS (Column 1)	AR1016	166.6	193	ug/kg	116				40 (71)	140 (120)	
	AR1260	166.6	169	ug/kg	101				40 (65)	140 (130)	
PB162521BS (Column 2)	AR1016	166.6	184	ug/kg	110				40 (71)	140 (120)	
	AR1260	166.6	169	ug/kg	101				40 (65)	140 (130)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162521BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: P3475

SAS No.: P3475 SDG NO.: P3475

Lab Sample ID: PB162521BL

Lab File ID: PO105228.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 08/06/2024

Date Analyzed (1): 08/06/2024

Date Analyzed (2): 08/06/2024

Time Analyzed (1): 15:14

Time Analyzed (2): 15:14

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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
PB162521BS	PB162521BS	PO105229.D	08/06/2024	08/06/2024
S-866-N-SO-1.0-1.5-080524	P3475-02	PO105235.D	08/06/2024	08/06/2024
S-866-N-SO-1.0-1.5-080524MS	P3475-03MS	PO105236.D	08/06/2024	08/06/2024
S-866-N-SO-1.0-1.5-080524MSD	P3475-04MSD	PO105237.D	08/06/2024	08/06/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-SO-1.0-1.5-080524	SDG No.:	P3475
Lab Sample ID:	P3475-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.7
Sample Wt/Vol:	30.06	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
PO105235.D	1	08/06/24 08:40	08/06/24 17:16	PB162521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		30 (32) - 150 (144)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.4		30 (32) - 150 (175)	62%	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_O\Data\P0080624\
 Data File : P0105235.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2024 17:16
 Operator : YP/AJ
 Sample : P3475-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/07/2024
 Supervised By :Ankita Jodhani 08/07/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 01:58:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.431	3.539	151.4E6	55274468	21.999	21.693
2) SA Decachlor...	10.223	8.431	57398112	19711816	11.180	12.409

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
Data File : PO105235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2024 17:16
Operator : YP/AJ
Sample : P3475-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

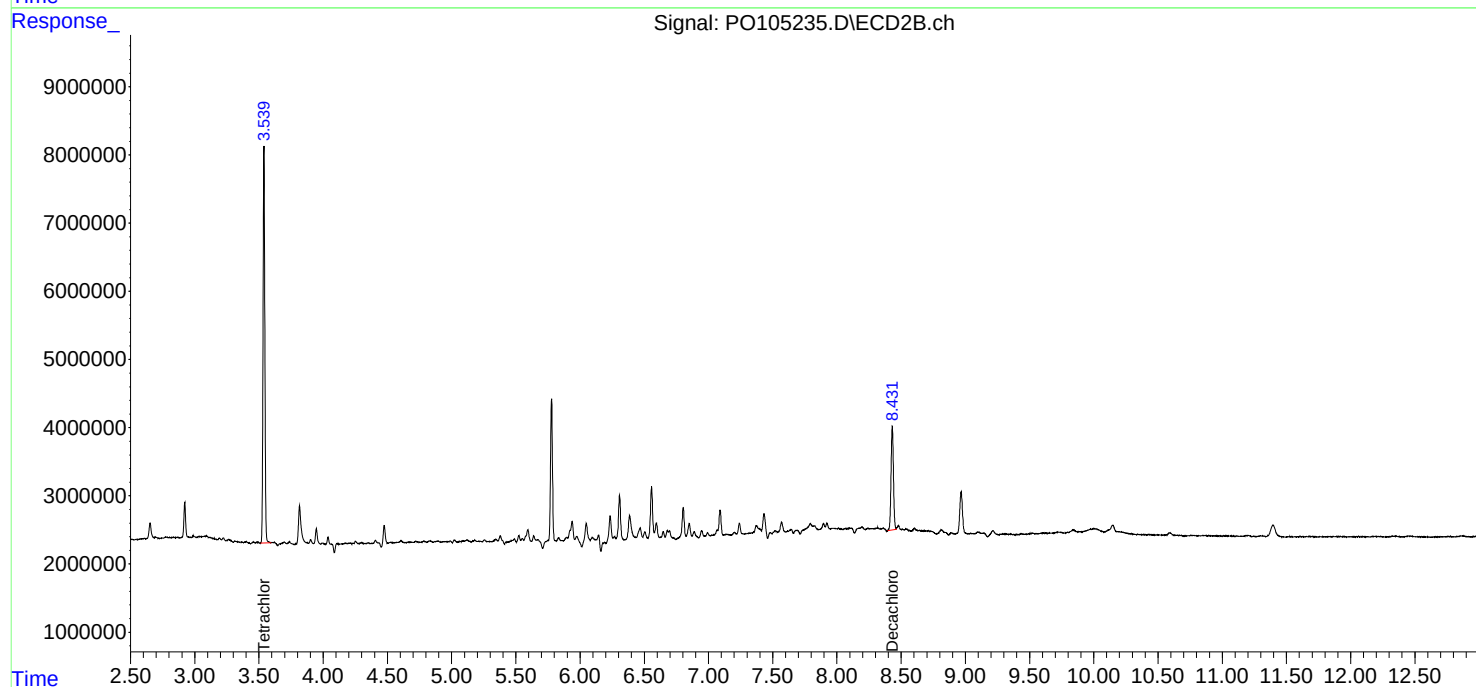
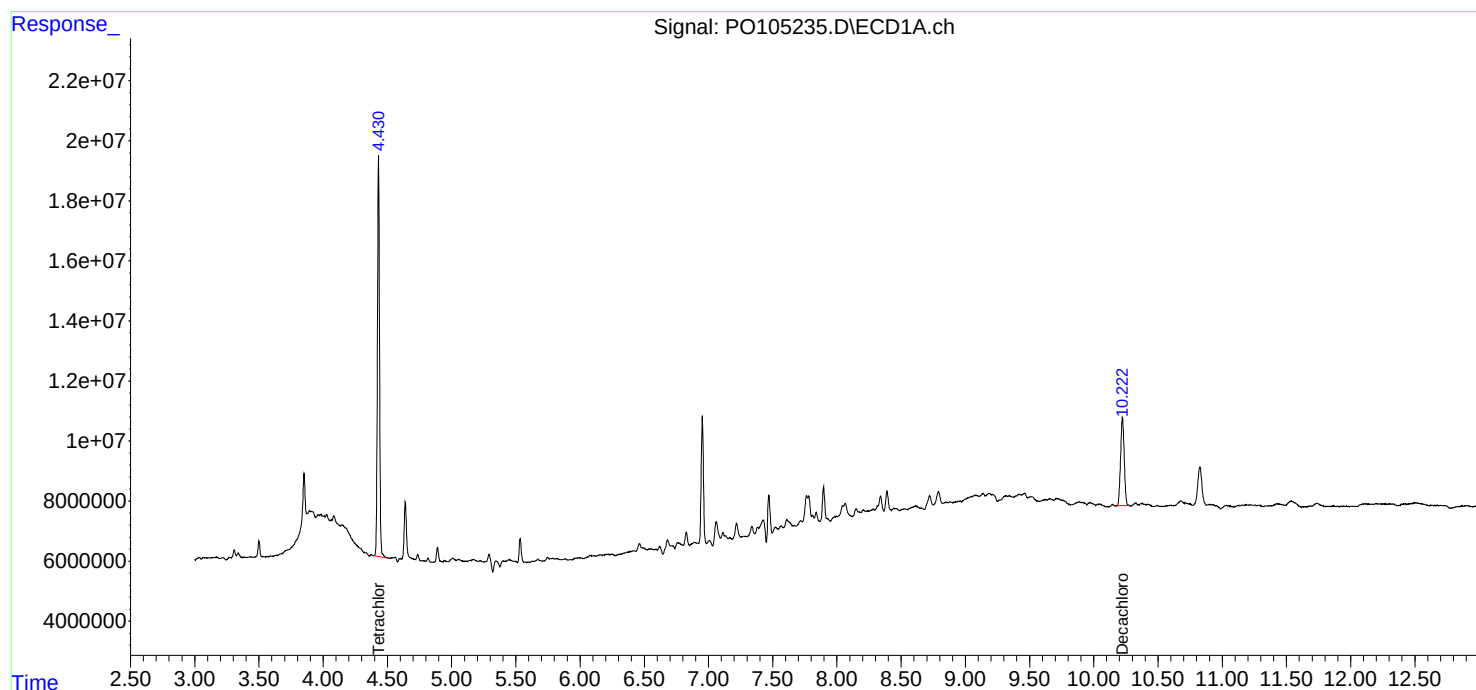
Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

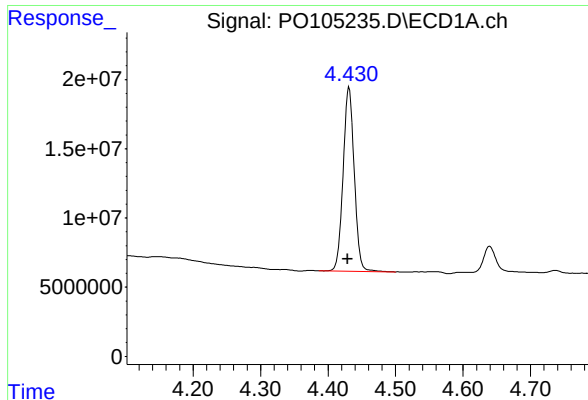
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :Ankita Jodhani 08/07/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 01:58:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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.: 4.431 min
Delta R.T.: 0.002 min
Response: 151444808
Conc: 22.00 ng/ml

Instrument :

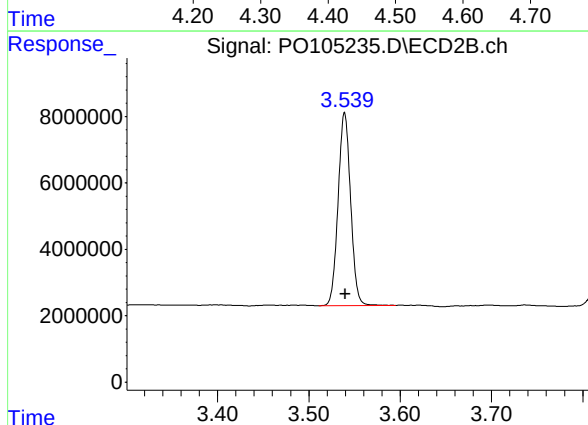
ECD_O

ClientSampleId :

S-866-N-SO-1.0-1.5-080524

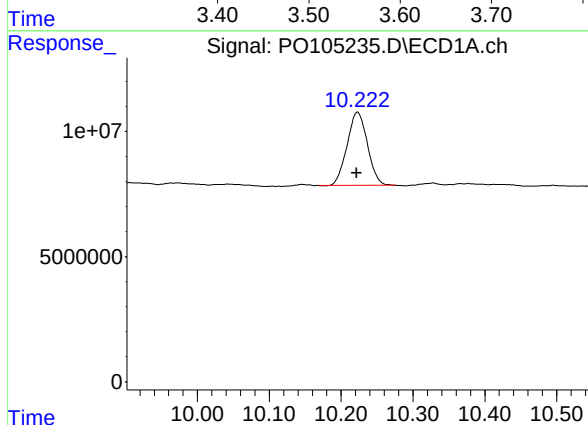
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/07/2024
Supervised By :Ankita Jodhani 08/07/2024



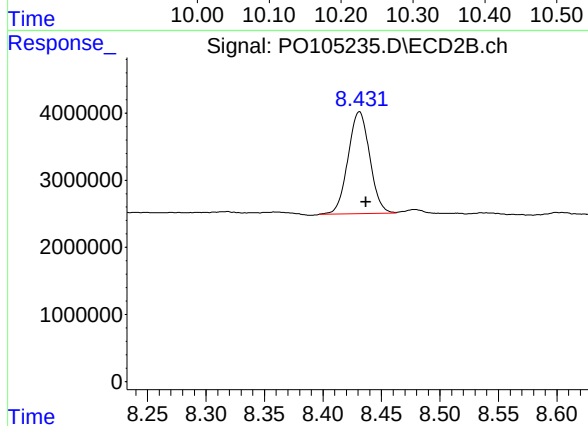
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 55274468
Conc: 21.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.223 min
Delta R.T.: 0.002 min
Response: 57398112
Conc: 11.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.431 min
Delta R.T.: -0.006 min
Response: 19711816
Conc: 12.41 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>JACO05</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P3475</u>	SAS No.:	<u>P3475</u>	SDG NO.:	<u>P3475</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>07/29/2024</u>	<u>07/30/2024</u>		
		Calibration Times:		<u>18:07</u>	<u>01:54</u>		

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

LAB FILE ID: RT 1000 = PO105004.D RT 750 = PO105005.D
RT 500 = PO105006.D RT 250 = PO105007.D RT 050 = PO105008.D

[illegible]

[illegible]

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

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: JACO05
Lab Code: CHEM **Case No.:** P3475 **SAS No.:** P3475 **SDG NO.:** P3475
Instrument ID: ECD_O
Calibration Date(s): 07/29/2024 07/30/2024
Calibration Times: 18:07 01:54
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO105004.D</u>		CF 750 = <u>PO105005.D</u>			
CF 500 = <u>PO105006.D</u>		CF 250 = <u>PO105007.D</u>		CF 050 = <u>PO105008.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	235368047	238943456	245733678	253349140	216435100	237965884
Aroclor-1016-2	(2)	333766640	338128313	348418644	354037540	306588400	336187907
Aroclor-1016-3	(3)	198852069	202182119	210376036	219199524	203713280	206864606
Aroclor-1016-4	(4)	169683511	173298775	182612458	194402632	187770440	181553563
Aroclor-1016-5	(5)	159852986	163376695	171027112	173913224	145593900	162752783
Aroclor-1260-1	(1)	297280451	303377109	318404672	329529200	339006960	317519678
Aroclor-1260-2	(2)	350129033	357560189	371076968	393254660	346316940	363667558
Aroclor-1260-3	(3)	238099924	246906348	260223328	281688424	255116680	256406941
Aroclor-1260-4	(4)	275464276	280209471	294273448	307069684	268378100	285078996
Aroclor-1260-5	(5)	545183448	553980047	572881632	603565336	519160020	558954097
Decachlorobiphenyl		5094104040	5119485440	5288980580	5469678720	4697522000	5133954156
Tetrachloro-m-xylene		7033368910	7062989227	7151382160	7219341880	5954502600	6884316955
Aroclor-1242-1	(1)	189290802	195813040	204573932	210762268	175654100	195218828
Aroclor-1242-2	(2)	268484134	278738896	287331318	290903516	243115440	273714661
Aroclor-1242-3	(3)	161905848	168622205	174619922	180432124	158237620	168763544
Aroclor-1242-4	(4)	137591041	144305384	152209484	162144488	156871500	150624379
Aroclor-1242-5	(5)	148669458	158459857	169991534	184358652	172799600	166855820
Decachlorobiphenyl		5211146090	5409669827	5550776440	5629249640	4714161000	5303000599
Tetrachloro-m-xylene		7238443110	7425150827	7641707280	7620110760	6333085800	7251699555
Aroclor-1248-1	(1)	148275988	152449524	162591556	166339768	145485840	155028535
Aroclor-1248-2	(2)	208142903	215007565	224793118	236869516	218143000	220591220
Aroclor-1248-3	(3)	232892362	240169223	250415378	260190960	243940820	245521749
Aroclor-1248-4	(4)	275350481	283581927	297568048	321842040	334177600	302504019
Aroclor-1248-5	(5)	264375988	274824120	290932478	306183868	284767440	284216779
Decachlorobiphenyl		5424815870	5574896013	5755452640	5912212360	4815804400	5496636257
Tetrachloro-m-xylene		7512431960	7691940227	7901188400	7974255840	6632348600	7542433005
Aroclor-1254-1	(1)	267232571	275046597	289985552	313922348	300959760	289429366
Aroclor-1254-2	(2)	394170856	404188661	419751120	433007908	425130120	415249733
Aroclor-1254-3	(3)	410730993	419710039	430713916	434383664	391889360	417485594
Aroclor-1254-4	(4)	307664404	316113388	325203902	329075836	284643720	312540250
Aroclor-1254-5	(5)	343202562	352256547	365996980	381461016	386473980	365878217
Decachlorobiphenyl		5400497110	5526948707	5696117480	5784819440	5197775200	5521231587
Tetrachloro-m-xylene		7561950610	7637308880	7816833420	7792092400	6951093800	7551855822
Aroclor-1268-1	(1)	767342174	791009808	800158602	826252124	757671420	788486826



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	681024279	703140944	707651970	725198944	649414580	693286143	4
Aroclor-1268-3	(3)	584369080	600154944	606492558	615142796	578260240	596883924	2
Aroclor-1268-4	(4)	255878270	262704351	264415344	262600584	215928180	252305346	8
Aroclor-1268-5	(5)	1961440435	1997395505	2009862724	2032226312	1801224220	1960429839	4
Decachlorobiphenyl		9228327520	9481590227	9658590680	9971363600	8535244800	9375023365	6
Tetrachloro-m-xylene		7491216390	7606497333	7796688100	7817814600	6721474600	7486738205	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: JACO05
Lab Code: CHEM **Case No.:** P3475 **SAS No.:** P3475 **SDG NO.:** P3475
Instrument ID: ECD_O
Calibration Date(s): 07/29/2024 07/30/2024
Calibration Times: 18:07 01:54
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO105004.D</u>		CF 750 = <u>PO105005.D</u>			
CF 500 = <u>PO105006.D</u>		CF 250 = <u>PO105007.D</u>		CF 050 = <u>PO105008.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	89903839	90924165	94987714	98886276	90169600	92974319 4
Aroclor-1016-2	(2)	126852448	128194531	132821304	135529416	120096600	128698860 4
Aroclor-1016-3	(3)	66470083	67227641	70564576	71674076	62635940	67714463 5
Aroclor-1016-4	(4)	51527137	52734713	55905826	57931988	50797080	53779349 5
Aroclor-1016-5	(5)	67733710	69432487	72978524	76671168	68011340	70965446 5
Aroclor-1260-1	(1)	128867770	132188693	138860668	145468076	135600860	136197213 4
Aroclor-1260-2	(2)	155593164	159911452	168034024	175514100	182253520	168261252 6
Aroclor-1260-3	(3)	148551622	152659376	161085704	175054508	205929720	168656186 13
Aroclor-1260-4	(4)	105312629	107543445	112259038	117389512	105048660	109510657 5
Aroclor-1260-5	(5)	248058587	251862345	261608190	269835040	246721000	255617032 4
Decachlorobiphenyl		1523985060	1561403147	1622159640	1683075440	1552009200	1588526497 4
Tetrachloro-m-xylene		2602796750	2584609307	2645186600	2639061360	2268777600	2548086323 6
Aroclor-1242-1	(1)	73393349	75797196	80166666	82197512	71239300	76558805 6
Aroclor-1242-2	(2)	102545942	106099475	109294000	110710672	95945500	104919118 5
Aroclor-1242-3	(3)	54177061	56221763	58699896	59486452	48920160	55501066 7
Aroclor-1242-4	(4)	53832379	56305623	59137312	60924840	49604040	55960839 8
Aroclor-1242-5	(5)	69234122	72278852	74893260	76084016	62097600	70917570 7
Decachlorobiphenyl		1578745080	1665879493	1722304560	1772883920	1621633600	1672289331 5
Tetrachloro-m-xylene		2685762400	2742138773	2810849480	2806510680	2383518600	2685755987 7
Aroclor-1248-1	(1)	58529127	60302409	63403320	66153152	58026060	61282814 5
Aroclor-1248-2	(2)	78677856	81707875	85814738	90502196	78904880	83121509 6
Aroclor-1248-3	(3)	82837389	86258831	90569262	94968952	81100300	87146947 6
Aroclor-1248-4	(4)	98041333	101519880	105994850	110174456	100268560	103199816 4
Aroclor-1248-5	(5)	99500445	102253940	105885804	109668836	96768160	102815437 5
Decachlorobiphenyl		1682976480	1736997840	1799747880	1878775800	1803962400	1780492080 4
Tetrachloro-m-xylene		2835711730	2894135840	2966406380	2966462120	2513113600	2835165934 7
Aroclor-1254-1	(1)	143630187	147394841	153083366	158074360	148065560	150049663 4
Aroclor-1254-2	(2)	127051099	131233988	136449018	142108712	132438660	133856295 4
Aroclor-1254-3	(3)	204922179	209224777	216697090	222105472	209405460	212470996 3
Aroclor-1254-4	(4)	128375189	131761233	135896666	140182968	127847500	132812711 4
Aroclor-1254-5	(5)	180345921	184586553	190851104	196511028	175818620	185622645 4
Decachlorobiphenyl		1684735800	1730712827	1795988520	1874598480	1826430200	1782493165 4
Tetrachloro-m-xylene		2853297380	2862698227	2920744340	2895580440	2599316800	2826327437 5
Aroclor-1268-1	(1)	329798096	342075995	347283530	361116104	378829260	351820597 5



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	295067935	307009680	311270882	320234640	317056940	310128015	3
Aroclor-1268-3	(3)	239426651	247807441	252880892	260158136	255514600	251157544	3
Aroclor-1268-4	(4)	99232167	103900483	106276926	110225692	100896260	104106306	4
Aroclor-1268-5	(5)	658755969	685125965	688033238	692979696	624902000	669959374	4
Decachlorobiphenyl		2859518230	3017877653	3080213440	3184099920	3007348000	3029811449	4
Tetrachloro-m-xylene		2822439830	2834929640	2900494440	2879665000	2508703400	2789246462	6



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Instrument ID: ECD_O Date(s) Analyzed: 07/29/2024 07/30/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.64	4.54	4.74	91764800
		2	4.72	4.62	4.82	71675400
		3	4.80	4.70	4.90	201322000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.80	4.70	4.90	164199000
		2	5.33	5.23	5.43	82702400
		3	5.62	5.52	5.72	157136000
		4	5.78	5.68	5.88	86210800
		5	5.87	5.77	5.97	57270600
Aroclor-1262	500	1	7.76	7.66	7.86	291088000
		2	8.39	8.29	8.49	734506000
		3	8.70	8.60	8.80	475558000
		4	8.79	8.69	8.89	346072000
		5	9.46	9.36	9.56	247364000



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Instrument ID: ECD_O Date(s) Analyzed: 07/29/2024 07/30/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.75	3.65	3.85	32644800
		2	3.83	3.73	3.93	25190200
		3	3.91	3.81	4.01	75266000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.91	3.81	4.01	61705200
		2	4.61	4.51	4.71	60871000
		3	4.79	4.69	4.89	31826600
		4	4.87	4.77	4.97	28718400
		5	5.04	4.94	5.14	31134400
Aroclor-1262	500	1	6.56	6.46	6.66	101104000
		2	6.85	6.75	6.95	165282000
		3	7.37	7.27	7.47	125699000
		4	7.44	7.34	7.54	229476000
		5	7.93	7.83	8.03	98274000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 18:07
 Operator : YP/AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 04:35:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 04:35:29 2024
 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...	4.429	3.540	703.3E6	260.3E6	99.168	99.192
2) SA Decachlor...	10.221	8.436	509.4E6	152.4E6	98.123	96.880
Target Compounds						
3) L1 AR-1016-1	5.600	4.596	235.4E6	89903839	978.454	972.503
4) L1 AR-1016-2	5.623	4.614	333.8E6	126.9E6	978.522	977.014
5) L1 AR-1016-3	5.686	4.786	198.9E6	66470083	971.840	970.121
6) L1 AR-1016-4	5.785	4.828	169.7E6	51527137	963.301	959.243
7) L1 AR-1016-5	6.081	5.037	159.9E6	67733710	966.229	962.727
31) L7 AR-1260-1	7.216	6.053	297.3E6	128.9E6	965.690	962.675
32) L7 AR-1260-2	7.474	6.238	350.1E6	155.6E6	970.954	961.558
33) L7 AR-1260-3	7.837	6.389	238.1E6	148.6E6	955.604	959.520
34) L7 AR-1260-4	8.065	6.855	275.5E6	105.3E6	966.986	968.073
35) L7 AR-1260-5	8.387	7.095	545.2E6	248.1E6	975.227	973.415

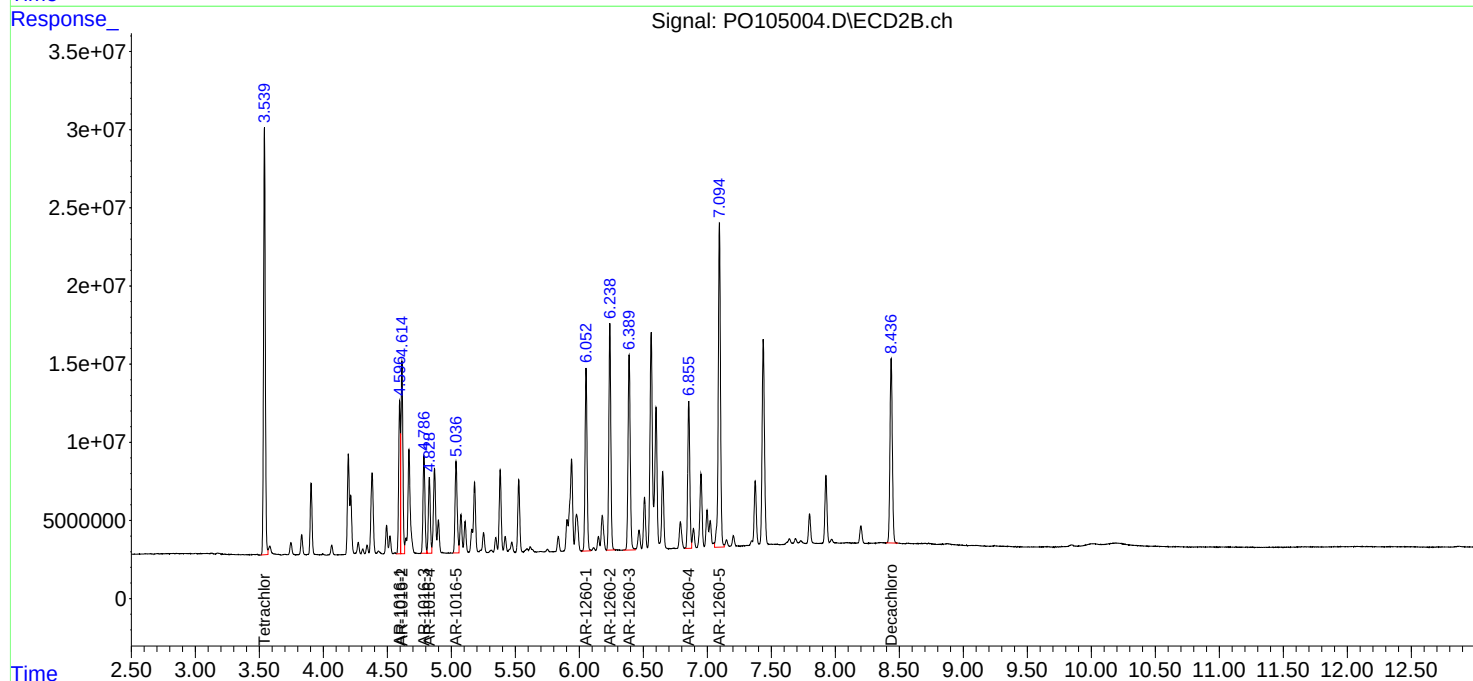
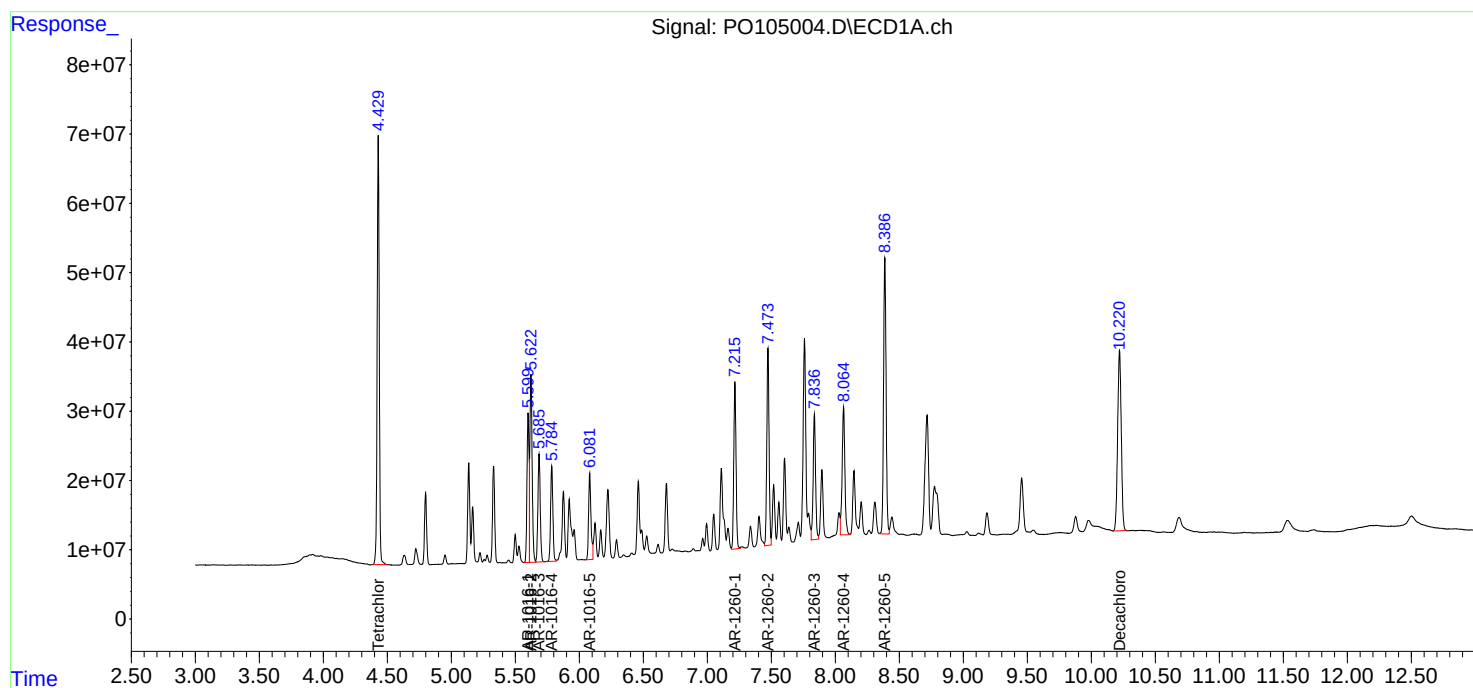
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

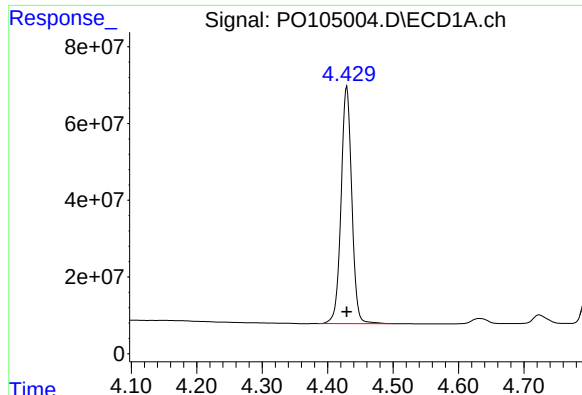
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 18:07
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 04:35:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 04:35:29 2024
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

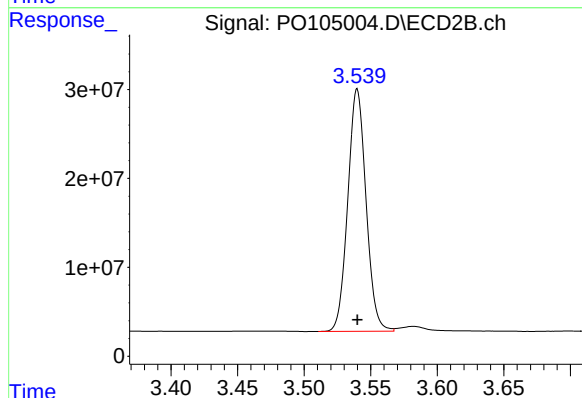




#1 Tetrachloro-m-xylene

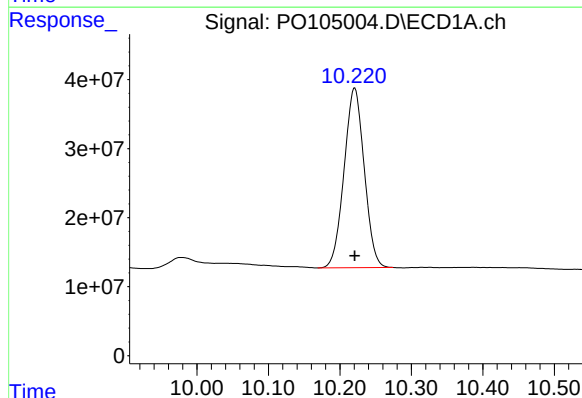
R.T.: 4.429 min
Delta R.T.: 0.000 min
Response: 703336891
Conc: 99.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



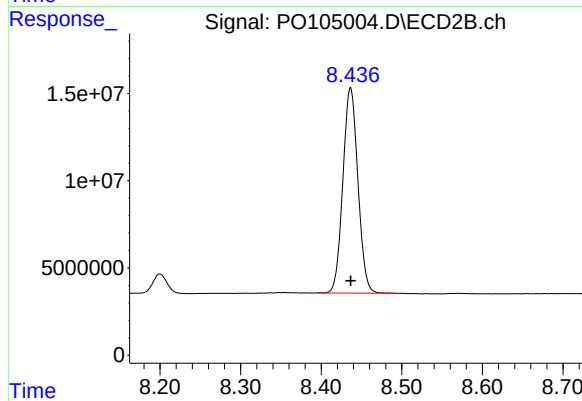
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 260279675
Conc: 99.19 ng/ml



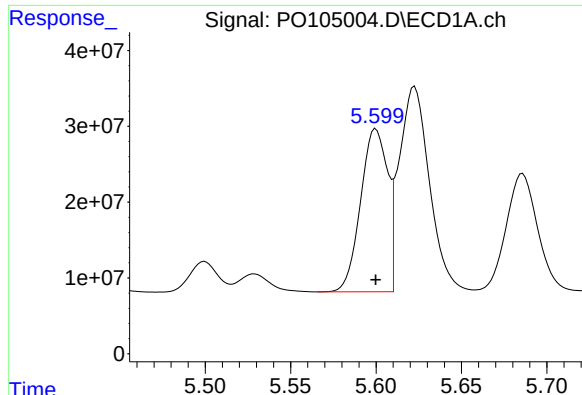
#2 Decachlorobiphenyl

R.T.: 10.221 min
Delta R.T.: 0.000 min
Response: 509410404
Conc: 98.12 ng/ml



#2 Decachlorobiphenyl

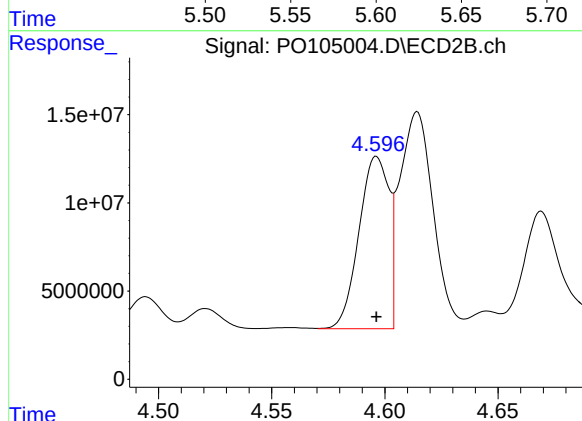
R.T.: 8.436 min
Delta R.T.: 0.000 min
Response: 152398506
Conc: 96.88 ng/ml



#3 AR-1016-1

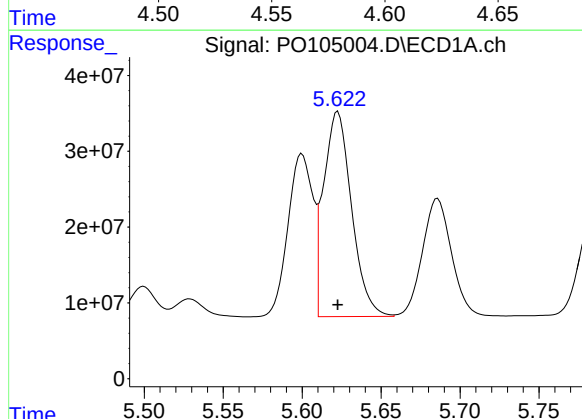
R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 235368047
Conc: 978.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



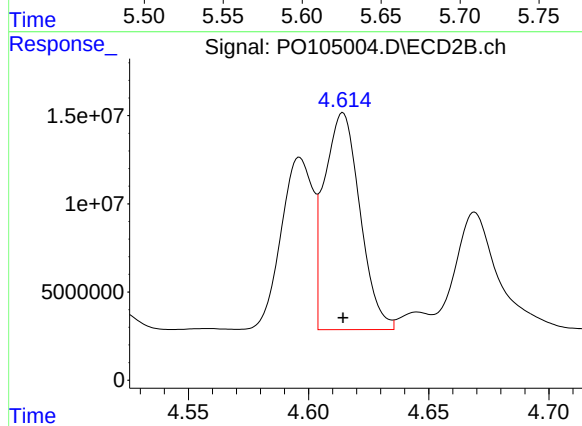
#3 AR-1016-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 89903839
Conc: 972.50 ng/ml



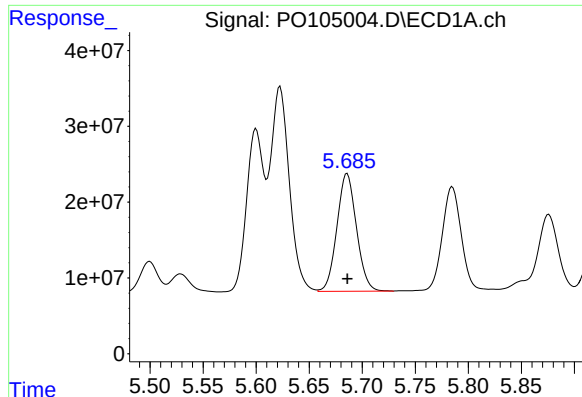
#4 AR-1016-2

R.T.: 5.623 min
Delta R.T.: 0.000 min
Response: 333766640
Conc: 978.52 ng/ml



#4 AR-1016-2

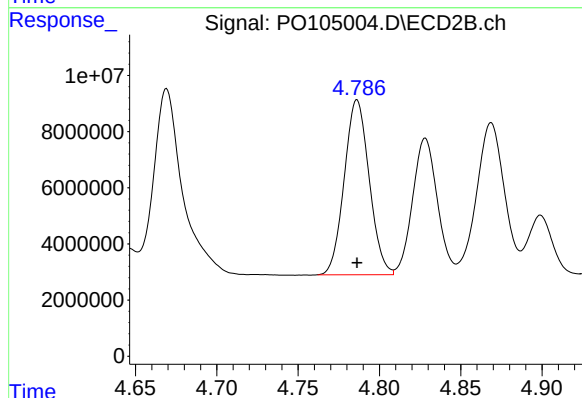
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 126852448
Conc: 977.01 ng/ml



#5 AR-1016-3

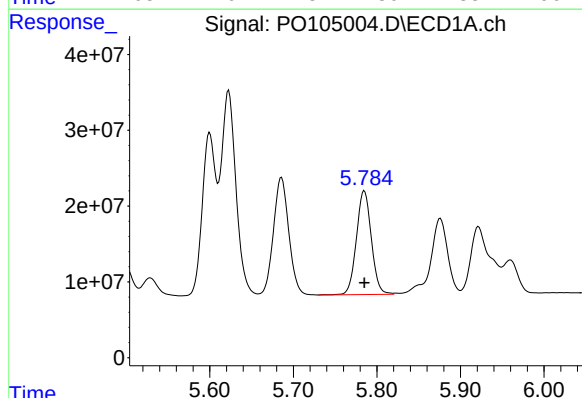
R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 198852069
Conc: 971.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



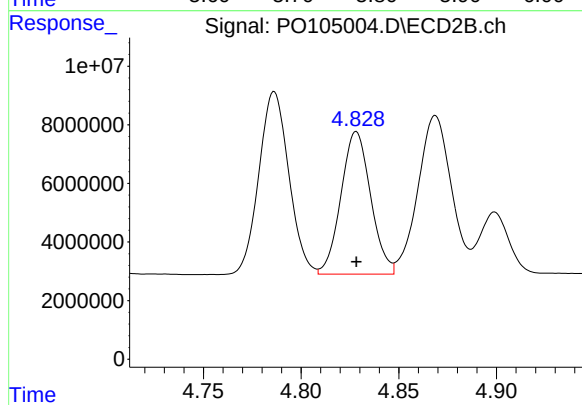
#5 AR-1016-3

R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 66470083
Conc: 970.12 ng/ml



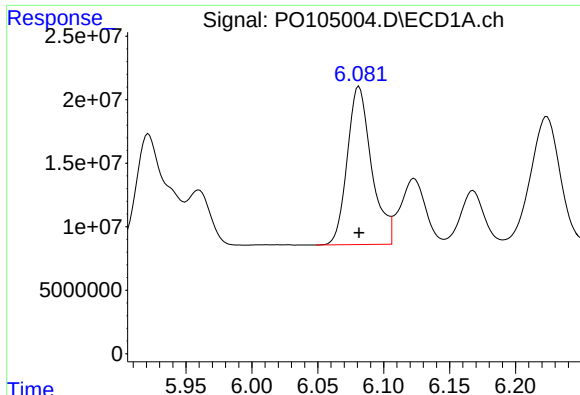
#6 AR-1016-4

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 169683511
Conc: 963.30 ng/ml



#6 AR-1016-4

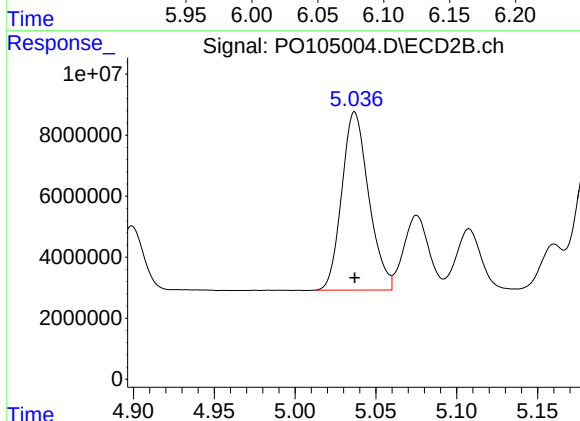
R.T.: 4.828 min
Delta R.T.: 0.000 min
Response: 51527137
Conc: 959.24 ng/ml



#7 AR-1016-5

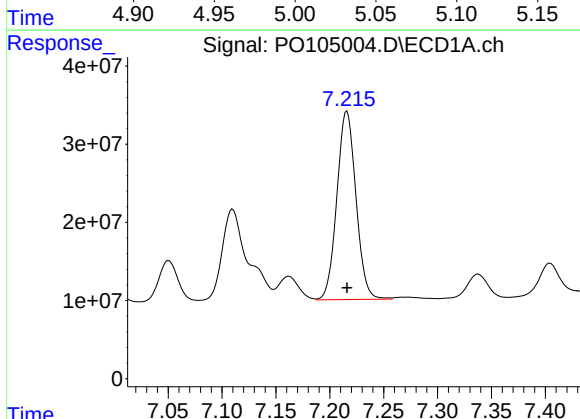
R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 159852986
Conc: 966.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



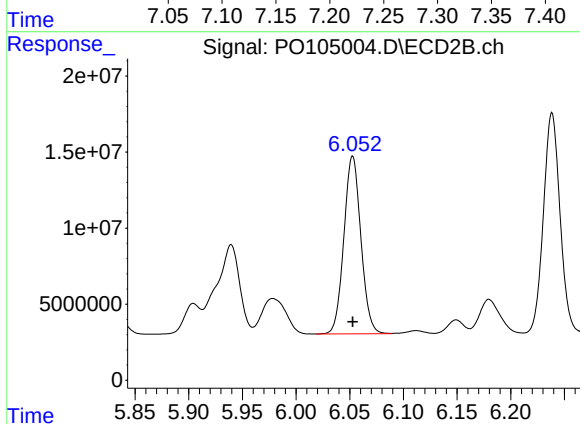
#7 AR-1016-5

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 67733710
Conc: 962.73 ng/ml



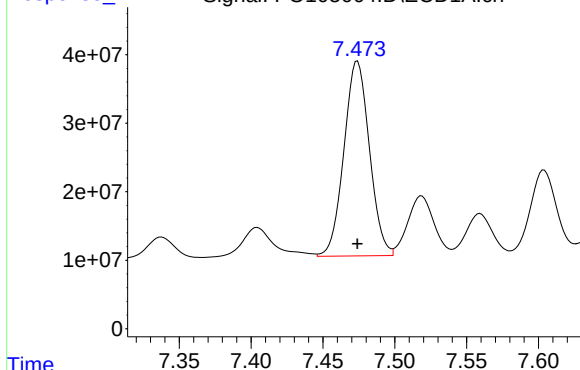
#31 AR-1260-1

R.T.: 7.216 min
Delta R.T.: 0.000 min
Response: 297280451
Conc: 965.69 ng/ml



#31 AR-1260-1

R.T.: 6.053 min
Delta R.T.: 0.000 min
Response: 128867770
Conc: 962.68 ng/ml



R.T.: 7.474 min
Delta R.T.: 0.000 min
Response: 350129033
Conc: 970.95 ng/ml

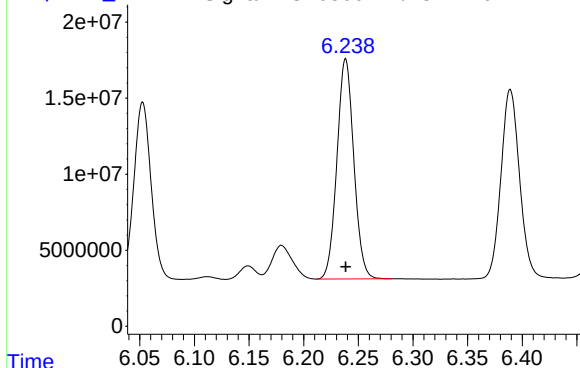
Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Time

Response_

Signal: PO105004.D\ECD2B.ch

#32 AR-1260-2



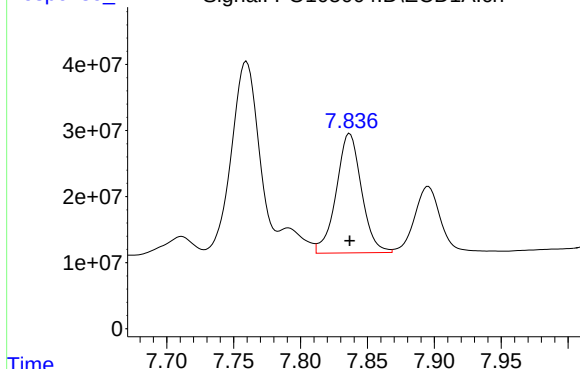
R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 155593164
Conc: 961.56 ng/ml

Time

Response_

Signal: PO105004.D\ECD1A.ch

#33 AR-1260-3



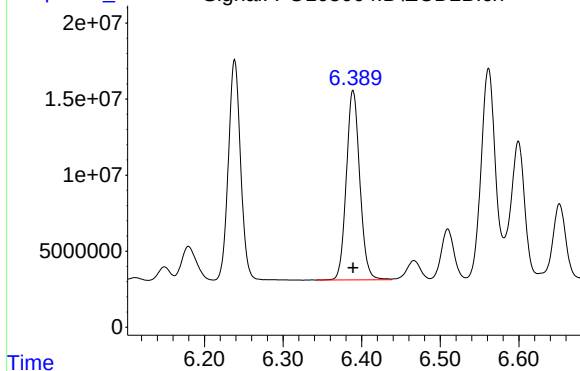
R.T.: 7.837 min
Delta R.T.: 0.000 min
Response: 238099924
Conc: 955.60 ng/ml

Time

Response_

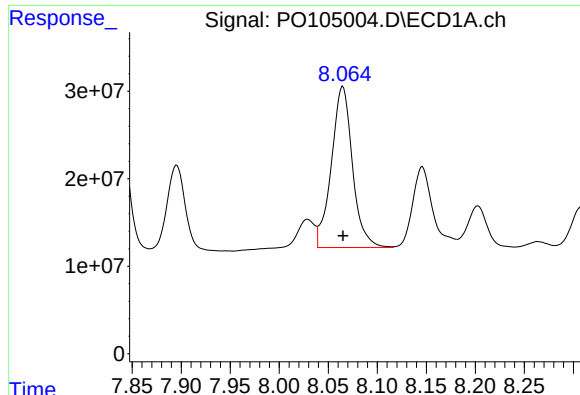
Signal: PO105004.D\ECD2B.ch

#33 AR-1260-3



R.T.: 6.389 min
Delta R.T.: 0.000 min
Response: 148551622
Conc: 959.52 ng/ml

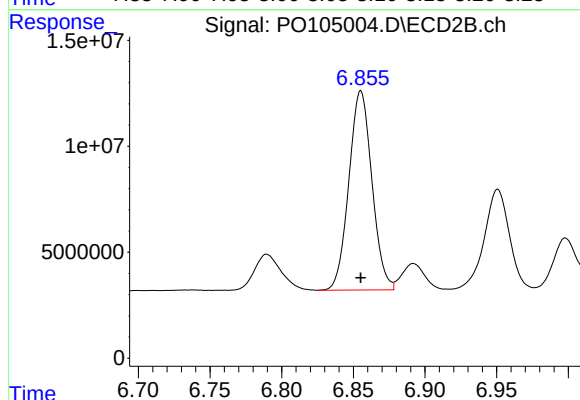
Time



#34 AR-1260-4

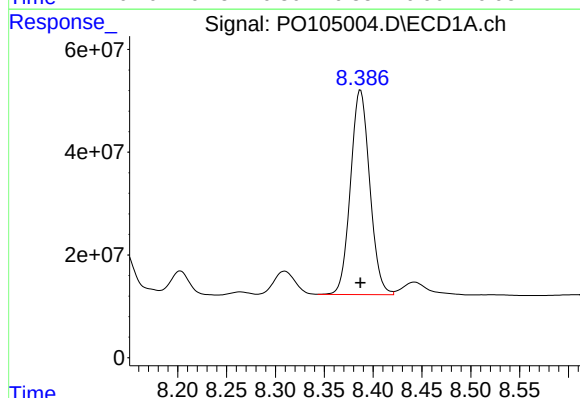
R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 275464276
Conc: 966.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



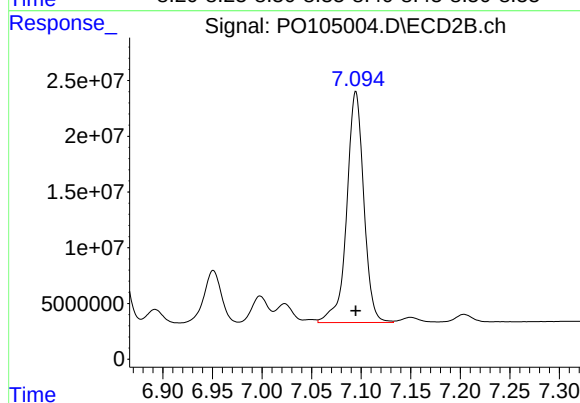
#34 AR-1260-4

R.T.: 6.855 min
Delta R.T.: 0.000 min
Response: 105312629
Conc: 968.07 ng/ml



#35 AR-1260-5

R.T.: 8.387 min
Delta R.T.: 0.000 min
Response: 545183448
Conc: 975.23 ng/ml



#35 AR-1260-5

R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 248058587
Conc: 973.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 18:24
 Operator : YP/AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 04:37:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 04:36:58 2024
 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...	4.429	3.540	529.7E6	193.8E6	74.793	74.246
2) SA Decachlor...	10.220	8.436	384.0E6	117.1E6	74.303	74.628
Target Compounds						
3) L1 AR-1016-1	5.599	4.597	179.2E6	68193124	746.651	741.725
4) L1 AR-1016-2	5.622	4.614	253.6E6	96145898	745.642	743.649
5) L1 AR-1016-3	5.685	4.786	151.6E6	50420731	744.034	740.529
6) L1 AR-1016-4	5.784	4.828	130.0E6	39551035	741.869	740.806
7) L1 AR-1016-5	6.081	5.037	122.5E6	52074365	743.738	743.407
31) L7 AR-1260-1	7.215	6.052	227.5E6	99141520	742.712	743.715
32) L7 AR-1260-2	7.474	6.238	268.2E6	119.9E6	745.769	744.099
33) L7 AR-1260-3	7.837	6.389	185.2E6	114.5E6	745.461	742.994
34) L7 AR-1260-4	8.064	6.855	210.2E6	80657584	741.777	744.268
35) L7 AR-1260-5	8.387	7.095	415.5E6	188.9E6	745.467	744.148

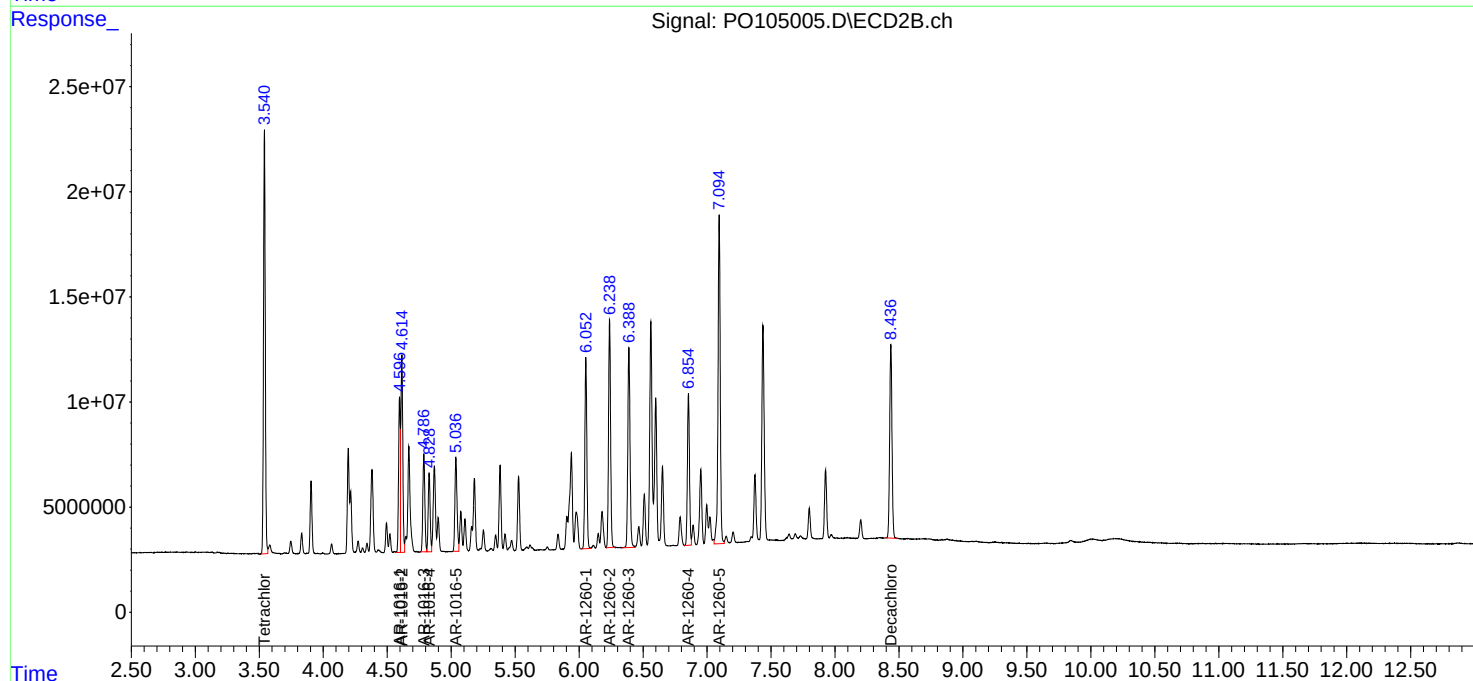
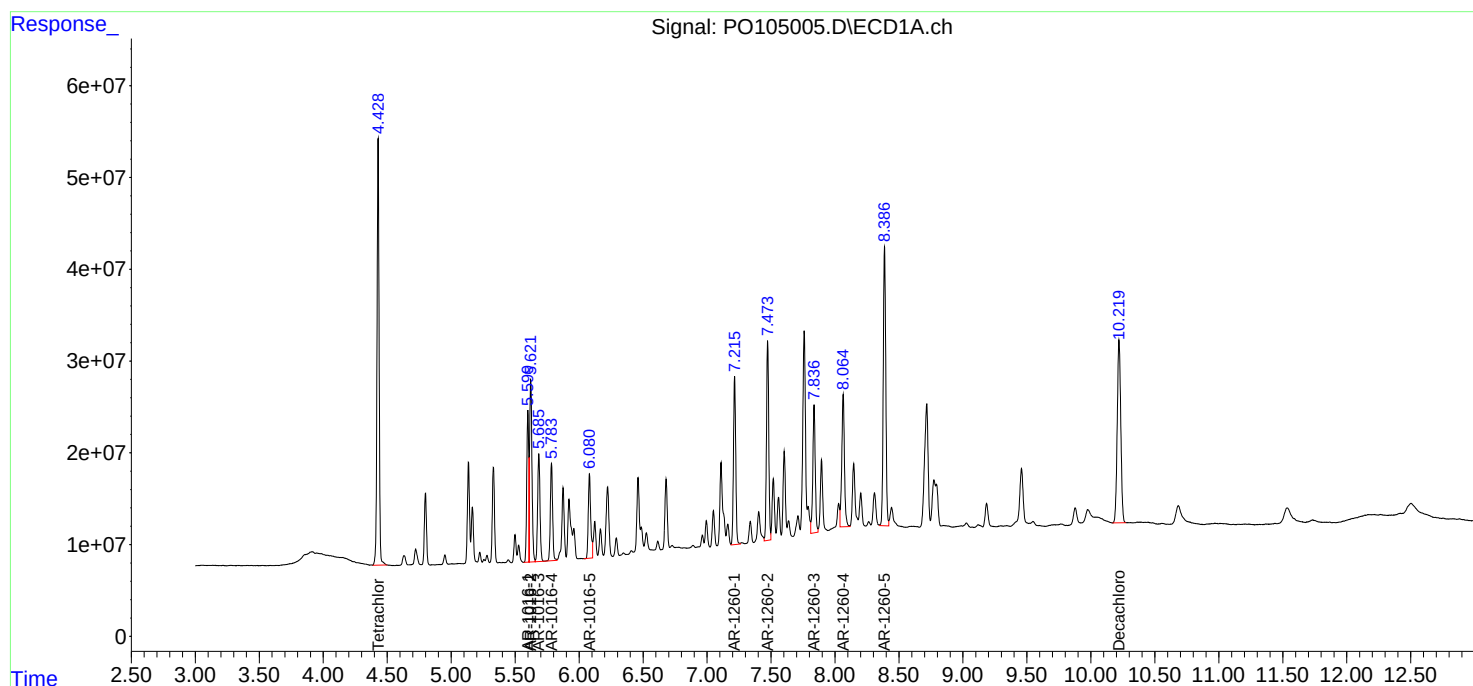
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

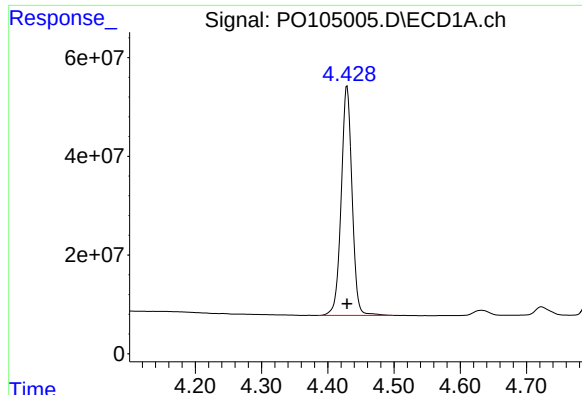
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 18:24
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 04:37:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 04:36:58 2024
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

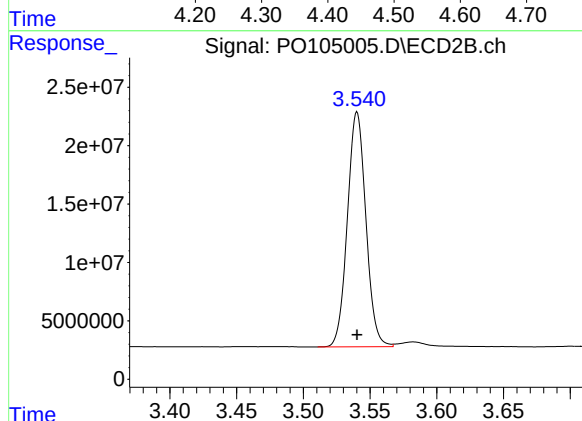




#1 Tetrachloro-m-xylene

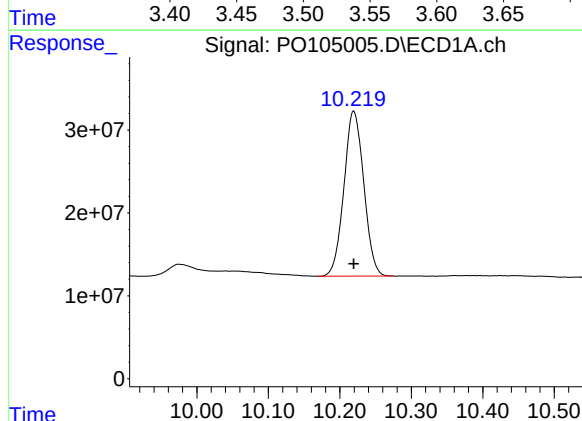
R.T.: 4.429 min
Delta R.T.: 0.000 min
Response: 529724192
Conc: 74.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



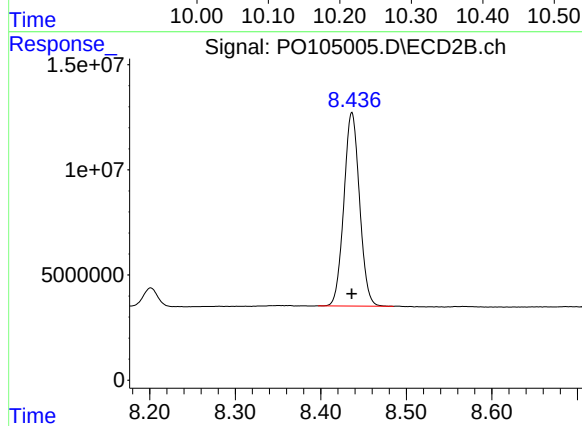
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 193845698
Conc: 74.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 383961408
Conc: 74.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.436 min
Delta R.T.: 0.000 min
Response: 117105236
Conc: 74.63 ng/ml

Response_

Signal: PO105005.D\ECD1A.ch

#3 AR-1016-1

R.T.: 5.599 min

Delta R.T.: 0.000 min

Response: 179207592

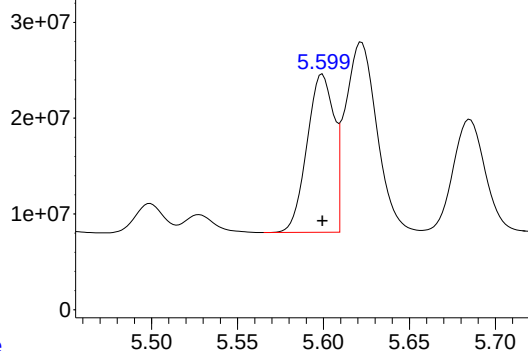
Conc: 746.65 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1660ICC750



Time

Response_

Signal: PO105005.D\ECD2B.ch

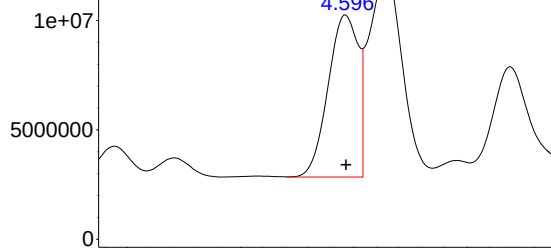
#3 AR-1016-1

R.T.: 4.597 min

Delta R.T.: 0.000 min

Response: 68193124

Conc: 741.72 ng/ml



Time

Response_

Signal: PO105005.D\ECD1A.ch

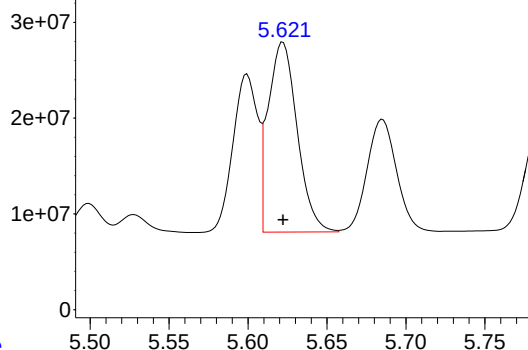
#4 AR-1016-2

R.T.: 5.622 min

Delta R.T.: 0.000 min

Response: 253596235

Conc: 745.64 ng/ml



Time

Response_

Signal: PO105005.D\ECD2B.ch

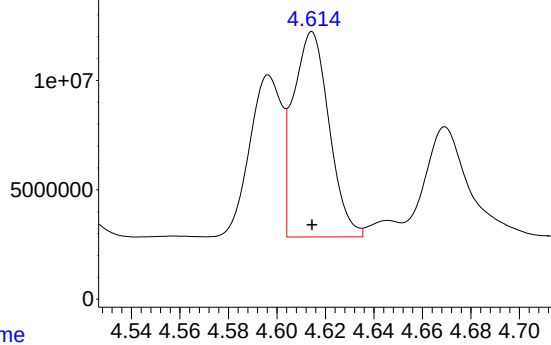
#4 AR-1016-2

R.T.: 4.614 min

Delta R.T.: 0.000 min

Response: 96145898

Conc: 743.65 ng/ml



Time

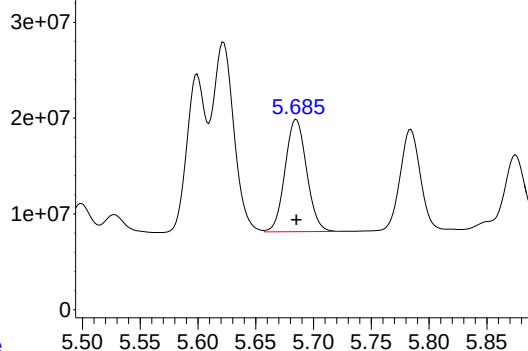
Response_

Signal: PO105005.D\ECD1A.ch

#5 AR-1016-3

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 151636589
Conc: 744.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



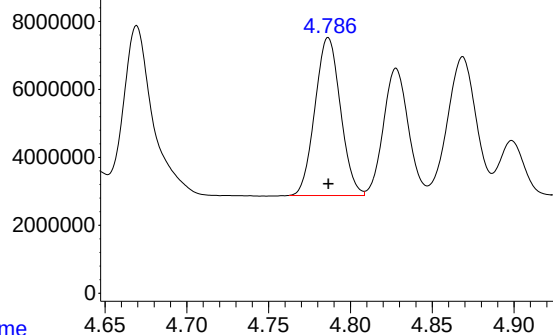
Time

Response_

Signal: PO105005.D\ECD2B.ch

#5 AR-1016-3

R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 50420731
Conc: 740.53 ng/ml



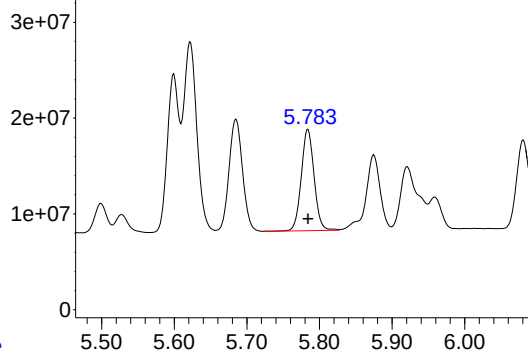
Time

Response_

Signal: PO105005.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 129974081
Conc: 741.87 ng/ml



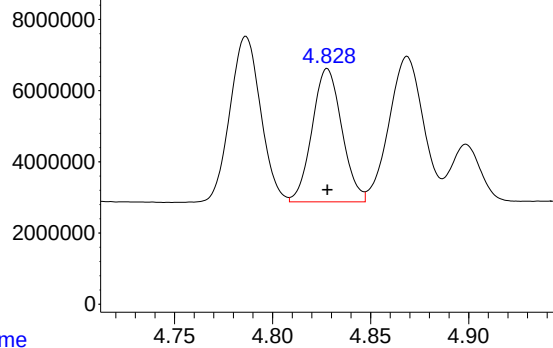
Time

Response_

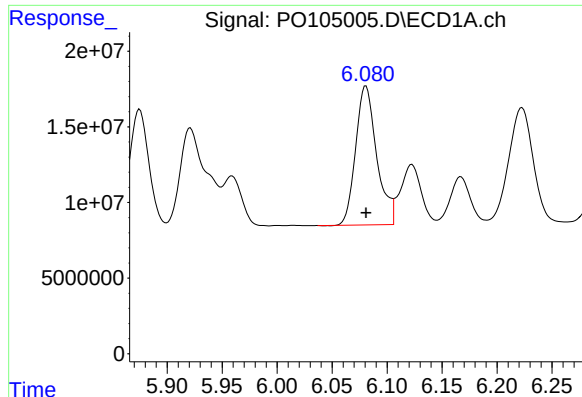
Signal: PO105005.D\ECD2B.ch

#6 AR-1016-4

R.T.: 4.828 min
Delta R.T.: 0.000 min
Response: 39551035
Conc: 740.81 ng/ml



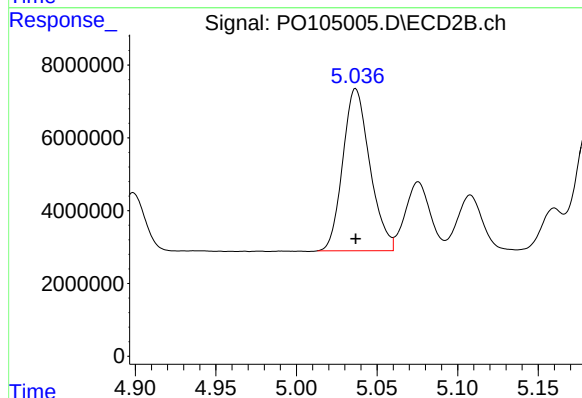
Time



#7 AR-1016-5

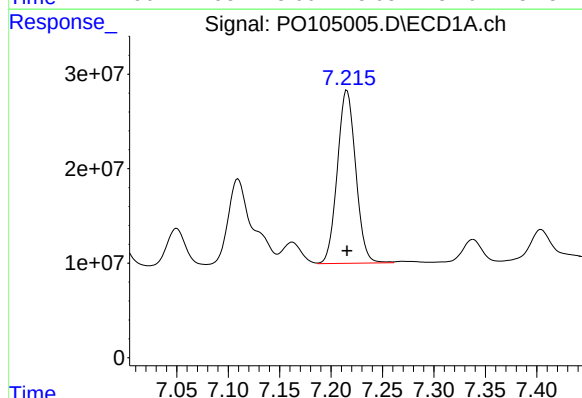
R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 122532521
Conc: 743.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



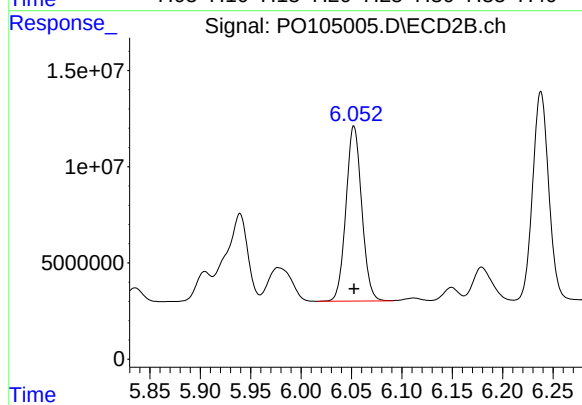
#7 AR-1016-5

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 52074365
Conc: 743.41 ng/ml



#31 AR-1260-1

R.T.: 7.215 min
Delta R.T.: 0.000 min
Response: 227532832
Conc: 742.71 ng/ml



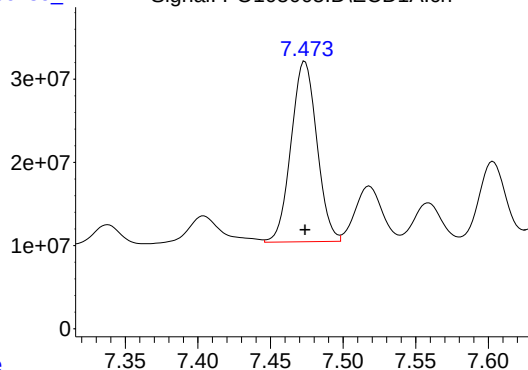
#31 AR-1260-1

R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 99141520
Conc: 743.72 ng/ml

Response_

Signal: PO105005.D\ECD1A.ch

#32 AR-1260-2



R.T.: 7.474 min
Delta R.T.: 0.000 min
Response: 268170142
Conc: 745.77 ng/ml

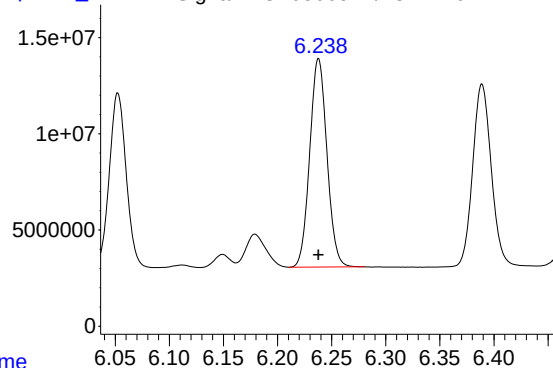
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Time

Response_

Signal: PO105005.D\ECD2B.ch

#32 AR-1260-2



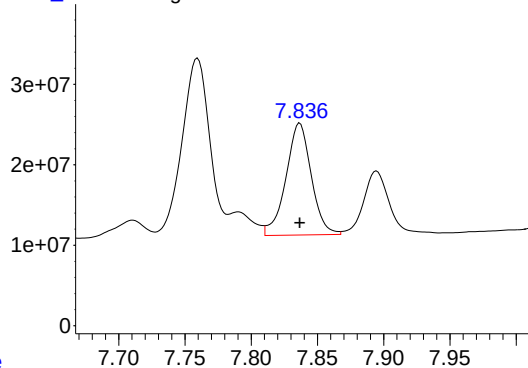
R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 119933589
Conc: 744.10 ng/ml

Time

Response_

Signal: PO105005.D\ECD1A.ch

#33 AR-1260-3



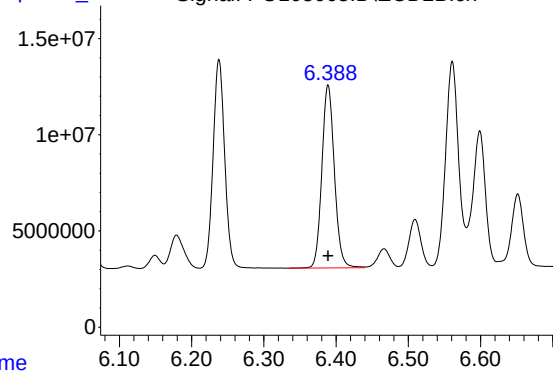
R.T.: 7.837 min
Delta R.T.: 0.000 min
Response: 185179761
Conc: 745.46 ng/ml

Time

Response_

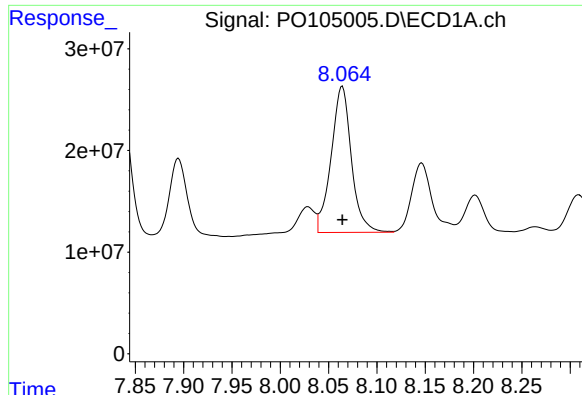
Signal: PO105005.D\ECD2B.ch

#33 AR-1260-3



R.T.: 6.389 min
Delta R.T.: 0.000 min
Response: 114494532
Conc: 742.99 ng/ml

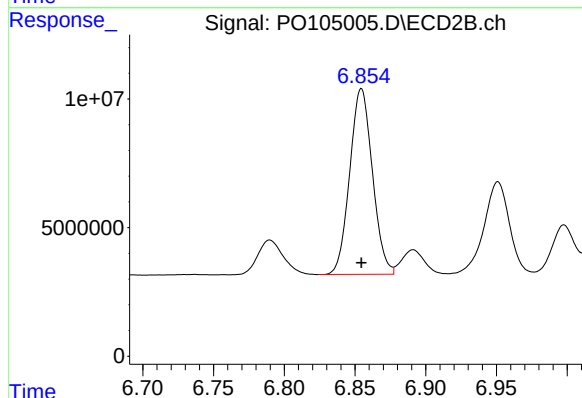
Time



#34 AR-1260-4

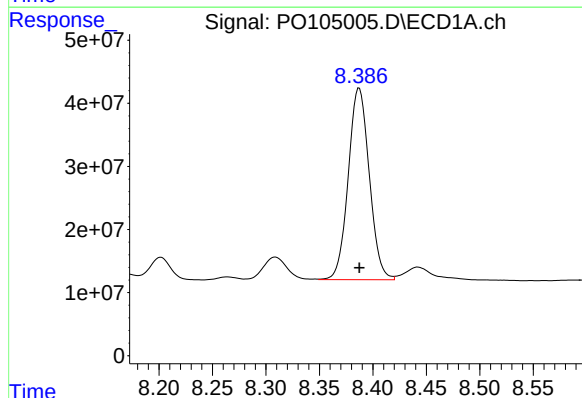
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 210157103
Conc: 741.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



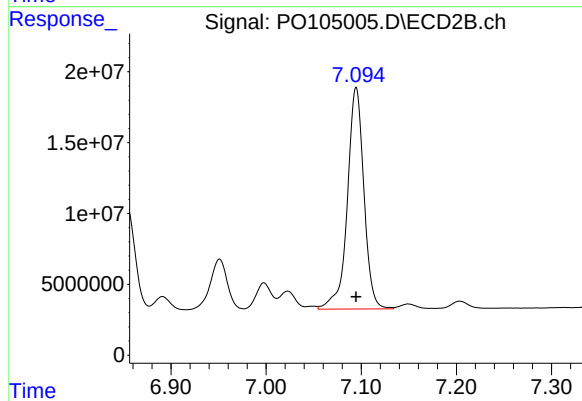
#34 AR-1260-4

R.T.: 6.855 min
Delta R.T.: 0.000 min
Response: 80657584
Conc: 744.27 ng/ml



#35 AR-1260-5

R.T.: 8.387 min
Delta R.T.: 0.000 min
Response: 415485035
Conc: 745.47 ng/ml



#35 AR-1260-5

R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 188896759
Conc: 744.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 18:42
 Operator : YP/AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 04:27:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 04:26:20 2024
 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...	4.429	3.540	357.6E6	132.3E6	50.000	50.000
2) SA Decachlor...	10.221	8.437	264.4E6	81107982	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	5.600	4.596	122.9E6	47493857	500.000	500.000
4) L1 AR-1016-2	5.622	4.614	174.2E6	66410652	500.000	500.000
5) L1 AR-1016-3	5.685	4.786	105.2E6	35282288	500.000	500.000
6) L1 AR-1016-4	5.785	4.828	91306229	27952913	500.000	500.000
7) L1 AR-1016-5	6.081	5.037	85513556	36489262	500.000	500.000
31) L7 AR-1260-1	7.216	6.052	159.2E6	69430334	500.000	500.000
32) L7 AR-1260-2	7.474	6.238	185.5E6	84017012	500.000	500.000
33) L7 AR-1260-3	7.837	6.389	130.1E6	80542852	500.000	500.000
34) L7 AR-1260-4	8.064	6.855	147.1E6	56129519	500.000	500.000
35) L7 AR-1260-5	8.387	7.095	286.4E6	130.8E6	500.000	500.000

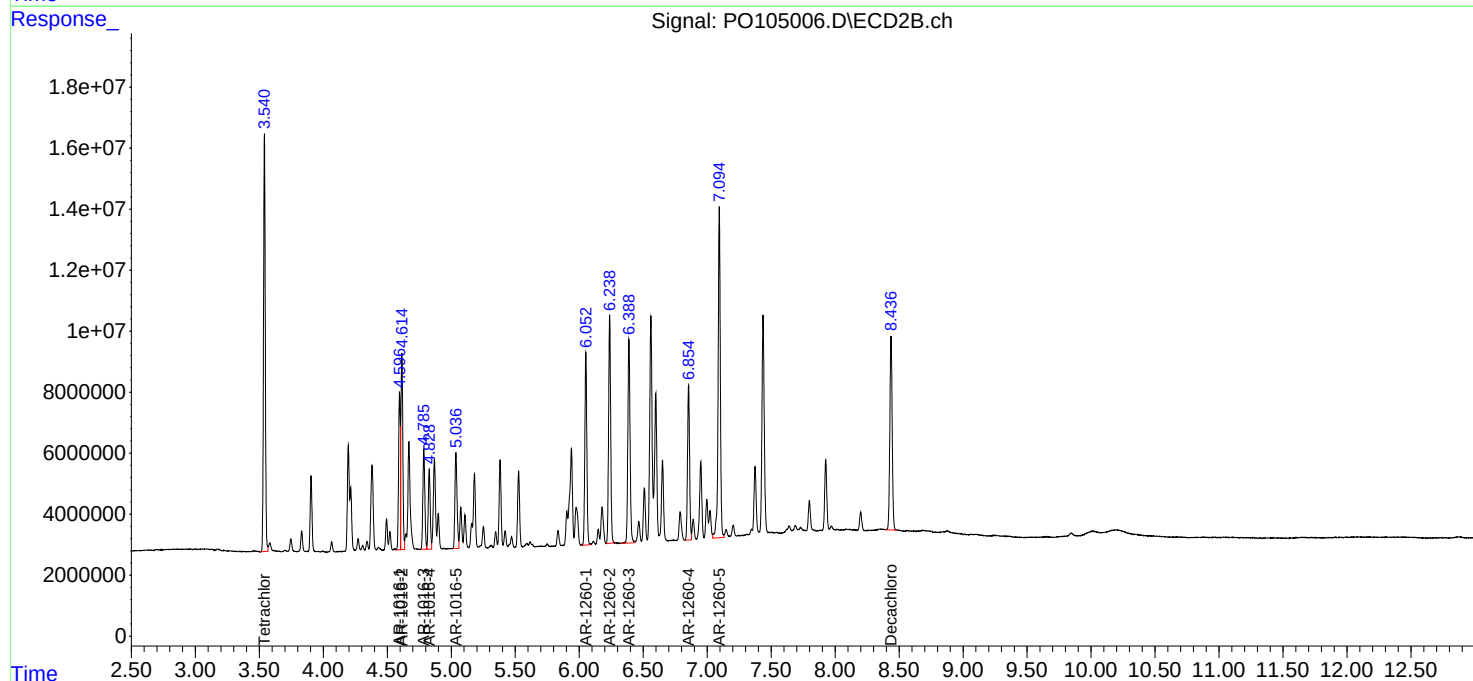
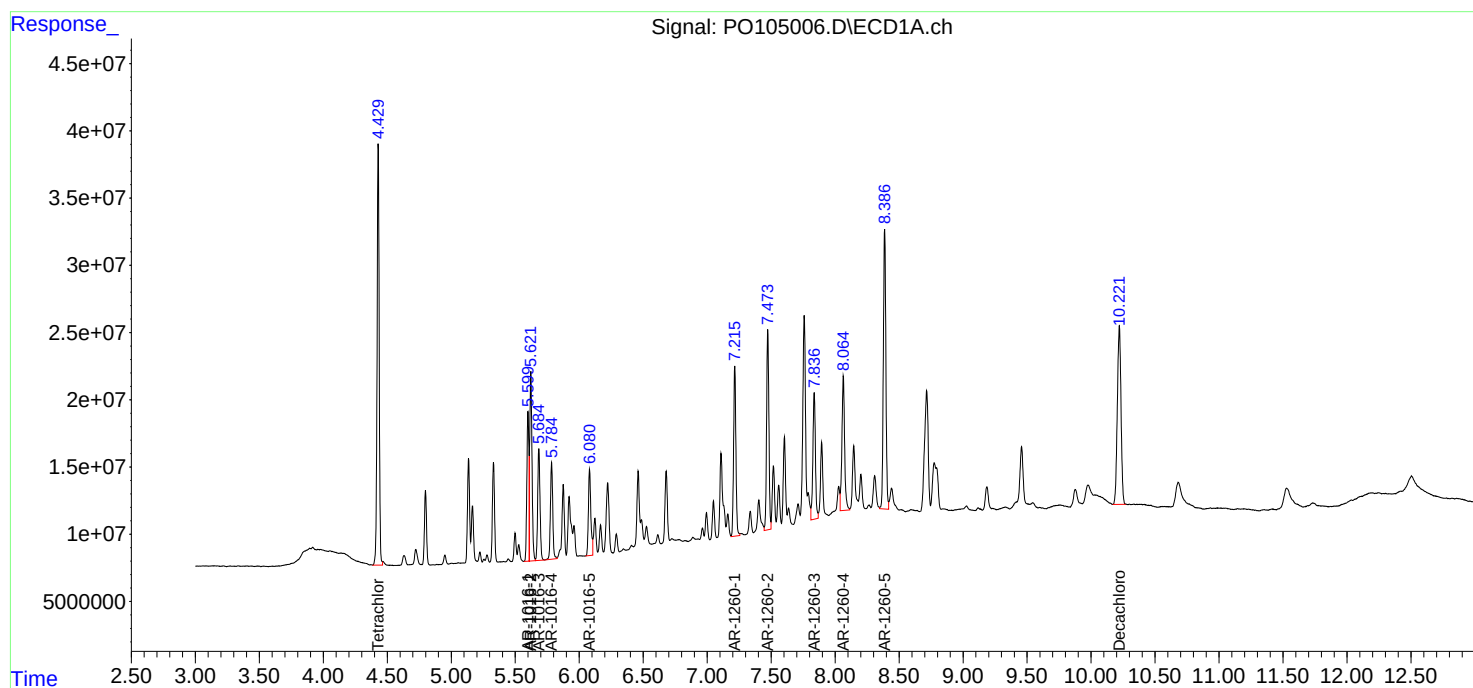
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 18:42
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 04:27:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 04:26:20 2024
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



Response_

Signal: PO105006.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.429 min

Delta R.T.: 0.000 min

Response: 357569108

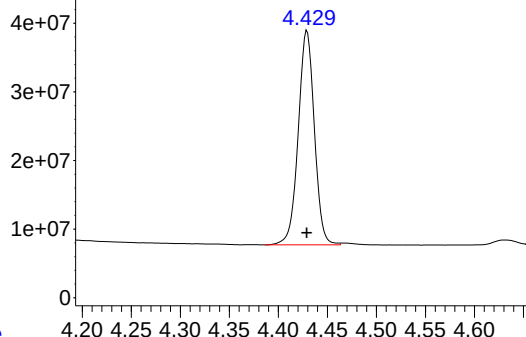
Conc: 50.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1660ICC500



Time

Response_

Signal: PO105006.D\ECD2B.ch

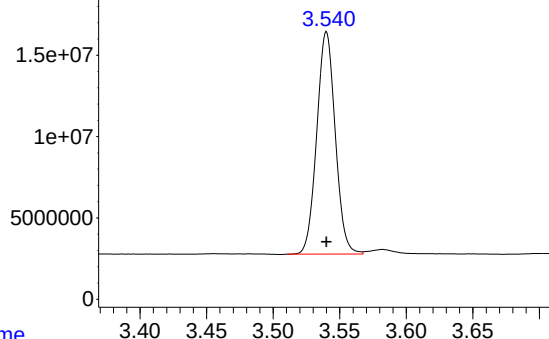
#1 Tetrachloro-m-xylene

R.T.: 3.540 min

Delta R.T.: 0.000 min

Response: 132259330

Conc: 50.00 ng/ml



Time

Response_

Signal: PO105006.D\ECD1A.ch

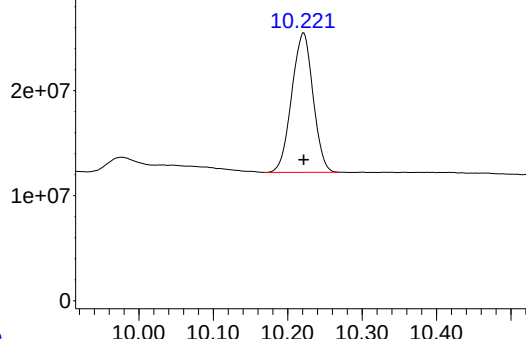
#2 Decachlorobiphenyl

R.T.: 10.221 min

Delta R.T.: 0.000 min

Response: 264449029

Conc: 50.00 ng/ml



Time

Response_

Signal: PO105006.D\ECD2B.ch

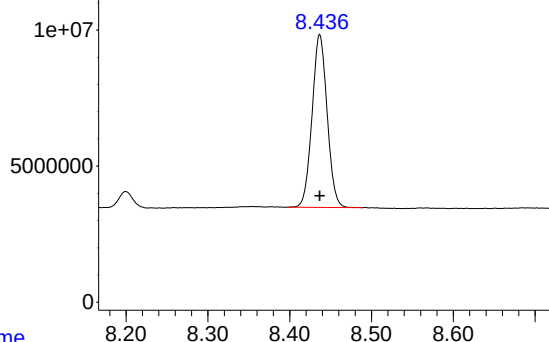
#2 Decachlorobiphenyl

R.T.: 8.437 min

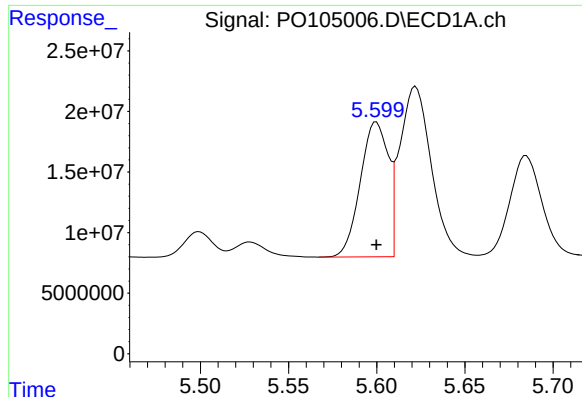
Delta R.T.: 0.000 min

Response: 81107982

Conc: 50.00 ng/ml



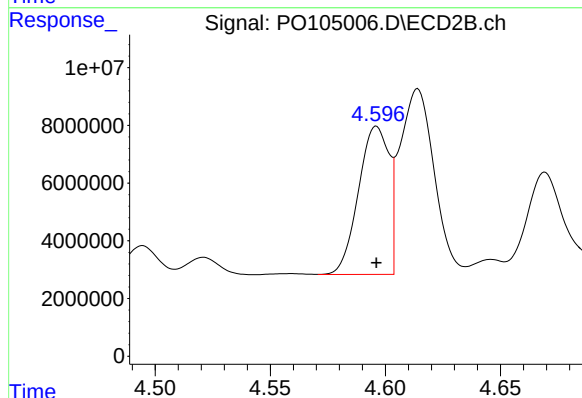
Time



#3 AR-1016-1

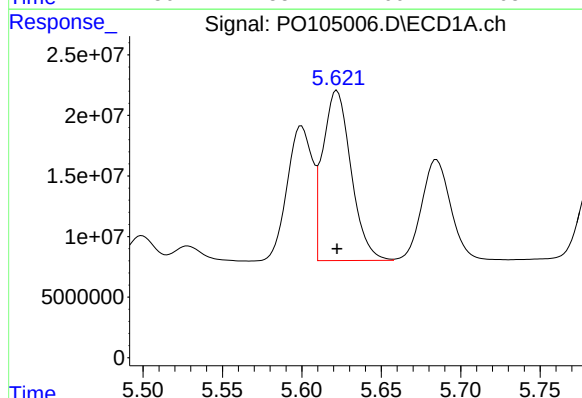
R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 122866839
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



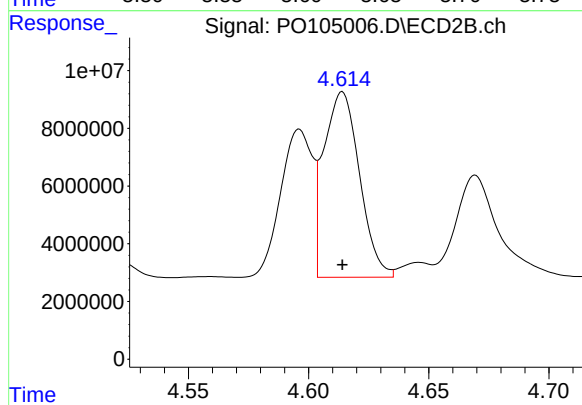
#3 AR-1016-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 47493857
Conc: 500.00 ng/ml



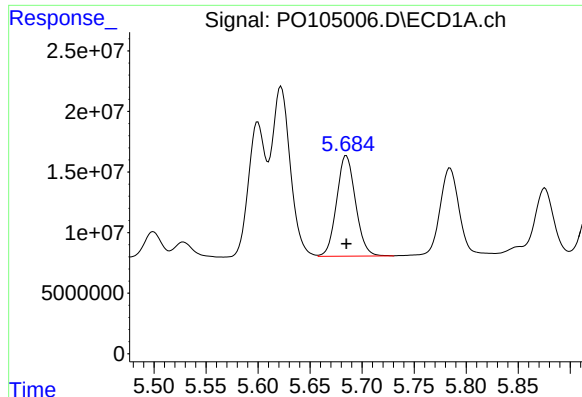
#4 AR-1016-2

R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 174209322
Conc: 500.00 ng/ml



#4 AR-1016-2

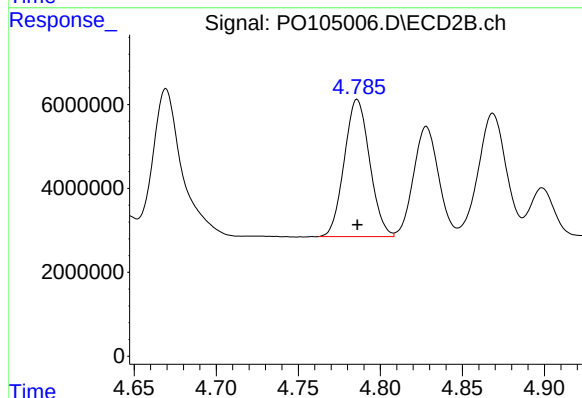
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 66410652
Conc: 500.00 ng/ml



#5 AR-1016-3

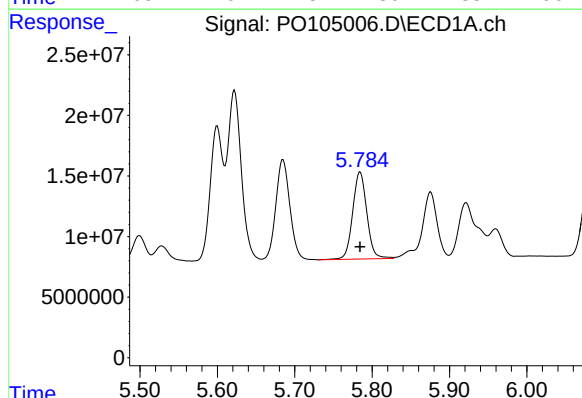
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 105188018
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



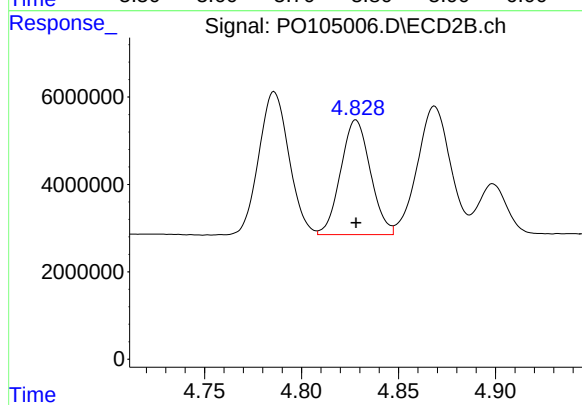
#5 AR-1016-3

R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 35282288
Conc: 500.00 ng/ml



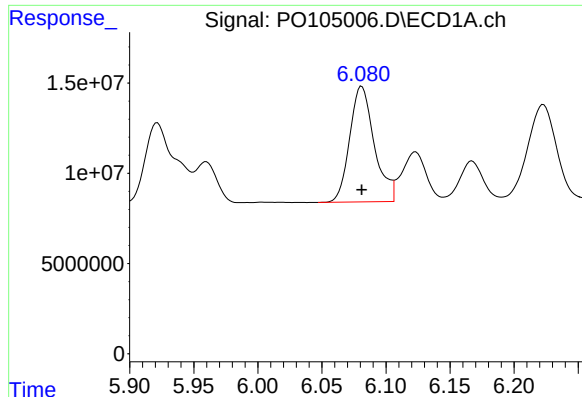
#6 AR-1016-4

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 91306229
Conc: 500.00 ng/ml



#6 AR-1016-4

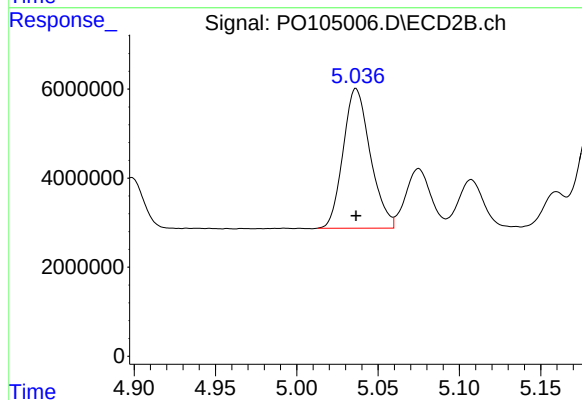
R.T.: 4.828 min
Delta R.T.: 0.000 min
Response: 27952913
Conc: 500.00 ng/ml



#7 AR-1016-5

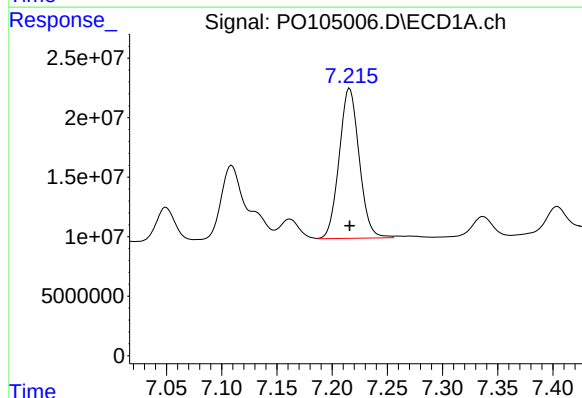
R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 85513556
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



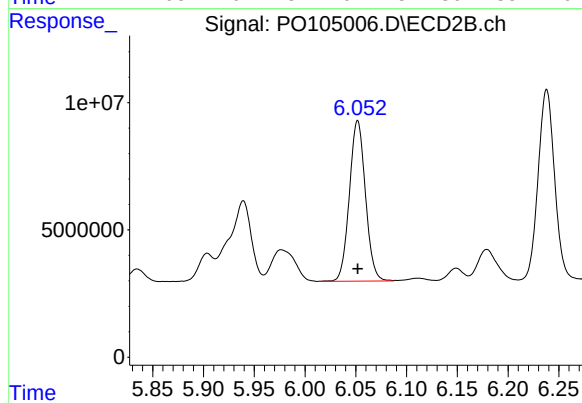
#7 AR-1016-5

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 36489262
Conc: 500.00 ng/ml



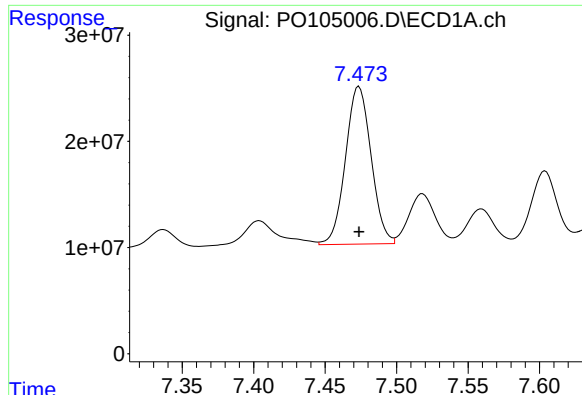
#31 AR-1260-1

R.T.: 7.216 min
Delta R.T.: 0.000 min
Response: 159202336
Conc: 500.00 ng/ml



#31 AR-1260-1

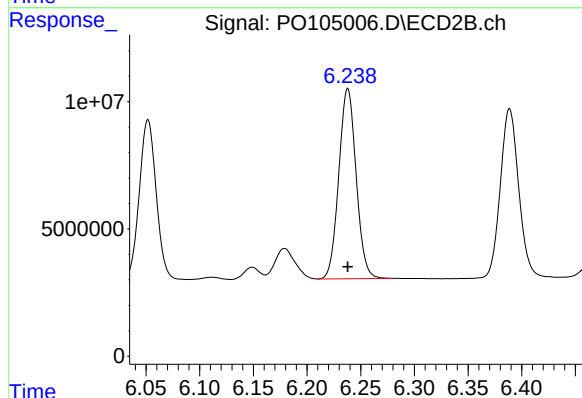
R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 69430334
Conc: 500.00 ng/ml



#32 AR-1260-2

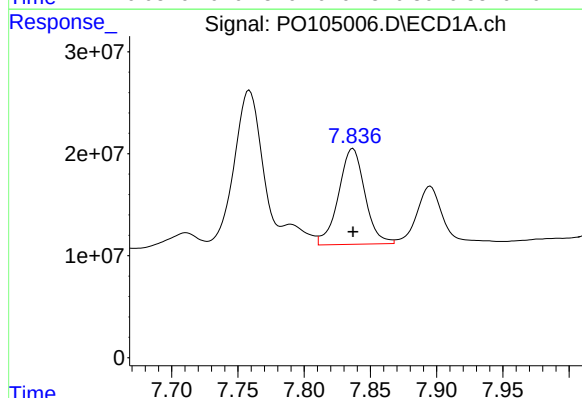
R.T.: 7.474 min
Delta R.T.: 0.000 min
Response: 185538484
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



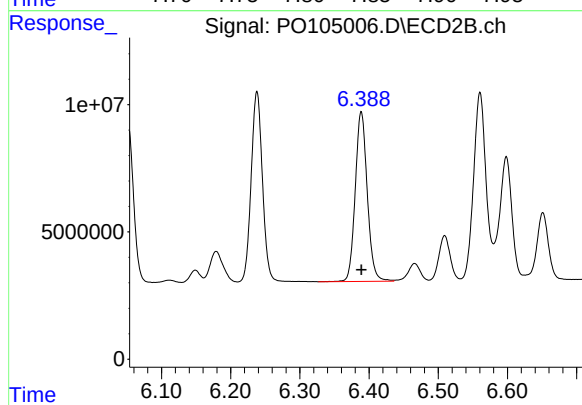
#32 AR-1260-2

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 84017012
Conc: 500.00 ng/ml



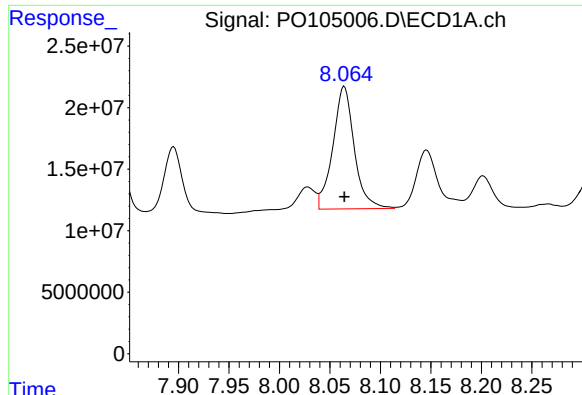
#33 AR-1260-3

R.T.: 7.837 min
Delta R.T.: 0.000 min
Response: 130111664
Conc: 500.00 ng/ml



#33 AR-1260-3

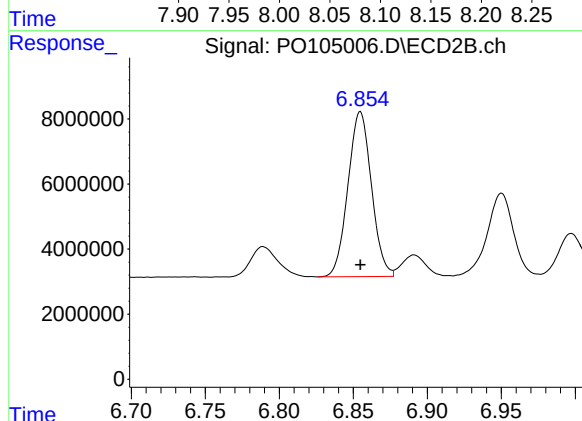
R.T.: 6.389 min
Delta R.T.: 0.000 min
Response: 80542852
Conc: 500.00 ng/ml



#34 AR-1260-4

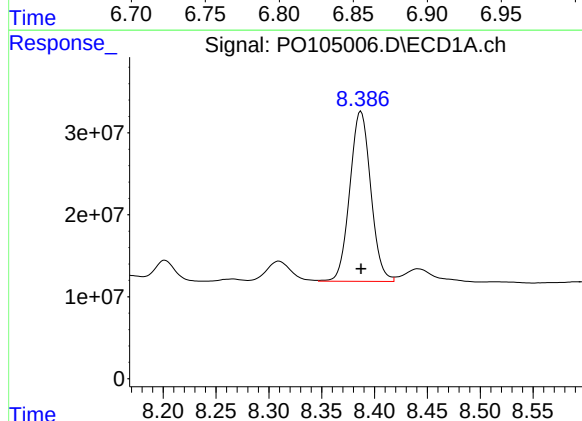
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 147136724
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



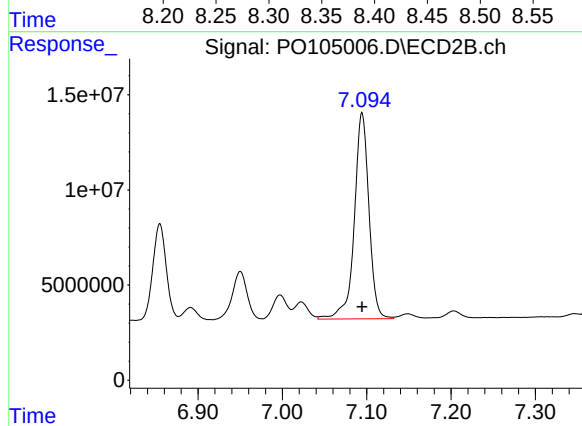
#34 AR-1260-4

R.T.: 6.855 min
Delta R.T.: 0.000 min
Response: 56129519
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 8.387 min
Delta R.T.: 0.000 min
Response: 286440816
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 130804095
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 18:59
 Operator : YP/AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 04:38:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 04:38:39 2024
 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...	4.430	3.540	180.5E6	65976534	25.360	25.202
2) SA Decachlor...	10.219	8.435	136.7E6	42076886	26.081	26.337
Target Compounds						
3) L1 AR-1016-1	5.600	4.596	63337285	24721569	260.274	263.906
4) L1 AR-1016-2	5.622	4.614	88509385	33882354	257.603	258.942
5) L1 AR-1016-3	5.684	4.786	54799881	17918519	263.902	259.749
6) L1 AR-1016-4	5.784	4.828	48600658	14482997	270.005	265.622
7) L1 AR-1016-5	6.080	5.037	43478306	19167792	260.283	267.318
31) L7 AR-1260-1	7.215	6.052	82382300	36367019	263.921	266.725
32) L7 AR-1260-2	7.473	6.238	98313665	43878525	267.153	266.313
33) L7 AR-1260-3	7.835	6.389	70422106	43763627	274.305	274.659
34) L7 AR-1260-4	8.064	6.855	76767421	29347378	265.398	265.284
35) L7 AR-1260-5	8.386	7.095	150.9E6	67458760	265.232	261.629

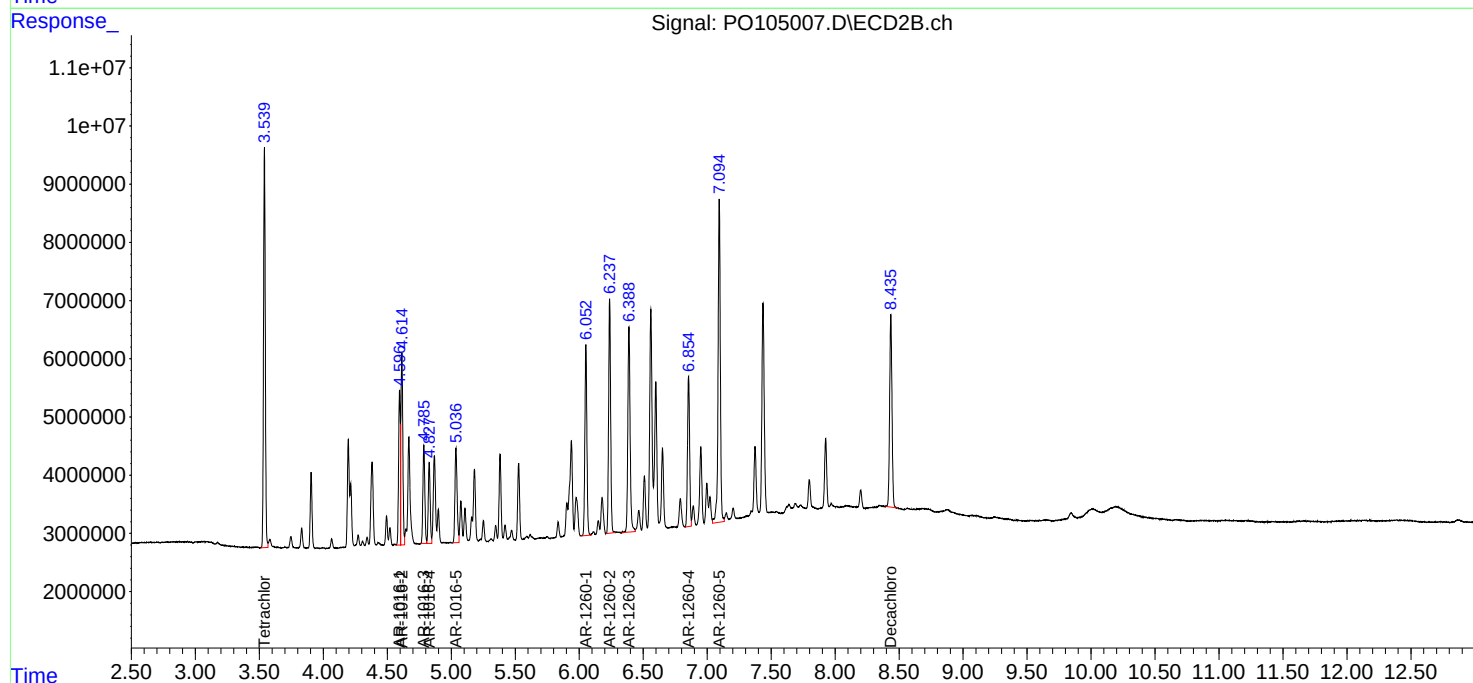
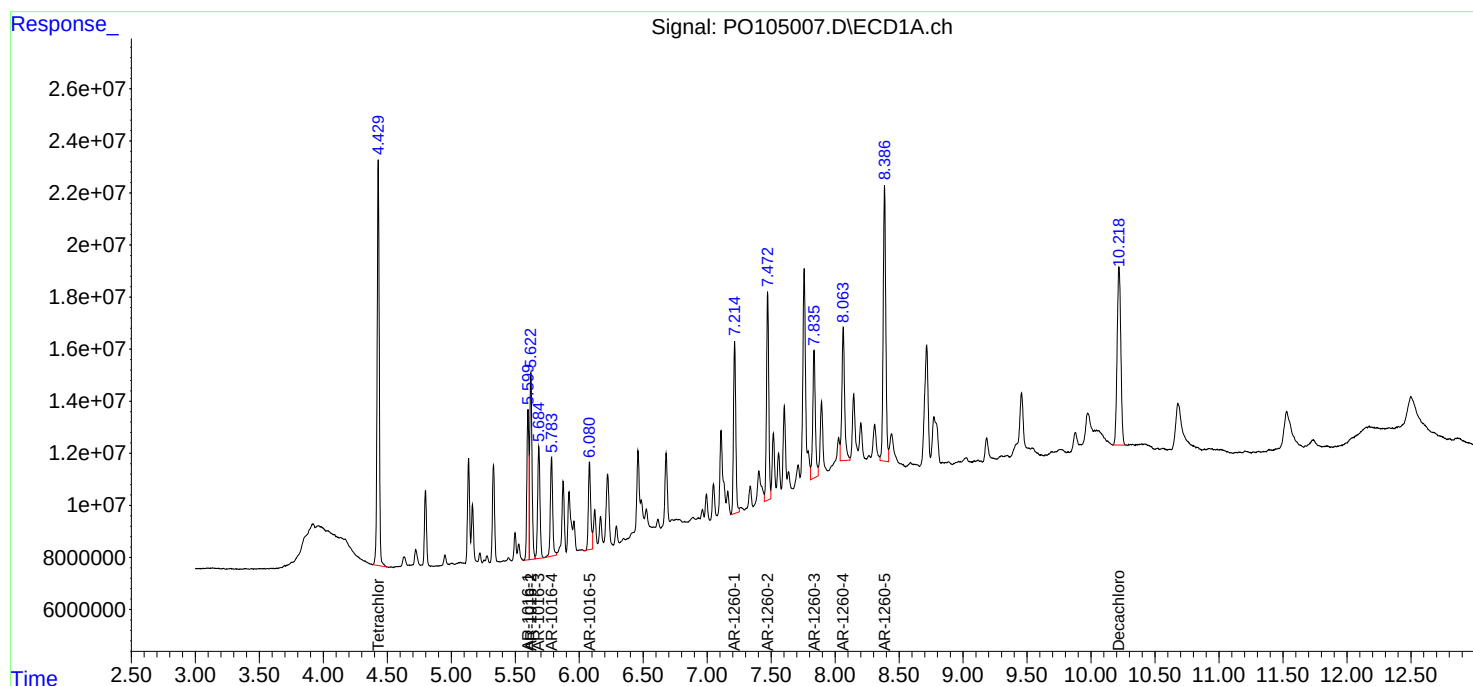
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

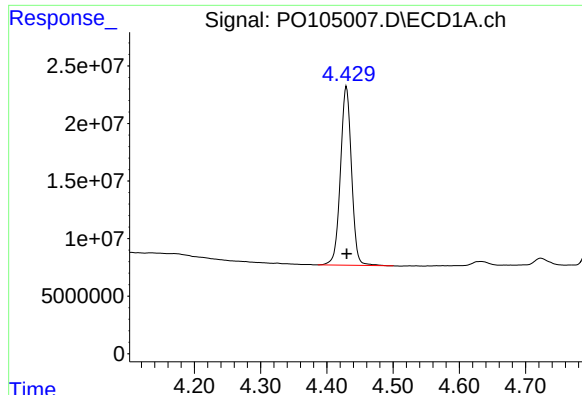
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 18:59
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 04:38:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 04:38:39 2024
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

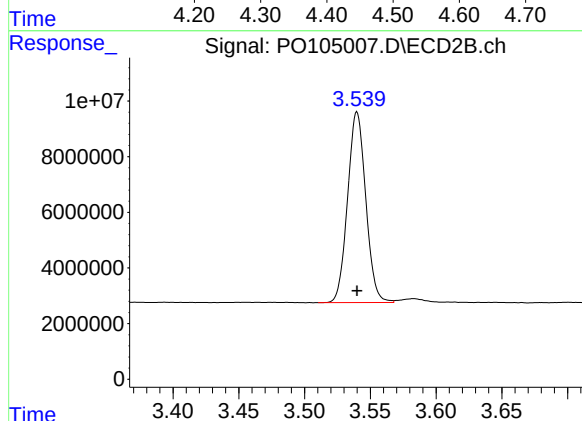




#1 Tetrachloro-m-xylene

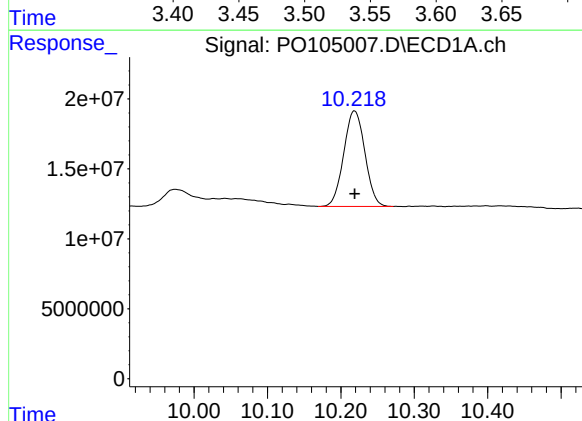
R.T.: 4.430 min
Delta R.T.: 0.000 min
Response: 180483547
Conc: 25.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



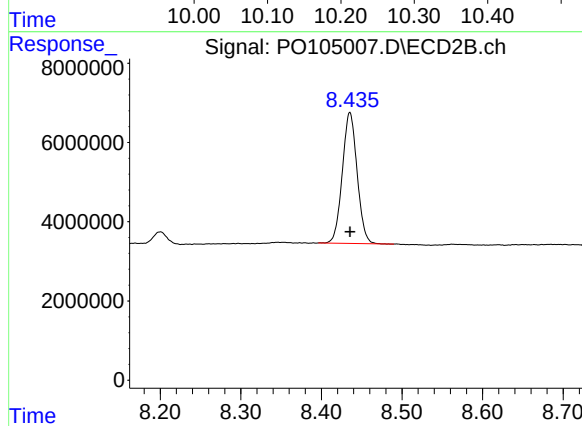
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 65976534
Conc: 25.20 ng/ml



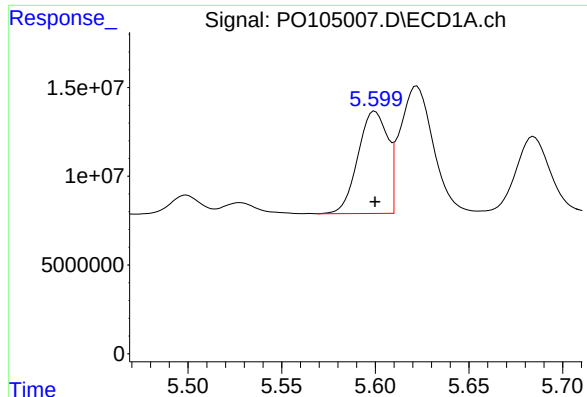
#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 136741968
Conc: 26.08 ng/ml



#2 Decachlorobiphenyl

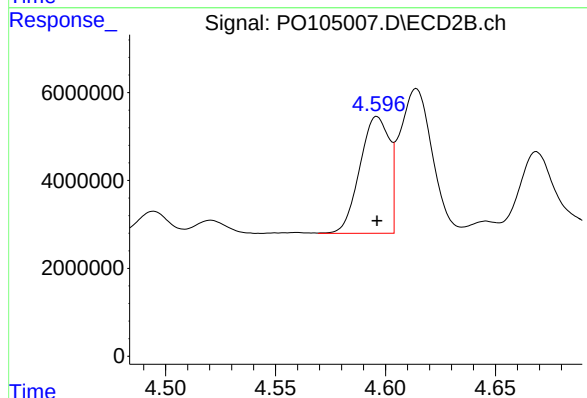
R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 42076886
Conc: 26.34 ng/ml



#3 AR-1016-1

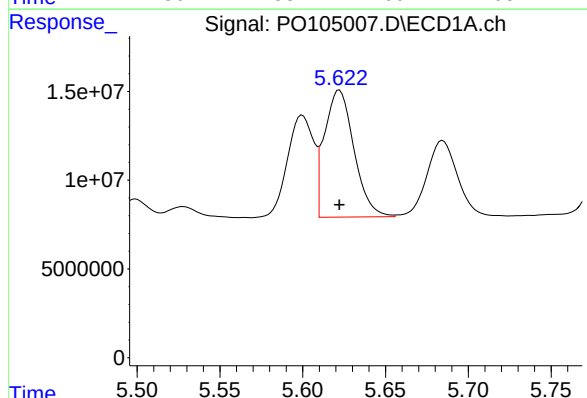
R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 63337285
Conc: 260.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



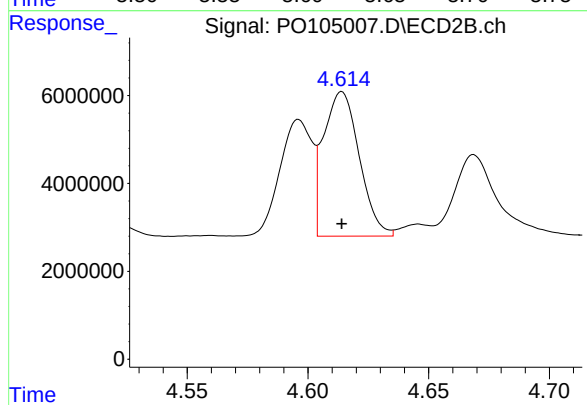
#3 AR-1016-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 24721569
Conc: 263.91 ng/ml



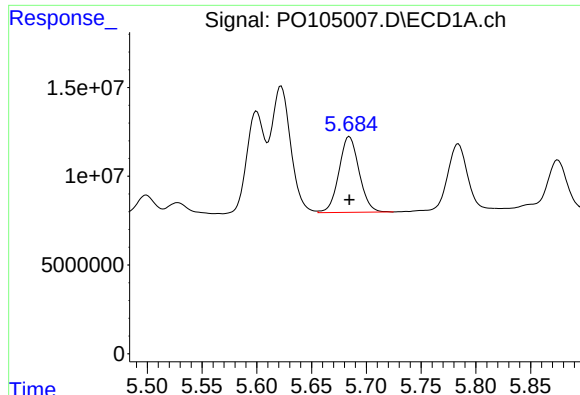
#4 AR-1016-2

R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 88509385
Conc: 257.60 ng/ml



#4 AR-1016-2

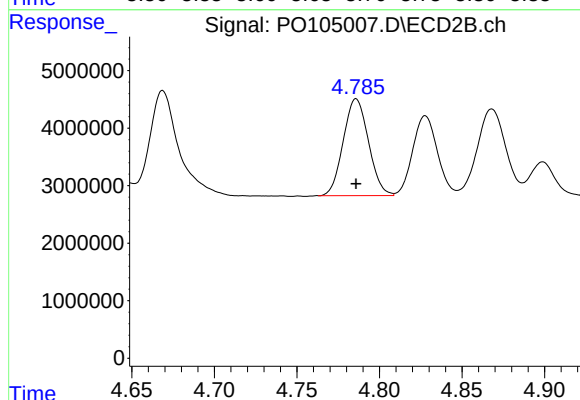
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 33882354
Conc: 258.94 ng/ml



#5 AR-1016-3

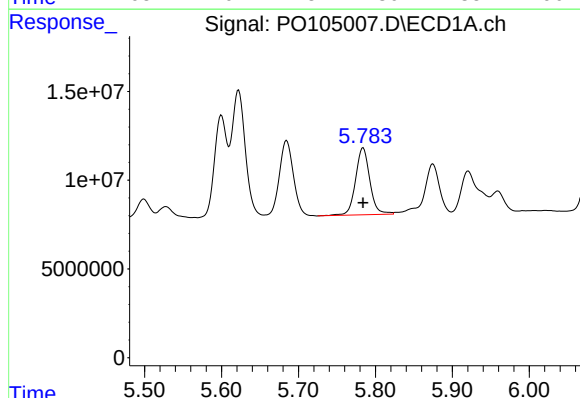
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 54799881
Conc: 263.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



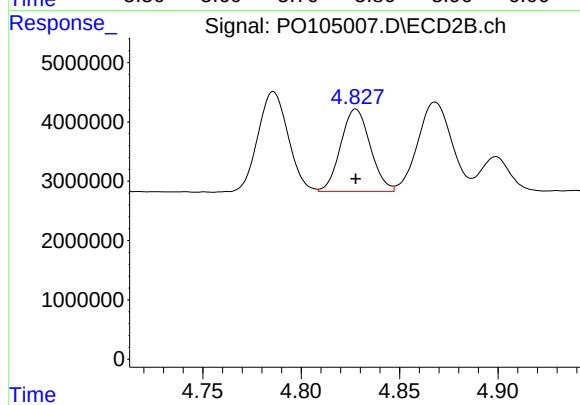
#5 AR-1016-3

R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 17918519
Conc: 259.75 ng/ml



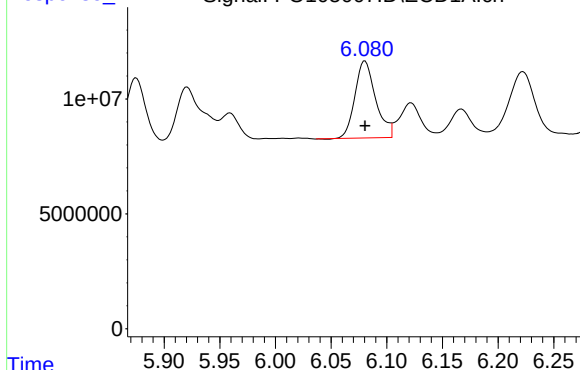
#6 AR-1016-4

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 48600658
Conc: 270.00 ng/ml



#6 AR-1016-4

R.T.: 4.828 min
Delta R.T.: 0.000 min
Response: 14482997
Conc: 265.62 ng/ml



R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 43478306
Conc: 260.28 ng/ml

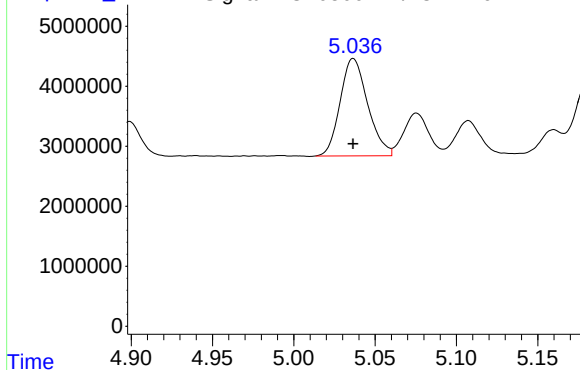
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Time

Response_

Signal: PO105007.D\ECD2B.ch

#7 AR-1016-5



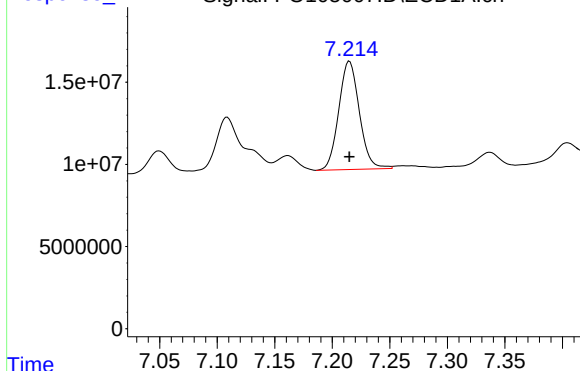
R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 19167792
Conc: 267.32 ng/ml

Time

Response_

Signal: PO105007.D\ECD1A.ch

#31 AR-1260-1



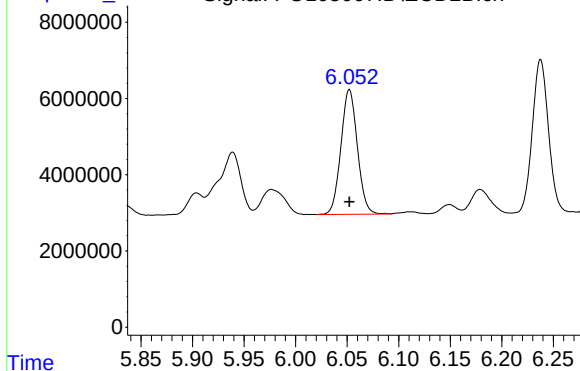
R.T.: 7.215 min
Delta R.T.: 0.000 min
Response: 82382300
Conc: 263.92 ng/ml

Time

Response_

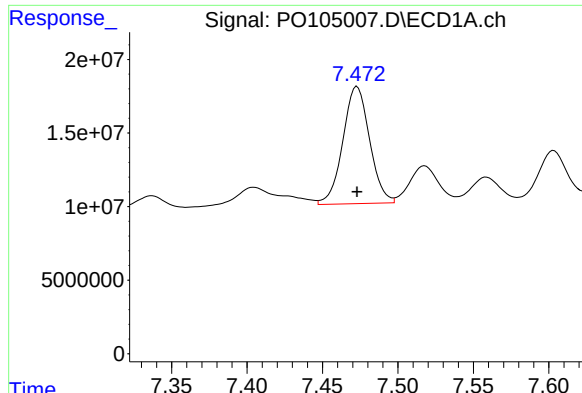
Signal: PO105007.D\ECD2B.ch

#31 AR-1260-1



R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 36367019
Conc: 266.73 ng/ml

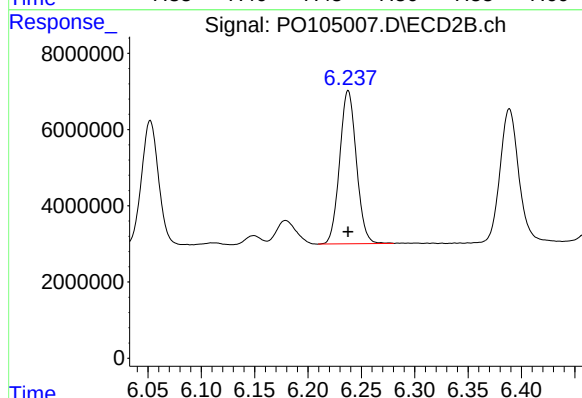
Time



#32 AR-1260-2

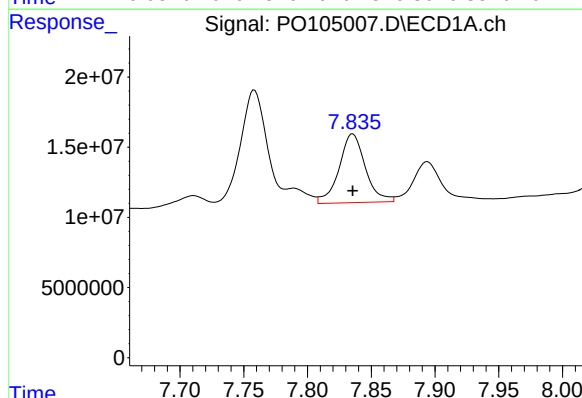
R.T.: 7.473 min
Delta R.T.: 0.000 min
Response: 98313665
Conc: 267.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



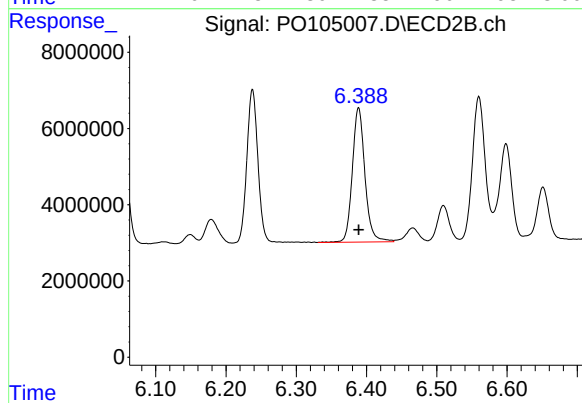
#32 AR-1260-2

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 43878525
Conc: 266.31 ng/ml



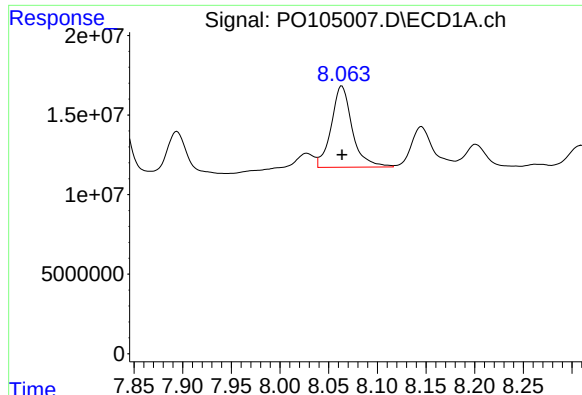
#33 AR-1260-3

R.T.: 7.835 min
Delta R.T.: 0.000 min
Response: 70422106
Conc: 274.30 ng/ml



#33 AR-1260-3

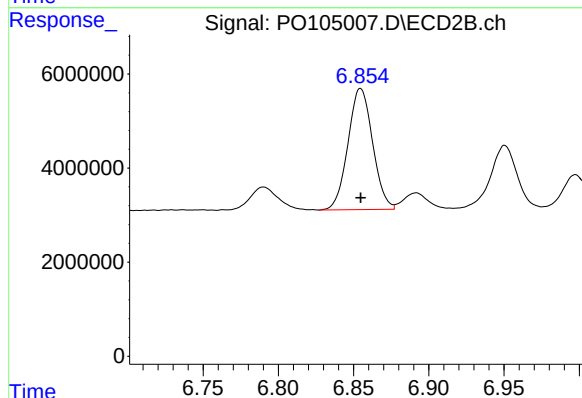
R.T.: 6.389 min
Delta R.T.: 0.000 min
Response: 43763627
Conc: 274.66 ng/ml



#34 AR-1260-4

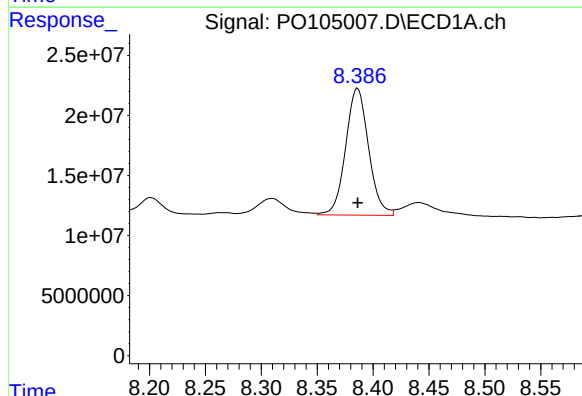
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 76767421
Conc: 265.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



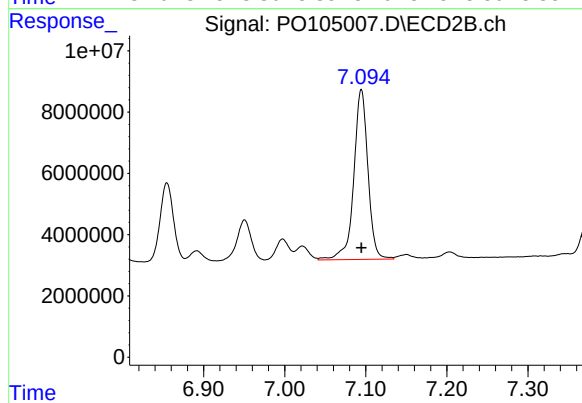
#34 AR-1260-4

R.T.: 6.855 min
Delta R.T.: 0.000 min
Response: 29347378
Conc: 265.28 ng/ml



#35 AR-1260-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 150891334
Conc: 265.23 ng/ml



#35 AR-1260-5

R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 67458760
Conc: 261.63 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 19:16
 Operator : YP/AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 04:41:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 04:40:51 2024
 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...	4.429	3.540	29772513	11343888	4.325	4.452
2) SA Decachlor...	10.219	8.435	23487610	7760046	4.575	4.885
Target Compounds						
3) L1 AR-1016-1	5.599	4.596	10821755	4508480	45.476	48.492
4) L1 AR-1016-2	5.622	4.614	15329420	6004830	45.598	46.658
5) L1 AR-1016-3	5.684	4.786	10185664	3131797	49.238	46.250
6) L1 AR-1016-4	5.783	4.828	9388522	2539854	52.448m	47.227
7) L1 AR-1016-5	6.080	5.036	7279695	3400567	44.729	47.919
31) L7 AR-1260-1	7.216	6.052	16950348	6780043	53.384	49.781
32) L7 AR-1260-2	7.473	6.238	17315847	9112676	47.614	54.158
33) L7 AR-1260-3	7.835	6.389	12755834	10296486	49.129m	60.612m
34) L7 AR-1260-4	8.064	6.854	13418905	5252433	48.253m	47.963
35) L7 AR-1260-5	8.386	7.094	25958001	12336050	45.938m	48.260

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 19:16
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

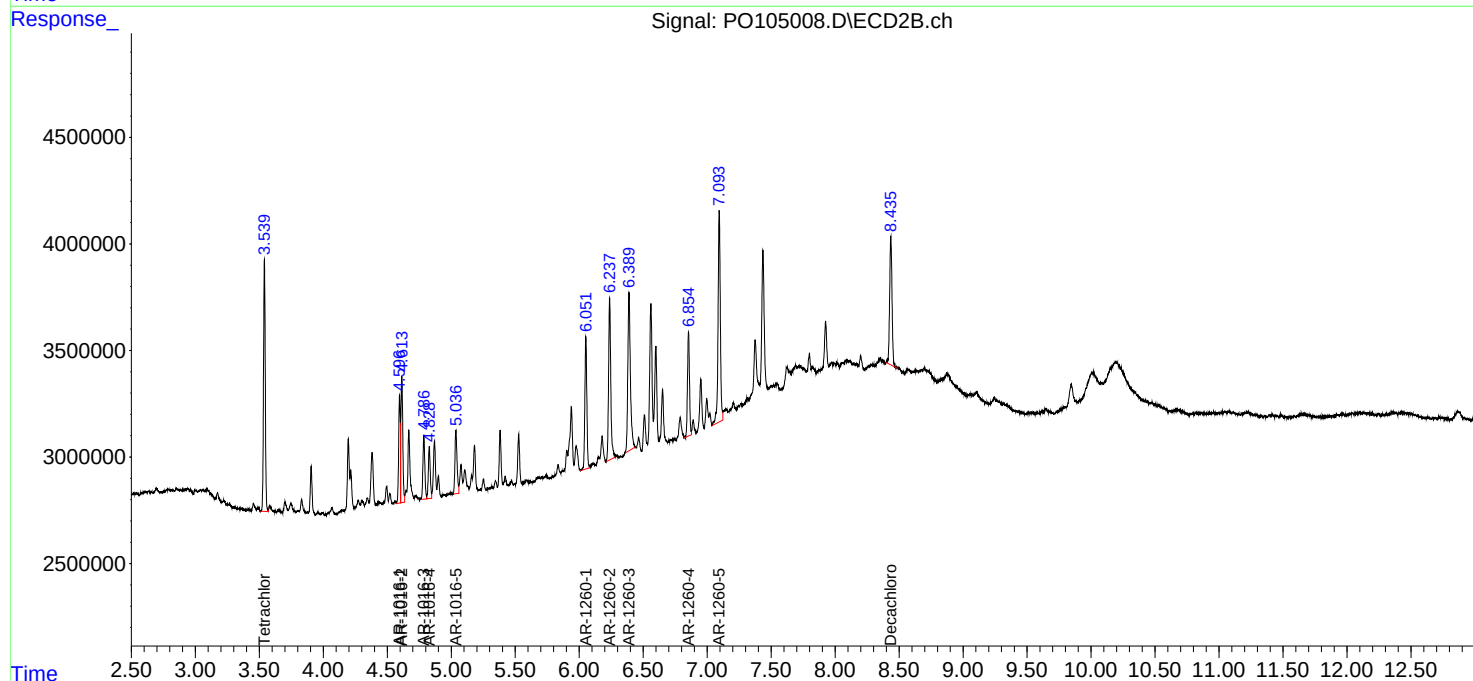
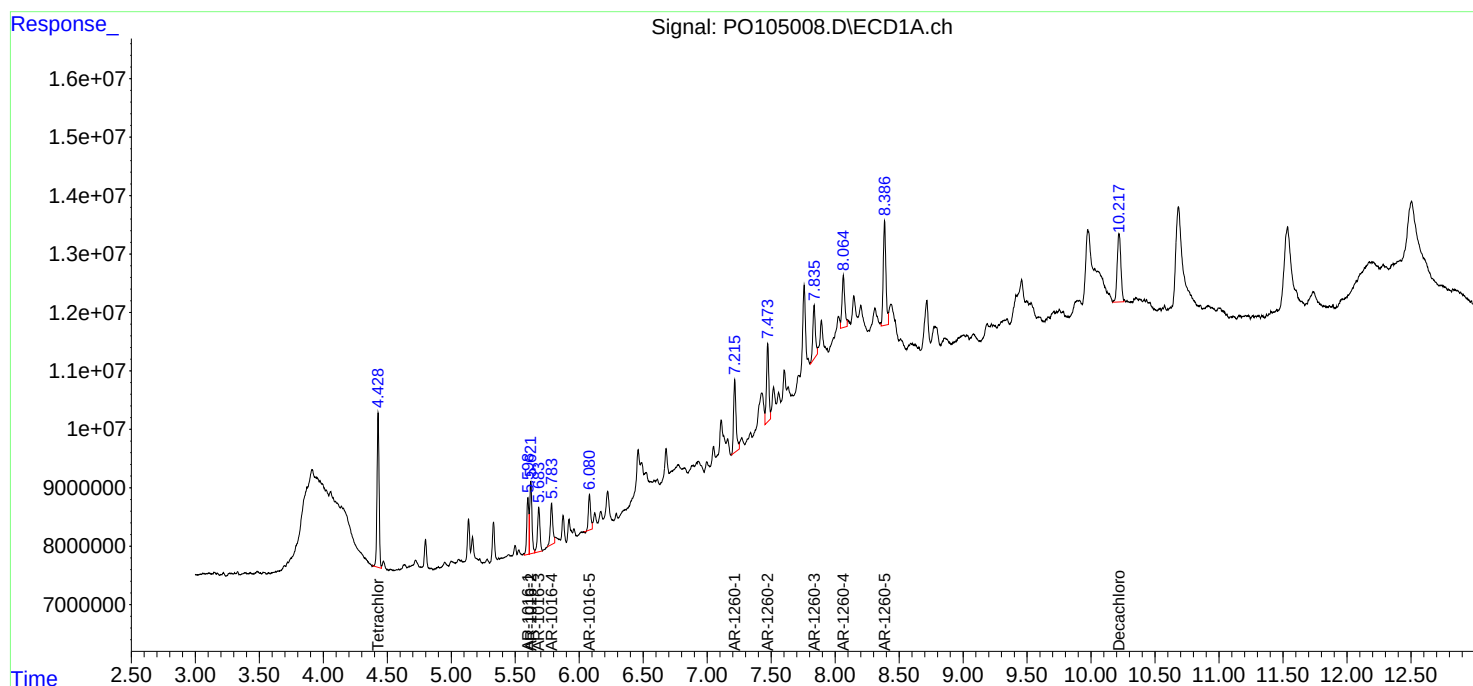
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

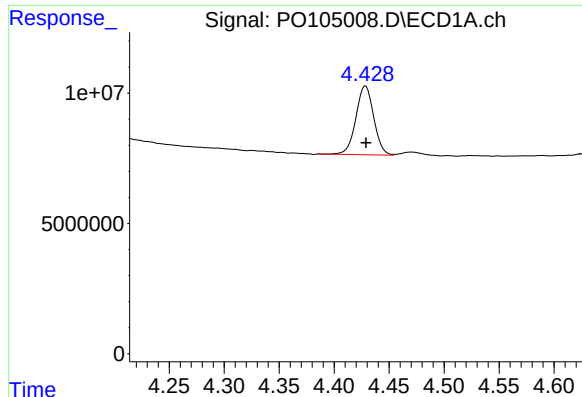
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 04:41:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 04:40:51 2024
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





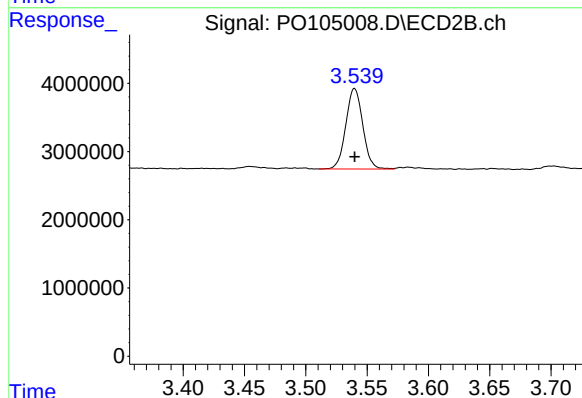
#1 Tetrachloro-m-xylene

R.T.: 4.429 min
Delta R.T.: 0.000 min
Response: 29772513
Conc: 4.32 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

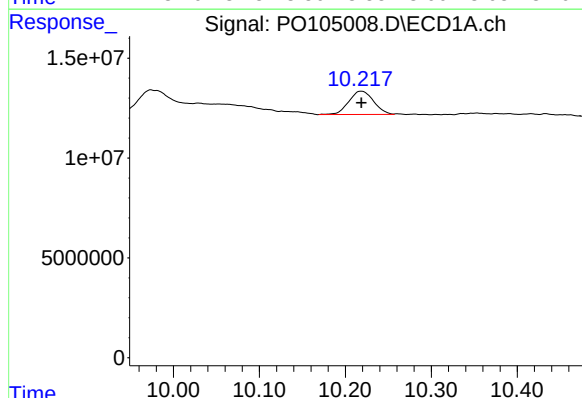
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



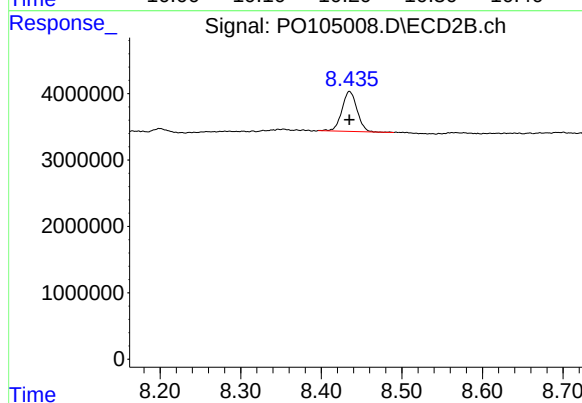
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 11343888
Conc: 4.45 ng/ml



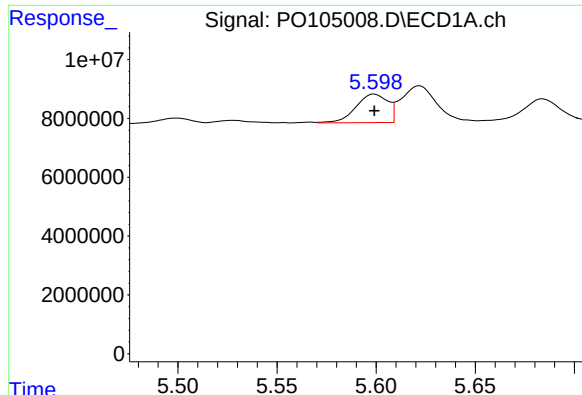
#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 23487610
Conc: 4.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 7760046
Conc: 4.89 ng/ml



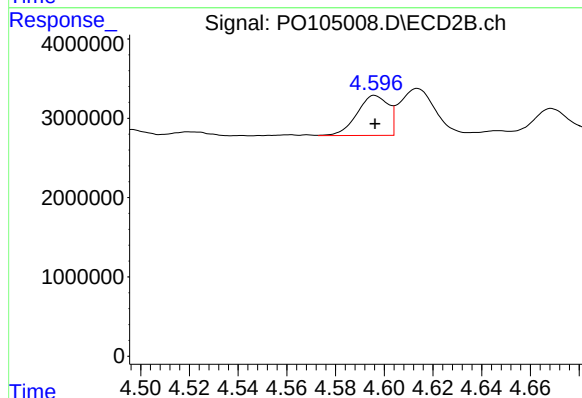
#3 AR-1016-1

R.T.: 5.599 min
Delta R.T.: 0.000 min
Response: 10821755
Conc: 45.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

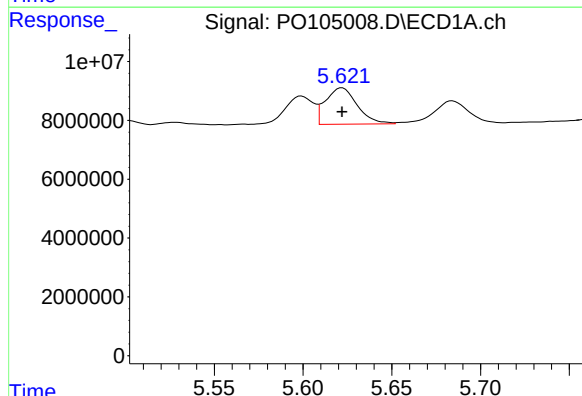
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



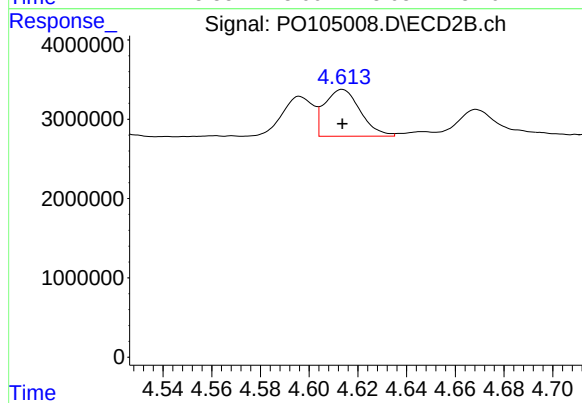
#3 AR-1016-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 4508480
Conc: 48.49 ng/ml



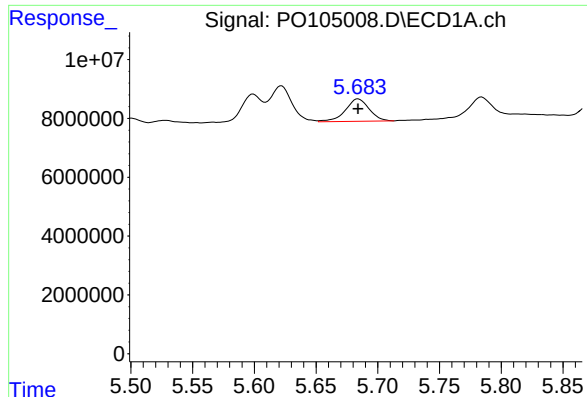
#4 AR-1016-2

R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 15329420
Conc: 45.60 ng/ml



#4 AR-1016-2

R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 6004830
Conc: 46.66 ng/ml



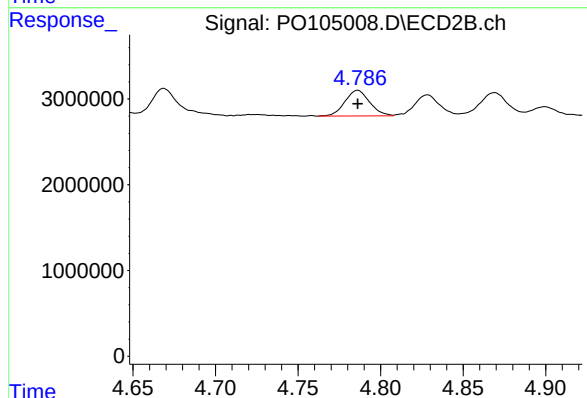
#5 AR-1016-3

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 10185664
Conc: 49.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

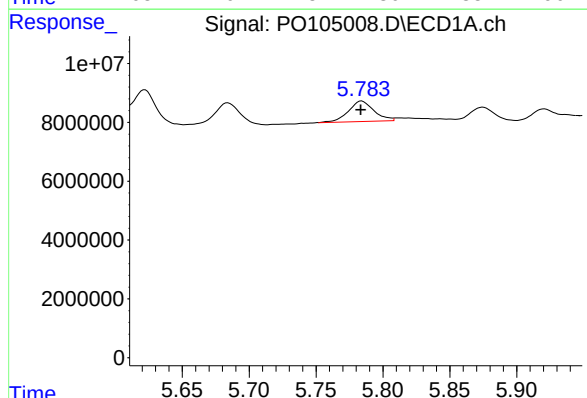
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



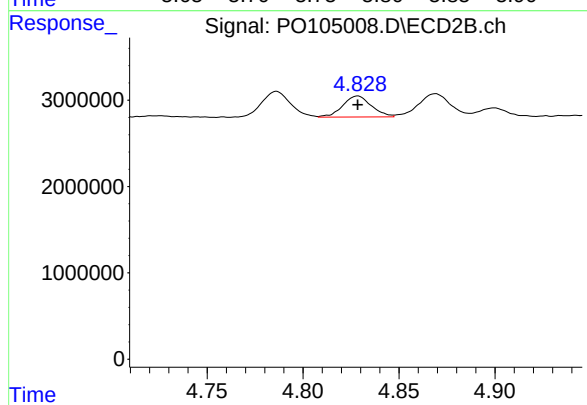
#5 AR-1016-3

R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 3131797
Conc: 46.25 ng/ml



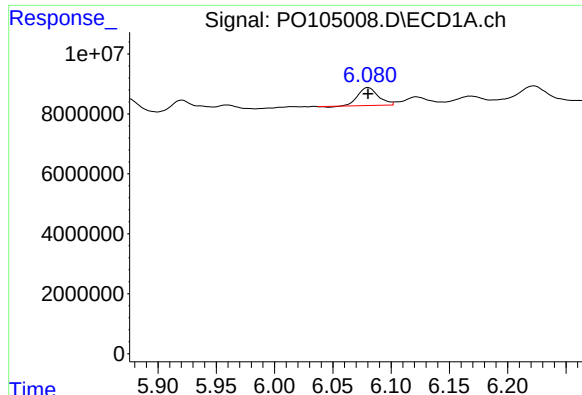
#6 AR-1016-4

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 9388522
Conc: 52.45 ng/ml m



#6 AR-1016-4

R.T.: 4.828 min
Delta R.T.: 0.000 min
Response: 2539854
Conc: 47.23 ng/ml



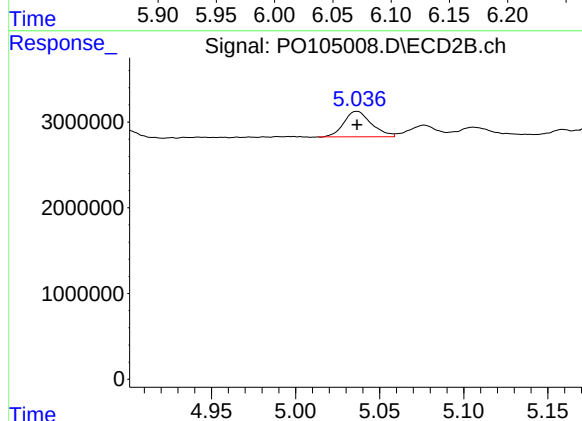
#7 AR-1016-5

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 7279695
Conc: 44.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

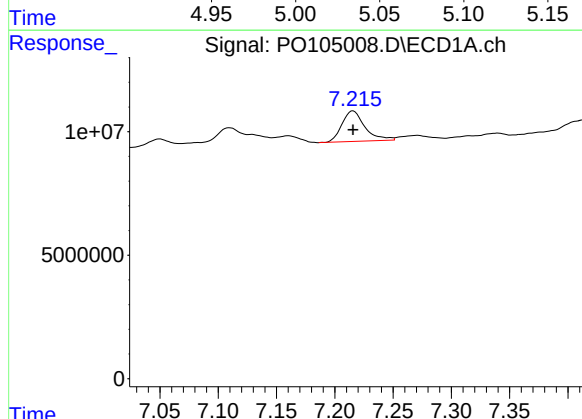
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



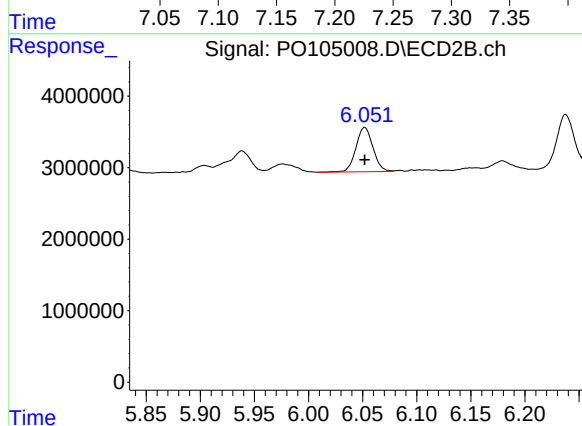
#7 AR-1016-5

R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 3400567
Conc: 47.92 ng/ml



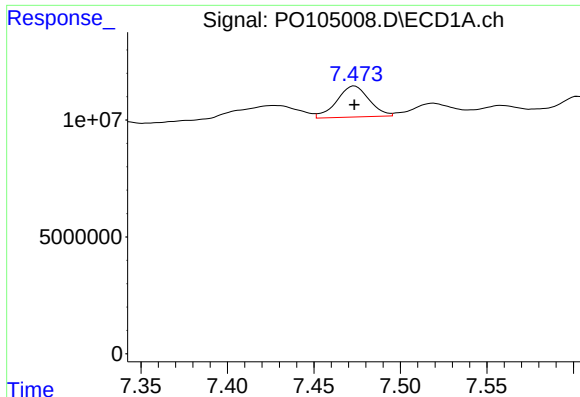
#31 AR-1260-1

R.T.: 7.216 min
Delta R.T.: 0.000 min
Response: 16950348
Conc: 53.38 ng/ml



#31 AR-1260-1

R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 6780043
Conc: 49.78 ng/ml



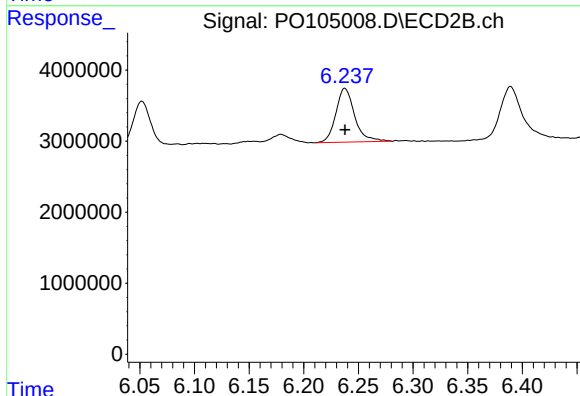
#32 AR-1260-2

R.T.: 7.473 min
Delta R.T.: 0.000 min
Response: 17315847
Conc: 47.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

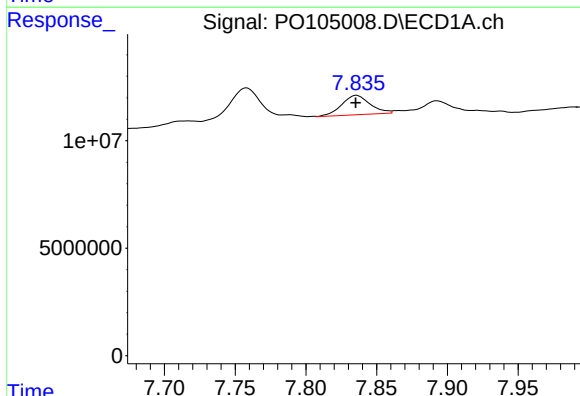
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



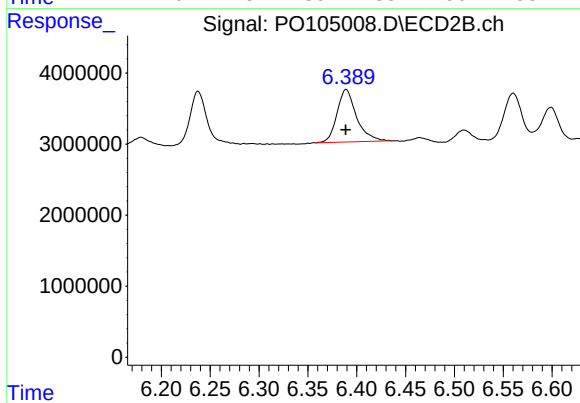
#32 AR-1260-2

R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 9112676
Conc: 54.16 ng/ml



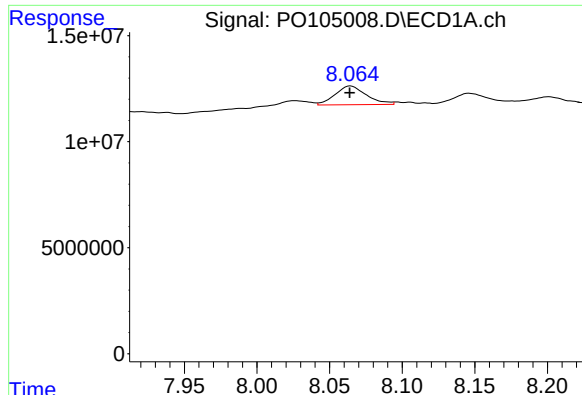
#33 AR-1260-3

R.T.: 7.835 min
Delta R.T.: 0.000 min
Response: 12755834
Conc: 49.13 ng/ml m



#33 AR-1260-3

R.T.: 6.389 min
Delta R.T.: 0.000 min
Response: 10296486
Conc: 60.61 ng/ml m



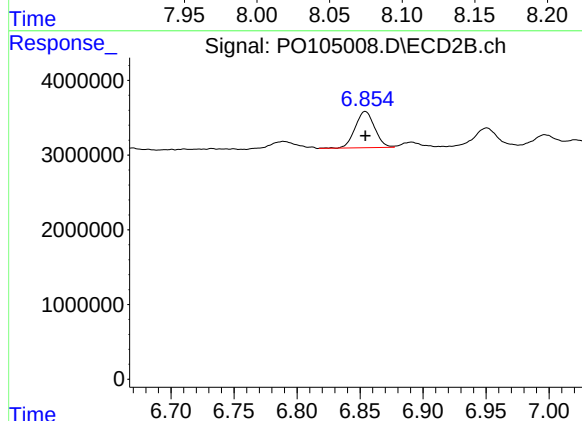
#34 AR-1260-4

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 13418905
Conc: 48.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

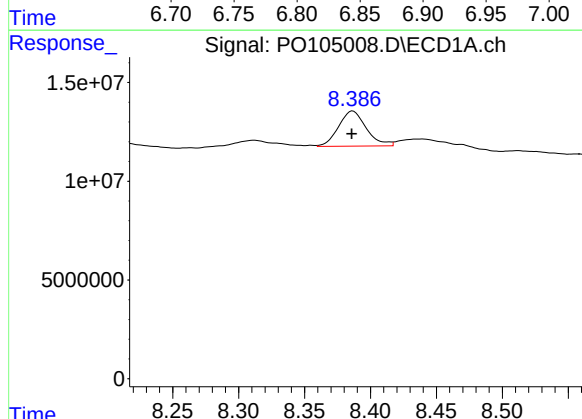
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



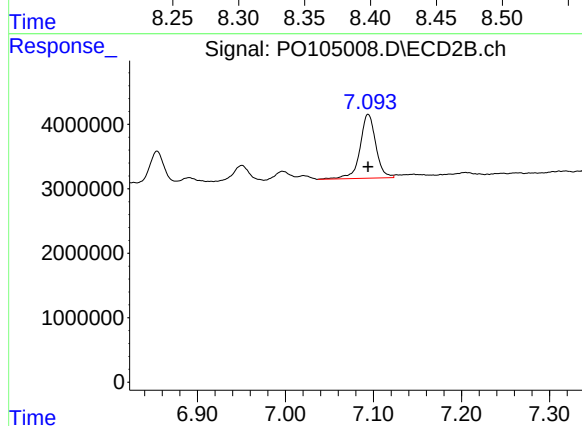
#34 AR-1260-4

R.T.: 6.854 min
Delta R.T.: 0.000 min
Response: 5252433
Conc: 47.96 ng/ml



#35 AR-1260-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 25958001
Conc: 45.94 ng/ml m



#35 AR-1260-5

R.T.: 7.094 min
Delta R.T.: 0.000 min
Response: 12336050
Conc: 48.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 19:34
 Operator : YP/AJ
 Sample : AR1221ICC500
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1221ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 04:48:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 04:48:05 2024
 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...	4.429	3.540	374.7E6	134.7E6	50.000	50.000
2) SA Decachlor...	10.220	8.435	268.5E6	81773816	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	4.636	3.748	45882373	16322440	500.000	500.000
9) L2 AR-1221-2	4.722	3.831	35837695	12595145	500.000	500.000
10) L2 AR-1221-3	4.799	3.905	100.7E6	37632955	500.000	500.000

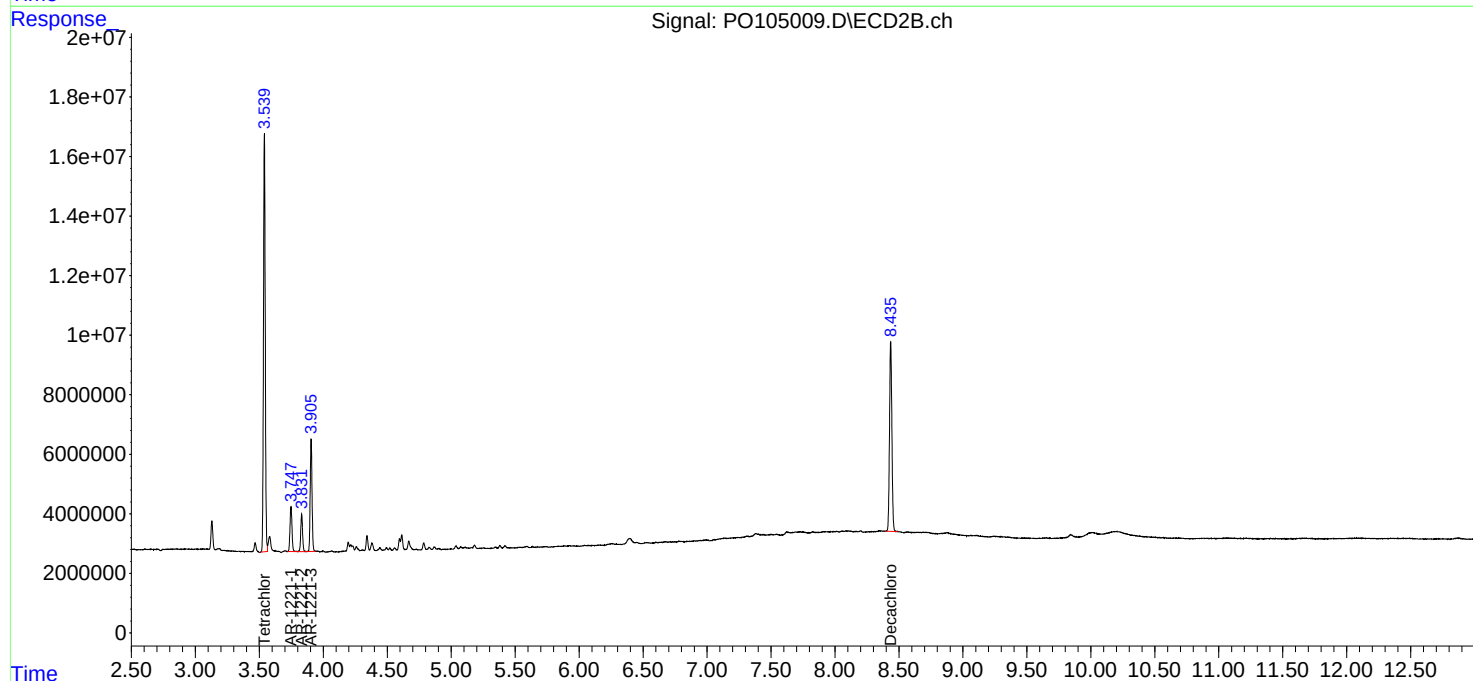
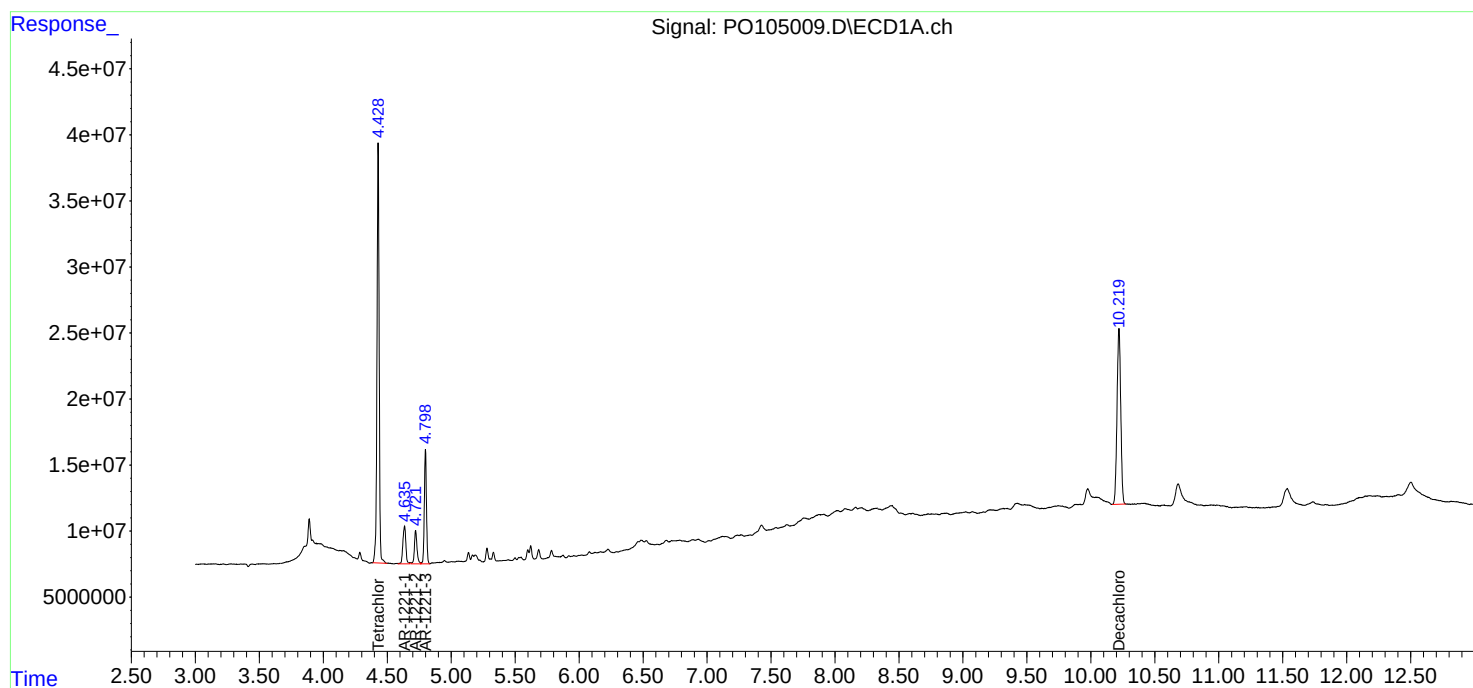
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
Data File : P0105009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 19:34
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 04:48:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 04:48:05 2024
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



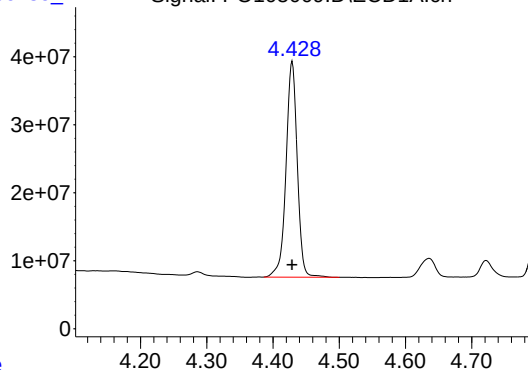
Response_

Signal: PO105009.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.429 min
Delta R.T.: 0.000 min
Response: 374680838
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



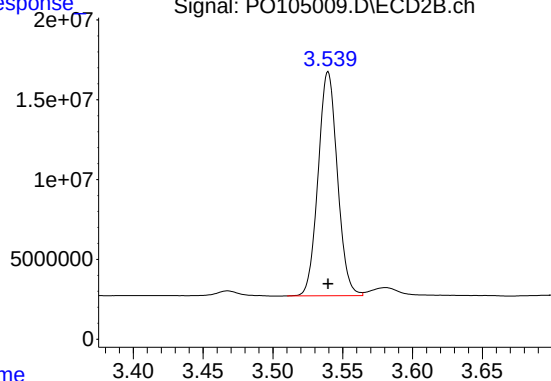
Time

Response

Signal: PO105009.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 134690466
Conc: 50.00 ng/ml



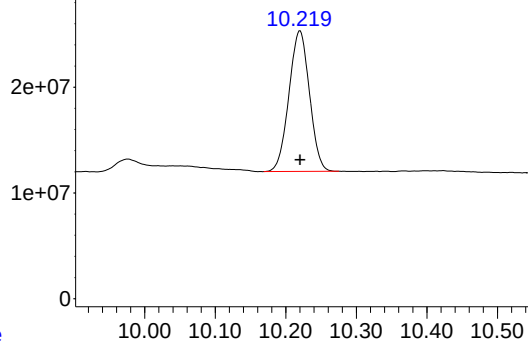
Time

Response

Signal: PO105009.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 268522982
Conc: 50.00 ng/ml



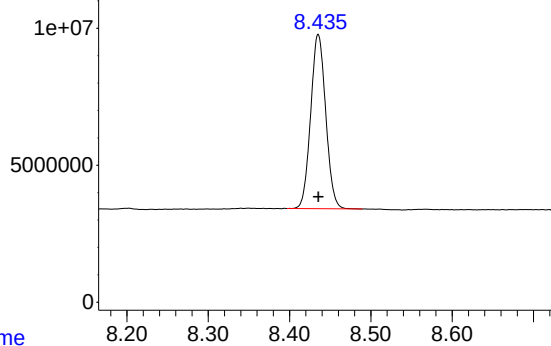
Time

Response_

Signal: PO105009.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 81773816
Conc: 50.00 ng/ml



Time

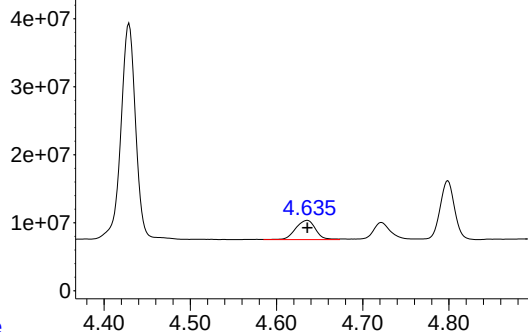
Response_

Signal: PO105009.D\ECD1A.ch

#8 AR-1221-1

R.T.: 4.636 min
Delta R.T.: 0.000 min
Response: 45882373
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



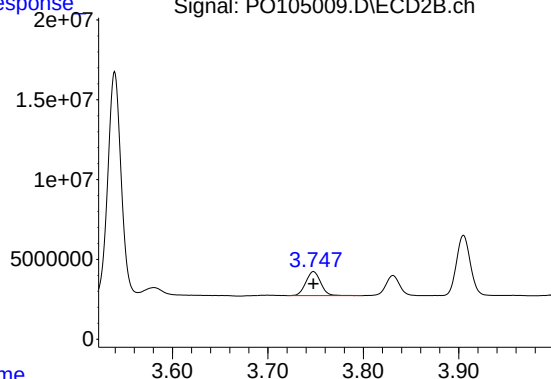
Time

Response

Signal: PO105009.D\ECD2B.ch

#8 AR-1221-1

R.T.: 3.748 min
Delta R.T.: 0.000 min
Response: 16322440
Conc: 500.00 ng/ml



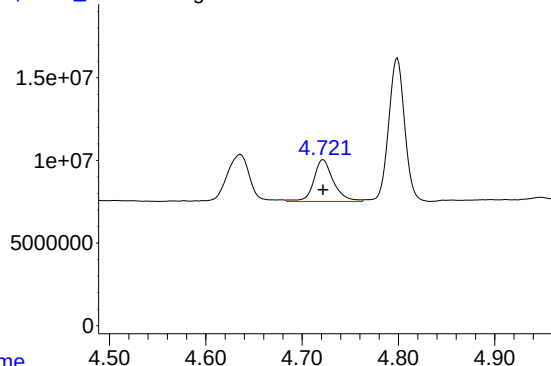
Time

Response_

Signal: PO105009.D\ECD1A.ch

#9 AR-1221-2

R.T.: 4.722 min
Delta R.T.: 0.000 min
Response: 35837695
Conc: 500.00 ng/ml



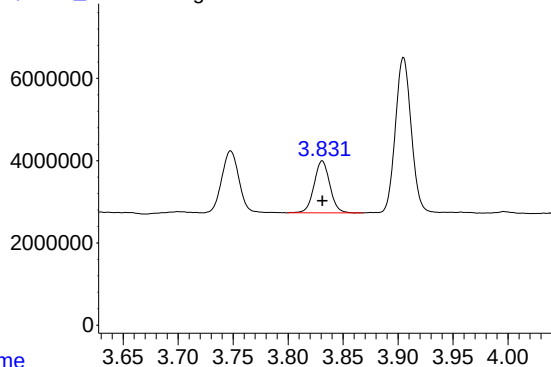
Time

Response_

Signal: PO105009.D\ECD2B.ch

#9 AR-1221-2

R.T.: 3.831 min
Delta R.T.: 0.000 min
Response: 12595145
Conc: 500.00 ng/ml



Time

Response_

Signal: PO105009.D\ECD1A.ch

#10 AR-1221-3

R.T.: 4.799 min

Delta R.T.: 0.000 min

Response: 100661339

Conc: 500.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1221ICC500

1.5e+07

1e+07

5000000

0

4.798

+

Time

4.60 4.65 4.70 4.75 4.80 4.85 4.90 4.95

Response_

Signal: PO105009.D\ECD2B.ch

#10 AR-1221-3

R.T.: 3.905 min

Delta R.T.: 0.000 min

Response: 37632955

Conc: 500.00 ng/ml

6000000

4000000

2000000

0

3.905

+

Time

3.70 3.75 3.80 3.85 3.90 3.95 4.00 4.05 4.10

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 19:51
 Operator : YP/AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 04:53:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 04:53:03 2024
 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...	4.429	3.540	381.1E6	138.0E6	50.000	50.000
2) SA Decachlor...	10.220	8.436	275.1E6	84584614	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.798	3.905	82099313	30852634	500.000	500.000
12) L3 AR-1232-2	5.330	4.614	41351234	30435532	500.000	500.000
13) L3 AR-1232-3	5.621	4.786	78567836	15913337	500.000	500.000
14) L3 AR-1232-4	5.783	4.869	43105353	14359214	500.000	500.000
15) L3 AR-1232-5	5.874	5.036	28635259	15567233	500.000	500.000

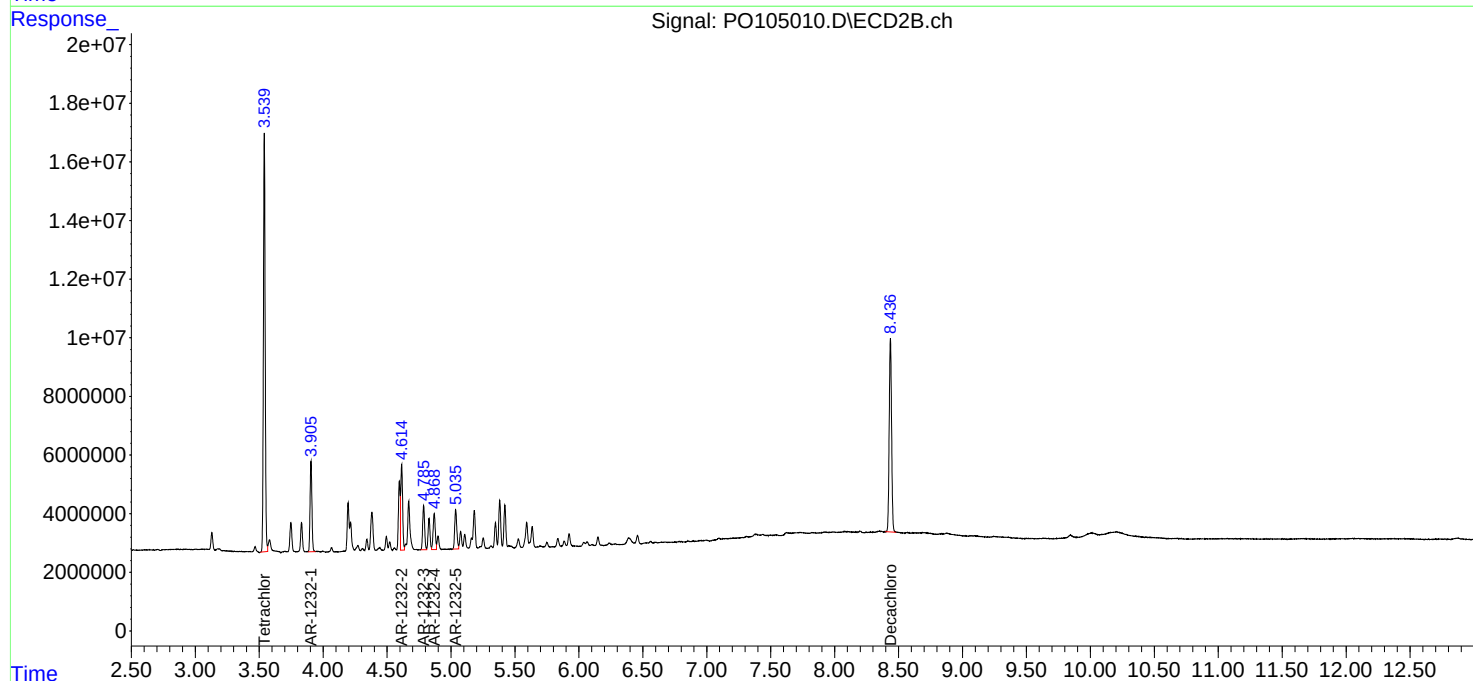
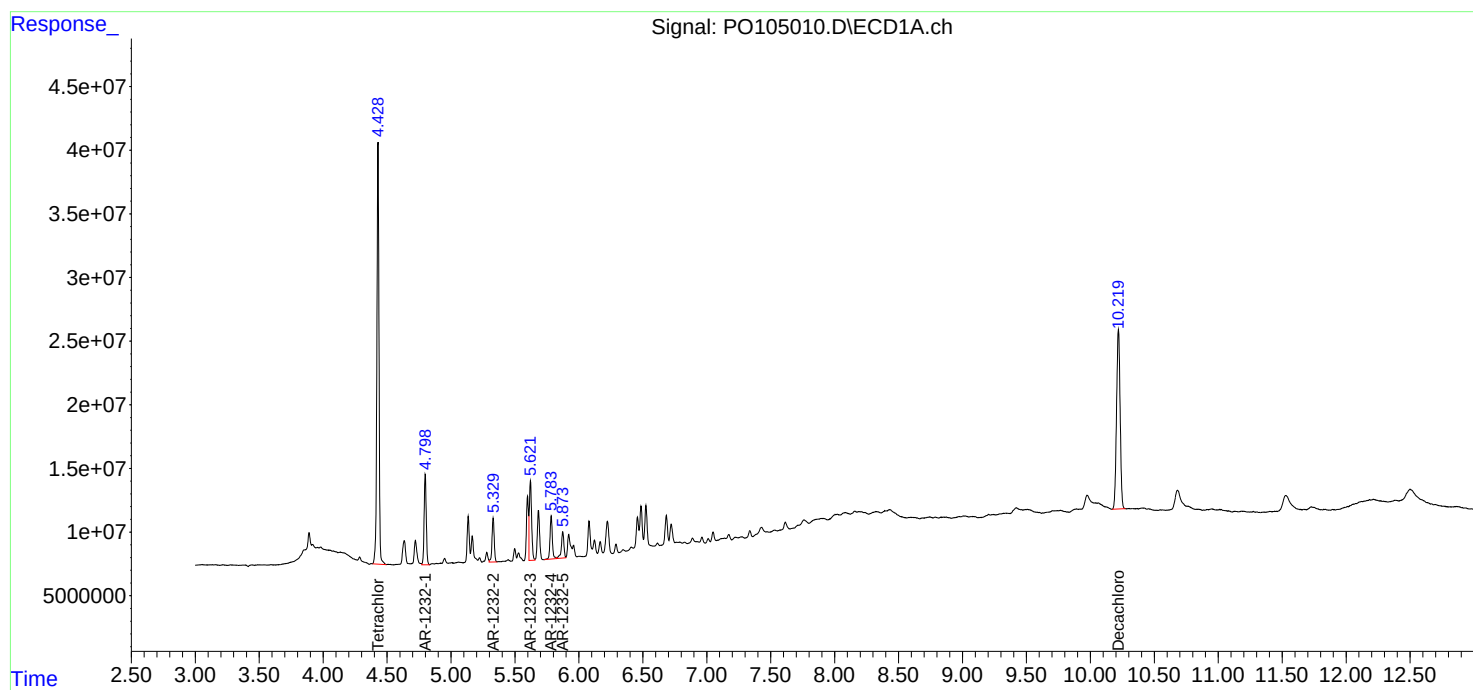
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 19:51
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 04:53:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 04:53:03 2024
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



Response_

Signal: PO105010.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.429 min

Delta R.T.: 0.000 min

Response: 381083602

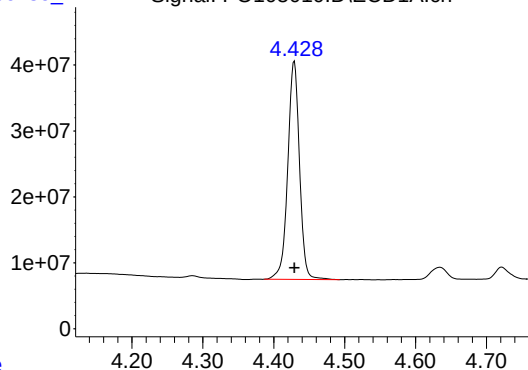
Conc: 50.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1232ICC500



Time

Response

Signal: PO105010.D\ECD2B.ch

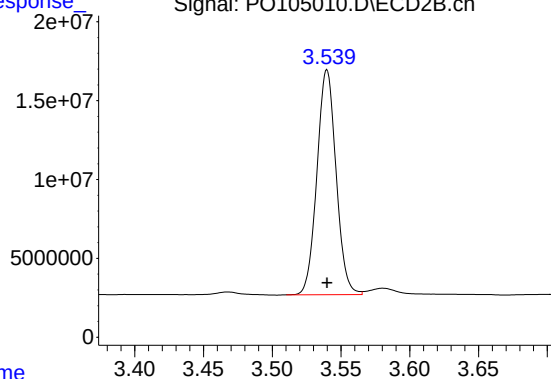
#1 Tetrachloro-m-xylene

R.T.: 3.540 min

Delta R.T.: 0.000 min

Response: 137997416

Conc: 50.00 ng/ml



Time

Response

Signal: PO105010.D\ECD1A.ch

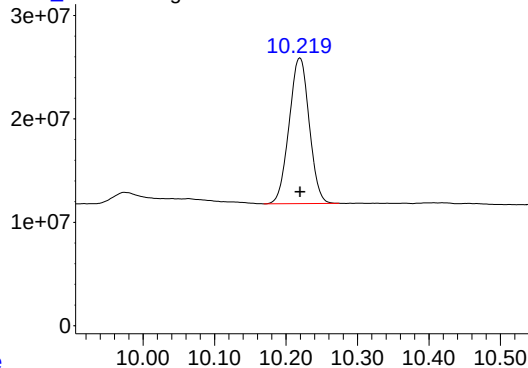
#2 Decachlorobiphenyl

R.T.: 10.220 min

Delta R.T.: 0.000 min

Response: 275058335

Conc: 50.00 ng/ml



Time

Response

Signal: PO105010.D\ECD2B.ch

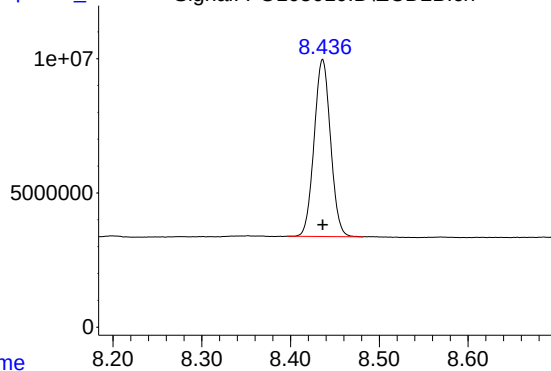
#2 Decachlorobiphenyl

R.T.: 8.436 min

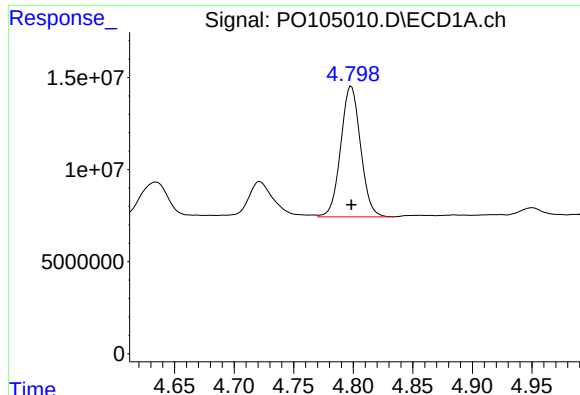
Delta R.T.: 0.000 min

Response: 84584614

Conc: 50.00 ng/ml



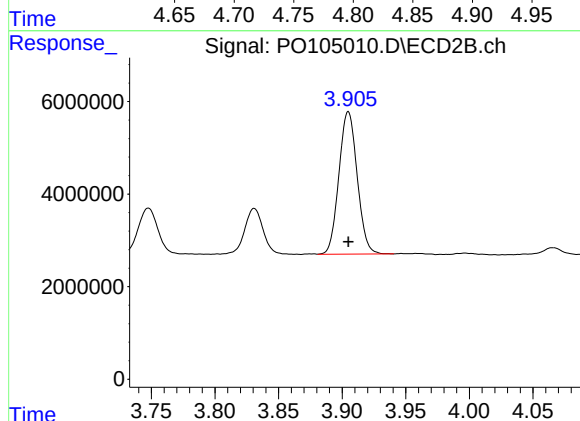
Time



#11 AR-1232-1

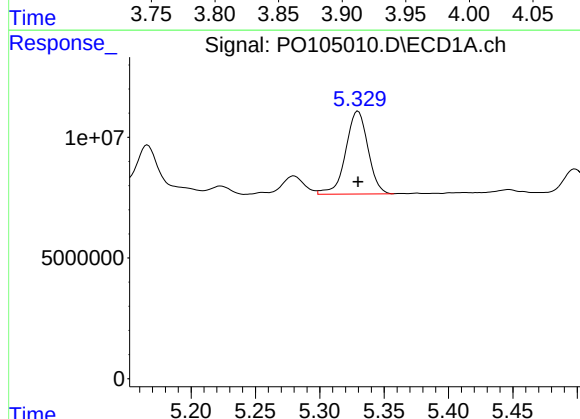
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 82099313
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



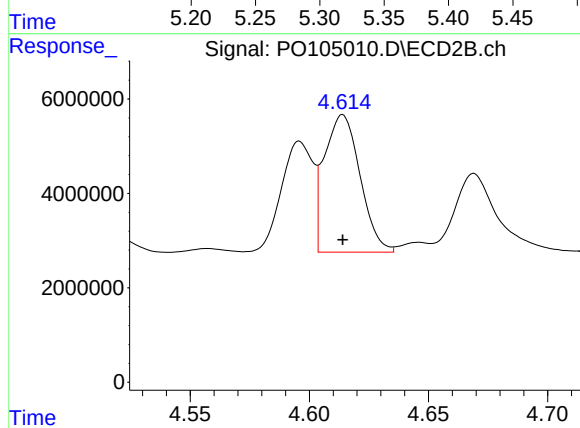
#11 AR-1232-1

R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 30852634
Conc: 500.00 ng/ml



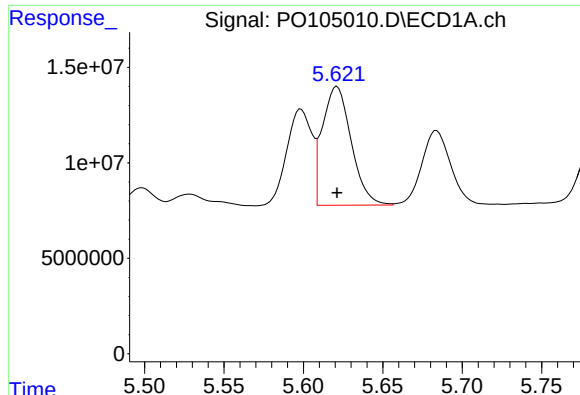
#12 AR-1232-2

R.T.: 5.330 min
Delta R.T.: 0.000 min
Response: 41351234
Conc: 500.00 ng/ml



#12 AR-1232-2

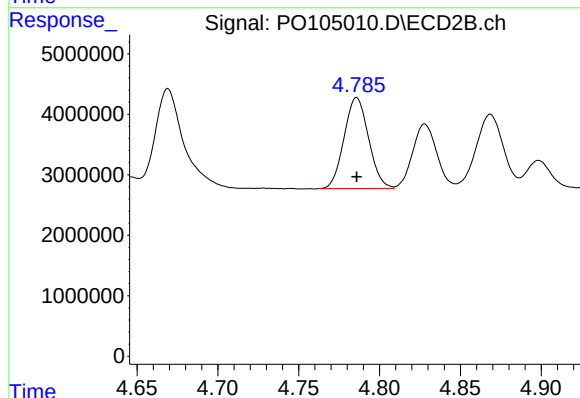
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 30435532
Conc: 500.00 ng/ml



#13 AR-1232-3

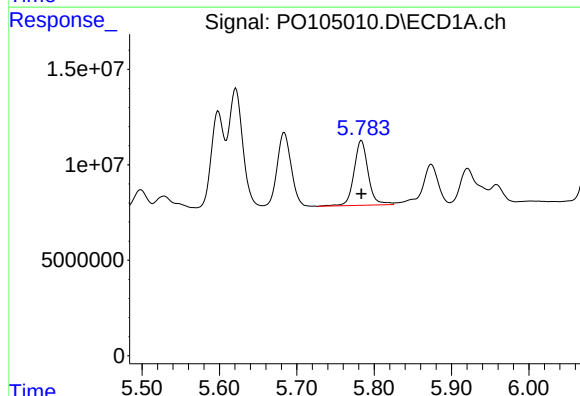
R.T.: 5.621 min
Delta R.T.: 0.000 min
Response: 78567836
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



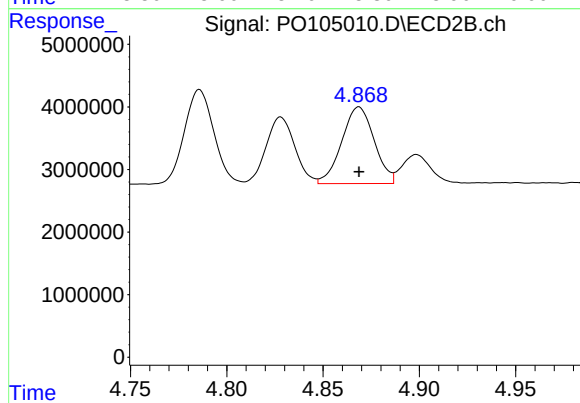
#13 AR-1232-3

R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 15913337
Conc: 500.00 ng/ml



#14 AR-1232-4

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 43105353
Conc: 500.00 ng/ml



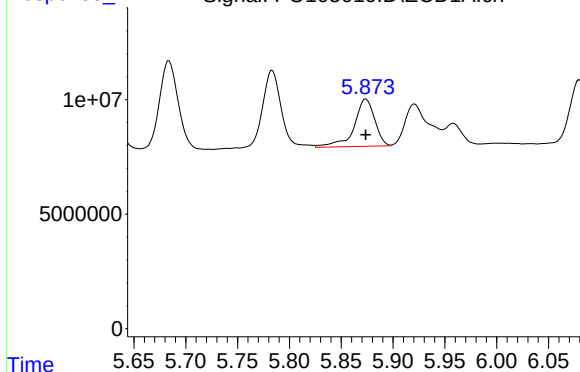
#14 AR-1232-4

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 14359214
Conc: 500.00 ng/ml

Response_

Signal: PO105010.D\ECD1A.ch

#15 AR-1232-5



R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 28635259
Conc: 500.00 ng/ml

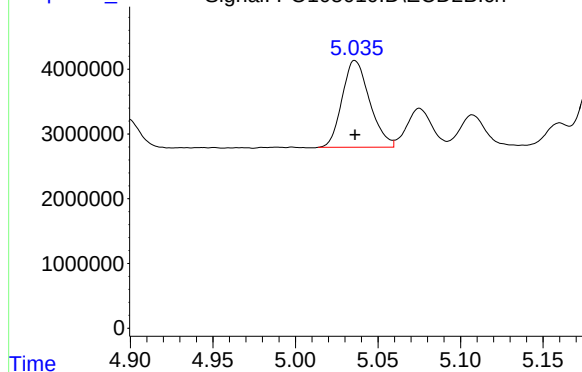
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Time

Response_

Signal: PO105010.D\ECD2B.ch

#15 AR-1232-5



R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 15567233
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 20:08
 Operator : YP/AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 05:13:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 05:13:34 2024
 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...	4.429	3.540	723.8E6	268.6E6	97.290	97.724
2) SA Decachlor...	10.218	8.435	521.1E6	157.9E6	96.844	95.651
Target Compounds						
16) L4 AR-1242-1	5.599	4.596	189.3E6	73393349	961.197	955.891
17) L4 AR-1242-2	5.622	4.614	268.5E6	102.5E6	966.091	968.145
18) L4 AR-1242-3	5.684	4.786	161.9E6	54177061	962.220	959.931
19) L4 AR-1242-4	5.784	4.869	137.6E6	53832379	949.557	953.041
20) L4 AR-1242-5	6.525	5.381	148.7E6	69234122	933.089	960.735

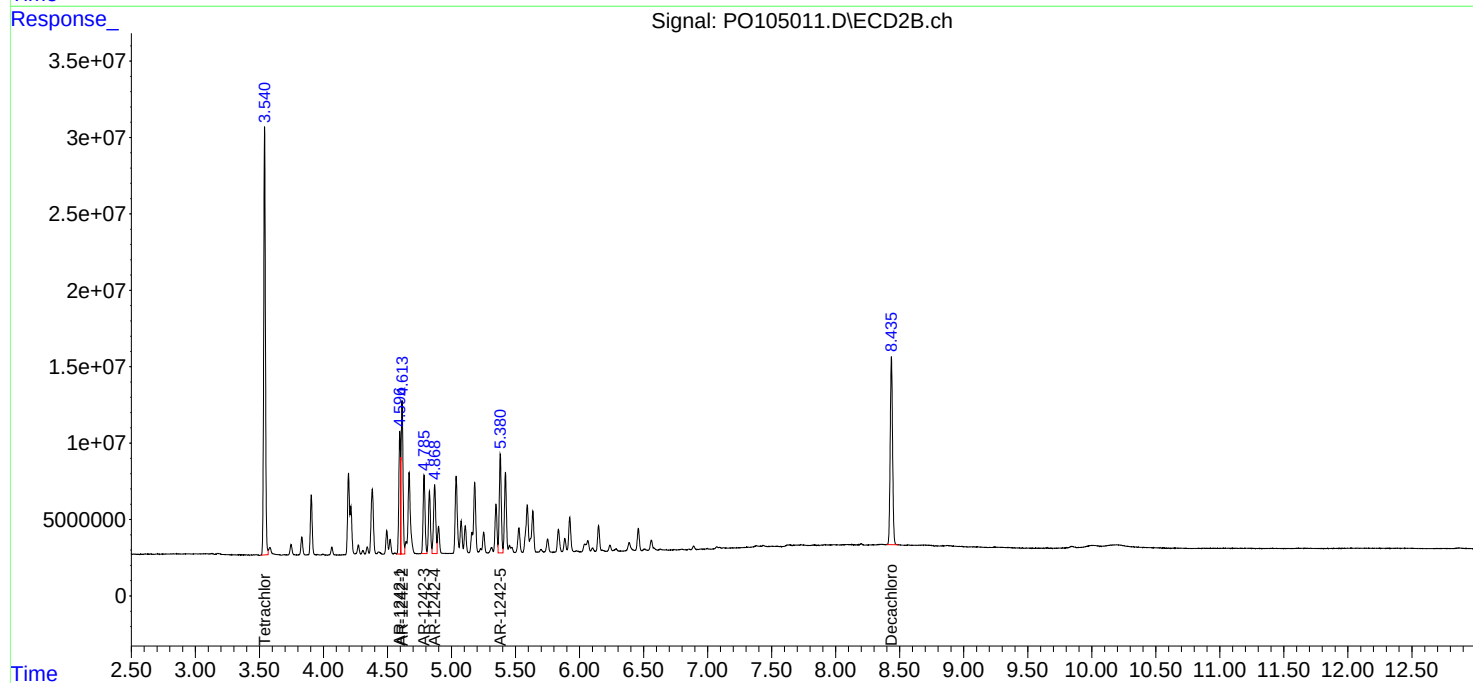
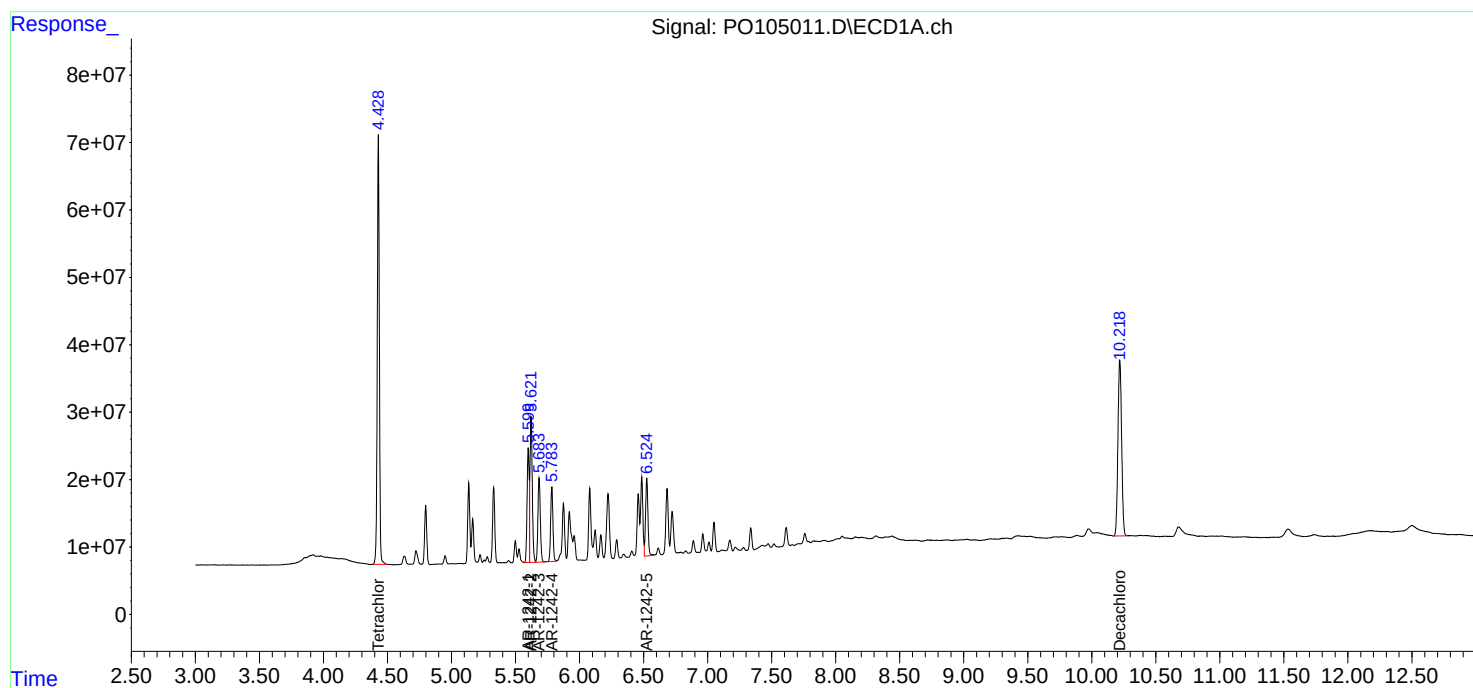
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

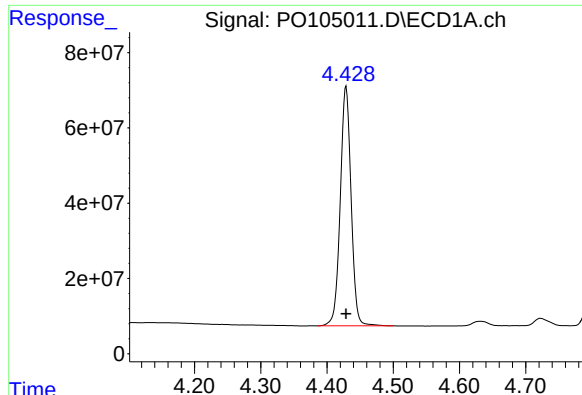
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 20:08
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:13:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:13:34 2024
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

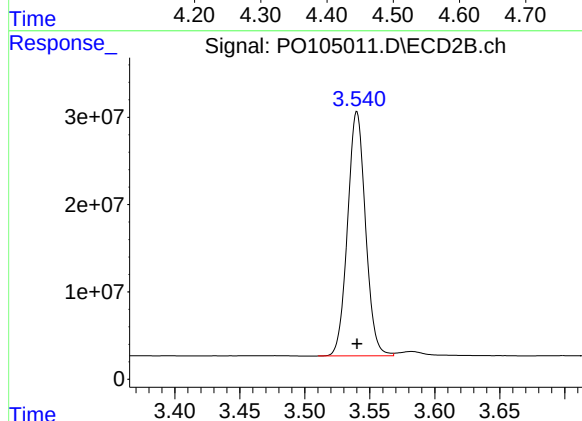




#1 Tetrachloro-m-xylene

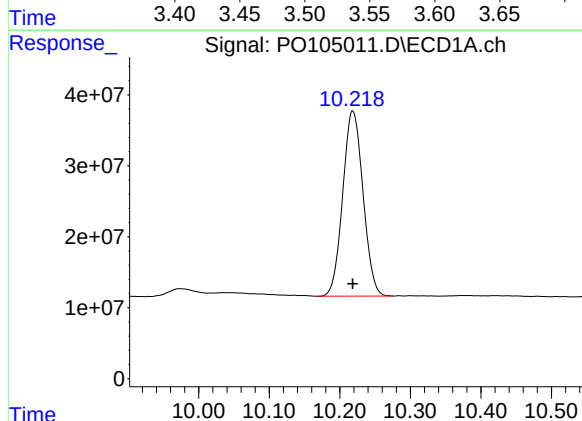
R.T.: 4.429 min
Delta R.T.: 0.000 min
Response: 723844311
Conc: 97.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



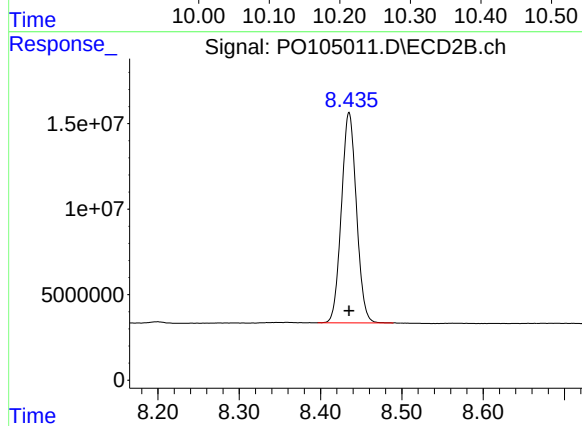
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 268576240
Conc: 97.72 ng/ml



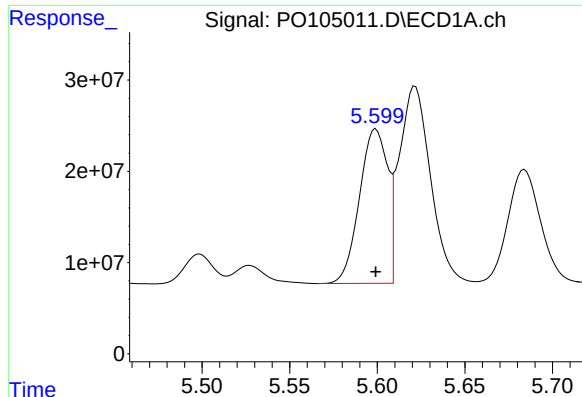
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 521114609
Conc: 96.84 ng/ml



#2 Decachlorobiphenyl

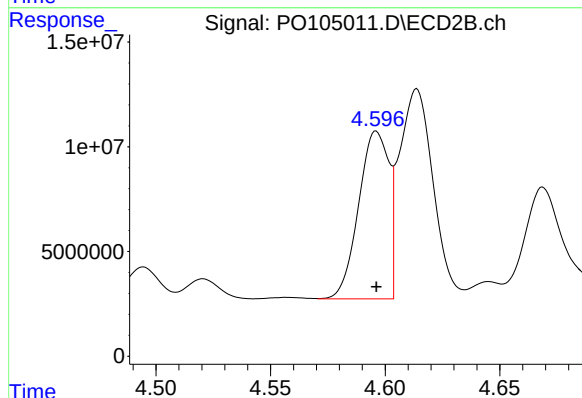
R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 157874508
Conc: 95.65 ng/ml



#16 AR-1242-1

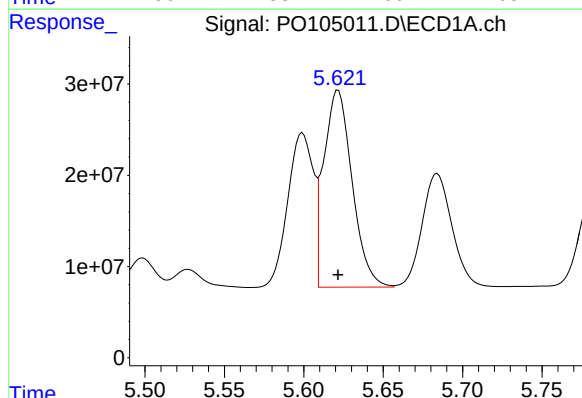
R.T.: 5.599 min
Delta R.T.: 0.000 min
Response: 189290802
Conc: 961.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



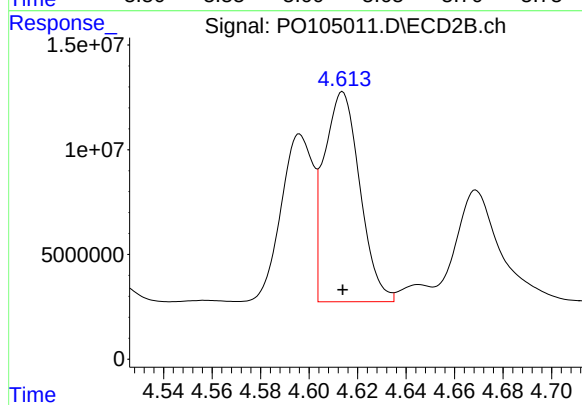
#16 AR-1242-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 73393349
Conc: 955.89 ng/ml



#17 AR-1242-2

R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 268484134
Conc: 966.09 ng/ml



#17 AR-1242-2

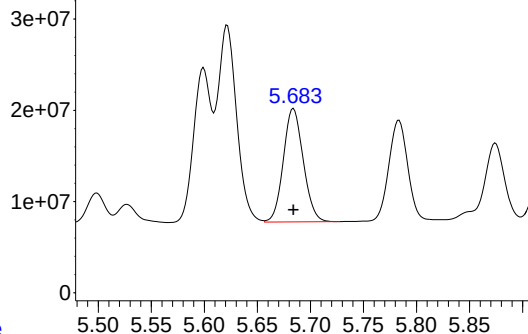
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 102545942
Conc: 968.15 ng/ml

Response_

Signal: PO105011.D\ECD1A.ch

#18 AR-1242-3

ICAL Form



R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 161905848
Conc: 962.22 ng/ml

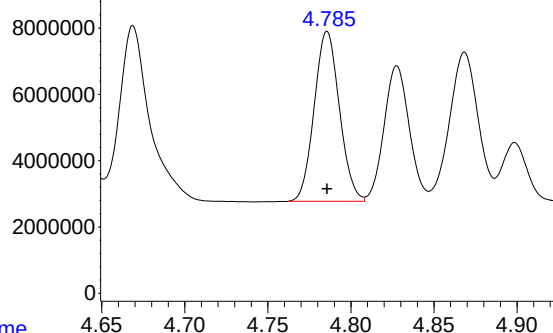
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Time

Response_

Signal: PO105011.D\ECD2B.ch

#18 AR-1242-3



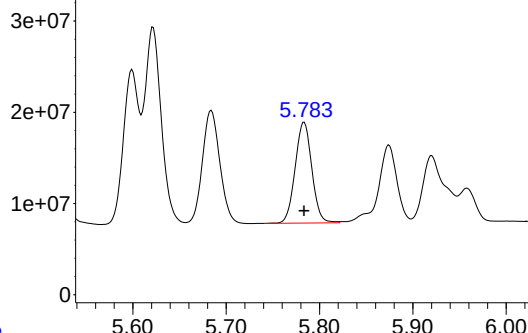
R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 54177061
Conc: 959.93 ng/ml

Time

Response_

Signal: PO105011.D\ECD1A.ch

#19 AR-1242-4



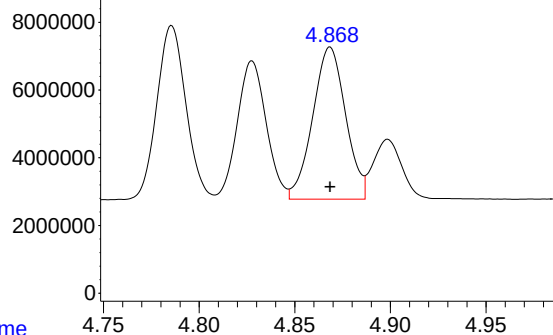
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 137591041
Conc: 949.56 ng/ml

Time

Response_

Signal: PO105011.D\ECD2B.ch

#19 AR-1242-4



R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 53832379
Conc: 953.04 ng/ml

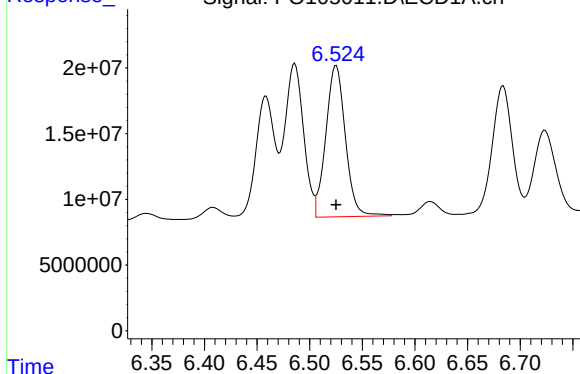
Time

Response_

Signal: PO105011.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 148669458
Conc: 933.09 ng/ml

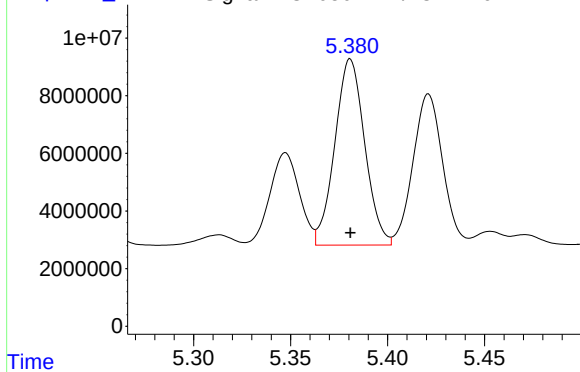
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Time

Response_

Signal: PO105011.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 69234122
Conc: 960.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 20:26
 Operator : YP/AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 05:17:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 05:17:39 2024
 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...	4.428	3.540	556.9E6	205.7E6	74.900	74.888
2) SA Decachlor...	10.219	8.435	405.7E6	124.9E6	75.266	75.464
Target Compounds						
16) L4 AR-1242-1	5.598	4.596	146.9E6	56847897	747.153	743.572
17) L4 AR-1242-2	5.621	4.614	209.1E6	79574606	751.494	750.847
18) L4 AR-1242-3	5.683	4.786	126.5E6	42166322	751.067	748.078
19) L4 AR-1242-4	5.783	4.868	108.2E6	42229217	747.944	748.412
20) L4 AR-1242-5	6.524	5.380	118.8E6	54209139	747.263	751.491

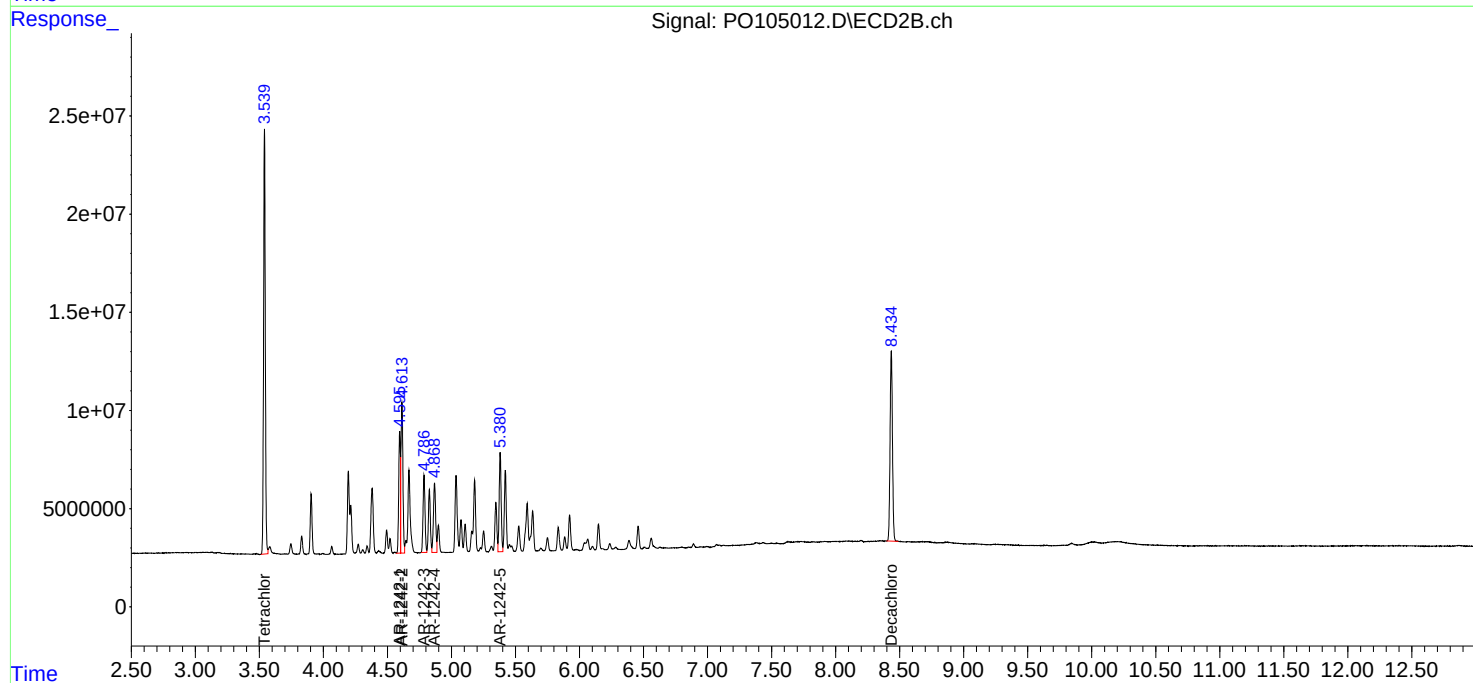
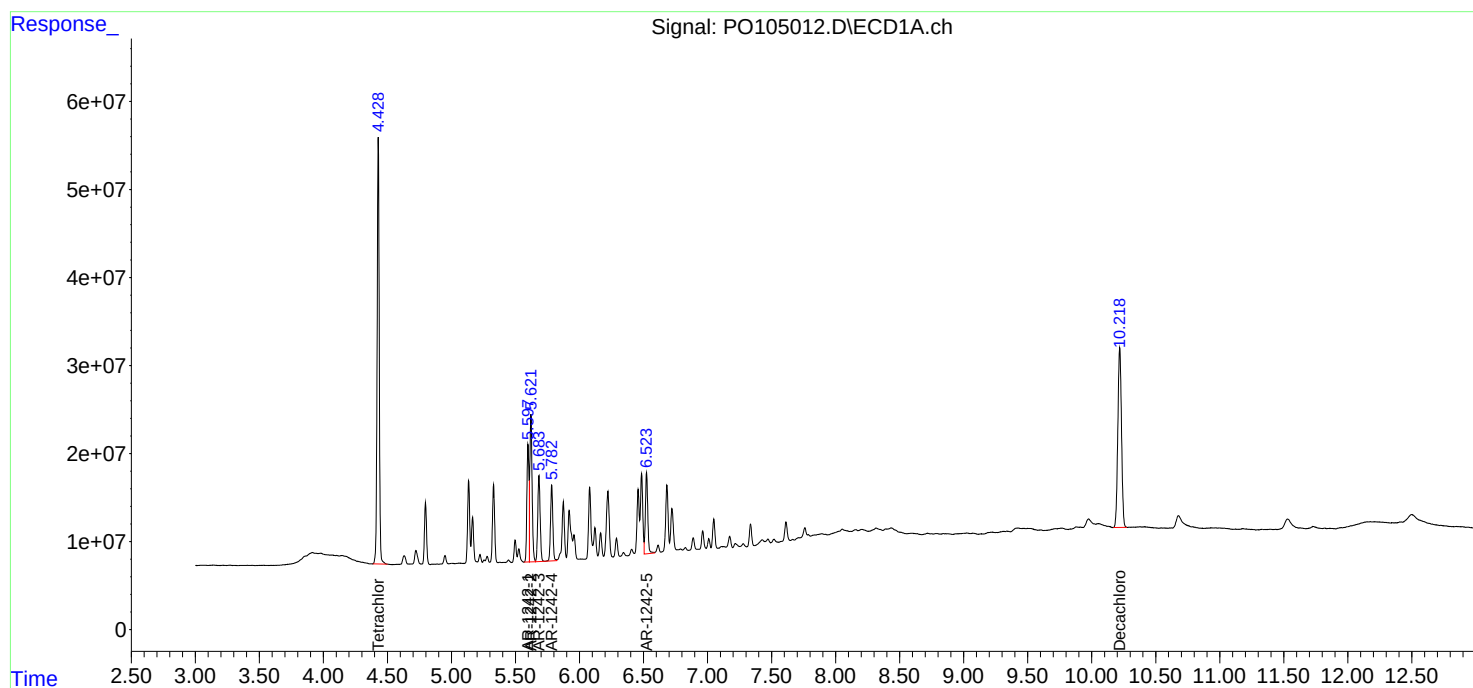
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

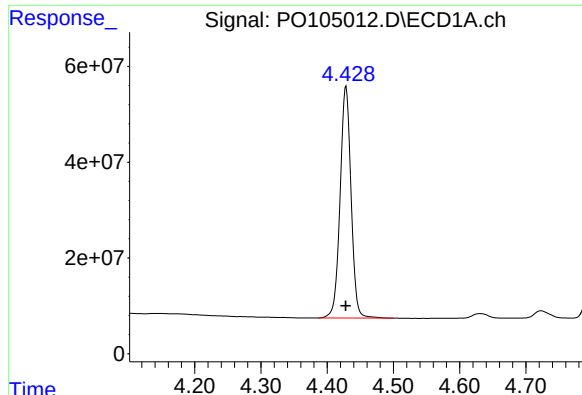
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 20:26
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:17:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:17:39 2024
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

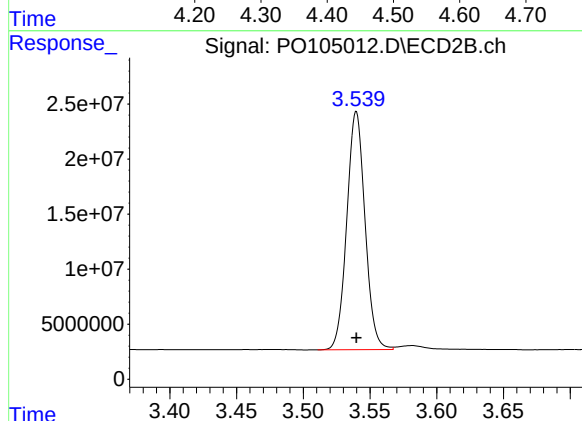




#1 Tetrachloro-m-xylene

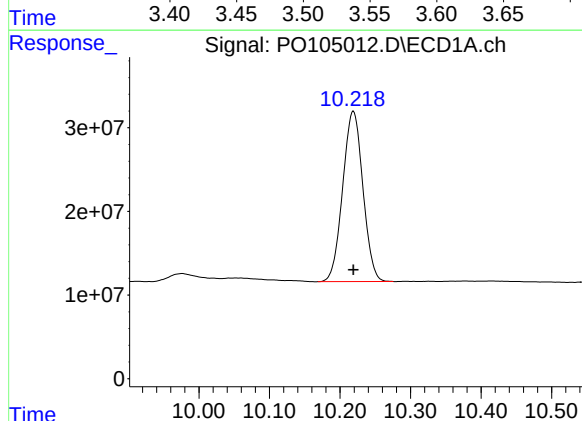
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 556886312
Conc: 74.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



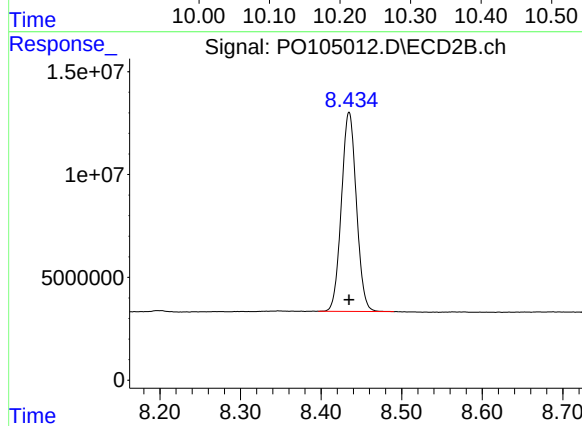
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 205660408
Conc: 74.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 405725237
Conc: 75.27 ng/ml



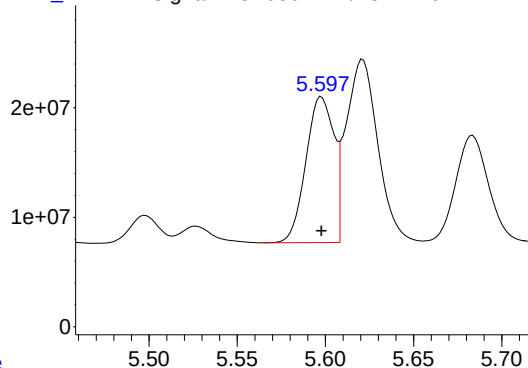
#2 Decachlorobiphenyl

R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 124940962
Conc: 75.46 ng/ml

Response_

Signal: PO105012.D\ECD1A.ch

#16 AR-1242-1



R.T.: 5.598 min
Delta R.T.: 0.000 min
Response: 146859780
Conc: 747.15 ng/ml

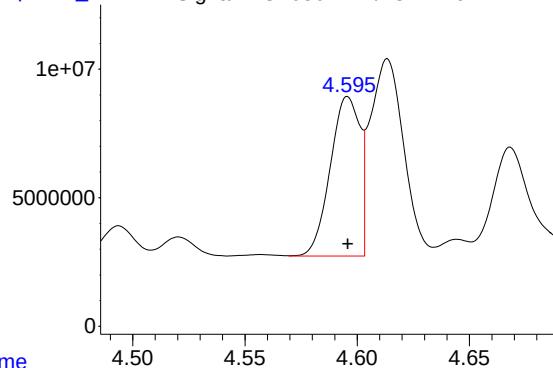
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Time

Response_

Signal: PO105012.D\ECD2B.ch

#16 AR-1242-1



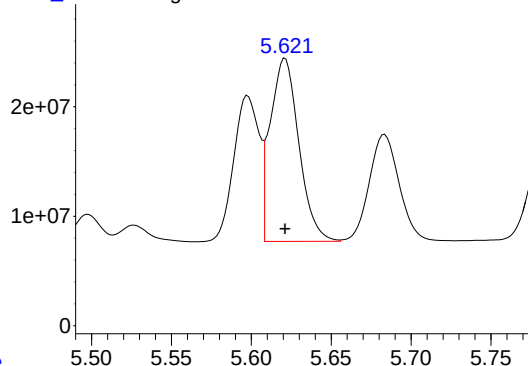
R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 56847897
Conc: 743.57 ng/ml

Time

Response_

Signal: PO105012.D\ECD1A.ch

#17 AR-1242-2



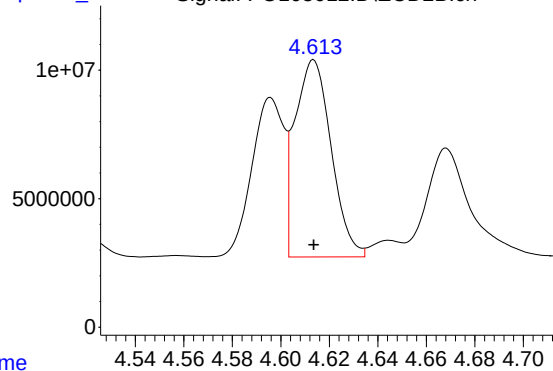
R.T.: 5.621 min
Delta R.T.: 0.000 min
Response: 209054172
Conc: 751.49 ng/ml

Time

Response_

Signal: PO105012.D\ECD2B.ch

#17 AR-1242-2



R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 79574606
Conc: 750.85 ng/ml

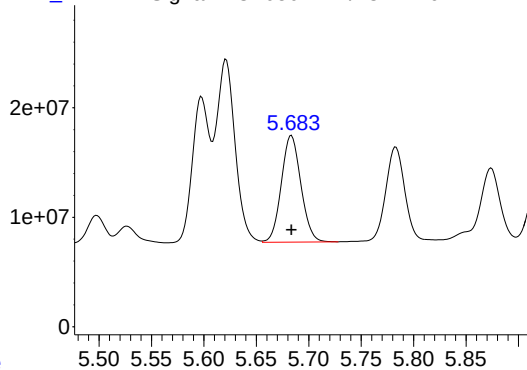
Time

Response_

Signal: PO105012.D\ECD1A.ch

#18 AR-1242-3

ICAL Form



R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 126466654
Conc: 751.07 ng/ml

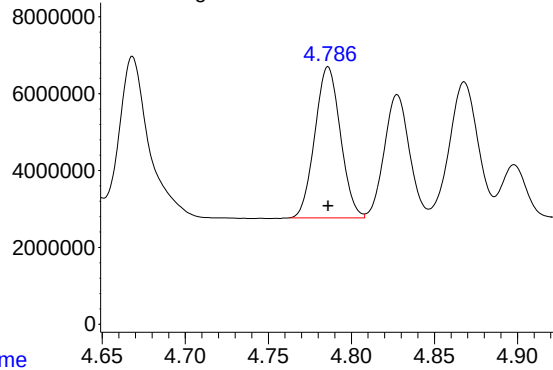
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Time

Response_

Signal: PO105012.D\ECD2B.ch

#18 AR-1242-3



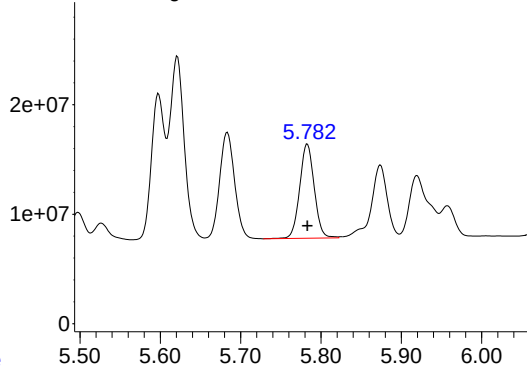
R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 42166322
Conc: 748.08 ng/ml

Time

Response_

Signal: PO105012.D\ECD1A.ch

#19 AR-1242-4



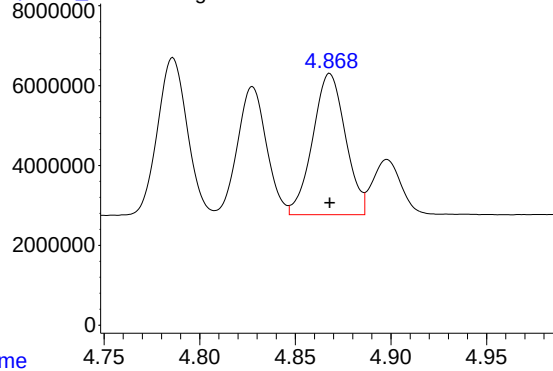
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 108229038
Conc: 747.94 ng/ml

Time

Response_

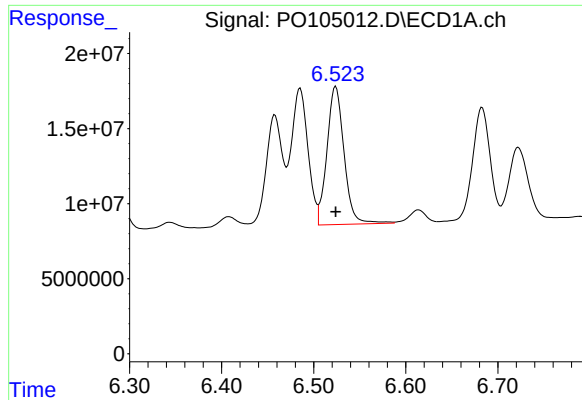
Signal: PO105012.D\ECD2B.ch

#19 AR-1242-4



R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 42229217
Conc: 748.41 ng/ml

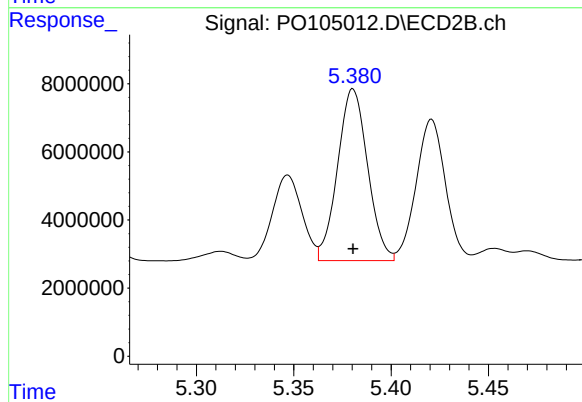
Time



#20 AR-1242-5

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 118844893
Conc: 747.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

R.T.: 5.380 min
Delta R.T.: 0.000 min
Response: 54209139
Conc: 751.49 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 20:43
 Operator : YP/AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 05:10:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 05:08:45 2024
 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...	4.428	3.539	382.1E6	140.5E6	50.000	50.000
2)	SA Decachlor...	10.219	8.435	277.5E6	86115228	50.000	50.000
Target Compounds							
16)	L4 AR-1242-1	5.599	4.596	102.3E6	40083333	500.000	500.000
17)	L4 AR-1242-2	5.622	4.613	143.7E6	54647000	500.000	500.000
18)	L4 AR-1242-3	5.684	4.786	87309961	29349948	500.000	500.000
19)	L4 AR-1242-4	5.784	4.868	76104742	29568656	500.000	500.000
20)	L4 AR-1242-5	6.525	5.381	84995767	37446630	500.000	500.000

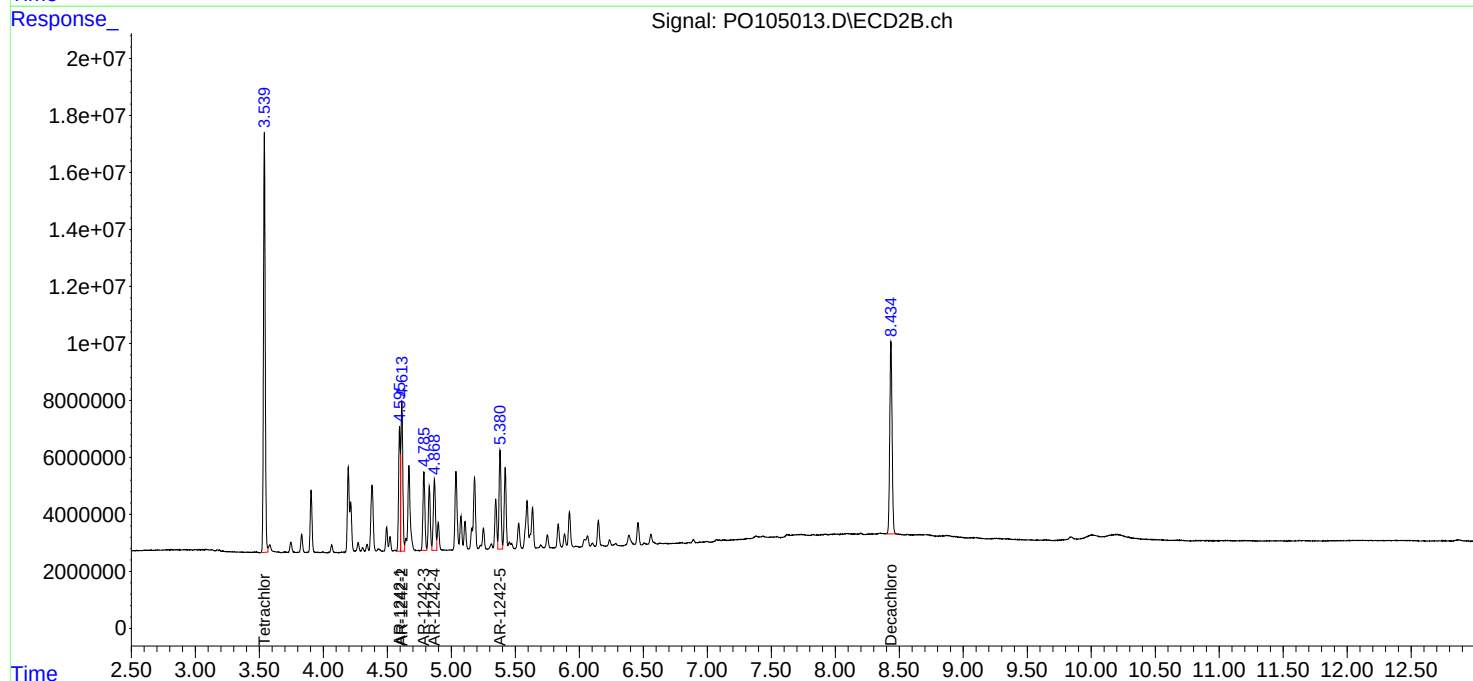
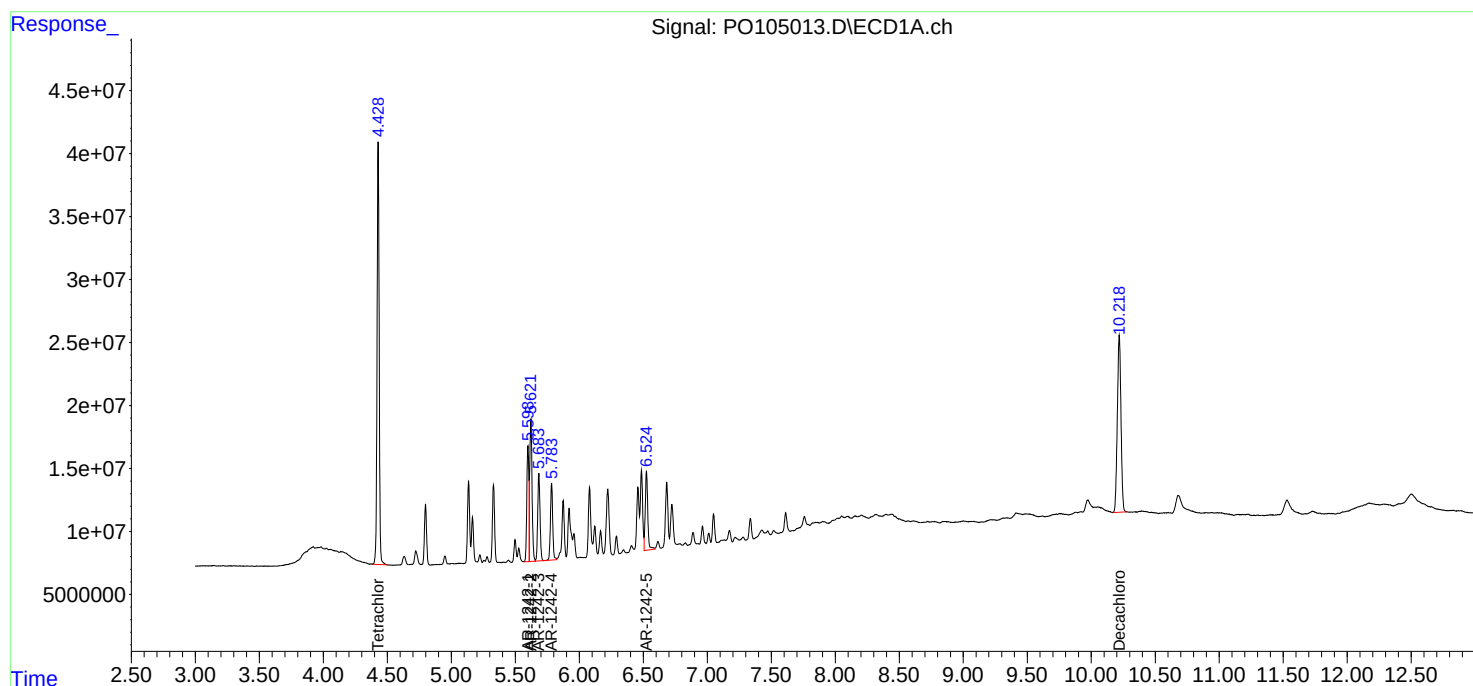
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

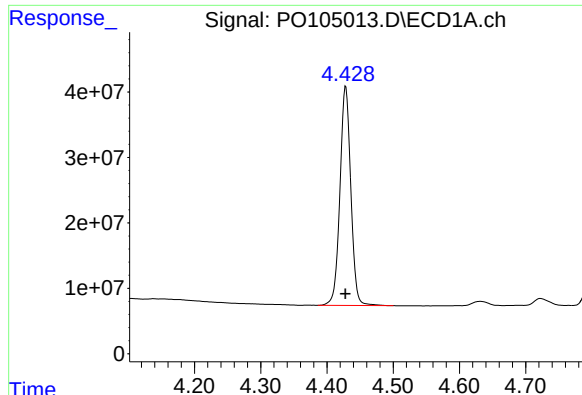
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 20:43
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:10:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:08:45 2024
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

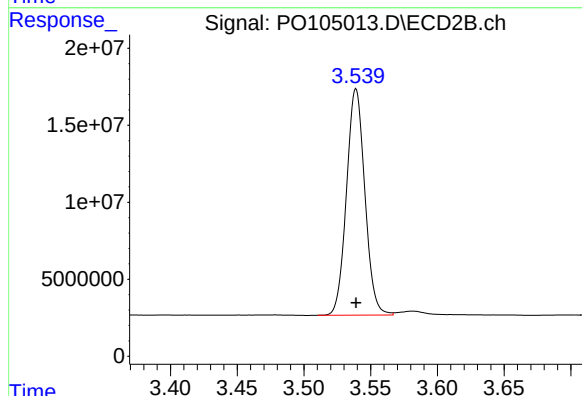




#1 Tetrachloro-m-xylene

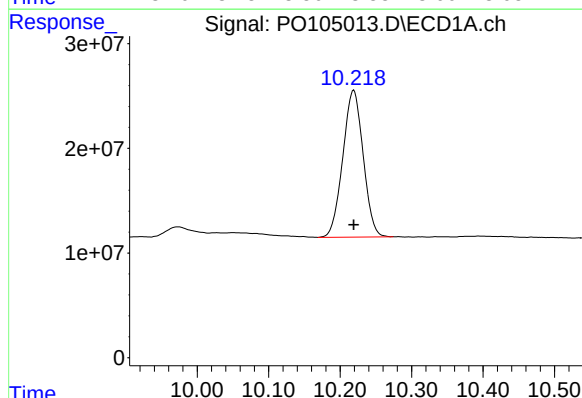
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 382085364
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



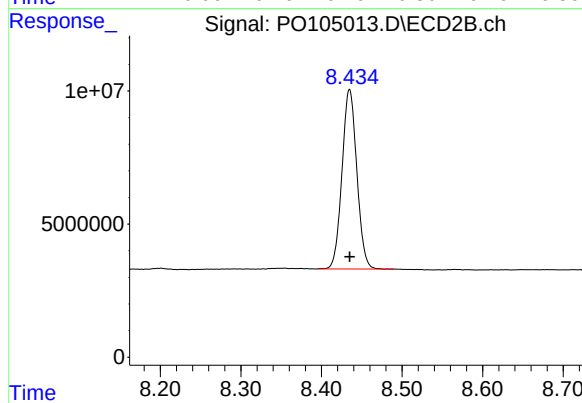
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 140542474
Conc: 50.00 ng/ml



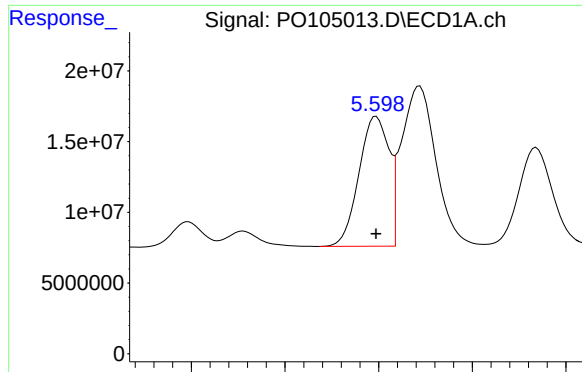
#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 277538822
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

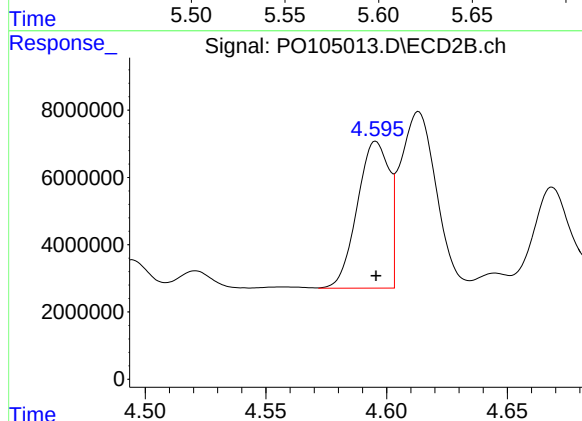
R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 86115228
Conc: 50.00 ng/ml



#16 AR-1242-1

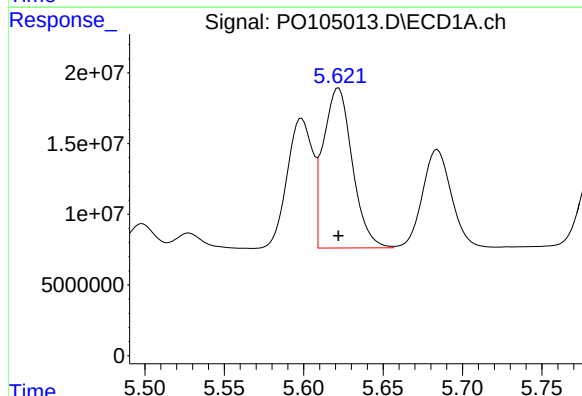
R.T.: 5.599 min
Delta R.T.: 0.000 min
Response: 102286966
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



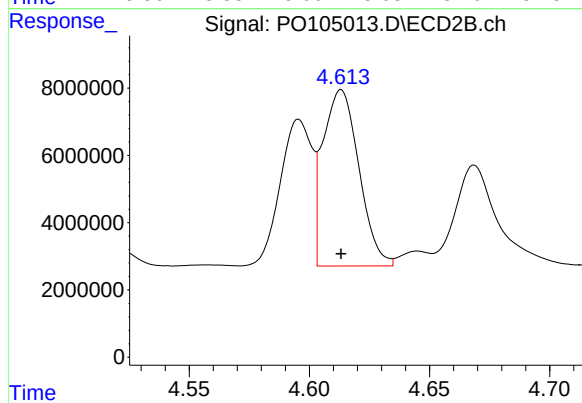
#16 AR-1242-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 40083333
Conc: 500.00 ng/ml



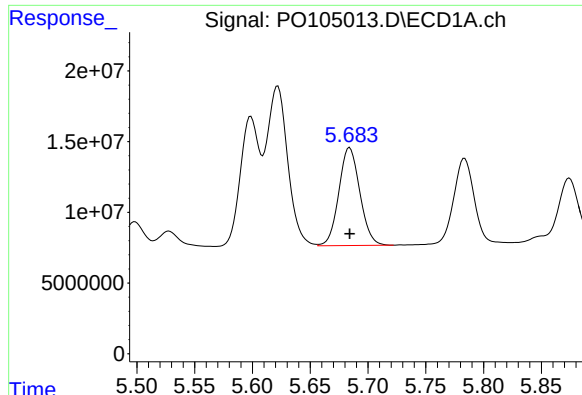
#17 AR-1242-2

R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 143665659
Conc: 500.00 ng/ml



#17 AR-1242-2

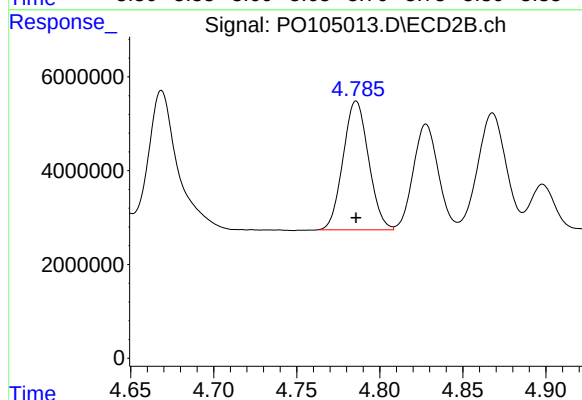
R.T.: 4.613 min
Delta R.T.: 0.000 min
Response: 54647000
Conc: 500.00 ng/ml



#18 AR-1242-3

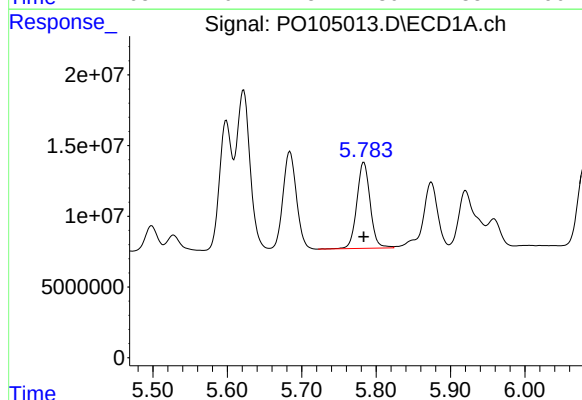
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 87309961
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



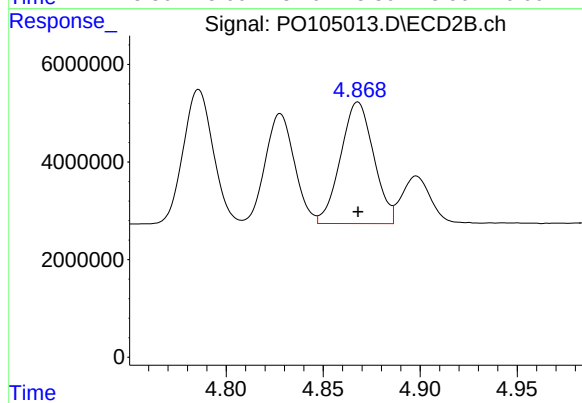
#18 AR-1242-3

R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 29349948
Conc: 500.00 ng/ml



#19 AR-1242-4

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 76104742
Conc: 500.00 ng/ml



#19 AR-1242-4

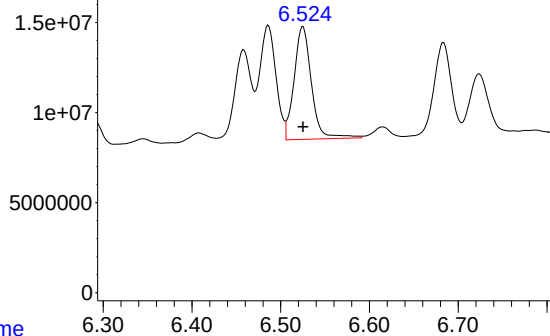
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 29568656
Conc: 500.00 ng/ml

Response_

Signal: PO105013.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 84995767
Conc: 500.00 ng/ml

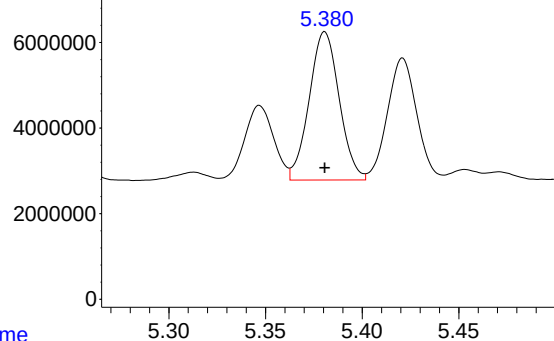
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Time

Response_

Signal: PO105013.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 37446630
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
Data File : P0105014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 21:00
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:19:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:19:13 2024
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...	4.429	3.540	190.5E6	70162767	25.464	25.409
2) SA Decachlor...	10.220	8.435	140.7E6	44322098	25.821	26.305
Target Compounds						
16) L4 AR-1242-1	5.599	4.596	52690567	20549378	263.308	263.830
17) L4 AR-1242-2	5.622	4.614	72725879	27677668	258.476	258.278
18) L4 AR-1242-3	5.684	4.786	45108031	14871613	263.182	260.238
19) L4 AR-1242-4	5.784	4.868	40536122	15231210	271.940	264.660
20) L4 AR-1242-5	6.525	5.381	46089663	19021004	278.707	260.125

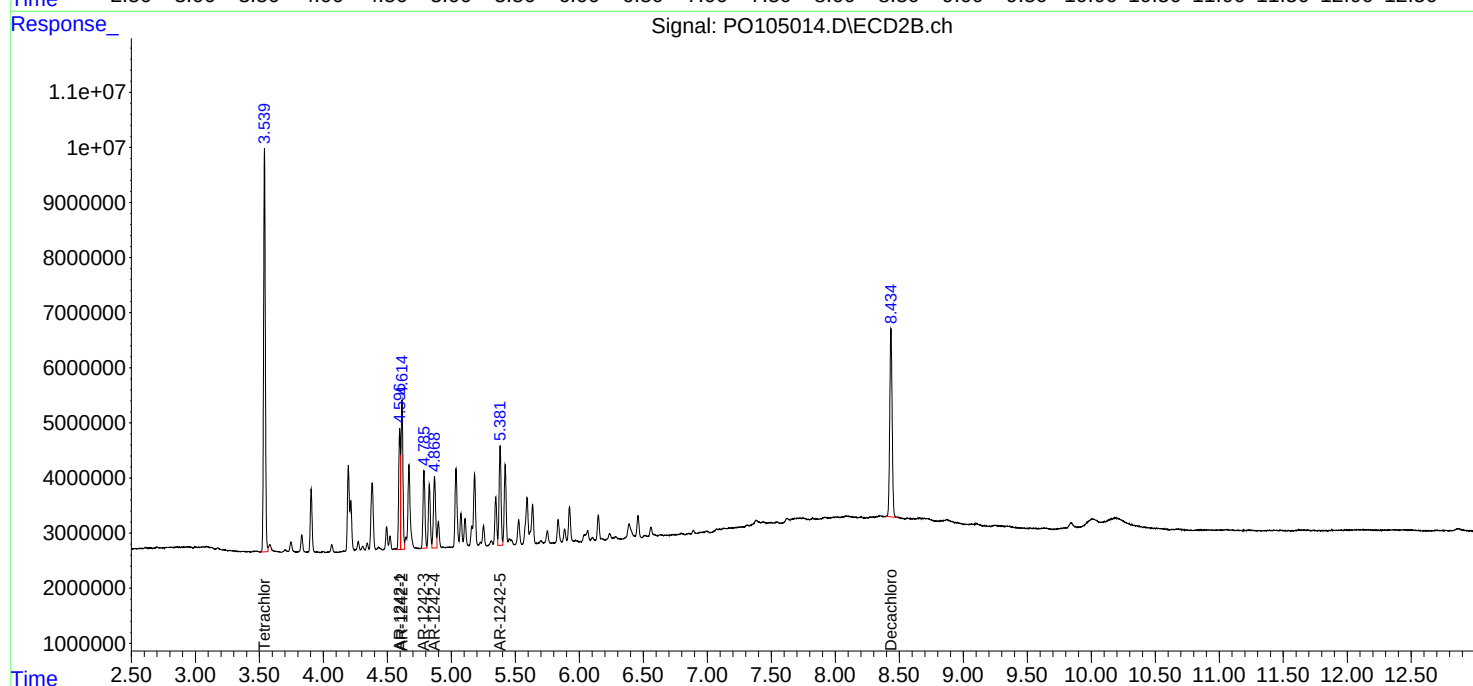
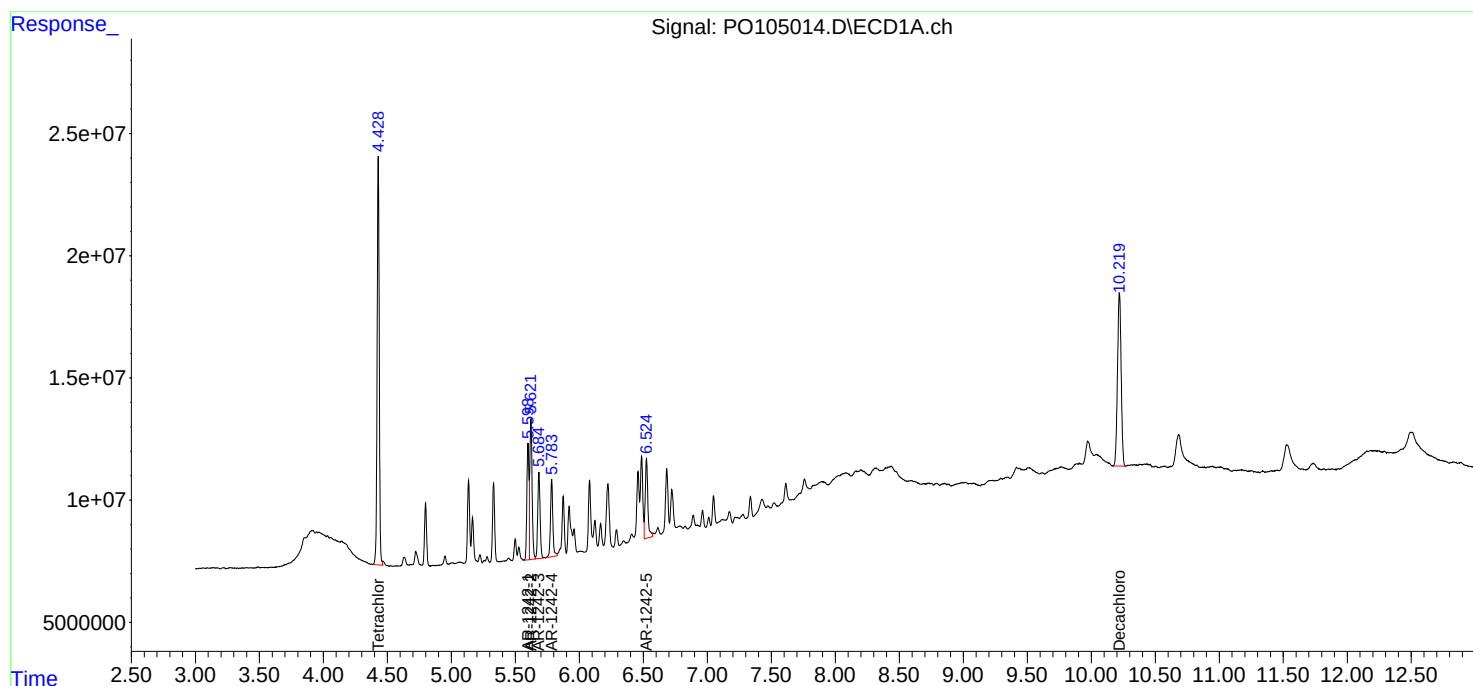
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

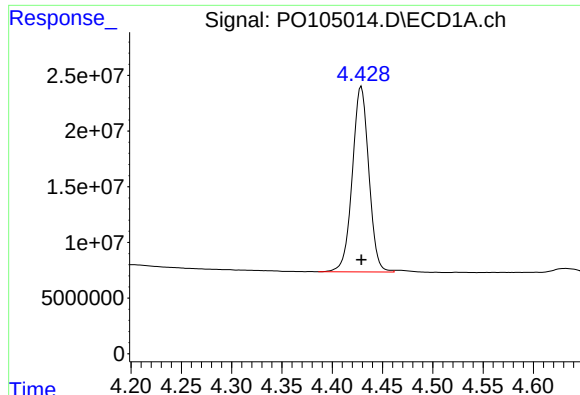
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 21:00
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:19:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:19:13 2024
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

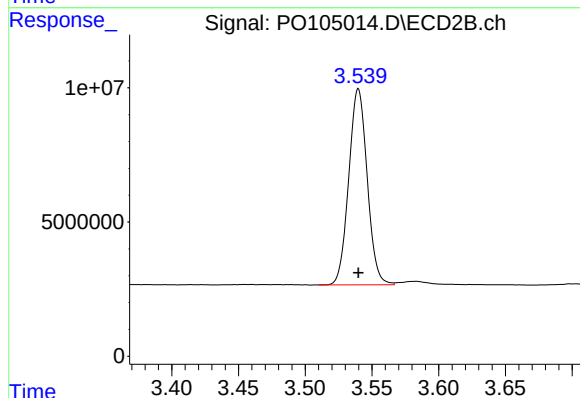




#1 Tetrachloro-m-xylene

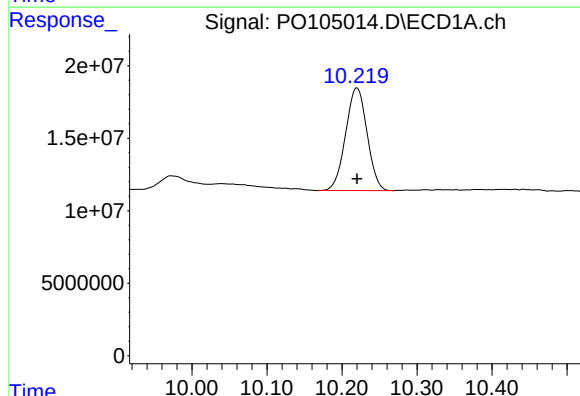
R.T.: 4.429 min
Delta R.T.: 0.000 min
Response: 190502769
Conc: 25.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



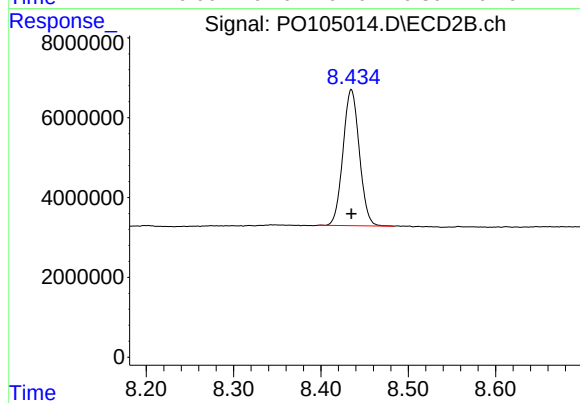
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 70162767
Conc: 25.41 ng/ml



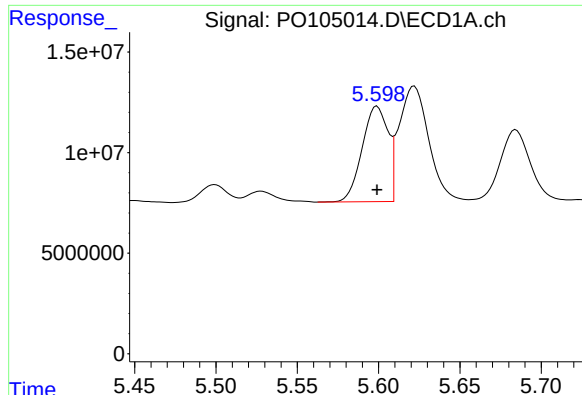
#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 140731241
Conc: 25.82 ng/ml



#2 Decachlorobiphenyl

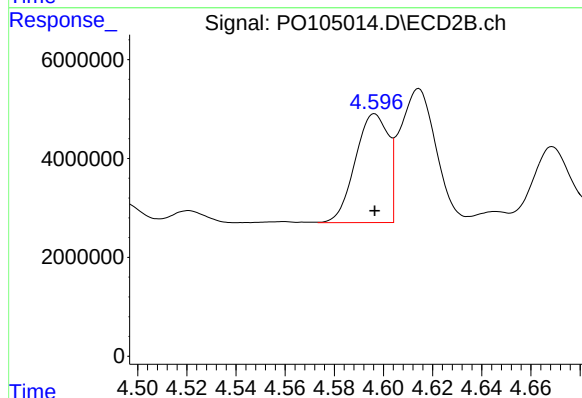
R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 44322098
Conc: 26.30 ng/ml



#16 AR-1242-1

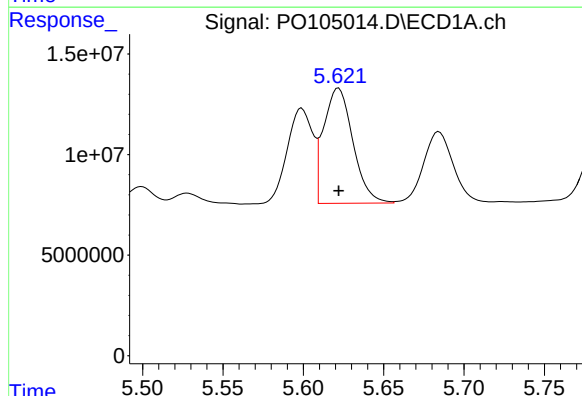
R.T.: 5.599 min
Delta R.T.: 0.000 min
Response: 52690567
Conc: 263.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



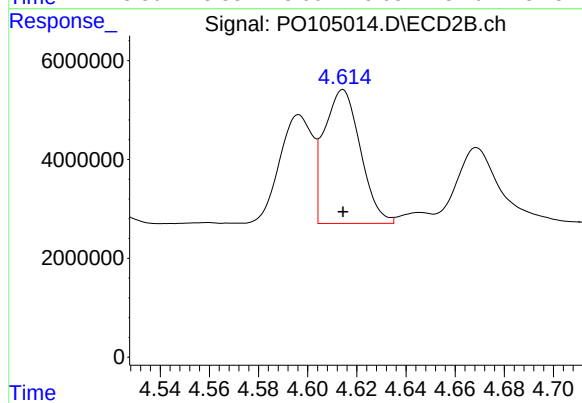
#16 AR-1242-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 20549378
Conc: 263.83 ng/ml



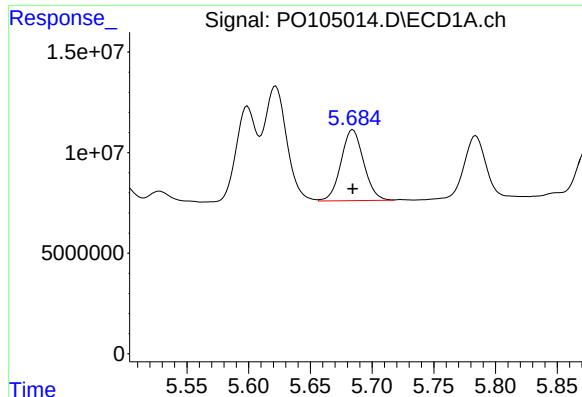
#17 AR-1242-2

R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 72725879
Conc: 258.48 ng/ml



#17 AR-1242-2

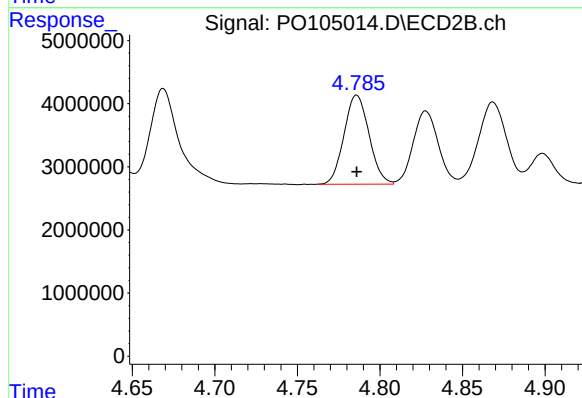
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 27677668
Conc: 258.28 ng/ml



#18 AR-1242-3

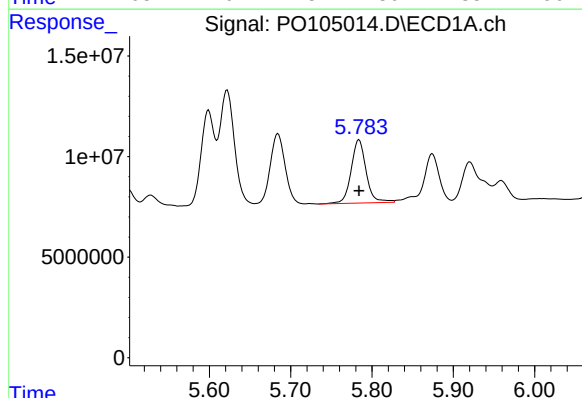
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 45108031
Conc: 263.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



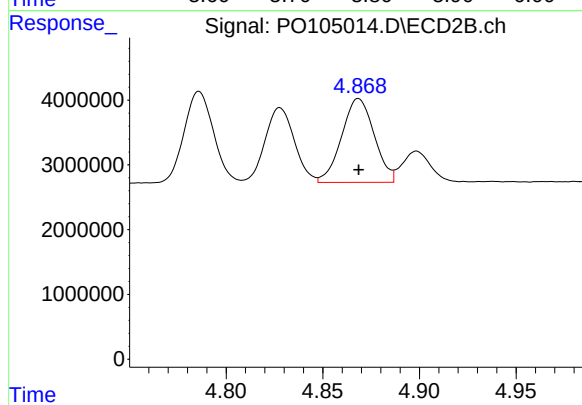
#18 AR-1242-3

R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 14871613
Conc: 260.24 ng/ml



#19 AR-1242-4

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 40536122
Conc: 271.94 ng/ml



#19 AR-1242-4

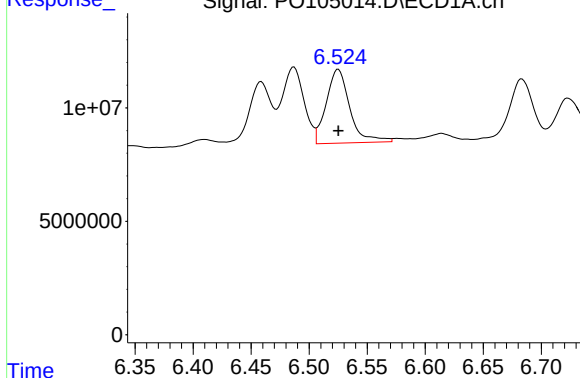
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 15231210
Conc: 264.66 ng/ml

Response_

Signal: PO105014.D\ECD1A.ch

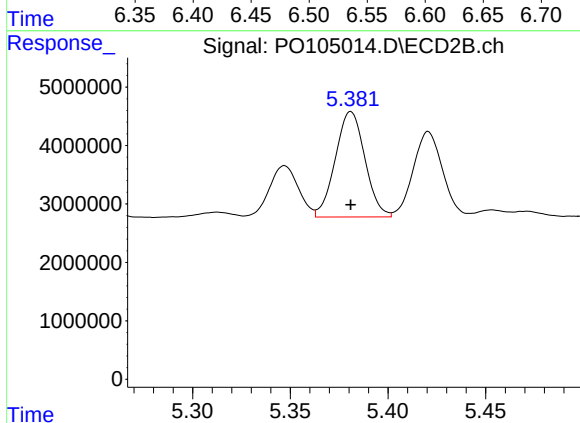
#20 AR-1242-5

ICAL Form



R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 46089663
Conc: 278.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 19021004
Conc: 260.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 21:18
 Operator : YP/AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1242ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 05:21:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 05:21:29 2024
 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...	4.428	3.539	31665429	11917593	4.367	4.437
2) SA Decachlor...	10.219	8.436	23570805	8108168	4.445	4.849
Target Compounds						
16) L4 AR-1242-1	5.599	4.596	8782705	3561965	44.989	46.526
17) L4 AR-1242-2	5.621	4.614	12155772	4797275	44.410	45.724
18) L4 AR-1242-3	5.684	4.786	7911881	2446008	46.881	44.071
19) L4 AR-1242-4	5.782	4.868	7843575	2480202	53.519m	44.320
20) L4 AR-1242-5	6.524	5.380	8639980	3104880	51.589m	43.782

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 21:18
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

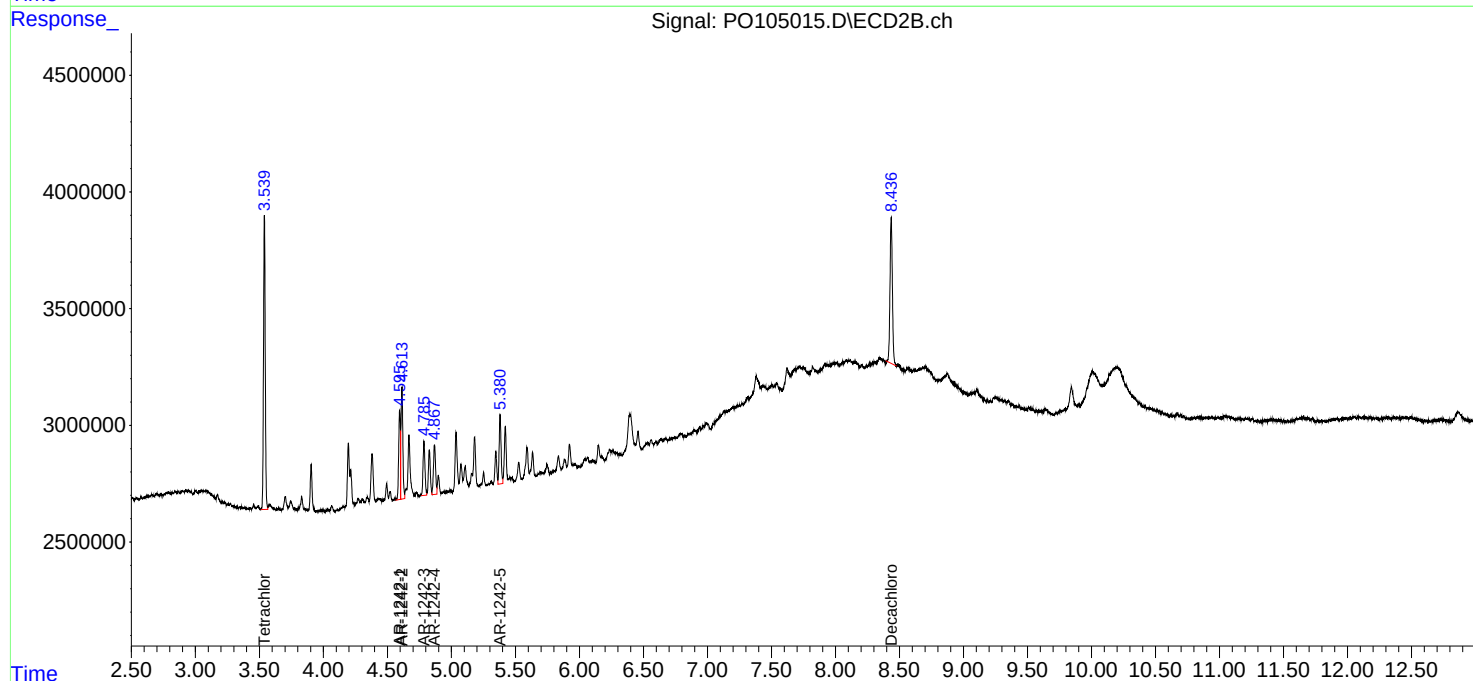
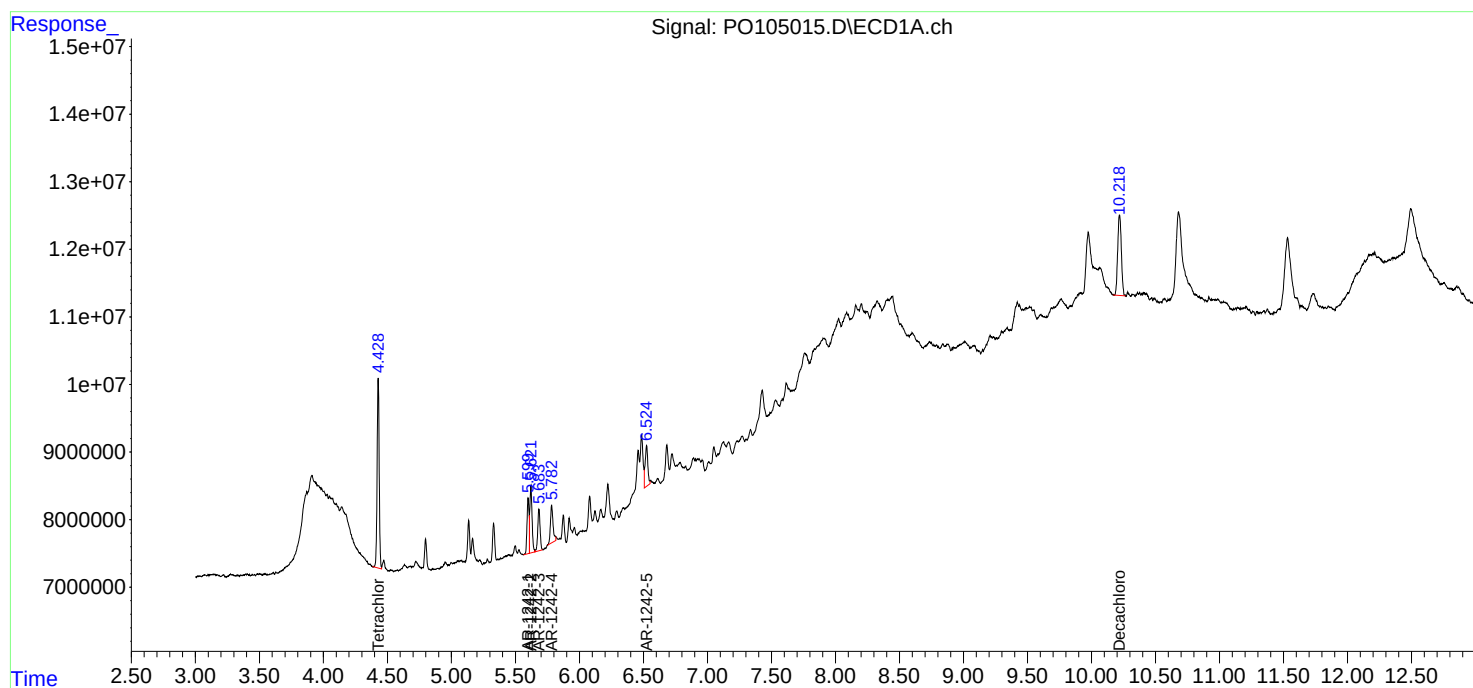
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

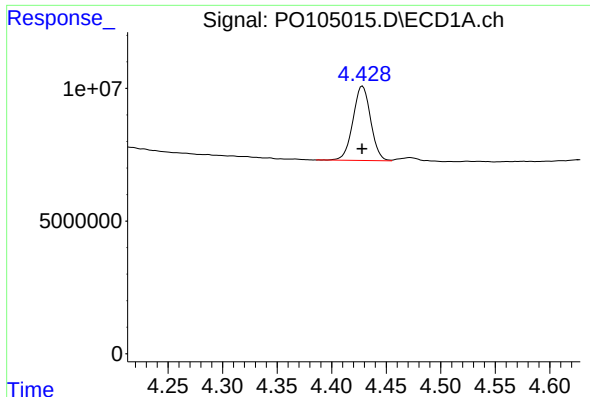
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:21:29 2024
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

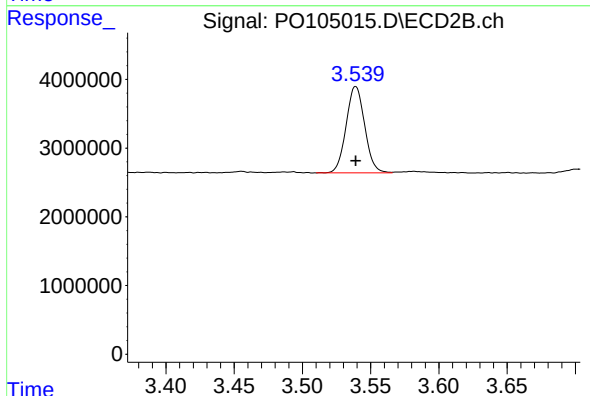
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 31665429
Conc: 4.37 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

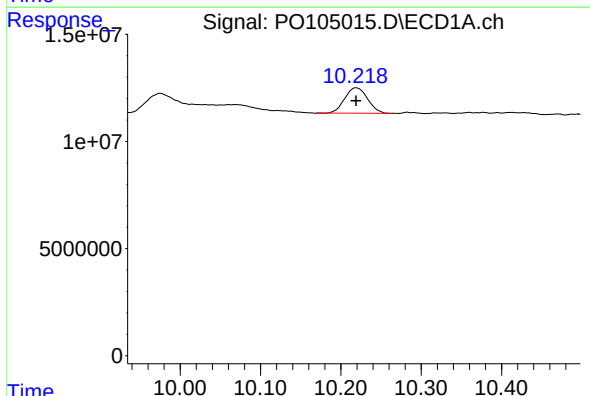
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



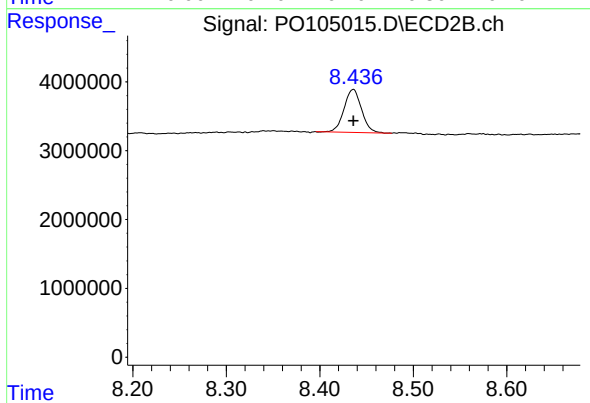
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 11917593
Conc: 4.44 ng/ml



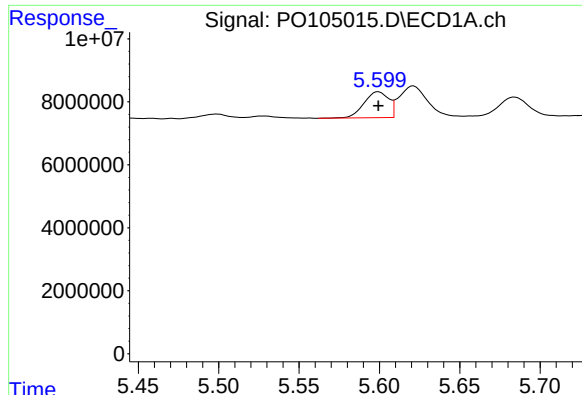
#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 23570805
Conc: 4.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.436 min
Delta R.T.: 0.000 min
Response: 8108168
Conc: 4.85 ng/ml



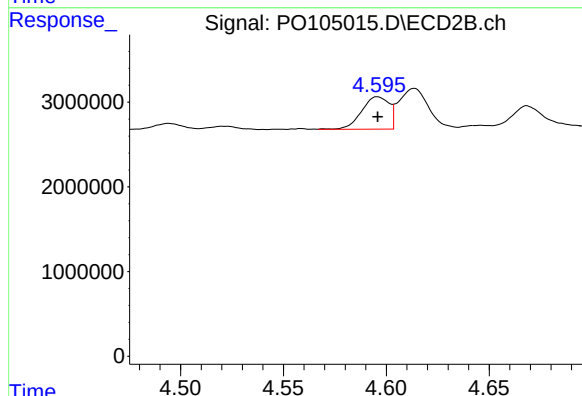
#16 AR-1242-1

R.T.: 5.599 min
Delta R.T.: 0.000 min
Response: 8782705
Conc: 44.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

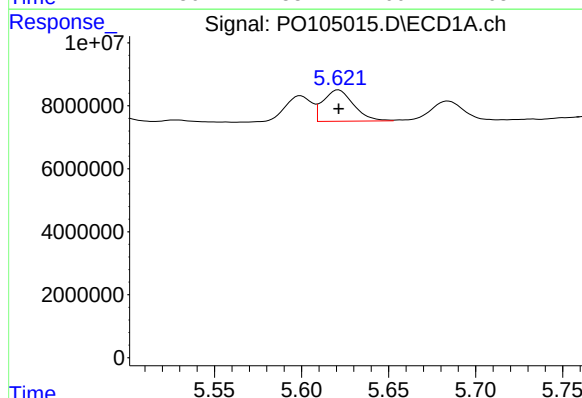
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



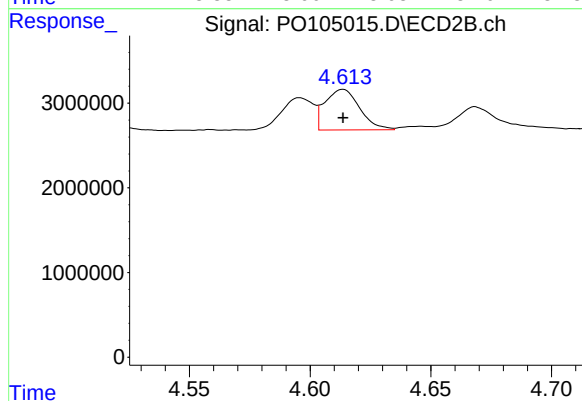
#16 AR-1242-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 3561965
Conc: 46.53 ng/ml



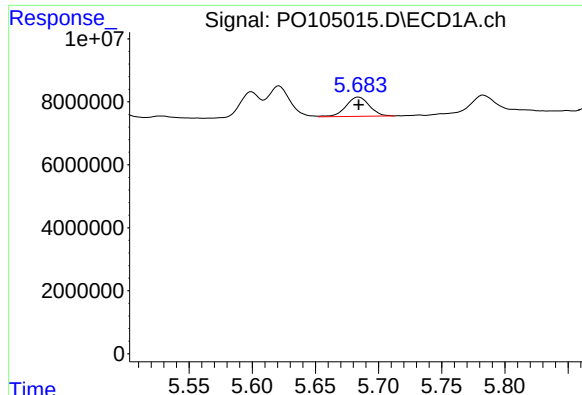
#17 AR-1242-2

R.T.: 5.621 min
Delta R.T.: 0.000 min
Response: 12155772
Conc: 44.41 ng/ml



#17 AR-1242-2

R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 4797275
Conc: 45.72 ng/ml



#18 AR-1242-3

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 7911881
Conc: 46.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024

#18 AR-1242-3

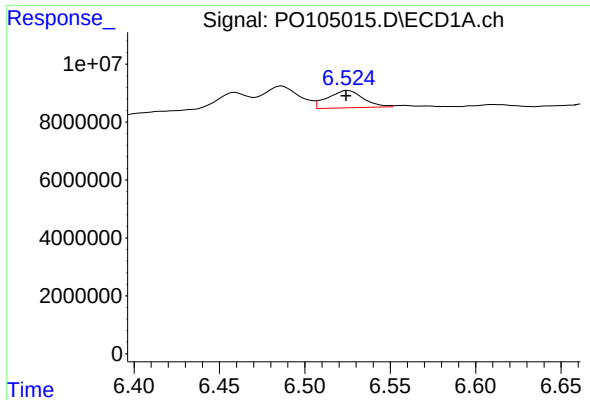
R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 2446008
Conc: 44.07 ng/ml

#19 AR-1242-4

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 7843575
Conc: 53.52 ng/ml m

#19 AR-1242-4

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 2480202
Conc: 44.32 ng/ml



#20 AR-1242-5

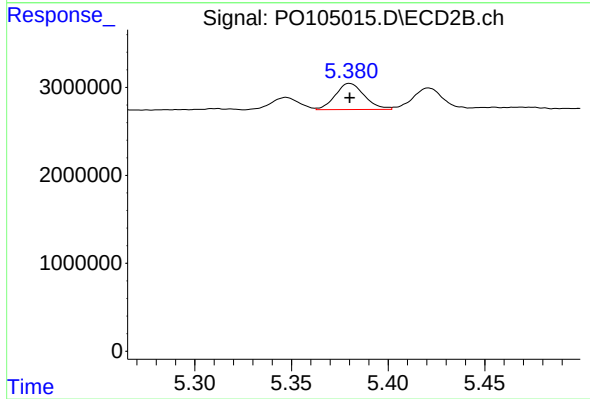
R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 8639980
Conc: 51.59 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



#20 AR-1242-5

R.T.: 5.380 min
Delta R.T.: 0.000 min
Response: 3104880
Conc: 43.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 21:35
 Operator : YP/AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 05:31:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 05:31:08 2024
 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...	4.428	3.539	751.2E6	283.6E6	97.478	97.747
2) SA Decachlor...	10.217	8.434	542.5E6	168.3E6	97.043	96.647
Target Compounds						
21) L5 AR-1248-1	5.599	4.596	148.3E6	58529127	953.950	960.025
22) L5 AR-1248-2	5.874	4.828	208.1E6	78677856	961.541	956.613
23) L5 AR-1248-3	6.080	4.868	232.9E6	82837389	963.744	955.412
24) L5 AR-1248-4	6.486	5.036	275.4E6	98041333	961.220	961.019
25) L5 AR-1248-5	6.524	5.421	264.4E6	99500445	952.177	968.910

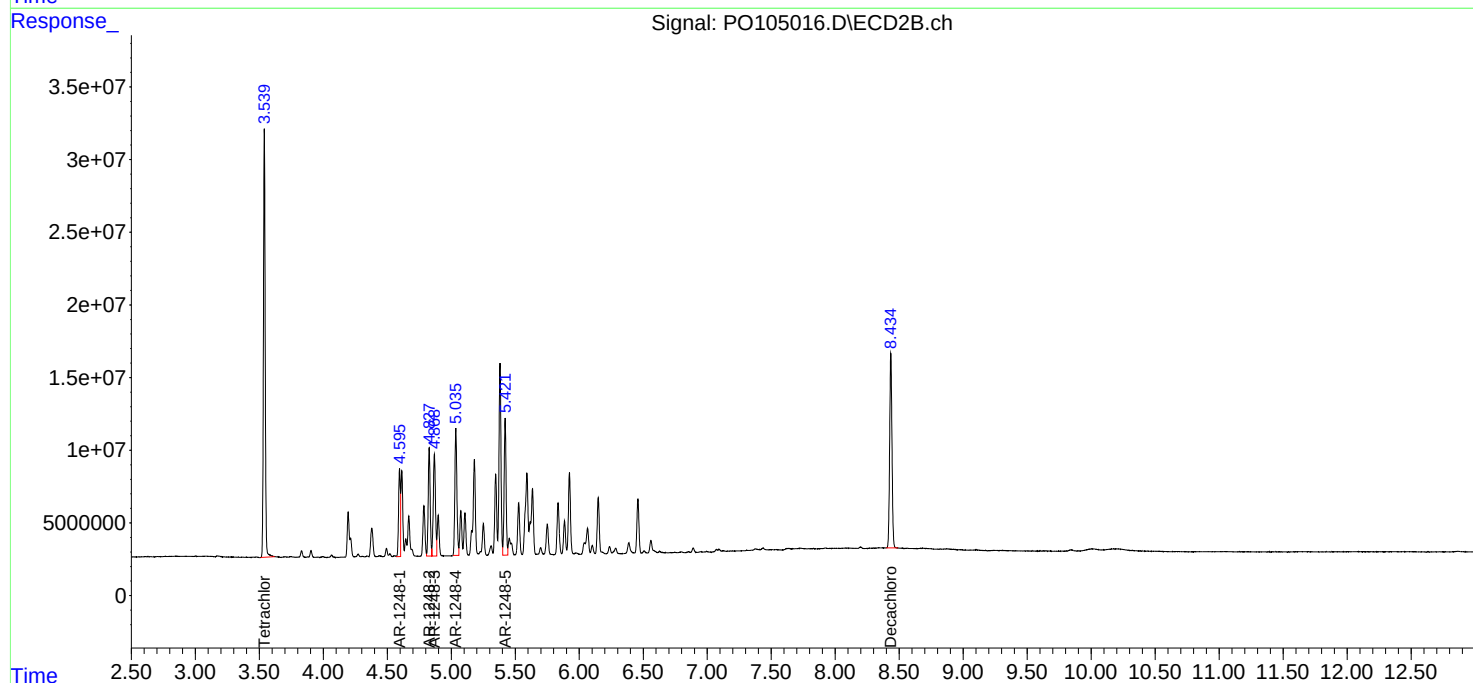
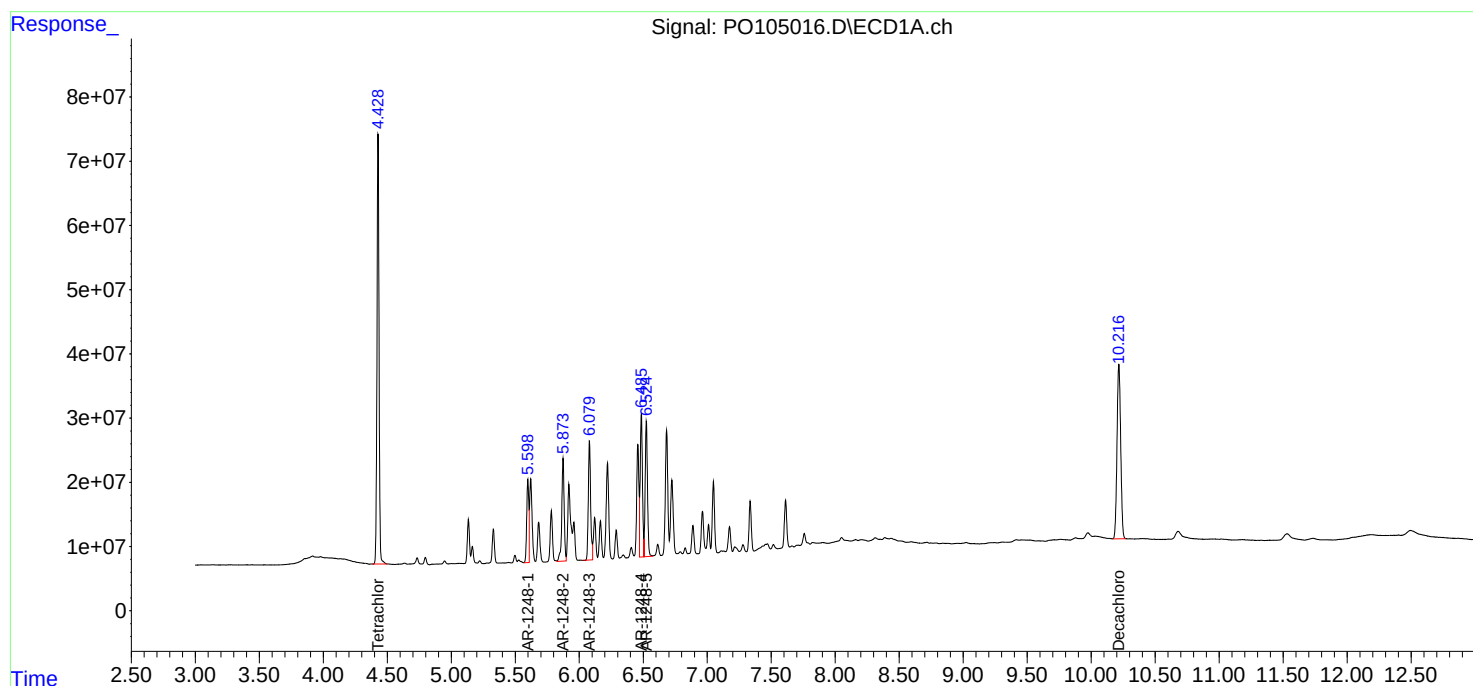
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

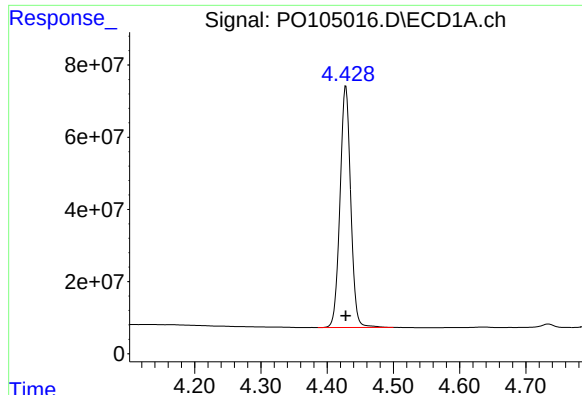
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
Data File : P0105016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 21:35
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:31:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:31:08 2024
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

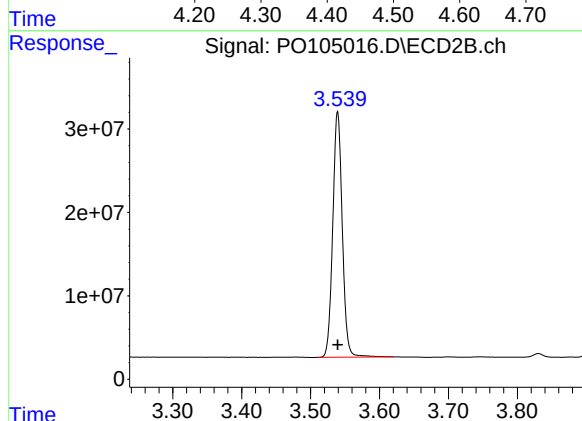




#1 Tetrachloro-m-xylene

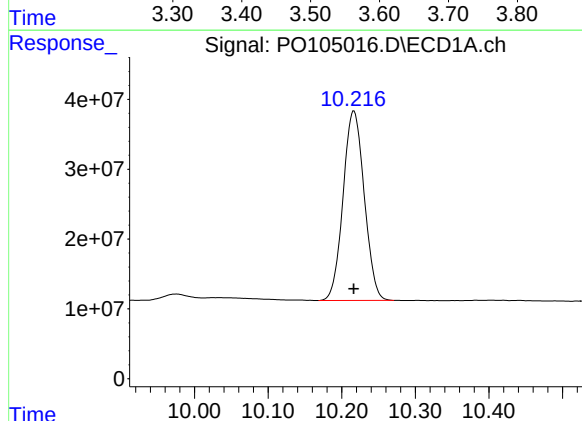
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 751243196
Conc: 97.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



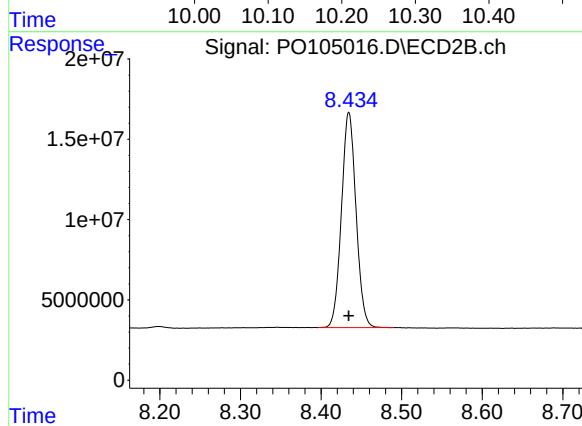
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 283571173
Conc: 97.75 ng/ml



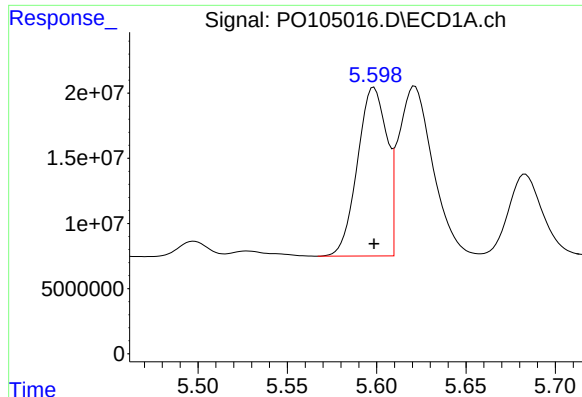
#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: 0.000 min
Response: 542481587
Conc: 97.04 ng/ml



#2 Decachlorobiphenyl

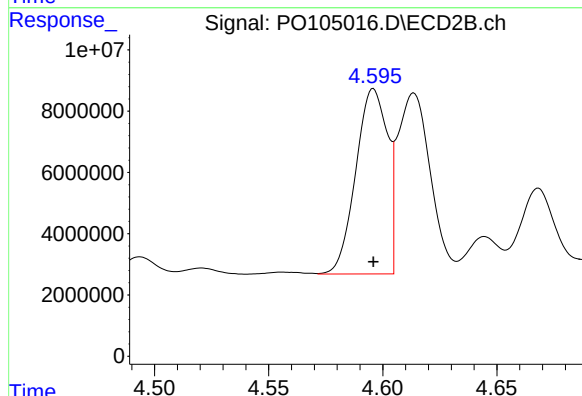
R.T.: 8.434 min
Delta R.T.: 0.000 min
Response: 168297648
Conc: 96.65 ng/ml



#21 AR-1248-1

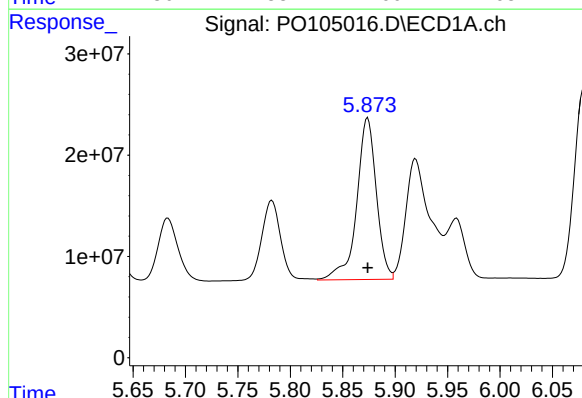
R.T.: 5.599 min
Delta R.T.: 0.000 min
Response: 148275988
Conc: 953.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



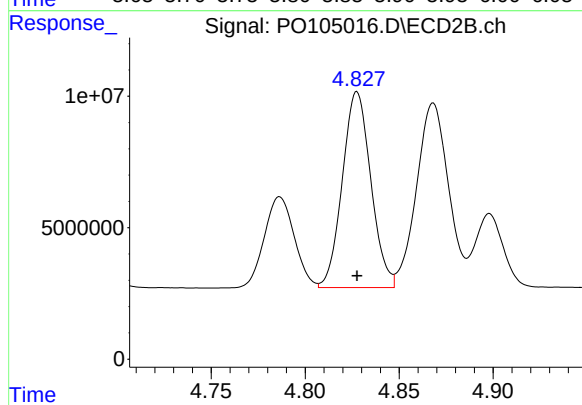
#21 AR-1248-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 58529127
Conc: 960.03 ng/ml



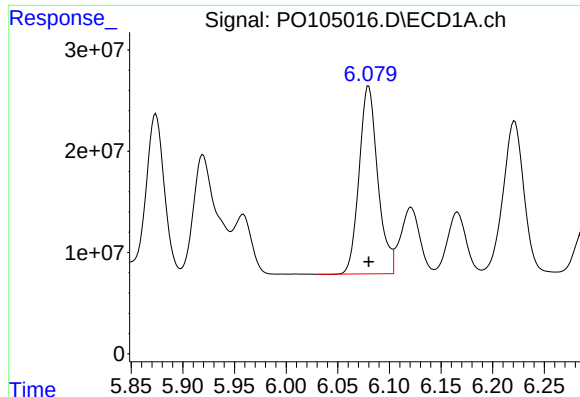
#22 AR-1248-2

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 208142903
Conc: 961.54 ng/ml



#22 AR-1248-2

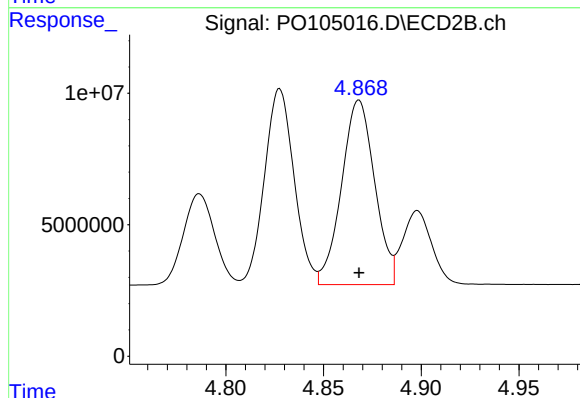
R.T.: 4.828 min
Delta R.T.: 0.000 min
Response: 78677856
Conc: 956.61 ng/ml



#23 AR-1248-3

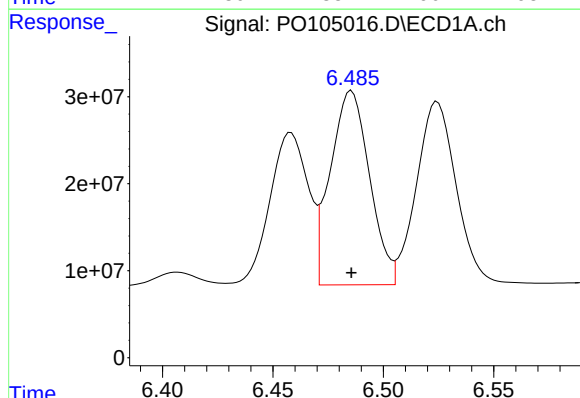
R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 232892362
Conc: 963.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



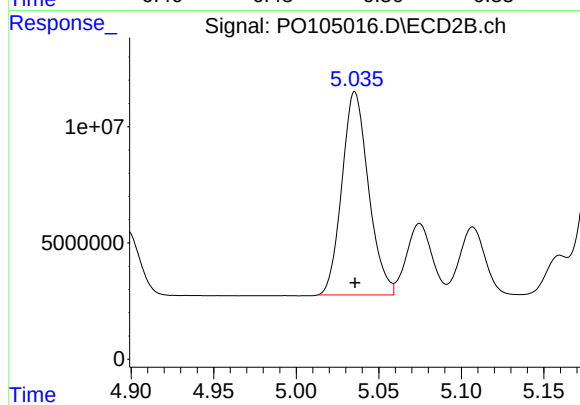
#23 AR-1248-3

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 82837389
Conc: 955.41 ng/ml



#24 AR-1248-4

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 275350481
Conc: 961.22 ng/ml



#24 AR-1248-4

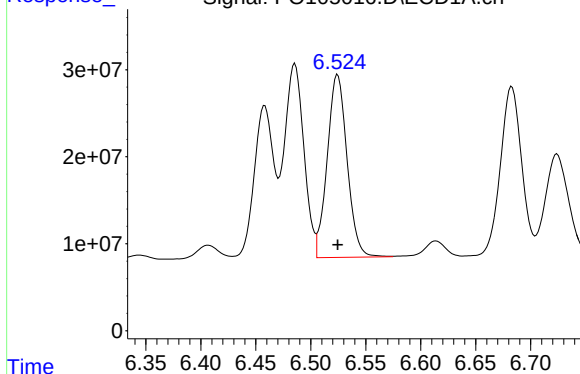
R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 98041333
Conc: 961.02 ng/ml

Response_

Signal: PO105016.D\ECD1A.ch

#25 AR-1248-5

ICAL Form



R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 264375988
Conc: 952.18 ng/ml

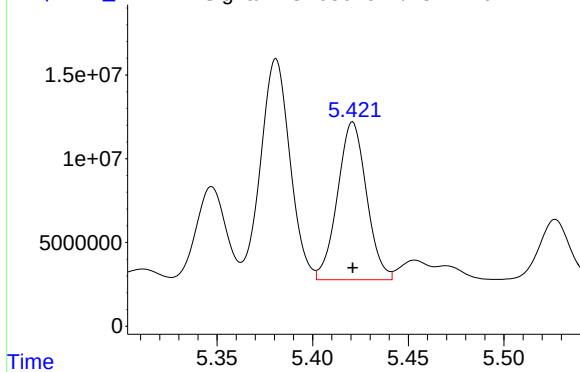
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Time

Response_

Signal: PO105016.D\ECD2B.ch

#25 AR-1248-5



R.T.: 5.421 min
Delta R.T.: 0.000 min
Response: 99500445
Conc: 968.91 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 21:52
 Operator : YP/AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 05:33:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 05:32:59 2024
 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...	4.428	3.540	576.9E6	217.1E6	74.903	74.881
2) SA Decachlor...	10.219	8.436	418.1E6	130.3E6	74.864	74.875
Target Compounds						
21) L5 AR-1248-1	5.598	4.596	114.3E6	45226807	740.338	744.536
22) L5 AR-1248-2	5.874	4.827	161.3E6	61280906	746.619	746.720
23) L5 AR-1248-3	6.080	4.868	180.1E6	64694123	746.922	747.432
24) L5 AR-1248-4	6.486	5.036	212.7E6	76139910	744.961	747.554
25) L5 AR-1248-5	6.525	5.421	206.1E6	76690455	744.886	747.859

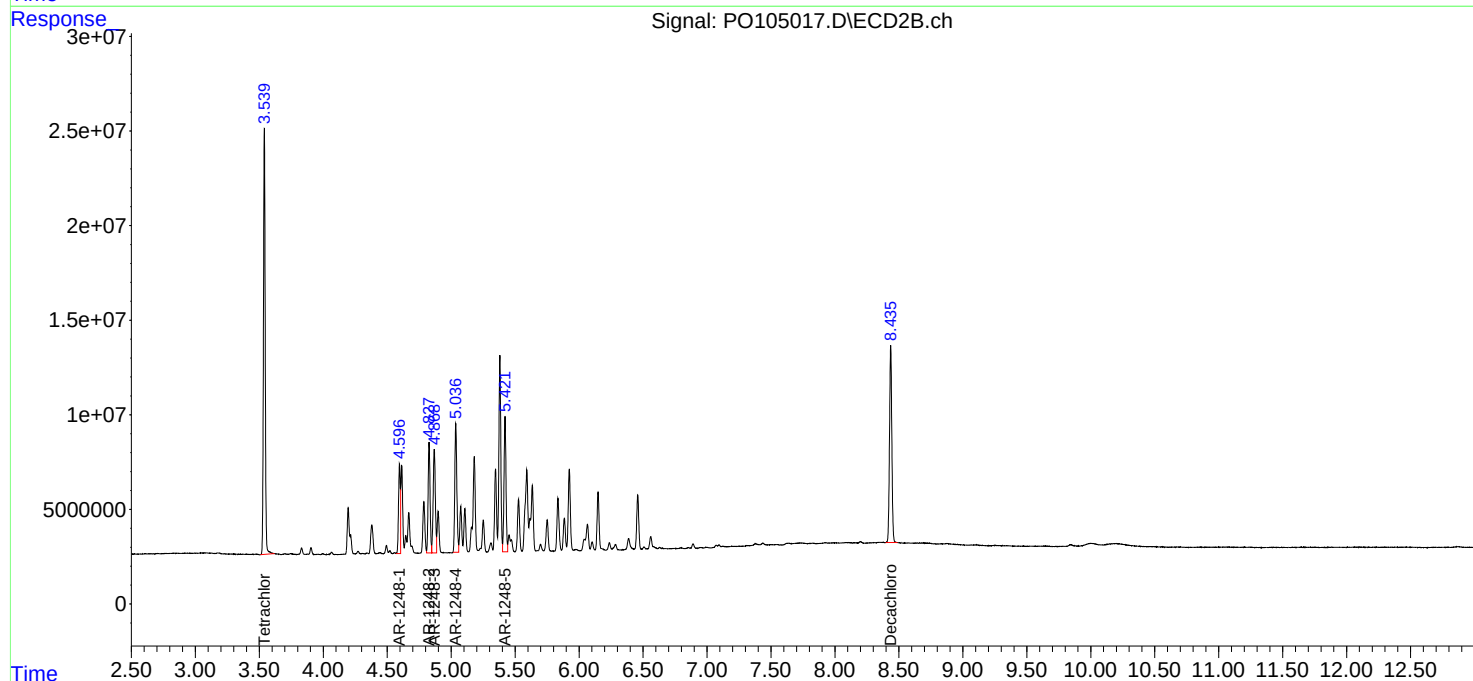
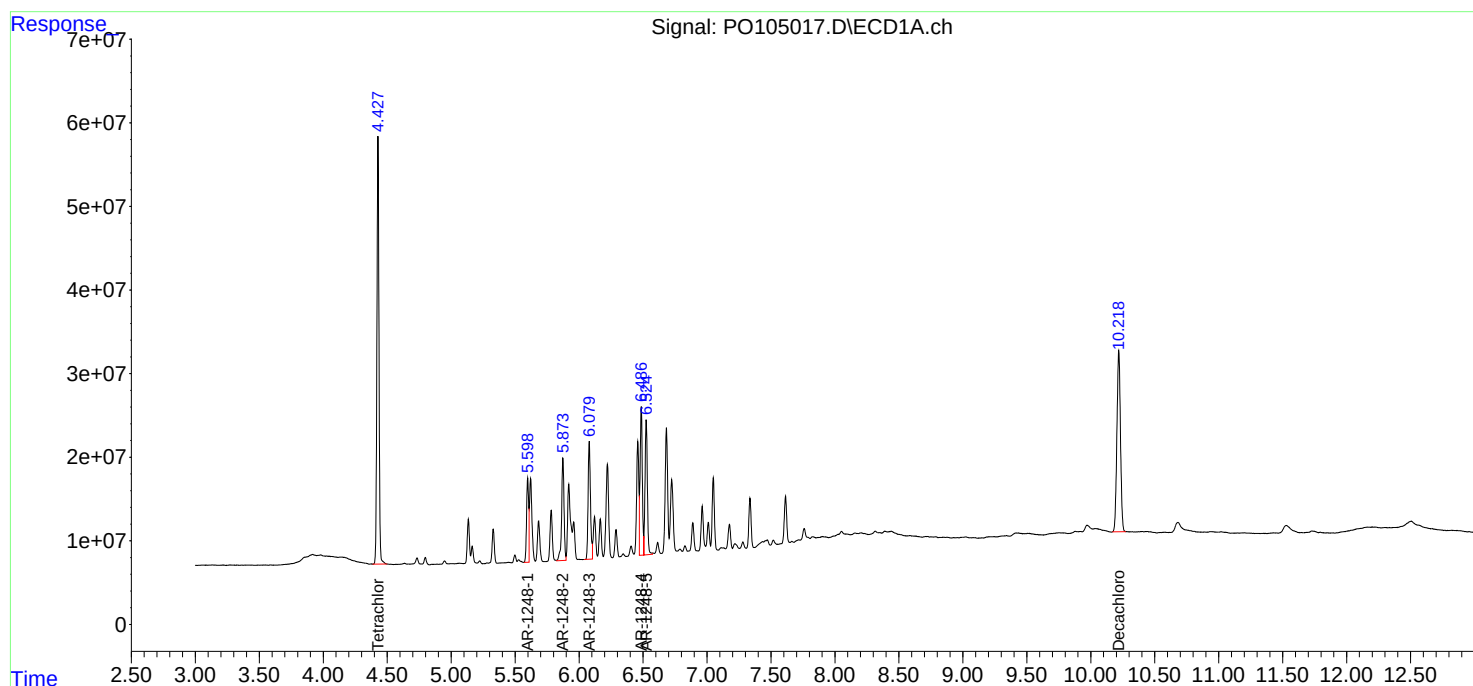
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

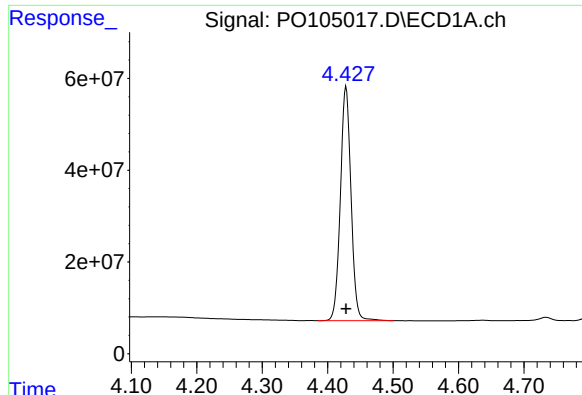
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 21:52
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:33:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:32:59 2024
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

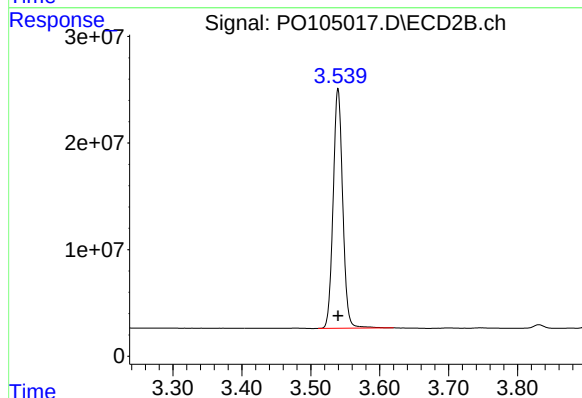




#1 Tetrachloro-m-xylene

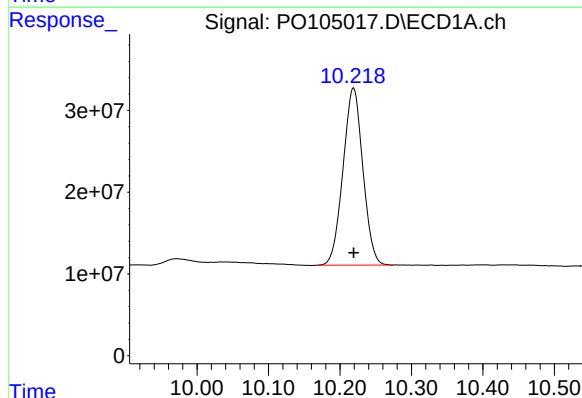
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 576895517
Conc: 74.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



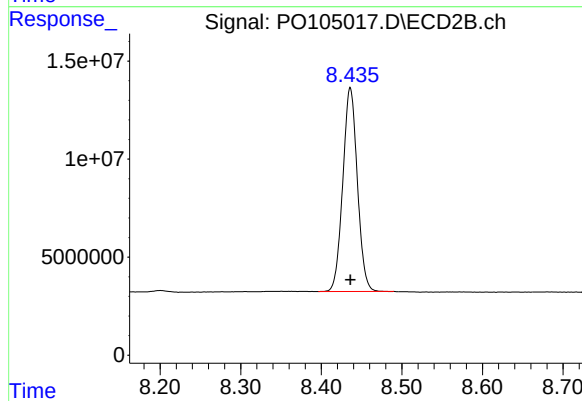
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 217060188
Conc: 74.88 ng/ml



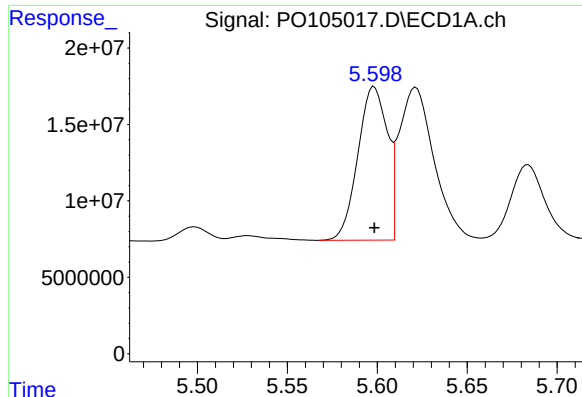
#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 418117201
Conc: 74.86 ng/ml



#2 Decachlorobiphenyl

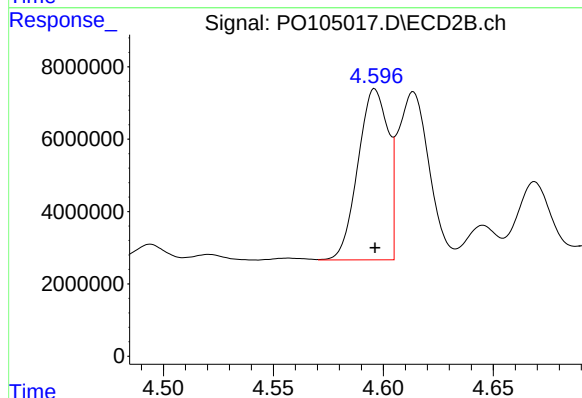
R.T.: 8.436 min
Delta R.T.: 0.000 min
Response: 130274838
Conc: 74.87 ng/ml



#21 AR-1248-1

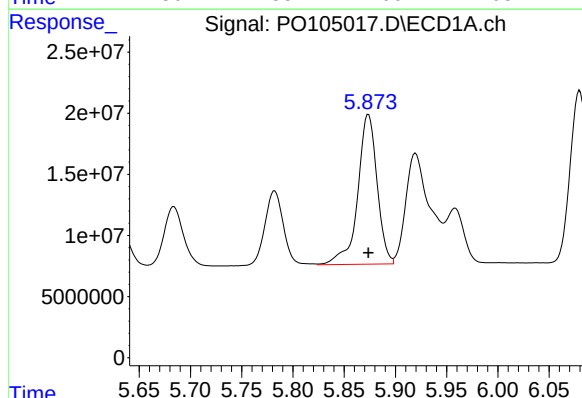
R.T.: 5.598 min
Delta R.T.: 0.000 min
Response: 114337143
Conc: 740.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



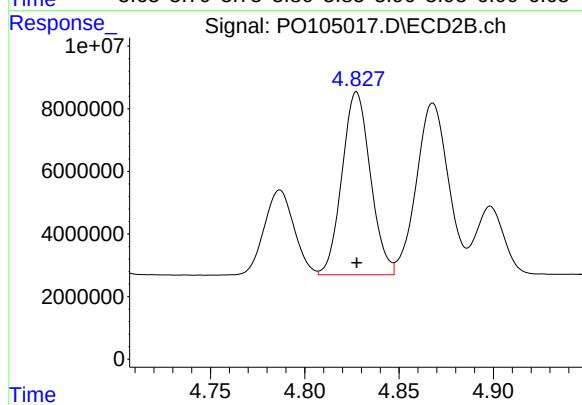
#21 AR-1248-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 45226807
Conc: 744.54 ng/ml



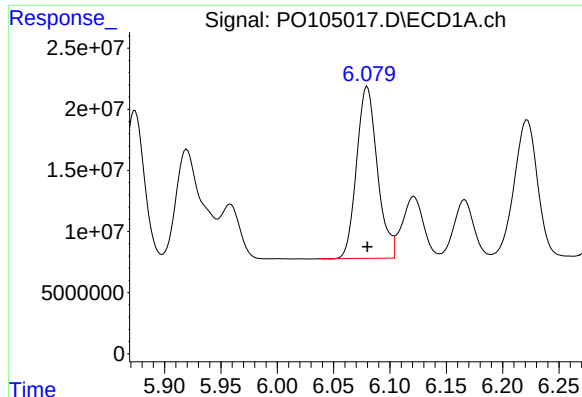
#22 AR-1248-2

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 161255674
Conc: 746.62 ng/ml



#22 AR-1248-2

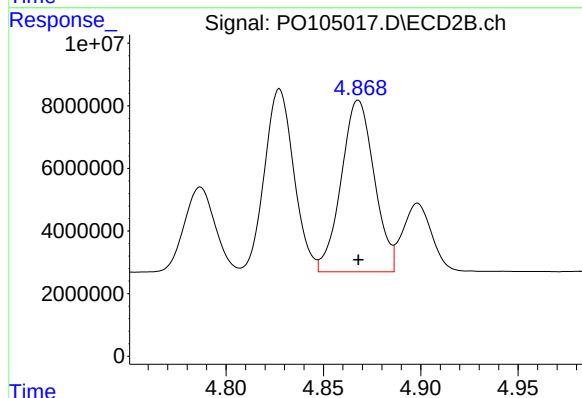
R.T.: 4.827 min
Delta R.T.: 0.000 min
Response: 61280906
Conc: 746.72 ng/ml



#23 AR-1248-3

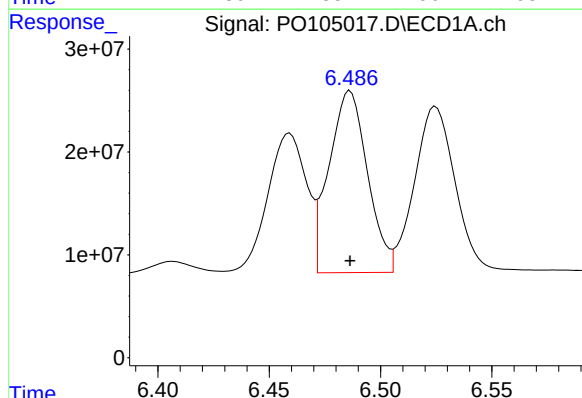
R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 180126917
Conc: 746.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



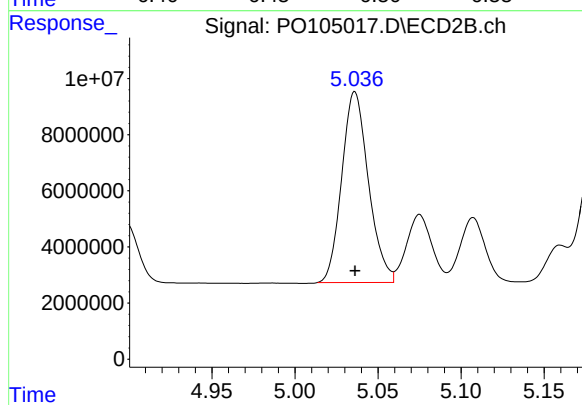
#23 AR-1248-3

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 64694123
Conc: 747.43 ng/ml



#24 AR-1248-4

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 212686445
Conc: 744.96 ng/ml



#24 AR-1248-4

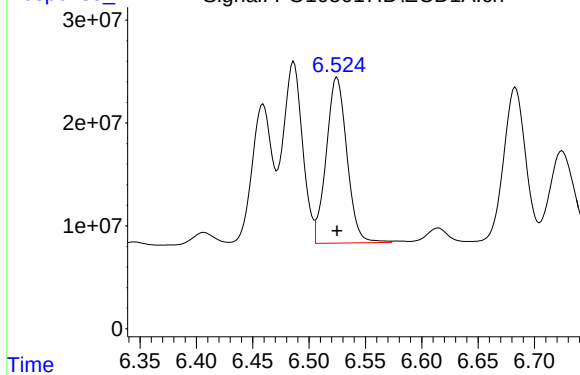
R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 76139910
Conc: 747.55 ng/ml

Response_

Signal: PO105017.D\ECD1A.ch

#25 AR-1248-5

ICAL Form



R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 206118090
Conc: 744.89 ng/ml

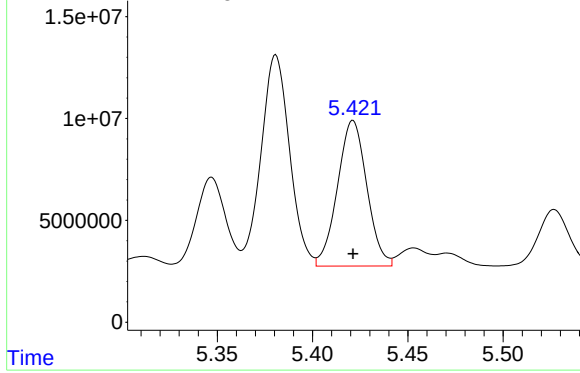
Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Time

Response_

Signal: PO105017.D\ECD2B.ch

#25 AR-1248-5



R.T.: 5.421 min
Delta R.T.: 0.000 min
Response: 76690455
Conc: 747.86 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 22:10
 Operator : YP/AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 05:27:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 05:26:30 2024
 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...	4.429	3.540	395.1E6	148.3E6	50.000	50.000
2) SA Decachlor...	10.218	8.435	287.8E6	89987394	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	5.599	4.596	81295778	31701660	500.000	500.000
22) L5 AR-1248-2	5.874	4.827	112.4E6	42907369	500.000	500.000
23) L5 AR-1248-3	6.079	4.868	125.2E6	45284631	500.000	500.000
24) L5 AR-1248-4	6.486	5.036	148.8E6	52997425	500.000	500.000
25) L5 AR-1248-5	6.525	5.421	145.5E6	52942902	500.000	500.000

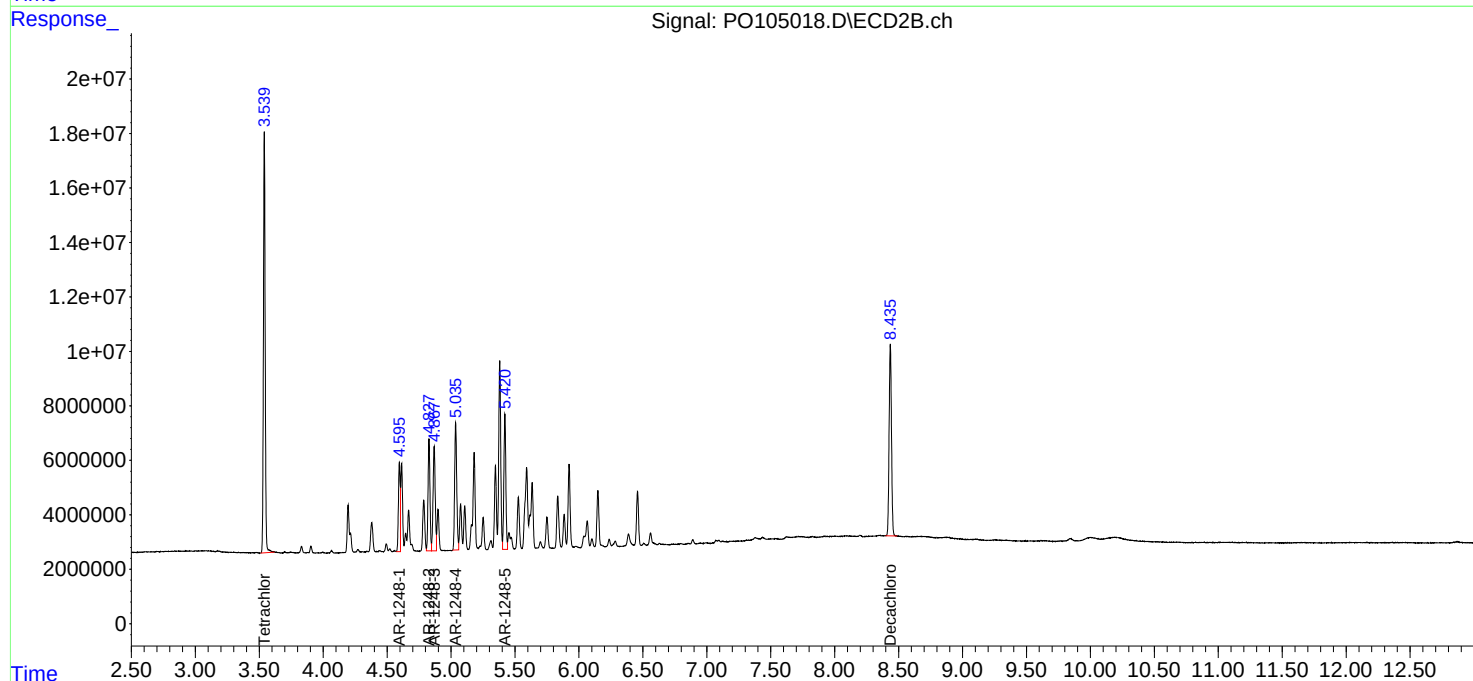
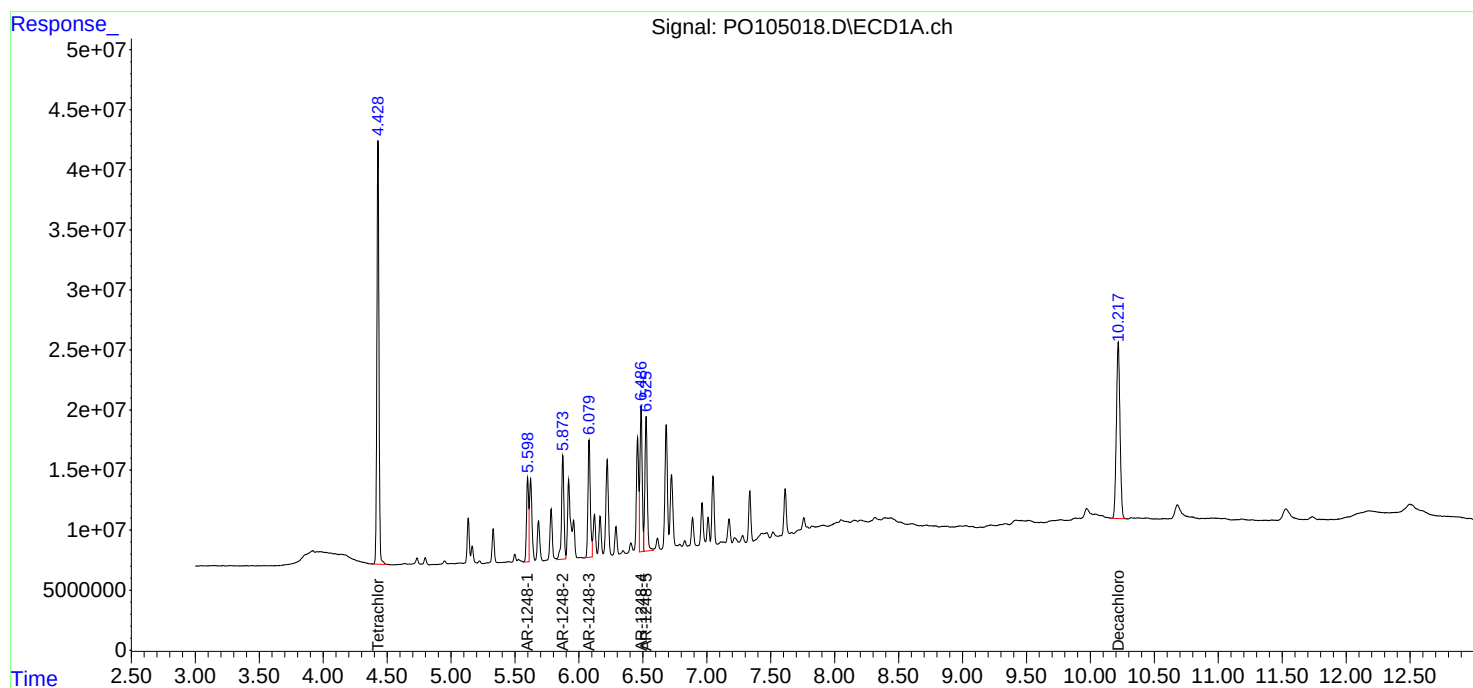
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

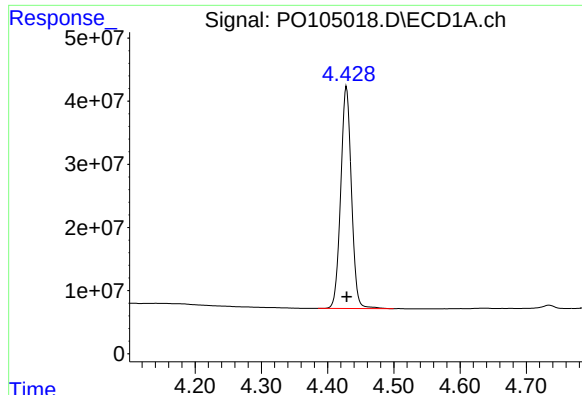
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 22:10
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:27:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:26:30 2024
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

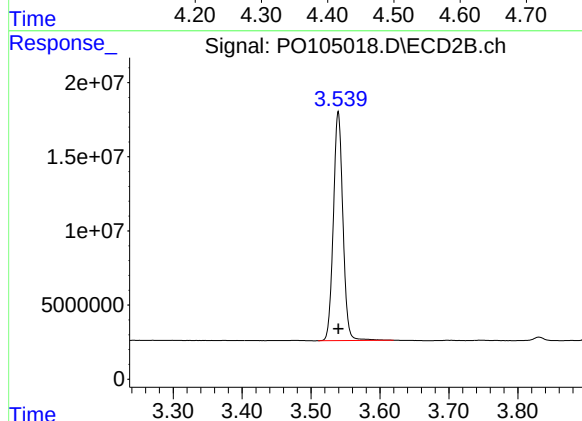




#1 Tetrachloro-m-xylene

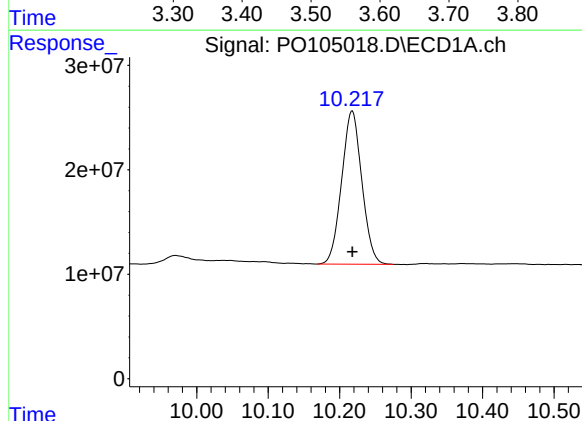
R.T.: 4.429 min
Delta R.T.: 0.000 min
Response: 395059420
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



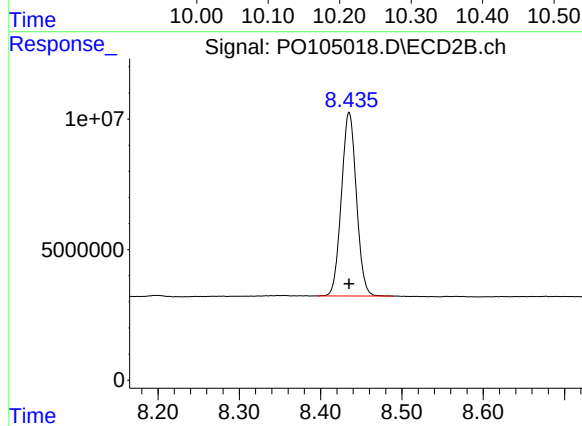
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 148320319
Conc: 50.00 ng/ml



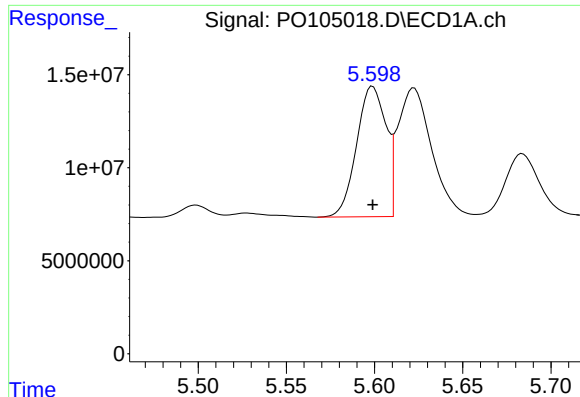
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 287772632
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

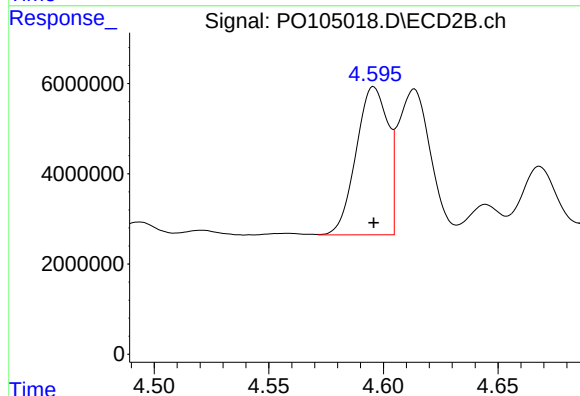
R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 89987394
Conc: 50.00 ng/ml



#21 AR-1248-1

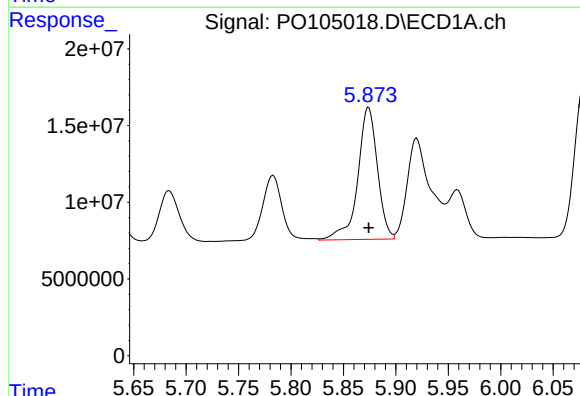
R.T.: 5.599 min
Delta R.T.: 0.000 min
Response: 81295778
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



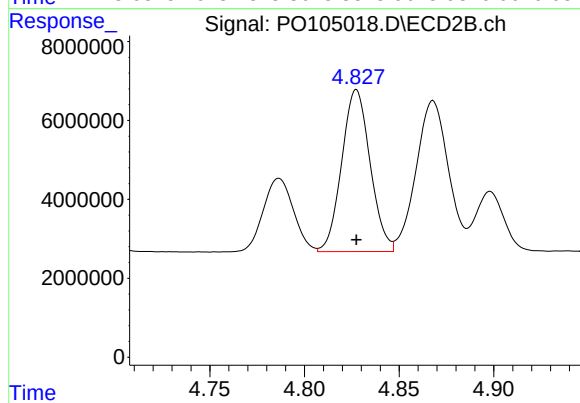
#21 AR-1248-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 31701660
Conc: 500.00 ng/ml



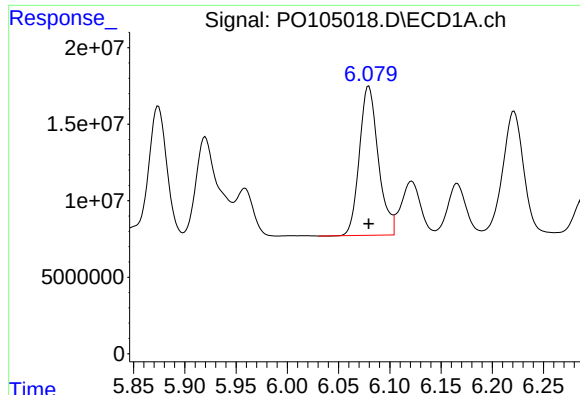
#22 AR-1248-2

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 112396559
Conc: 500.00 ng/ml



#22 AR-1248-2

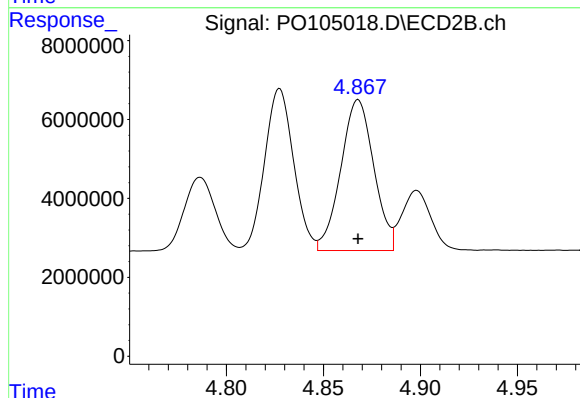
R.T.: 4.827 min
Delta R.T.: 0.000 min
Response: 42907369
Conc: 500.00 ng/ml



#23 AR-1248-3

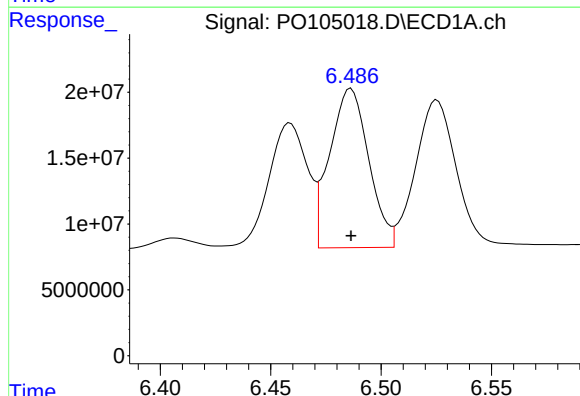
R.T.: 6.079 min
Delta R.T.: 0.000 min
Response: 125207689
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



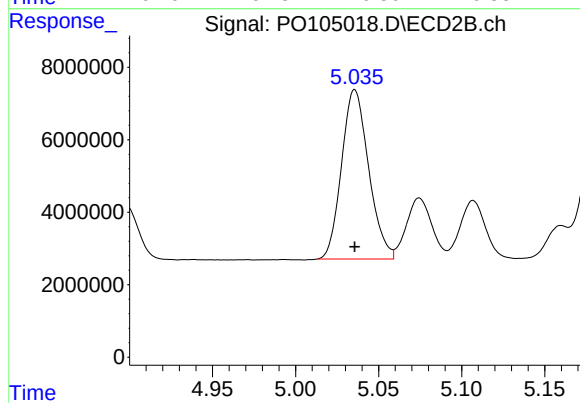
#23 AR-1248-3

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 45284631
Conc: 500.00 ng/ml



#24 AR-1248-4

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 148784024
Conc: 500.00 ng/ml



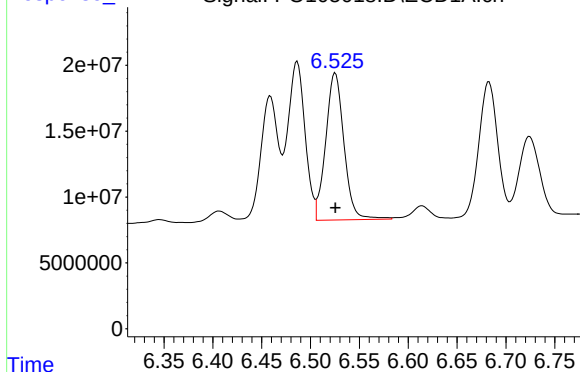
#24 AR-1248-4

R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 52997425
Conc: 500.00 ng/ml

Response_

Signal: PO105018.D\ECD1A.ch

#25 AR-1248-5



R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 145466239
Conc: 500.00 ng/ml

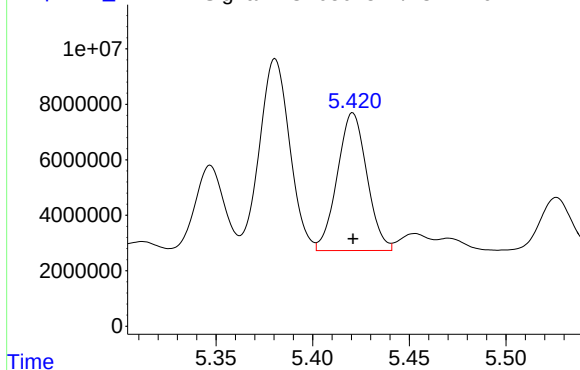
Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Time

Response_

Signal: PO105018.D\ECD2B.ch

#25 AR-1248-5



R.T.: 5.421 min
Delta R.T.: 0.000 min
Response: 52942902
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 22:27
 Operator : YP/AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:18:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:18:19 2024
 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...	4.428	3.539	199.4E6	74161553	25.657	25.435
2) SA Decachlor...	10.219	8.434	147.8E6	46969395	26.082	26.467
Target Compounds						
21) L5 AR-1248-1	5.598	4.595	41584942	16538288	264.175	266.330
22) L5 AR-1248-2	5.874	4.827	59217379	22625549	267.706	268.790
23) L5 AR-1248-3	6.080	4.868	65047740	23742238	264.511	267.794
24) L5 AR-1248-4	6.486	5.035	80460510	27543614	273.131	265.014
25) L5 AR-1248-5	6.525	5.420	76545967	27417209	269.453	262.800

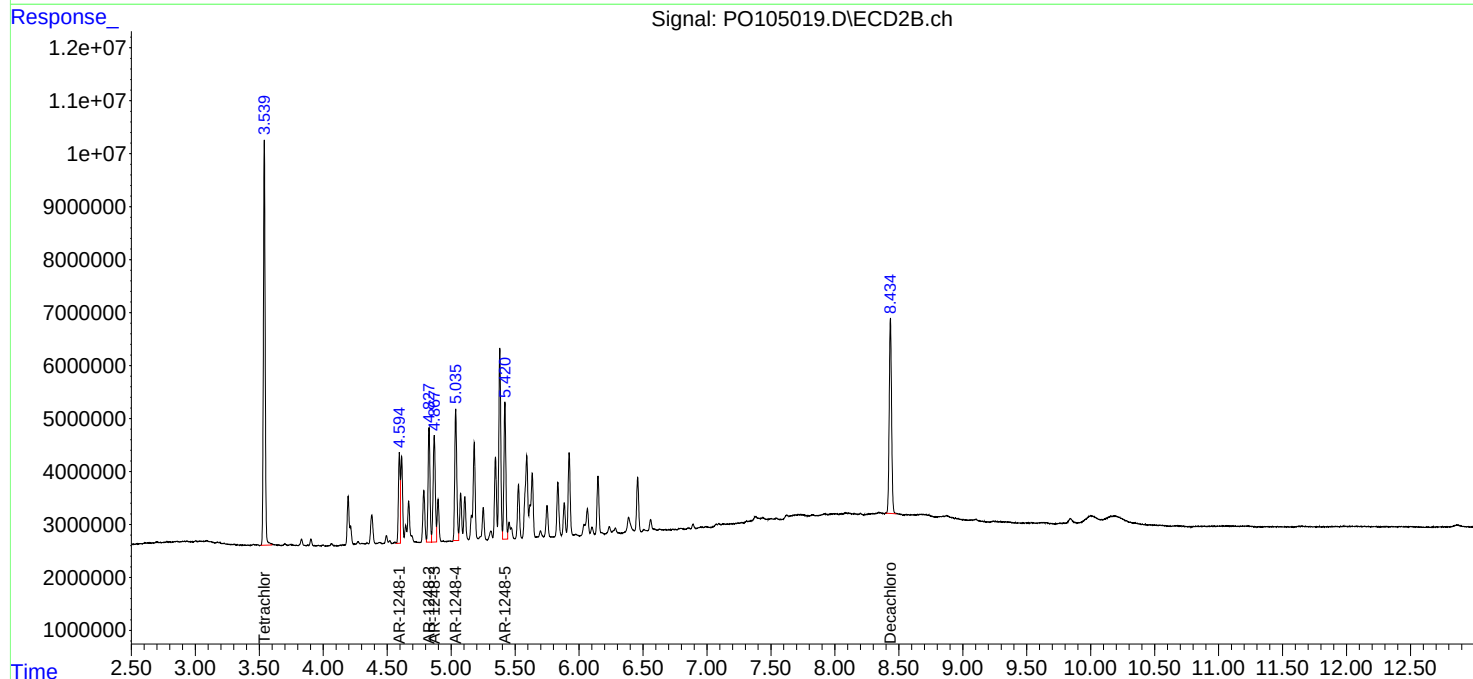
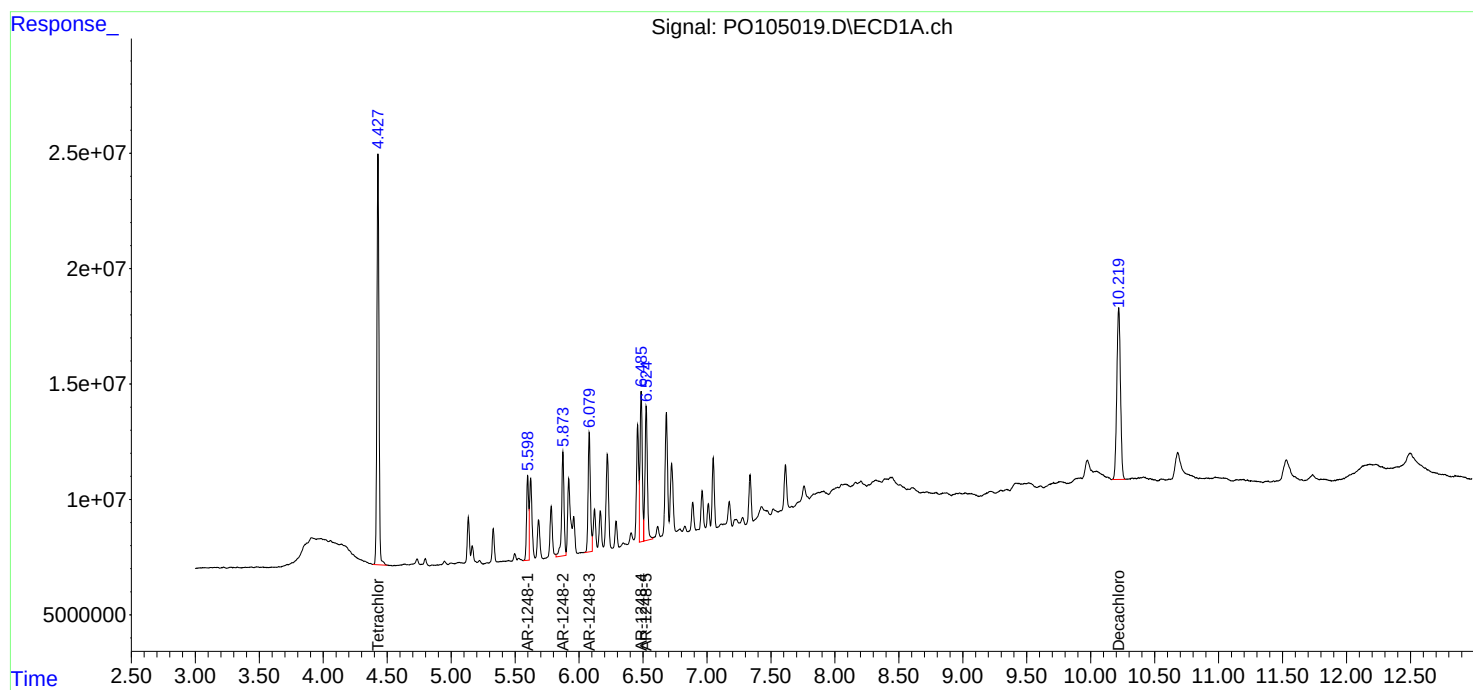
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 22:27
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:18:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:18:19 2024
Response via : Initial Calibration
Integrator: ChemStation

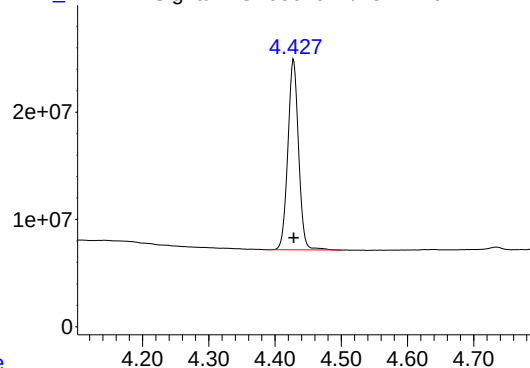
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PO105019.D\ECD1A.ch

#1 Tetrachloro-m-xylene



R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 199356396
Conc: 25.66 ng/ml

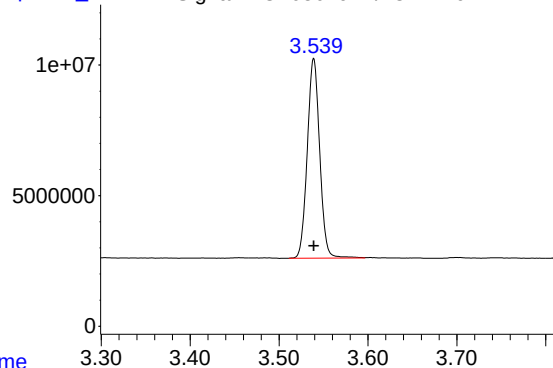
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Time

Response_

Signal: PO105019.D\ECD2B.ch

#1 Tetrachloro-m-xylene



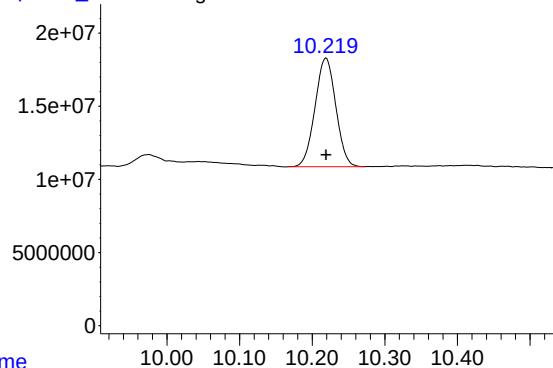
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 74161553
Conc: 25.44 ng/ml

Time

Response_

Signal: PO105019.D\ECD1A.ch

#2 Decachlorobiphenyl



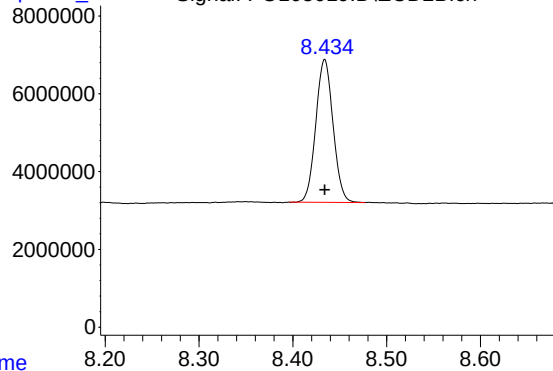
R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 147805309
Conc: 26.08 ng/ml

Time

Response_

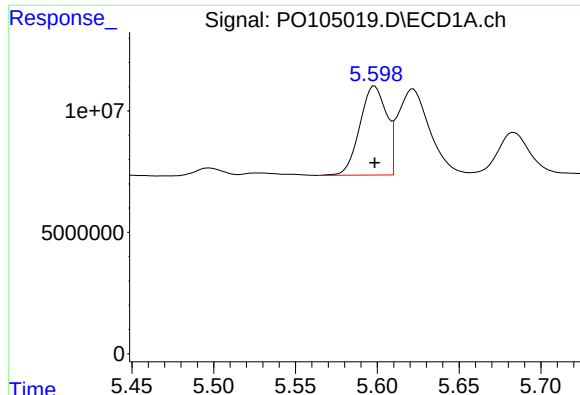
Signal: PO105019.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 8.434 min
Delta R.T.: 0.000 min
Response: 46969395
Conc: 26.47 ng/ml

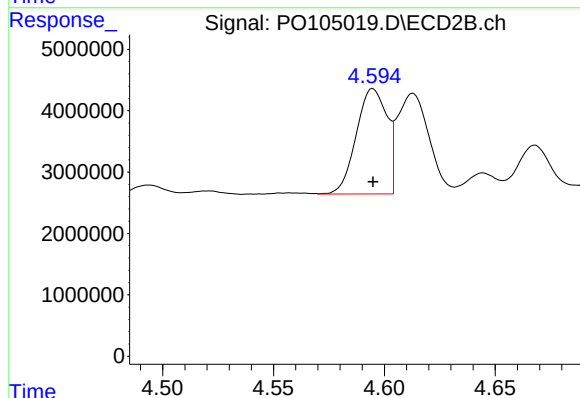
Time



#21 AR-1248-1

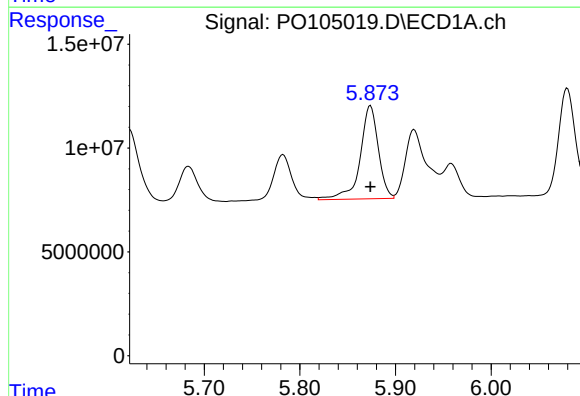
R.T.: 5.598 min
Delta R.T.: 0.000 min
Response: 41584942
Conc: 264.18 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



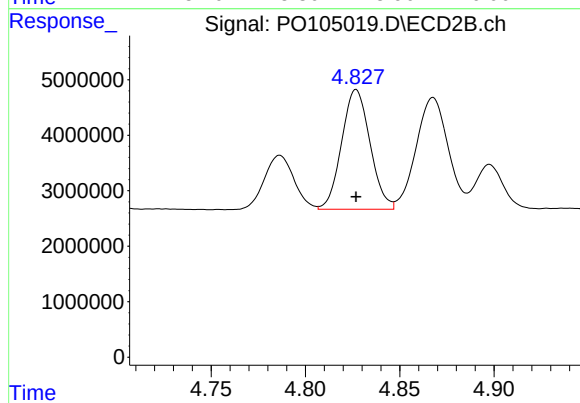
#21 AR-1248-1

R.T.: 4.595 min
Delta R.T.: 0.000 min
Response: 16538288
Conc: 266.33 ng/ml



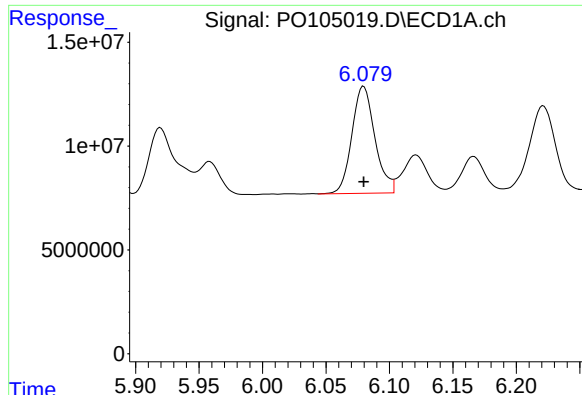
#22 AR-1248-2

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 59217379
Conc: 267.71 ng/ml



#22 AR-1248-2

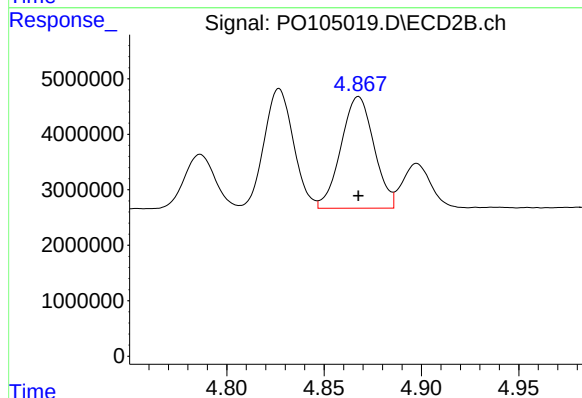
R.T.: 4.827 min
Delta R.T.: 0.000 min
Response: 22625549
Conc: 268.79 ng/ml



#23 AR-1248-3

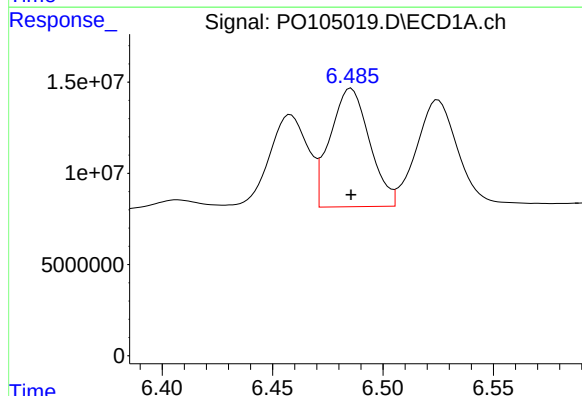
R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 65047740
Conc: 264.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



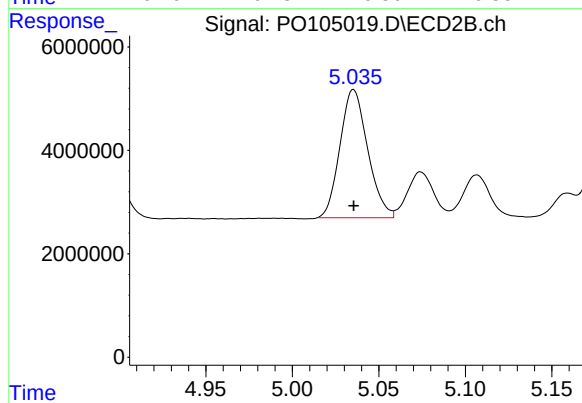
#23 AR-1248-3

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 23742238
Conc: 267.79 ng/ml



#24 AR-1248-4

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 80460510
Conc: 273.13 ng/ml



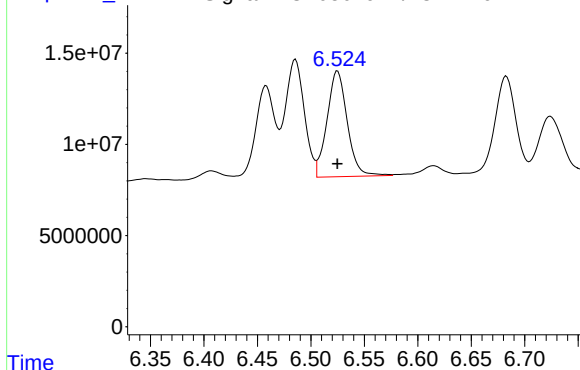
#24 AR-1248-4

R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 27543614
Conc: 265.01 ng/ml

Response_

Signal: PO105019.D\ECD1A.ch

#25 AR-1248-5



R.T.: 6.525 min

Delta R.T.: 0.000 min

Response: 76545967

Conc: 269.45 ng/ml

Instrument :

ECD_O

ClientSampleId :

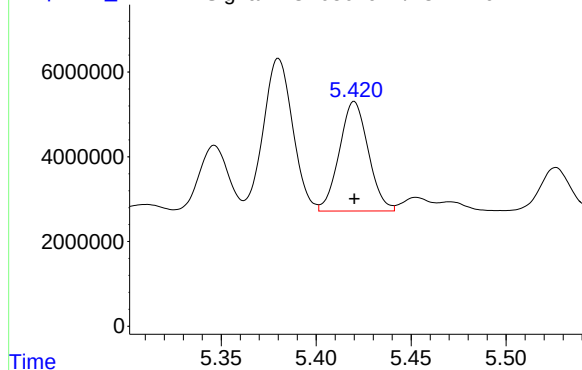
AR1248ICC250

Time

Response_

Signal: PO105019.D\ECD2B.ch

#25 AR-1248-5



R.T.: 5.420 min

Delta R.T.: 0.000 min

Response: 27417209

Conc: 262.80 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 22:44
 Operator : YP/AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:21:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:21:01 2024
 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...	4.428	3.539	33161743	12565568	4.397	4.432
2) SA Decachlor...	10.219	8.435	24079022	9019812	4.381	5.066
Target Compounds						
21) L5 AR-1248-1	5.598	4.596	7274292	2901303	46.922	47.343
22) L5 AR-1248-2	5.874	4.827	10907150	3945244	49.445	47.464
23) L5 AR-1248-3	6.080	4.868	12197041	4055015	49.678	46.531
24) L5 AR-1248-4	6.485	5.036	16708880	5013428	54.597m	48.580
25) L5 AR-1248-5	6.524	5.420	14238372	4838408	49.898m	47.059

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 22:44
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

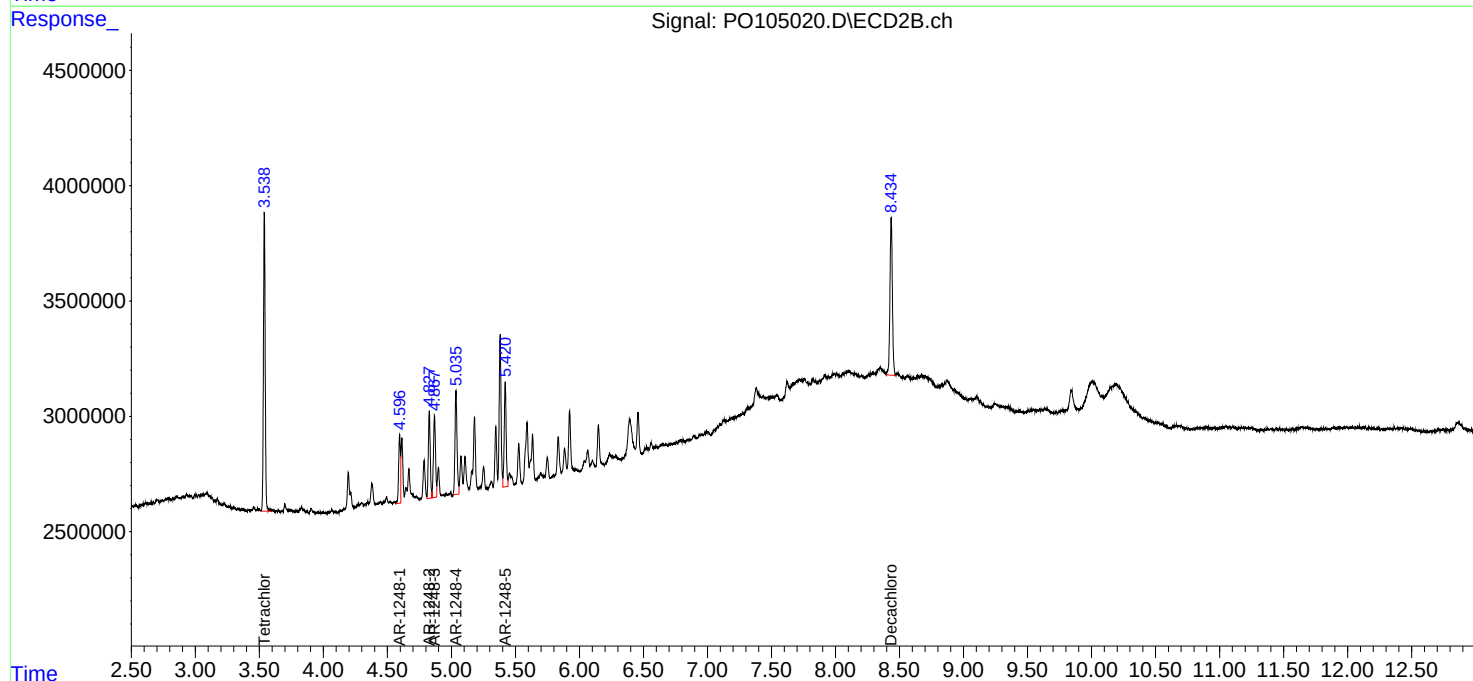
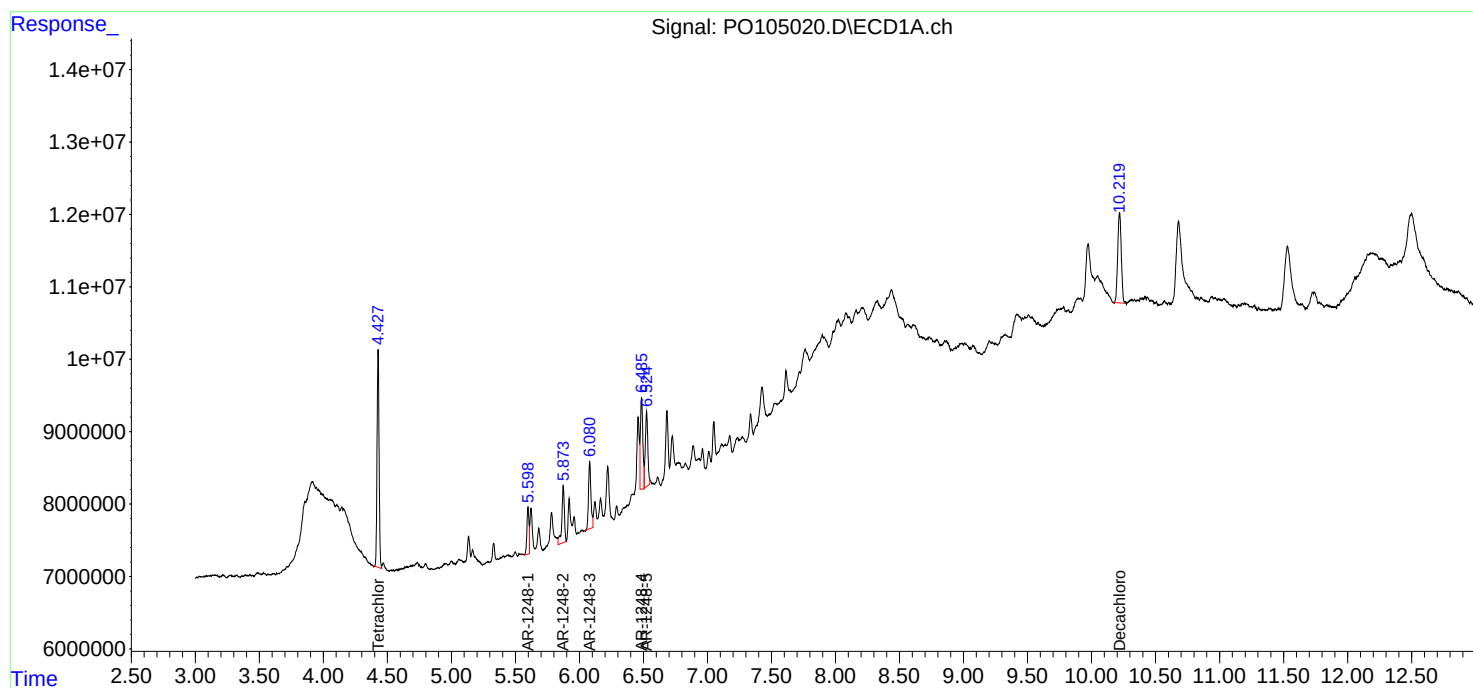
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

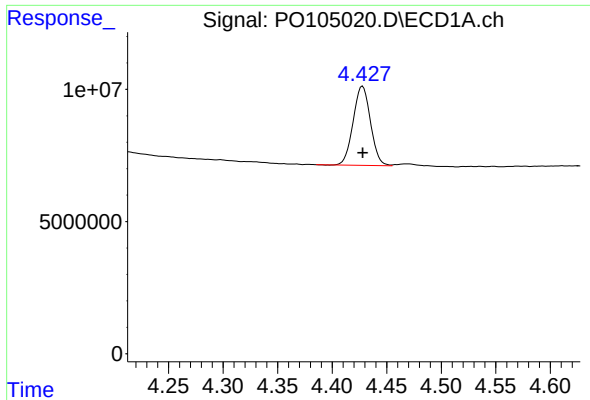
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:21:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:21:01 2024
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

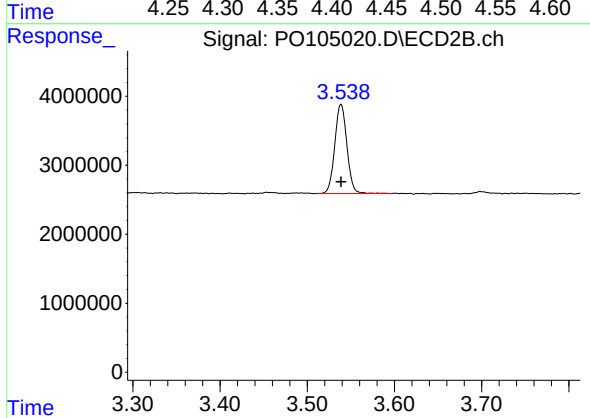
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 33161743
Conc: 4.40 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

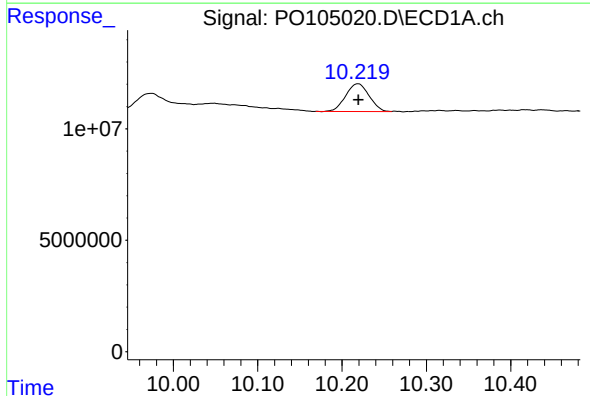
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



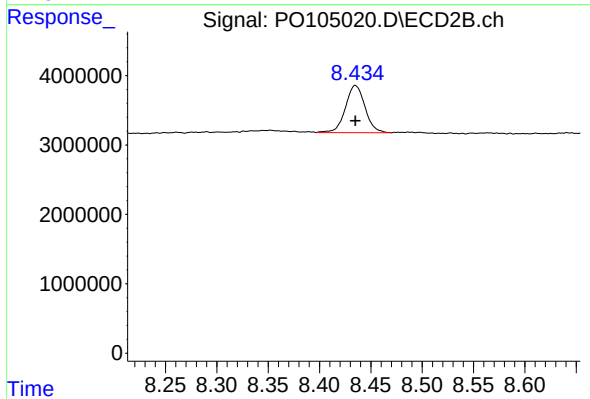
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 12565568
Conc: 4.43 ng/ml



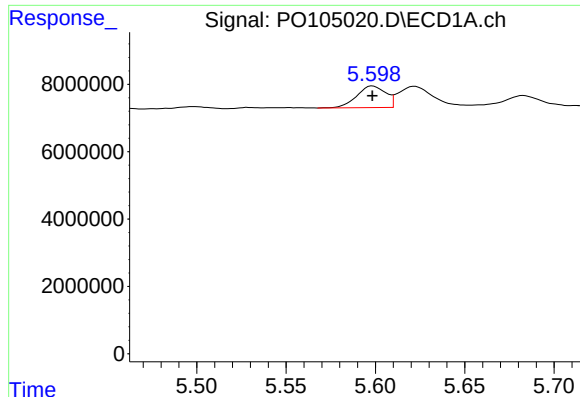
#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 24079022
Conc: 4.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 9019812
Conc: 5.07 ng/ml



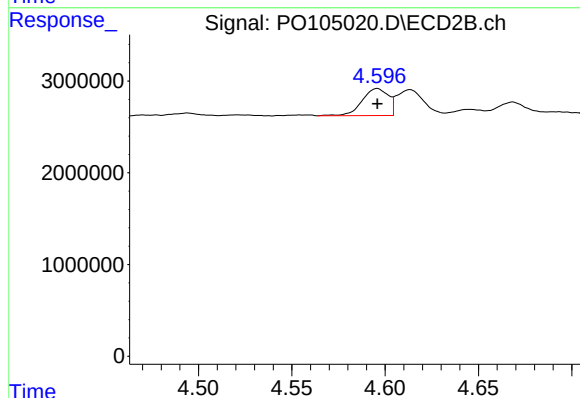
#21 AR-1248-1

R.T.: 5.598 min
Delta R.T.: 0.000 min
Response: 7274292
Conc: 46.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

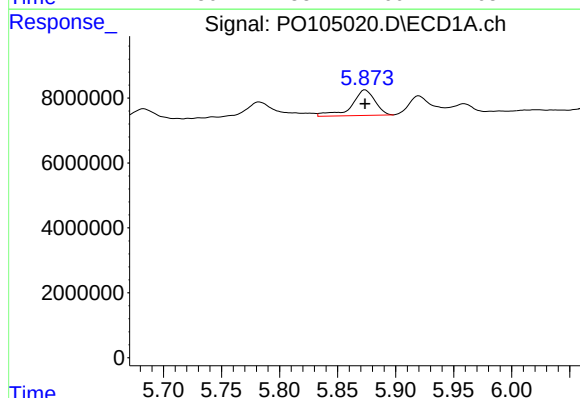
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



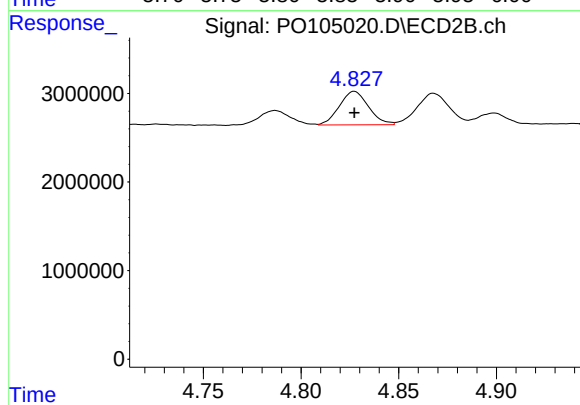
#21 AR-1248-1

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 2901303
Conc: 47.34 ng/ml



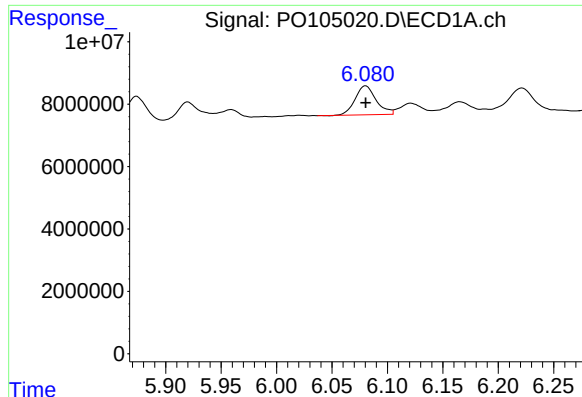
#22 AR-1248-2

R.T.: 5.874 min
Delta R.T.: 0.000 min
Response: 10907150
Conc: 49.45 ng/ml



#22 AR-1248-2

R.T.: 4.827 min
Delta R.T.: 0.000 min
Response: 3945244
Conc: 47.46 ng/ml



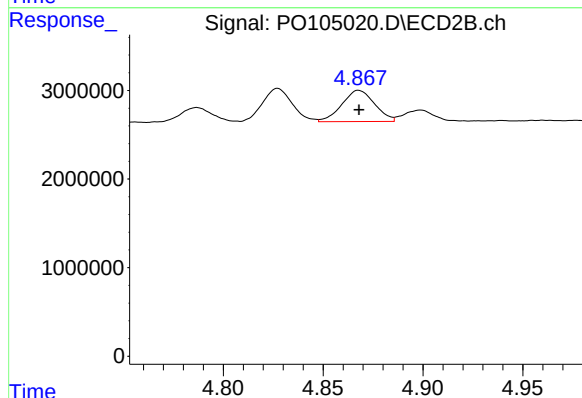
#23 AR-1248-3

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 12197041
Conc: 49.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

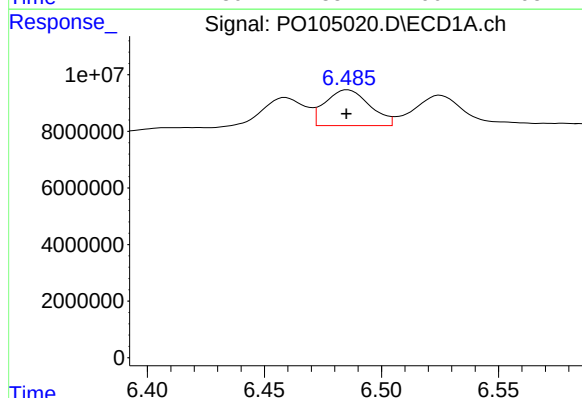
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



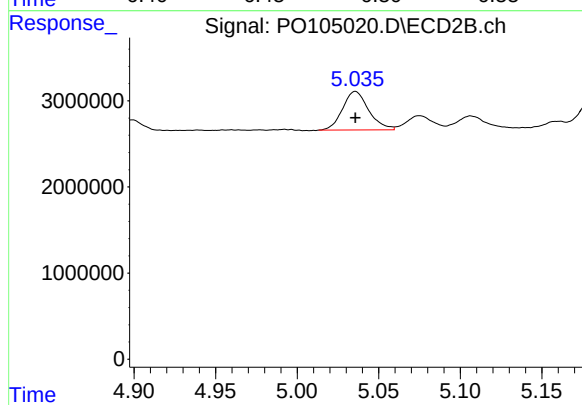
#23 AR-1248-3

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 4055015
Conc: 46.53 ng/ml



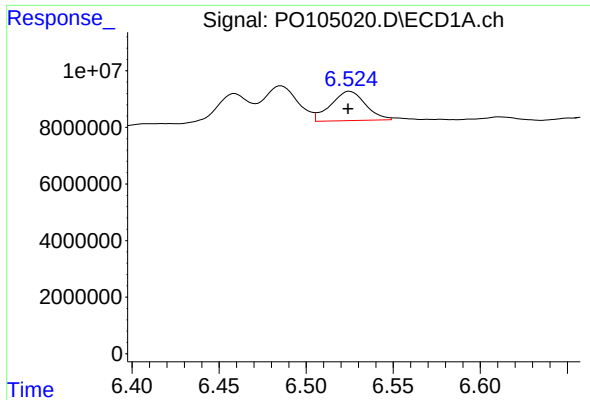
#24 AR-1248-4

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 16708880
Conc: 54.60 ng/ml m



#24 AR-1248-4

R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 5013428
Conc: 48.58 ng/ml



#25 AR-1248-5

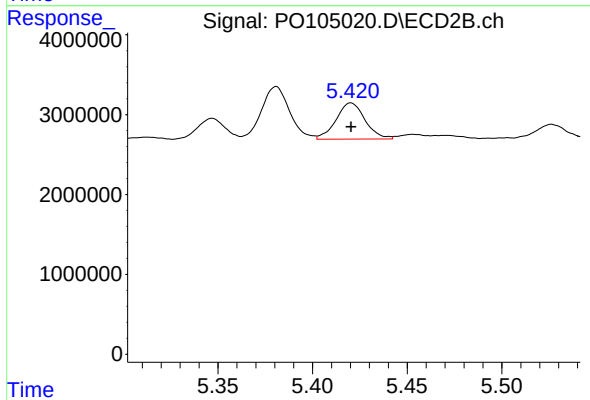
R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 14238372
Conc: 49.90 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



#25 AR-1248-5

R.T.: 5.420 min
Delta R.T.: 0.000 min
Response: 4838408
Conc: 47.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 23:01
 Operator : YP/AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:32:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:32:49 2024
 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...	4.428	3.539	756.2E6	285.3E6	98.343	98.832
2) SA Decachlor...	10.219	8.435	540.0E6	168.5E6	97.336	96.804
Target Compounds						
26) L6 AR-1254-1	6.461	5.381	267.2E6	143.6E6	959.167	968.140
27) L6 AR-1254-2	6.681	5.526	394.2E6	127.1E6	968.572	964.334
28) L6 AR-1254-3	7.050	5.923	410.7E6	204.9E6	976.252	972.072
29) L6 AR-1254-4	7.337	6.148	307.7E6	128.4E6	972.286	971.539
30) L6 AR-1254-5	7.760	6.561	343.2E6	180.3E6	967.859	971.699

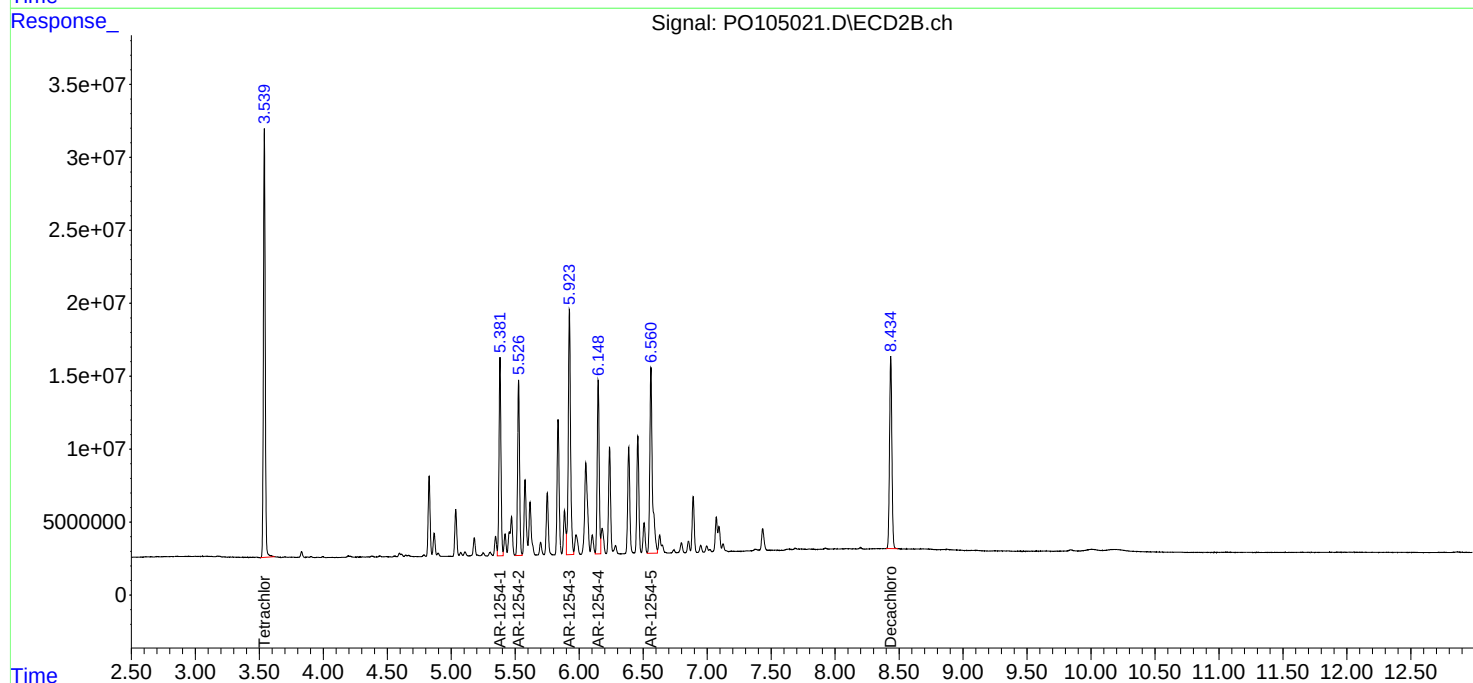
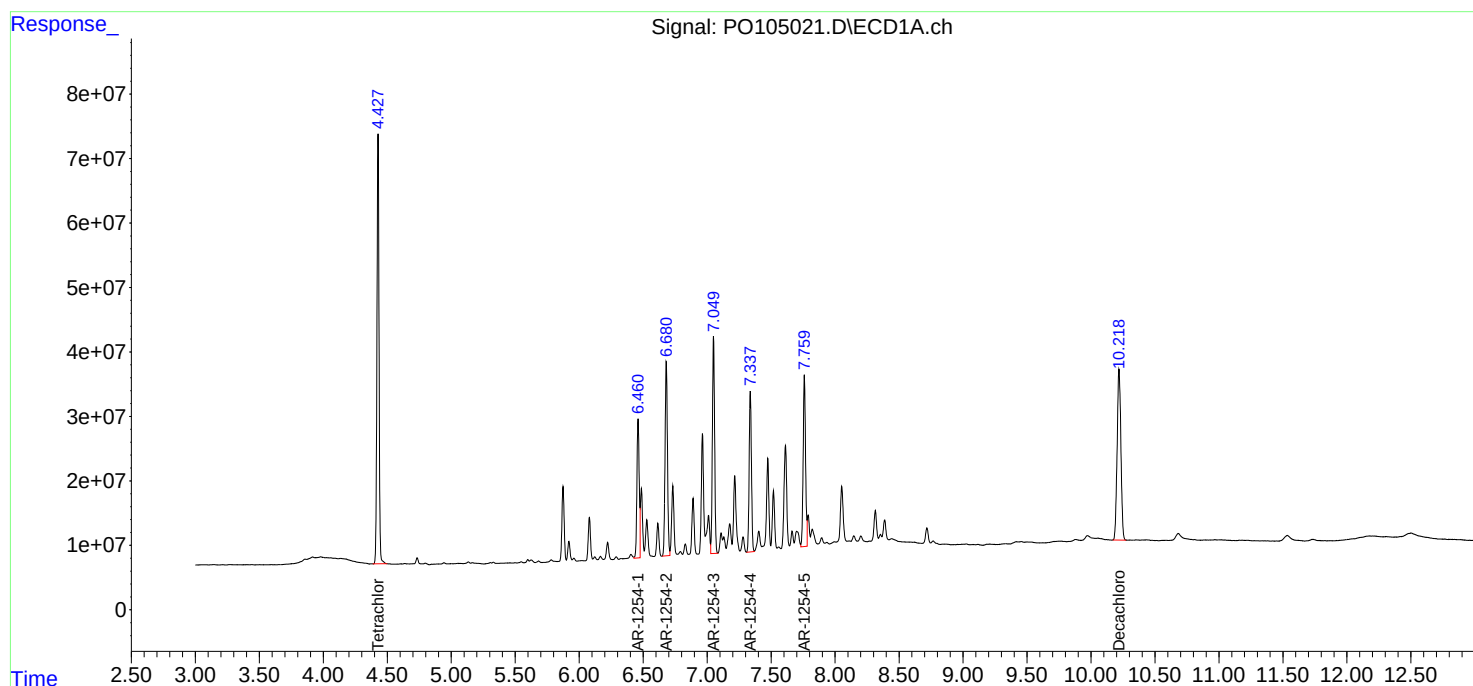
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

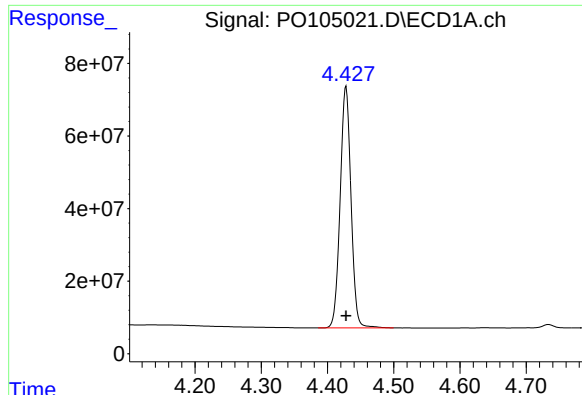
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 23:01
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:32:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:32:49 2024
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

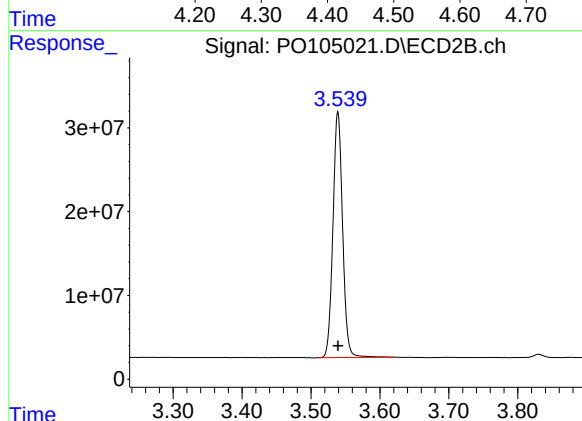




#1 Tetrachloro-m-xylene

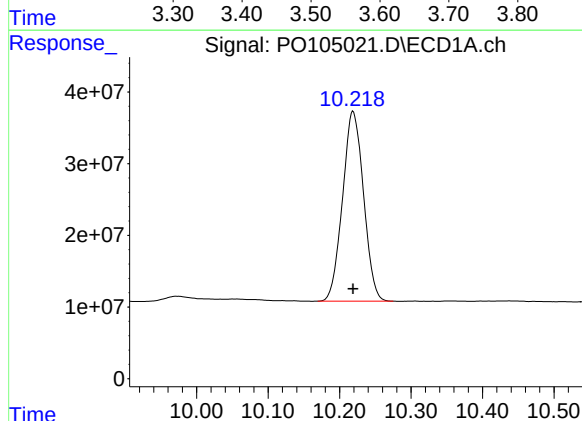
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 756195061
Conc: 98.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



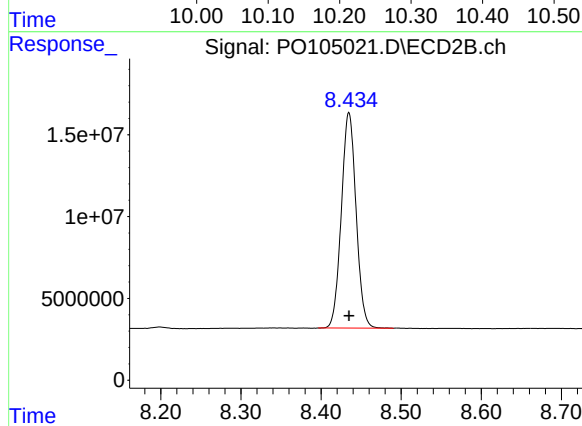
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 285329738
Conc: 98.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 540049711
Conc: 97.34 ng/ml



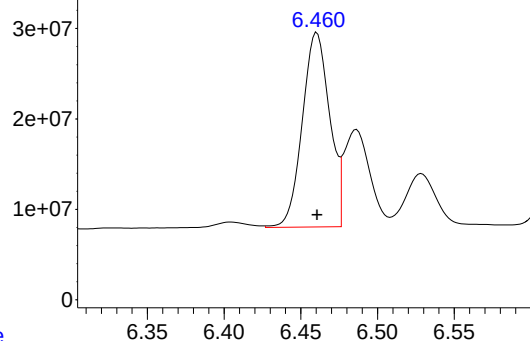
#2 Decachlorobiphenyl

R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 168473580
Conc: 96.80 ng/ml

Response_

Signal: PO105021.D\ECD1A.ch

#26 AR-1254-1



R.T.: 6.461 min
Delta R.T.: 0.000 min
Response: 267232571
Conc: 959.17 ng/ml

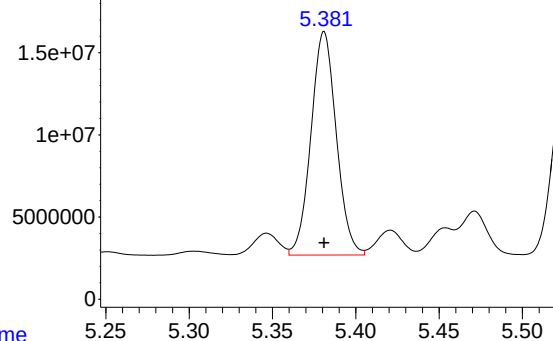
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Time

Response_

Signal: PO105021.D\ECD2B.ch

#26 AR-1254-1



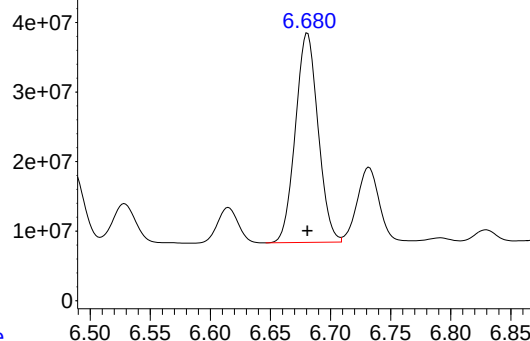
R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 143630187
Conc: 968.14 ng/ml

Time

Response_

Signal: PO105021.D\ECD1A.ch

#27 AR-1254-2



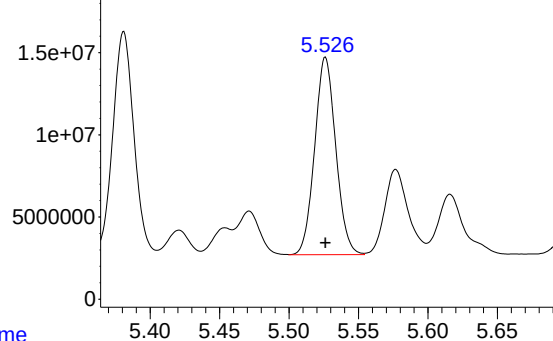
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 394170856
Conc: 968.57 ng/ml

Time

Response_

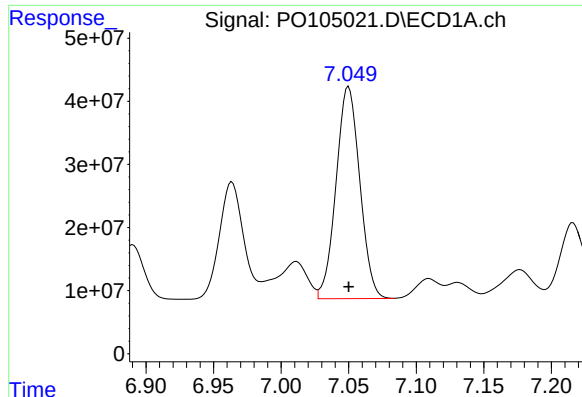
Signal: PO105021.D\ECD2B.ch

#27 AR-1254-2



R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 127051099
Conc: 964.33 ng/ml

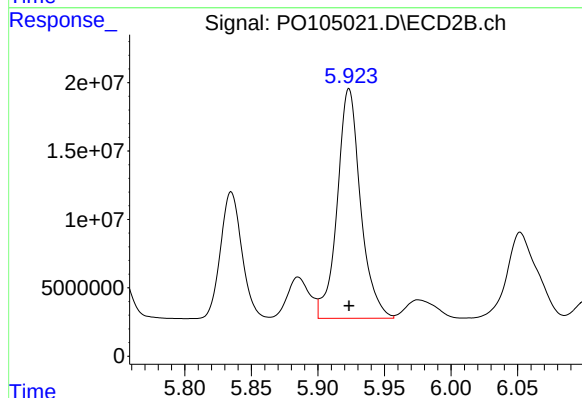
Time



#28 AR-1254-3

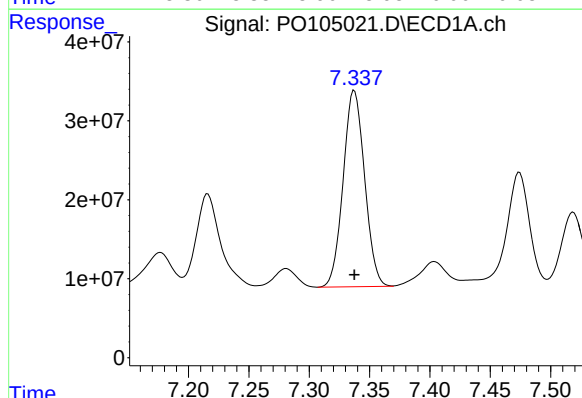
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 410730993
Conc: 976.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000



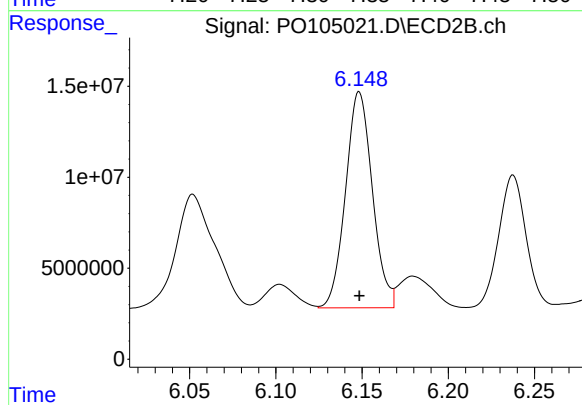
#28 AR-1254-3

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 204922179
Conc: 972.07 ng/ml



#29 AR-1254-4

R.T.: 7.337 min
Delta R.T.: 0.000 min
Response: 307664404
Conc: 972.29 ng/ml



#29 AR-1254-4

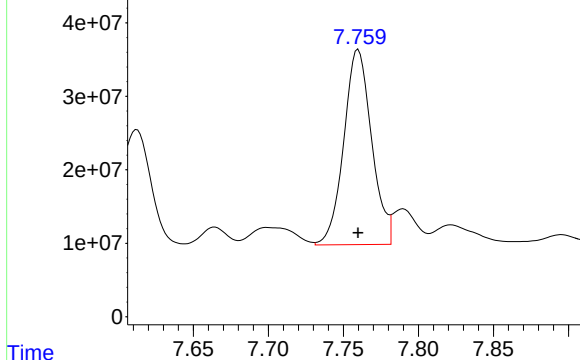
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 128375189
Conc: 971.54 ng/ml

Response_

Signal: PO105021.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 7.760 min
Delta R.T.: 0.000 min
Response: 343202562
Conc: 967.86 ng/ml

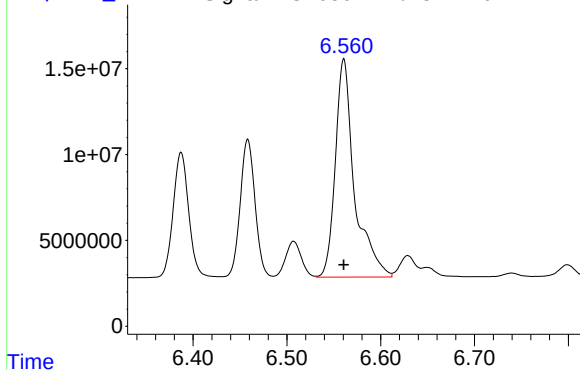
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Time

Response_

Signal: PO105021.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.561 min
Delta R.T.: 0.000 min
Response: 180345921
Conc: 971.70 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 23:19
 Operator : YP/AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:34:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:34:35 2024
 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...	4.428	3.539	572.8E6	214.7E6	74.661	74.578
2) SA Decachlor...	10.219	8.435	414.5E6	129.8E6	74.807	74.722
Target Compounds						
26) L6 AR-1254-1	6.460	5.380	206.3E6	110.5E6	743.579	746.751
27) L6 AR-1254-2	6.680	5.526	303.1E6	98425491	746.586	748.039
28) L6 AR-1254-3	7.049	5.923	314.8E6	156.9E6	748.796	746.232
29) L6 AR-1254-4	7.337	6.148	237.1E6	98820925	749.493	748.581
30) L6 AR-1254-5	7.760	6.560	264.2E6	138.4E6	746.689	747.269

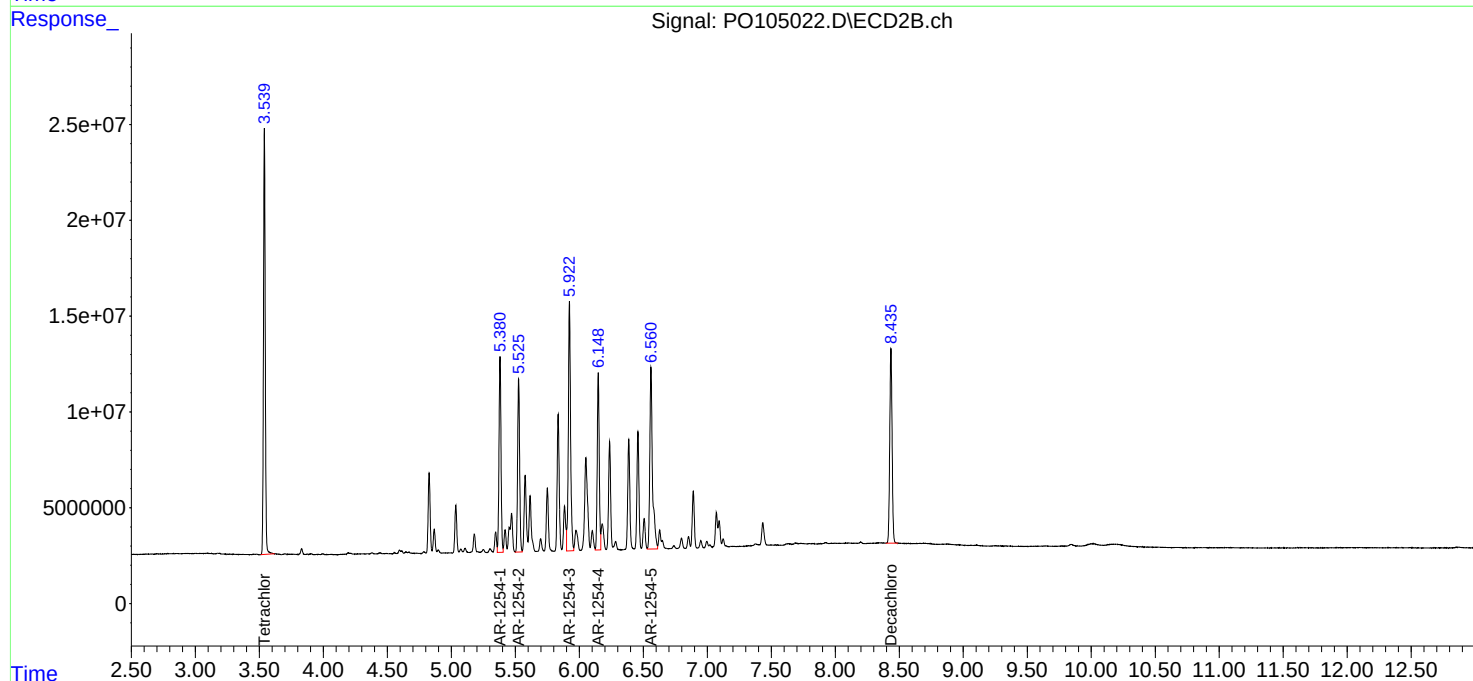
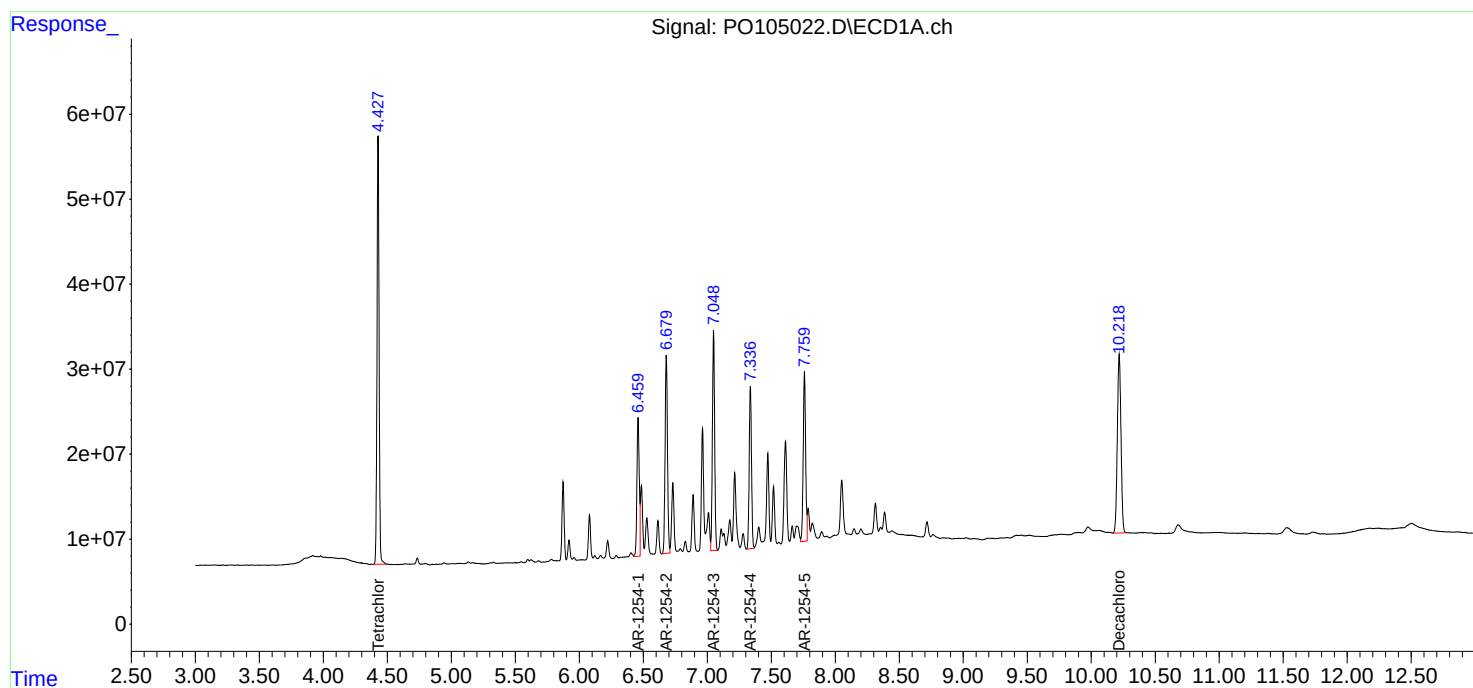
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 23:19
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:34:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:34:35 2024
Response via : Initial Calibration
Integrator: ChemStation

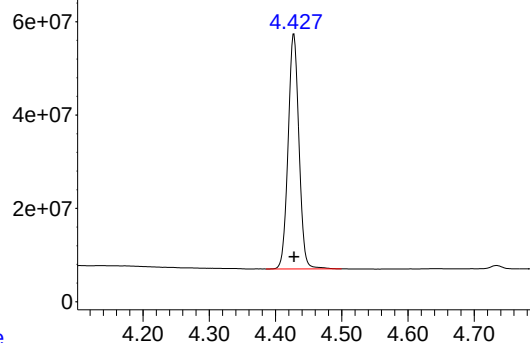
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PO105022.D\ECD1A.ch

#1 Tetrachloro-m-xylene



R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 572798166
Conc: 74.66 ng/ml

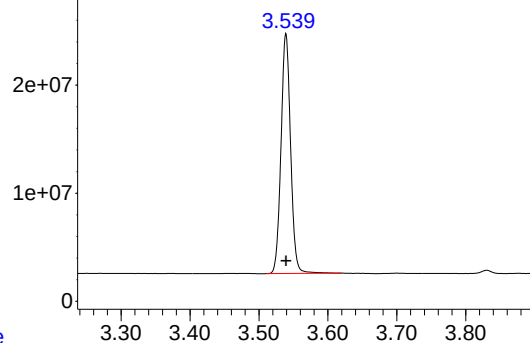
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Time

Response_

Signal: PO105022.D\ECD2B.ch

#1 Tetrachloro-m-xylene



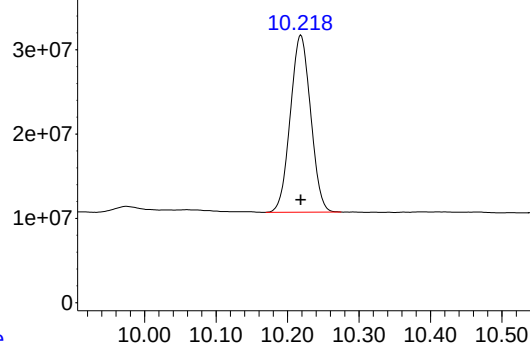
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 214702367
Conc: 74.58 ng/ml

Time

Response_

Signal: PO105022.D\ECD1A.ch

#2 Decachlorobiphenyl



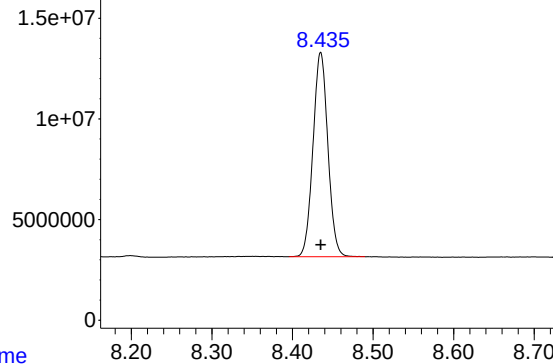
R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 414521153
Conc: 74.81 ng/ml

Time

Response_

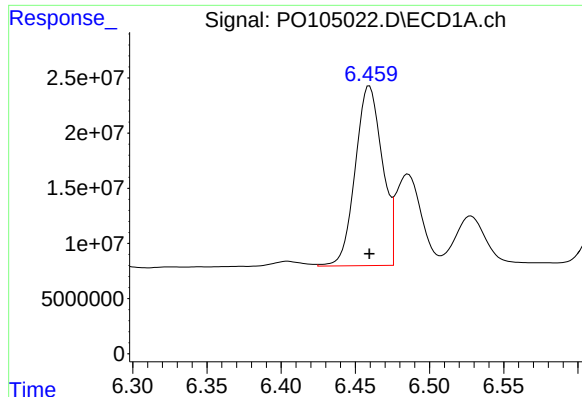
Signal: PO105022.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 129803462
Conc: 74.72 ng/ml

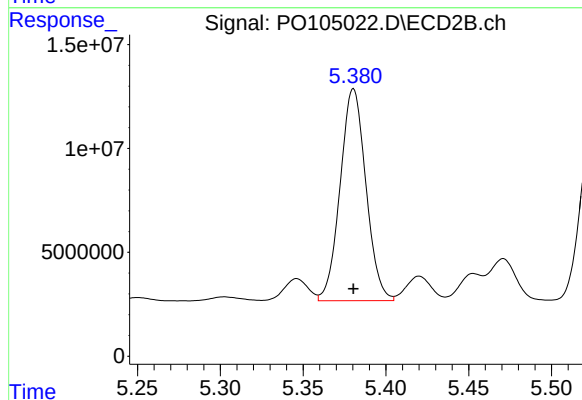
Time



#26 AR-1254-1

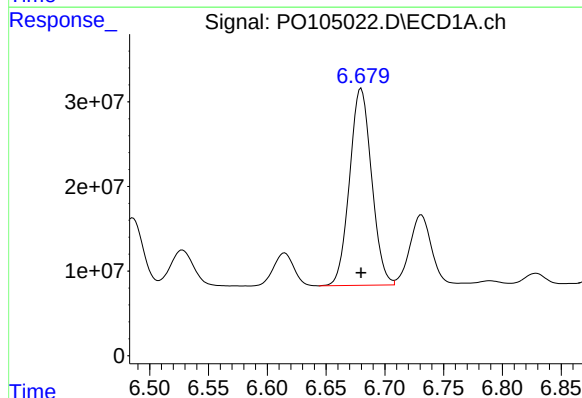
R.T.: 6.460 min
Delta R.T.: 0.000 min
Response: 206284948
Conc: 743.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



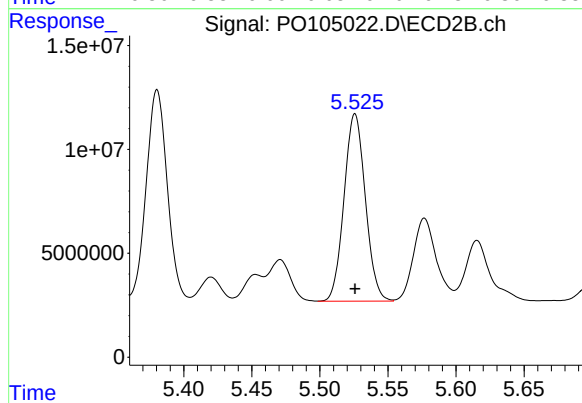
#26 AR-1254-1

R.T.: 5.380 min
Delta R.T.: 0.000 min
Response: 110546131
Conc: 746.75 ng/ml



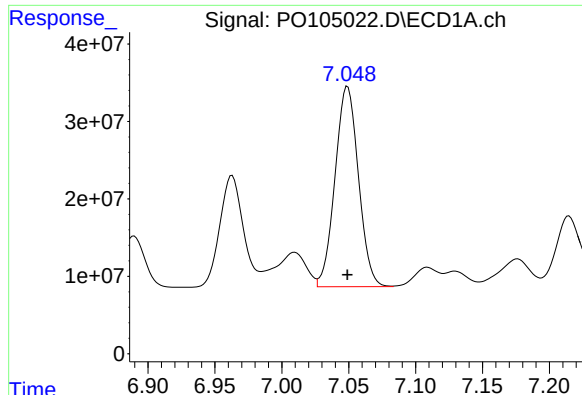
#27 AR-1254-2

R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 303141496
Conc: 746.59 ng/ml



#27 AR-1254-2

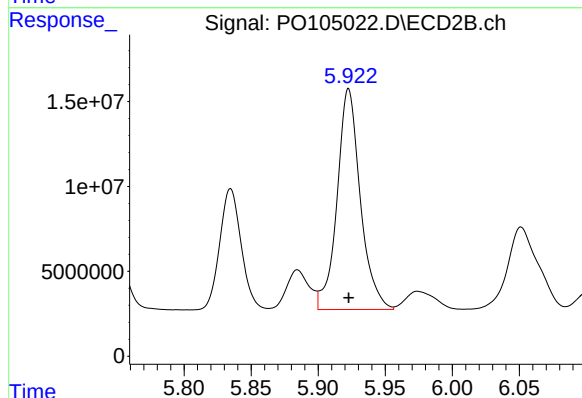
R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 98425491
Conc: 748.04 ng/ml



#28 AR-1254-3

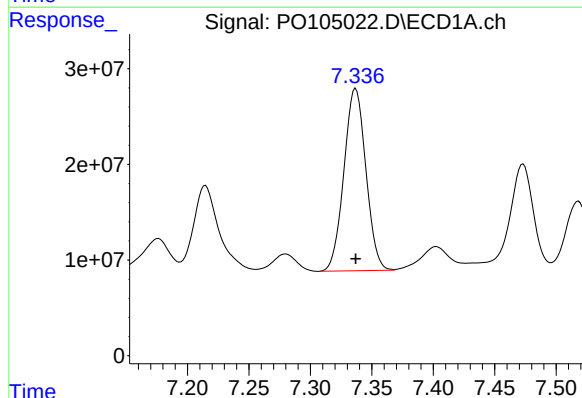
R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 314782529
Conc: 748.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



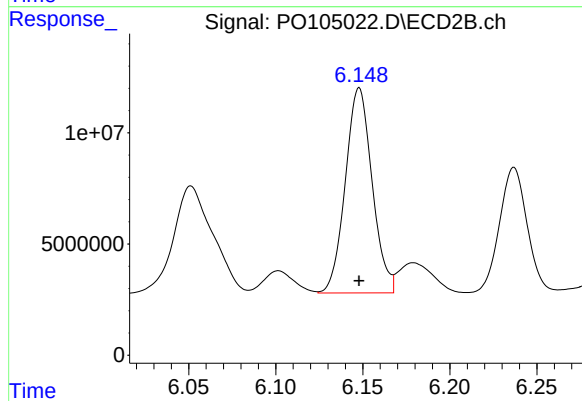
#28 AR-1254-3

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 156918583
Conc: 746.23 ng/ml



#29 AR-1254-4

R.T.: 7.337 min
Delta R.T.: 0.000 min
Response: 237085041
Conc: 749.49 ng/ml



#29 AR-1254-4

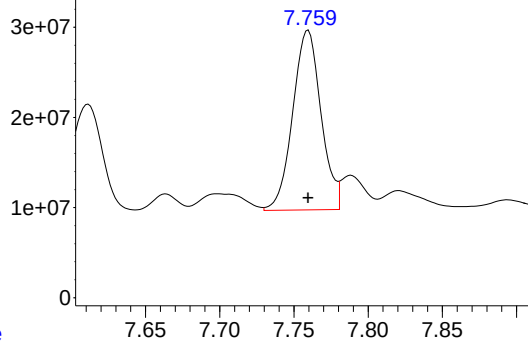
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 98820925
Conc: 748.58 ng/ml

Response_

Signal: PO105022.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 7.760 min
Delta R.T.: 0.000 min
Response: 264192410
Conc: 746.69 ng/ml

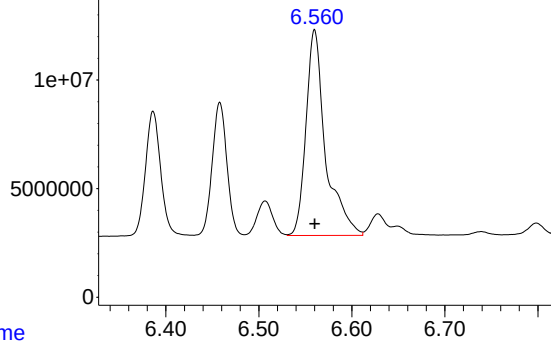
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Time

Response_

Signal: PO105022.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.560 min
Delta R.T.: 0.000 min
Response: 138439915
Conc: 747.27 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 23:36
 Operator : YP/AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:29:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:27:40 2024
 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...	4.428	3.539	390.8E6	146.0E6	50.000	50.000
2) SA Decachlor...	10.218	8.435	284.8E6	89799426	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	6.460	5.382	145.0E6	76541683	500.000	500.000
27) L6 AR-1254-2	6.681	5.527	209.9E6	68224509	500.000	500.000
28) L6 AR-1254-3	7.050	5.923	215.4E6	108.3E6	500.000	500.000
29) L6 AR-1254-4	7.337	6.149	162.6E6	67948333	500.000	500.000
30) L6 AR-1254-5	7.759	6.561	183.0E6	95425552	500.000	500.000

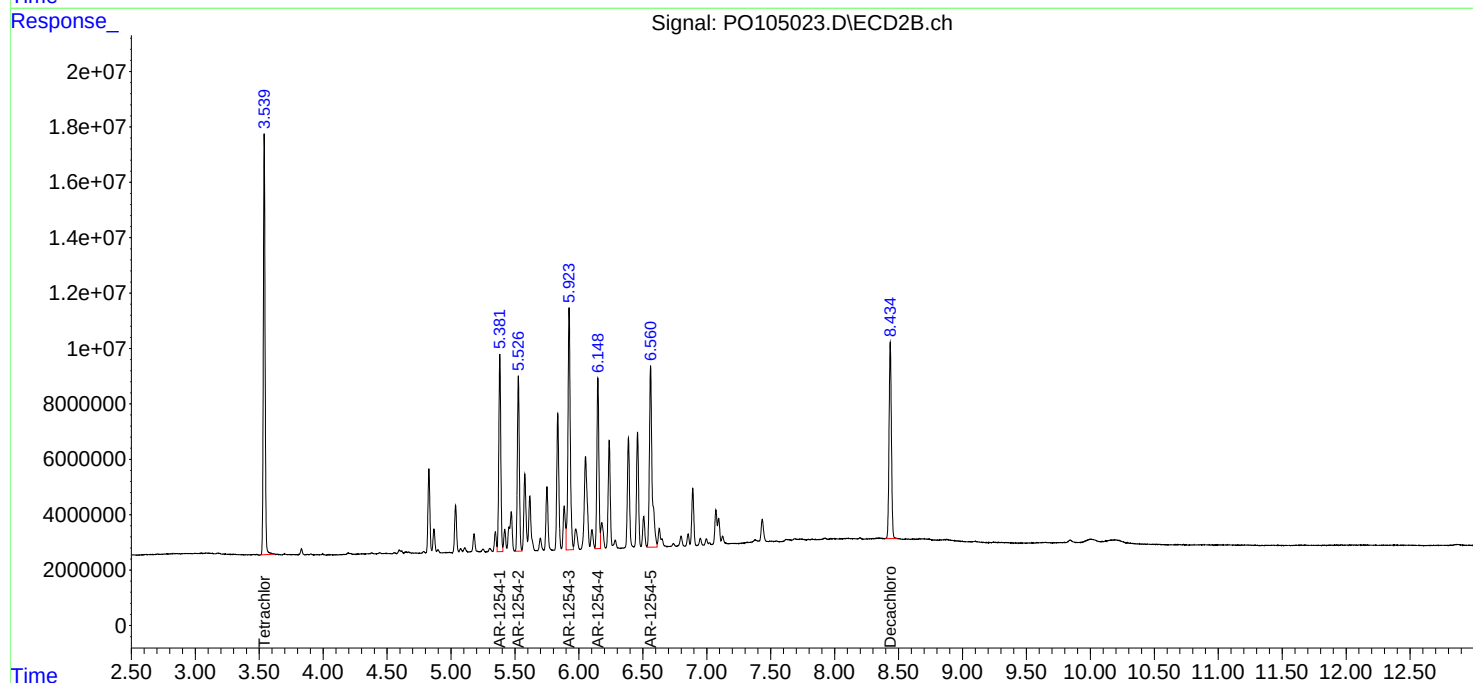
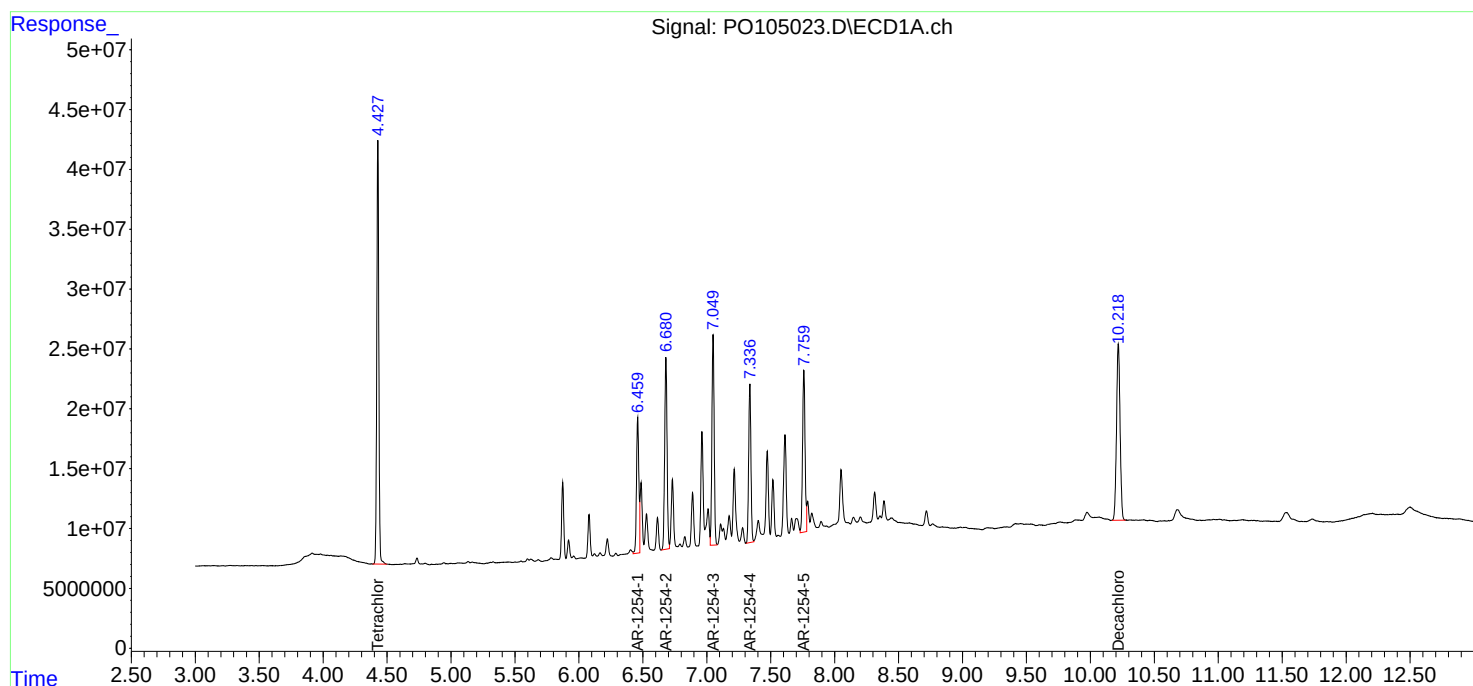
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

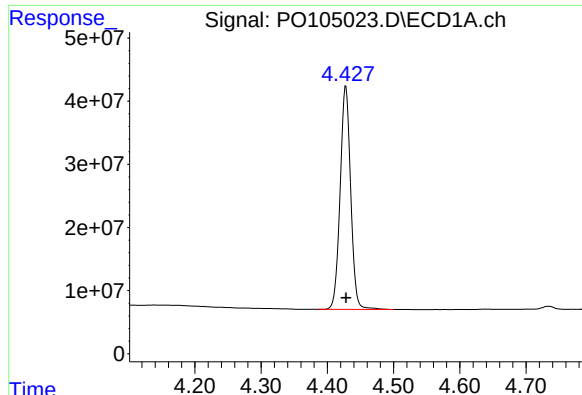
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
Data File : P0105023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 23:36
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:29:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:27:40 2024
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

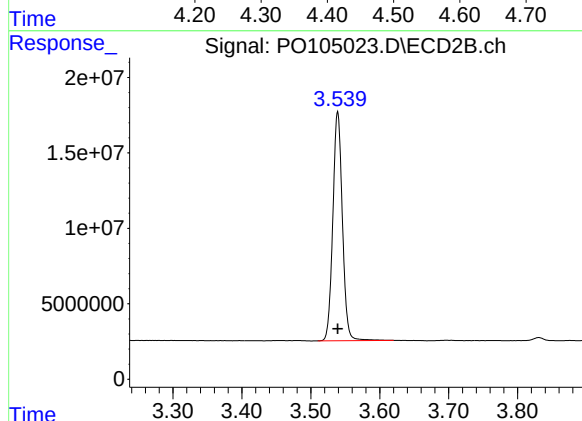




#1 Tetrachloro-m-xylene

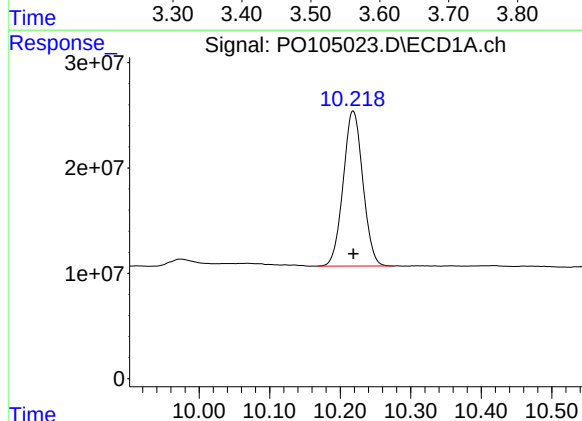
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 390841671
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



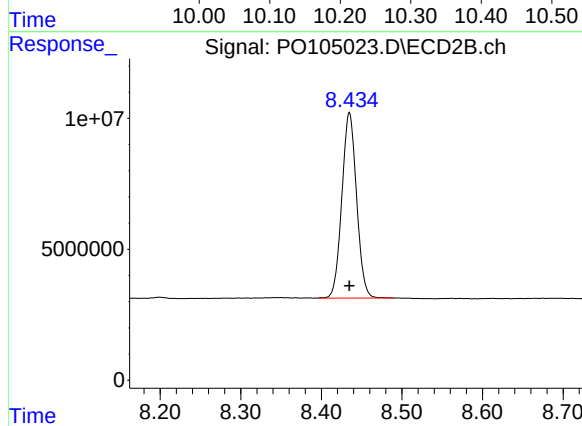
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 146037217
Conc: 50.00 ng/ml



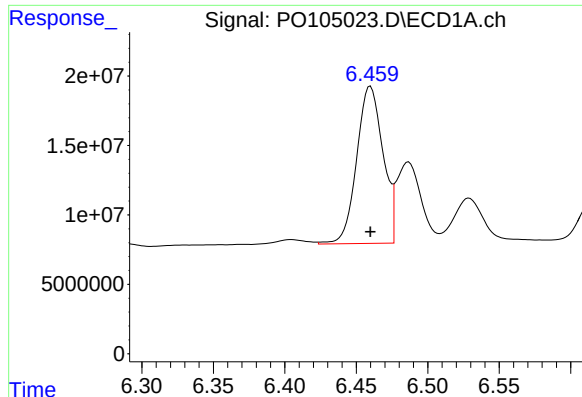
#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 284805874
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

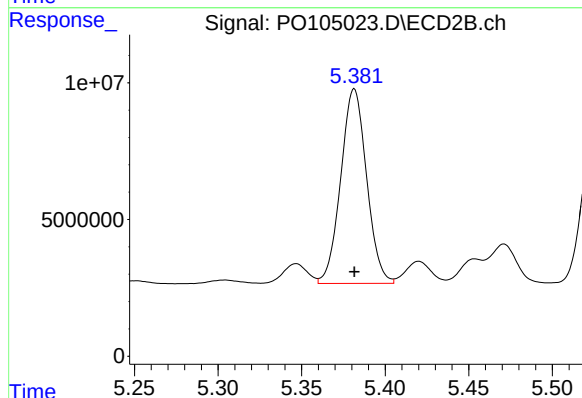
R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 89799426
Conc: 50.00 ng/ml



#26 AR-1254-1

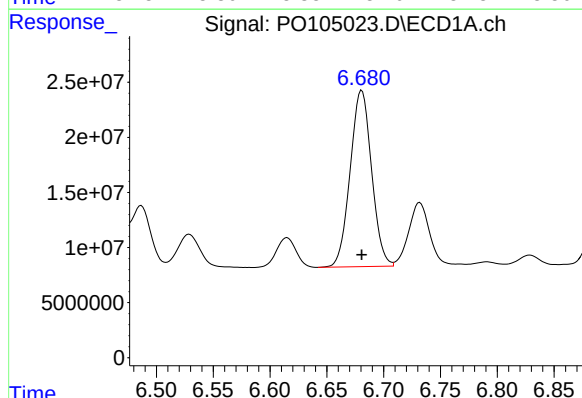
R.T.: 6.460 min
Delta R.T.: 0.000 min
Response: 144992776
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



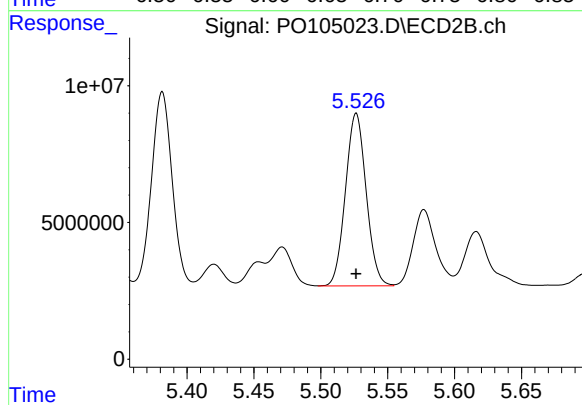
#26 AR-1254-1

R.T.: 5.382 min
Delta R.T.: 0.000 min
Response: 76541683
Conc: 500.00 ng/ml



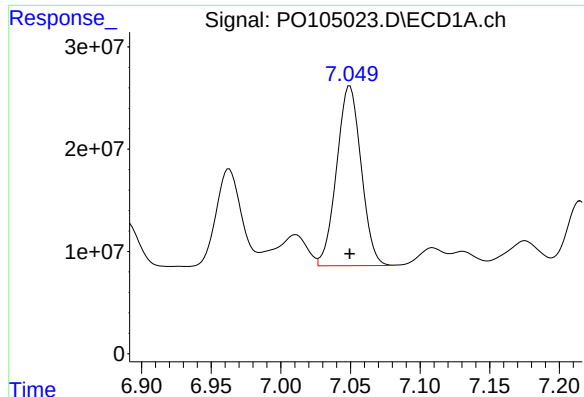
#27 AR-1254-2

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 209875560
Conc: 500.00 ng/ml



#27 AR-1254-2

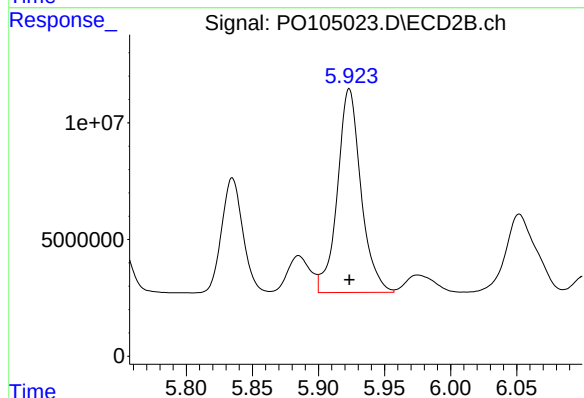
R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 68224509
Conc: 500.00 ng/ml



#28 AR-1254-3

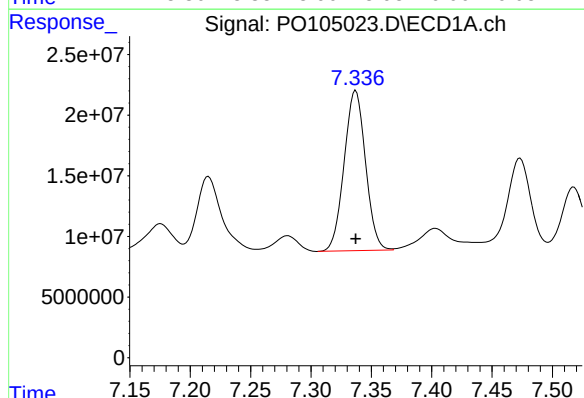
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 215356958
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



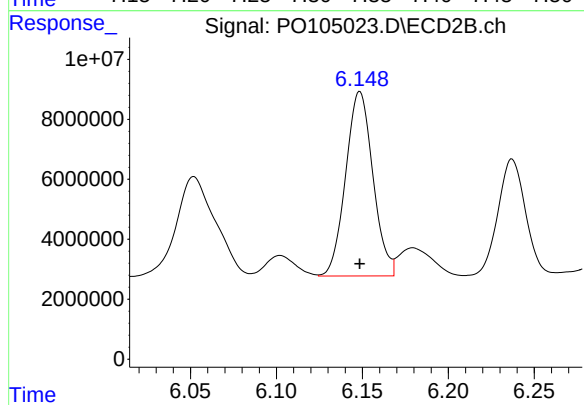
#28 AR-1254-3

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 108348545
Conc: 500.00 ng/ml



#29 AR-1254-4

R.T.: 7.337 min
Delta R.T.: 0.000 min
Response: 162601951
Conc: 500.00 ng/ml



#29 AR-1254-4

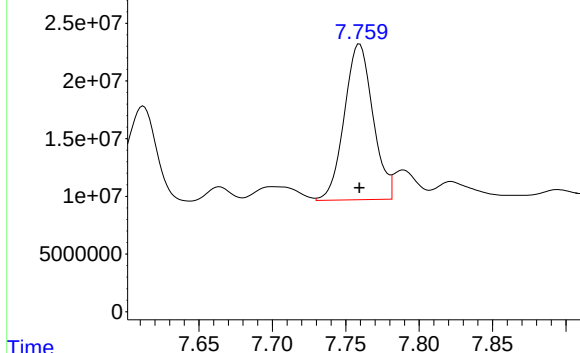
R.T.: 6.149 min
Delta R.T.: 0.000 min
Response: 67948333
Conc: 500.00 ng/ml

Response_

Signal: PO105023.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 7.759 min
Delta R.T.: 0.000 min
Response: 182998490
Conc: 500.00 ng/ml

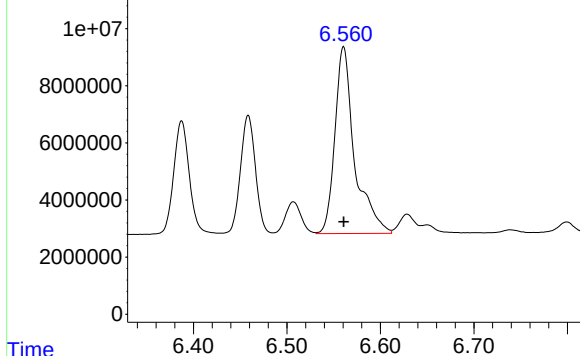
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Time

Response_

Signal: PO105023.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.561 min
Delta R.T.: 0.000 min
Response: 95425552
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Jul 2024 23:53
 Operator : YP/AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:36:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:36:33 2024
 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...	4.428	3.539	194.8E6	72389511	25.292	25.108
2) SA Decachlor...	10.218	8.435	144.6E6	46864962	25.815	26.455
Target Compounds						
26) L6 AR-1254-1	6.460	5.381	78480587	39518590	273.884	262.502
27) L6 AR-1254-2	6.680	5.526	108.3E6	35527178	262.251	264.712
28) L6 AR-1254-3	7.049	5.923	108.6E6	55526368	256.192	260.397
29) L6 AR-1254-4	7.337	6.149	82268959	35045742	257.481	261.430
30) L6 AR-1254-5	7.759	6.560	95365254	49127757	264.368	261.216

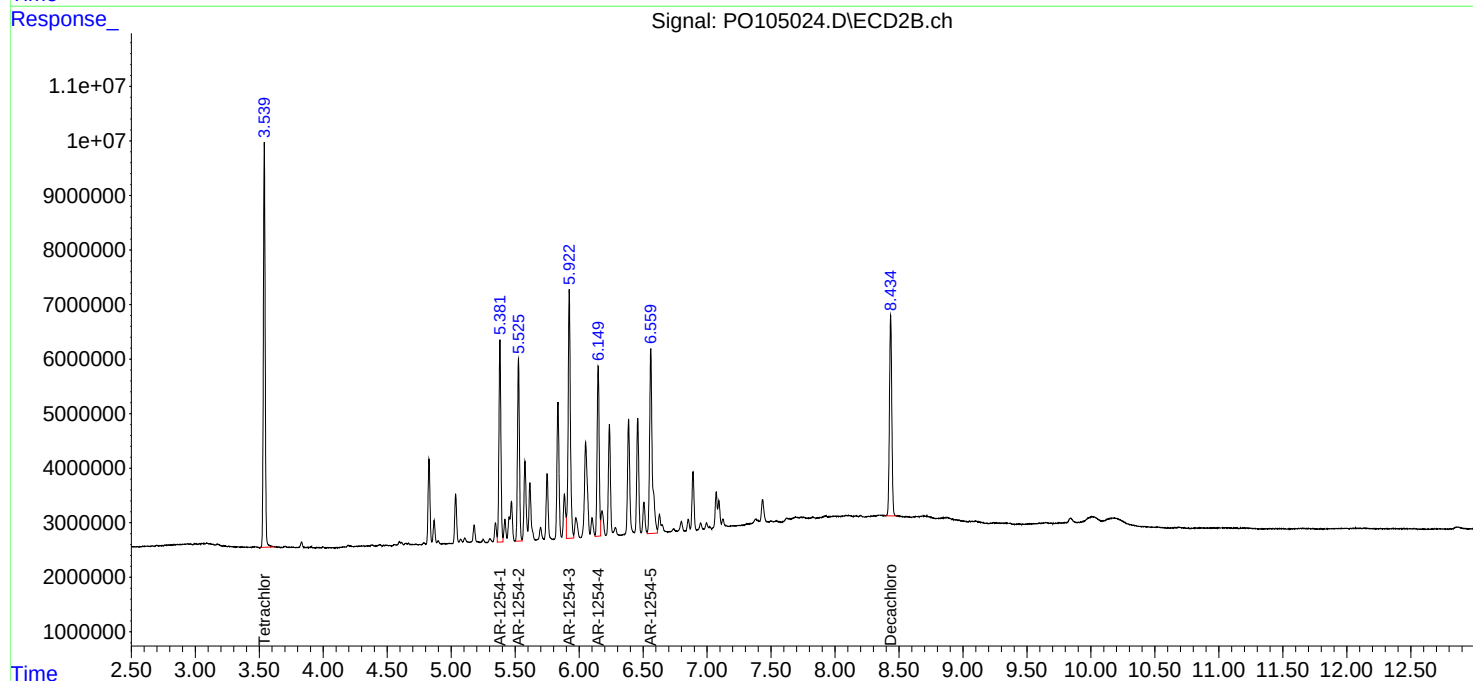
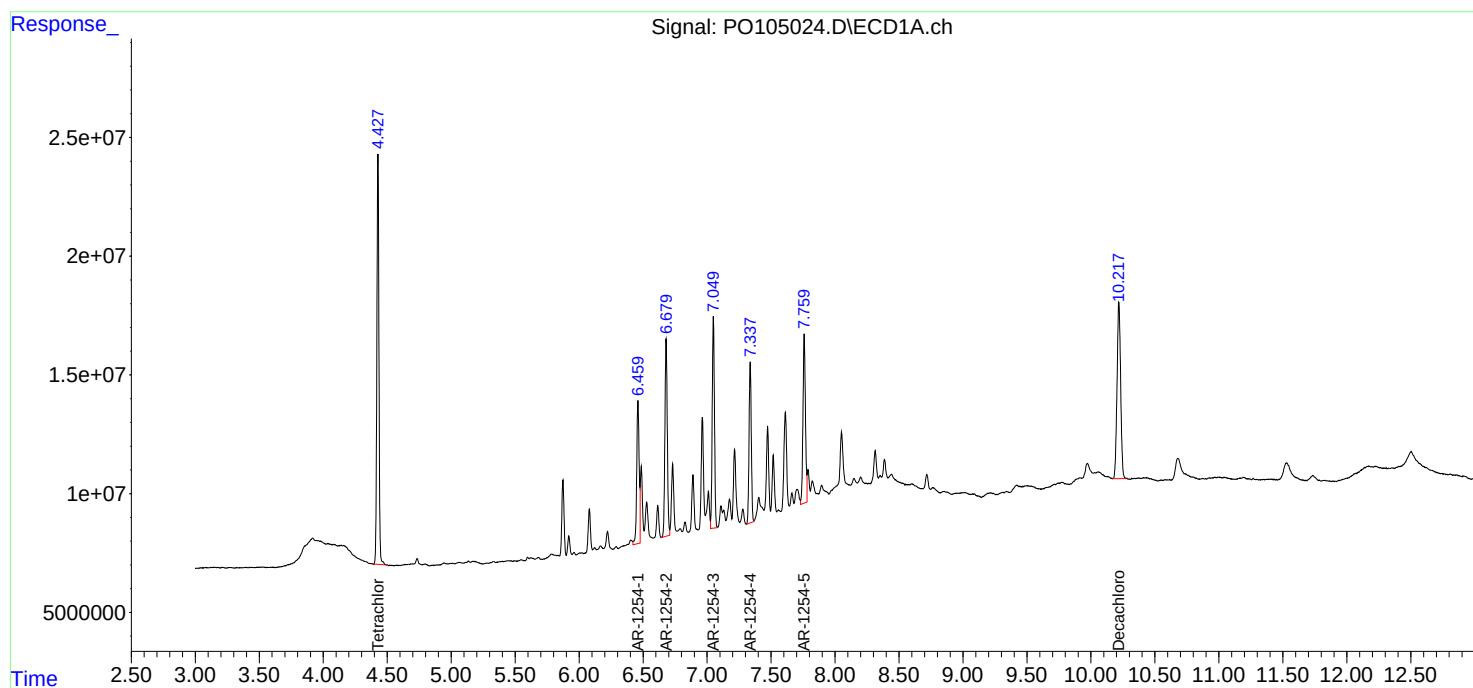
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

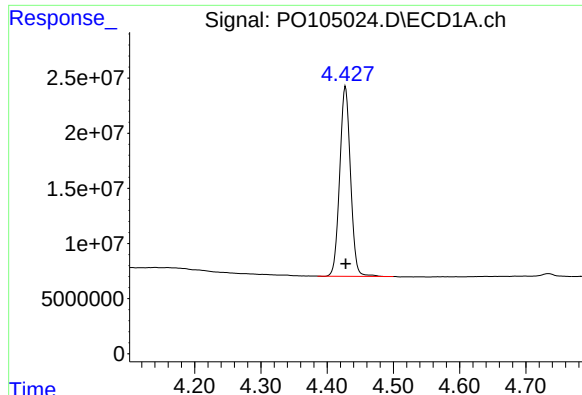
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 23:53
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:36:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:36:33 2024
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

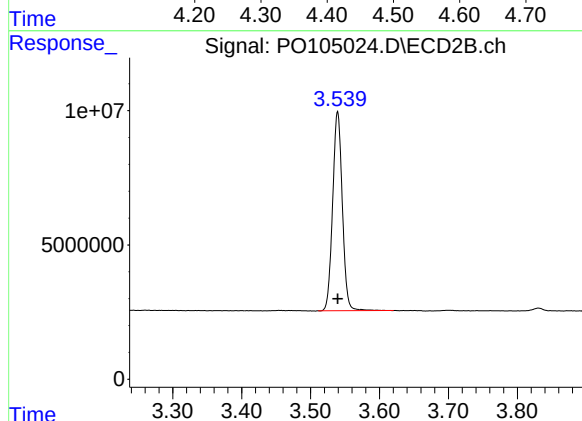




#1 Tetrachloro-m-xylene

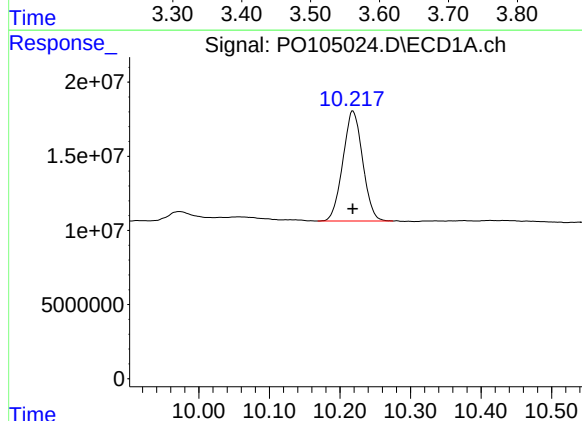
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 194802310
Conc: 25.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



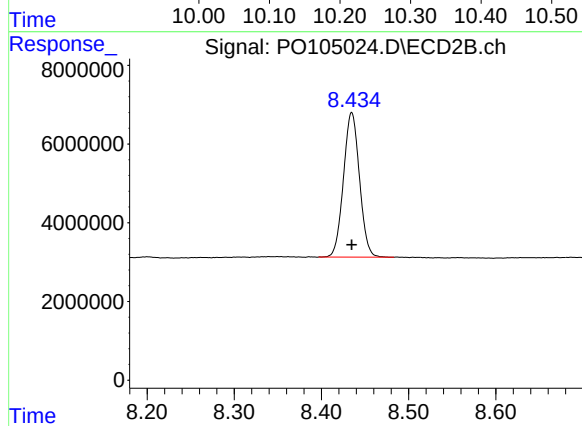
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 72389511
Conc: 25.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.218 min
Delta R.T.: 0.000 min
Response: 144620486
Conc: 25.82 ng/ml



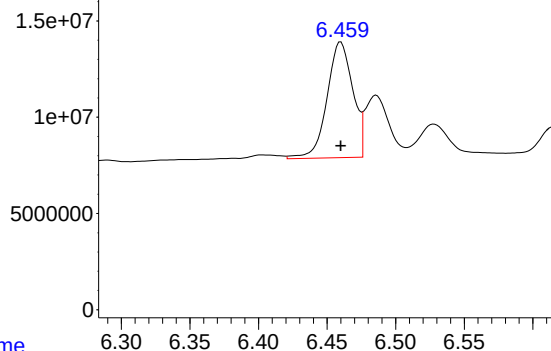
#2 Decachlorobiphenyl

R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 46864962
Conc: 26.45 ng/ml

Response_

Signal: PO105024.D\ECD1A.ch

#26 AR-1254-1



R.T.: 6.460 min
Delta R.T.: 0.000 min
Response: 78480587
Conc: 273.88 ng/ml

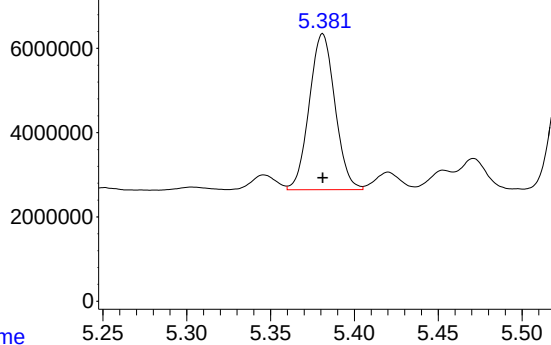
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Time

Response_

Signal: PO105024.D\ECD2B.ch

#26 AR-1254-1



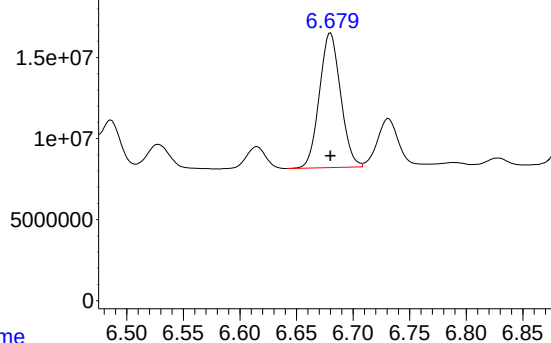
R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 39518590
Conc: 262.50 ng/ml

Time

Response_

Signal: PO105024.D\ECD1A.ch

#27 AR-1254-2



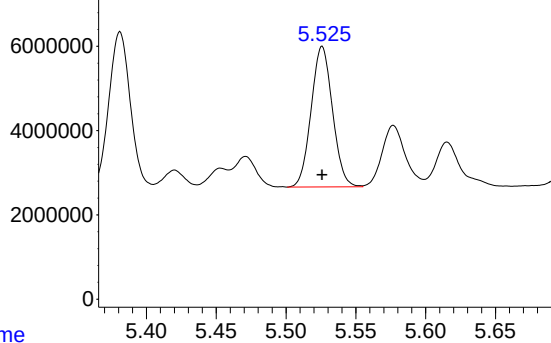
R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 108251977
Conc: 262.25 ng/ml

Time

Response_

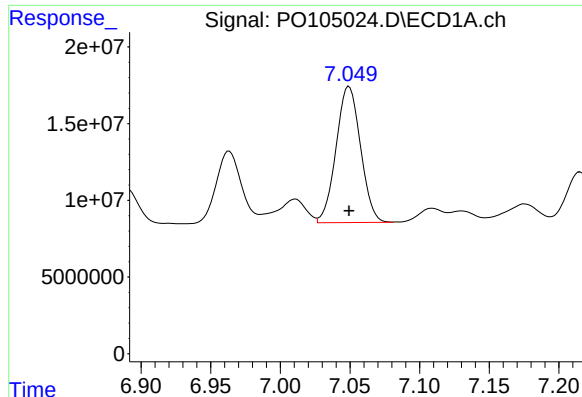
Signal: PO105024.D\ECD2B.ch

#27 AR-1254-2



R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 35527178
Conc: 264.71 ng/ml

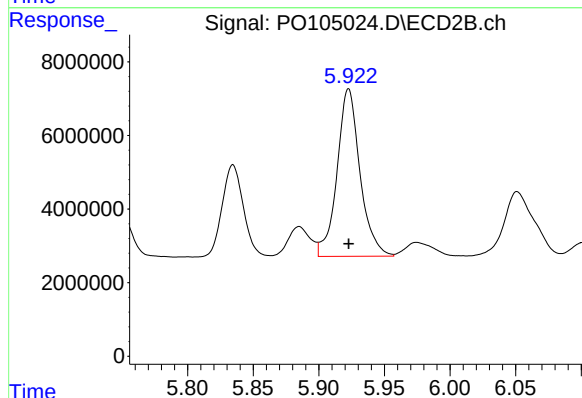
Time



#28 AR-1254-3

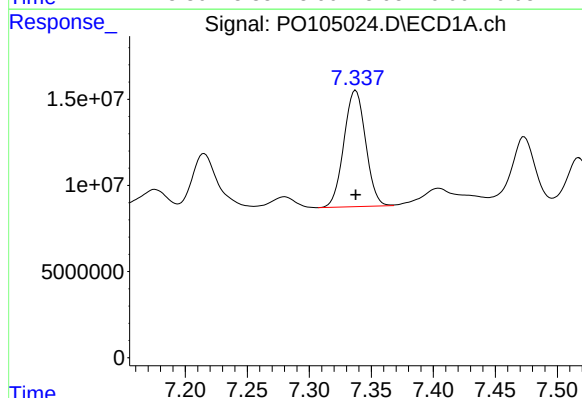
R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 108595916
Conc: 256.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



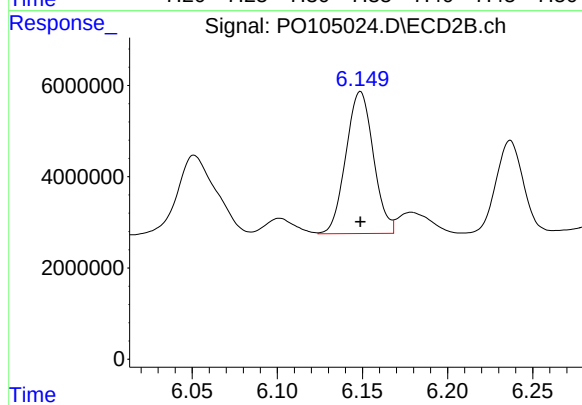
#28 AR-1254-3

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 55526368
Conc: 260.40 ng/ml



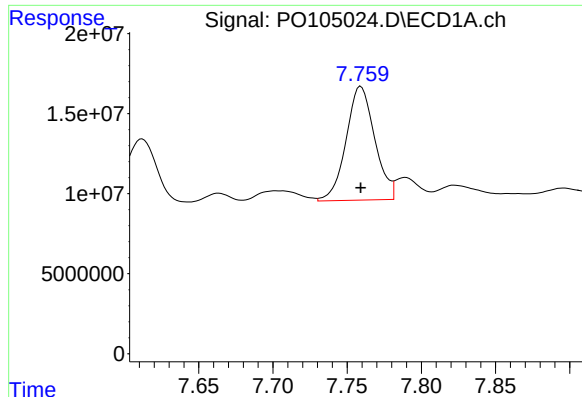
#29 AR-1254-4

R.T.: 7.337 min
Delta R.T.: 0.000 min
Response: 82268959
Conc: 257.48 ng/ml



#29 AR-1254-4

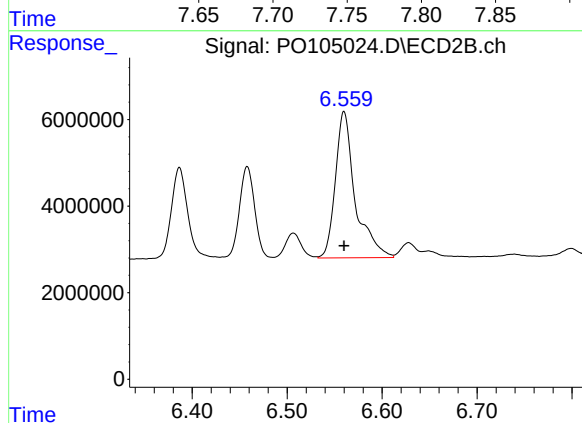
R.T.: 6.149 min
Delta R.T.: 0.000 min
Response: 35045742
Conc: 261.43 ng/ml



#30 AR-1254-5

R.T.: 7.759 min
Delta R.T.: 0.000 min
Response: 95365254
Conc: 264.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



#30 AR-1254-5

R.T.: 6.560 min
Delta R.T.: 0.000 min
Response: 49127757
Conc: 261.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 00:11
 Operator : YP/AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1254ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:39:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:39:13 2024
 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...	4.427	3.539	34755469	12996584	4.602	4.598
2) SA Decachlor...	10.220	8.434	25988876	9132151	4.707	5.123
Target Compounds						
26) L6 AR-1254-1	6.459	5.380	15047988	7403278	51.345m	49.339
27) L6 AR-1254-2	6.680	5.526	21256506	6621933	51.190	49.470
28) L6 AR-1254-3	7.049	5.923	19594468	10470273	46.934	49.279
29) L6 AR-1254-4	7.337	6.148	14232186	6392375	45.537	48.131
30) L6 AR-1254-5	7.759	6.560	19323699	8790931	52.121m	47.359

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 00:11
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

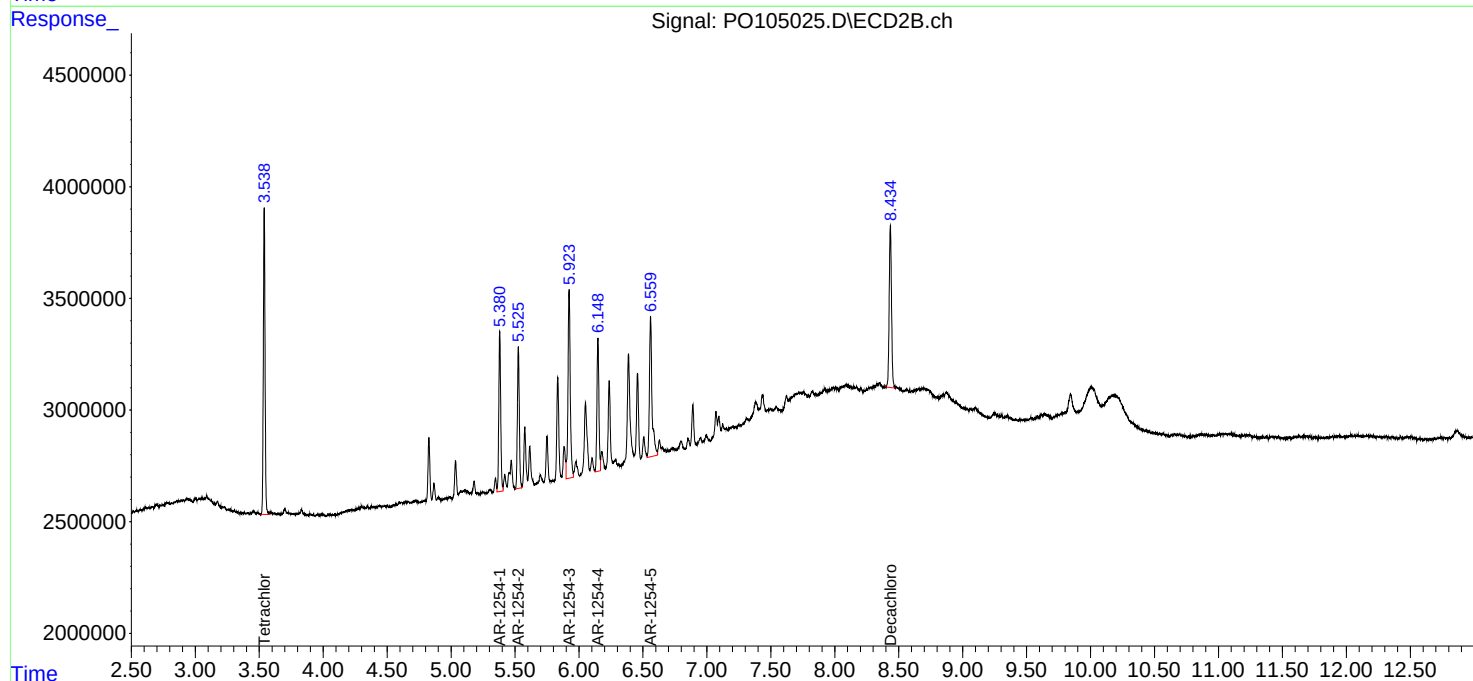
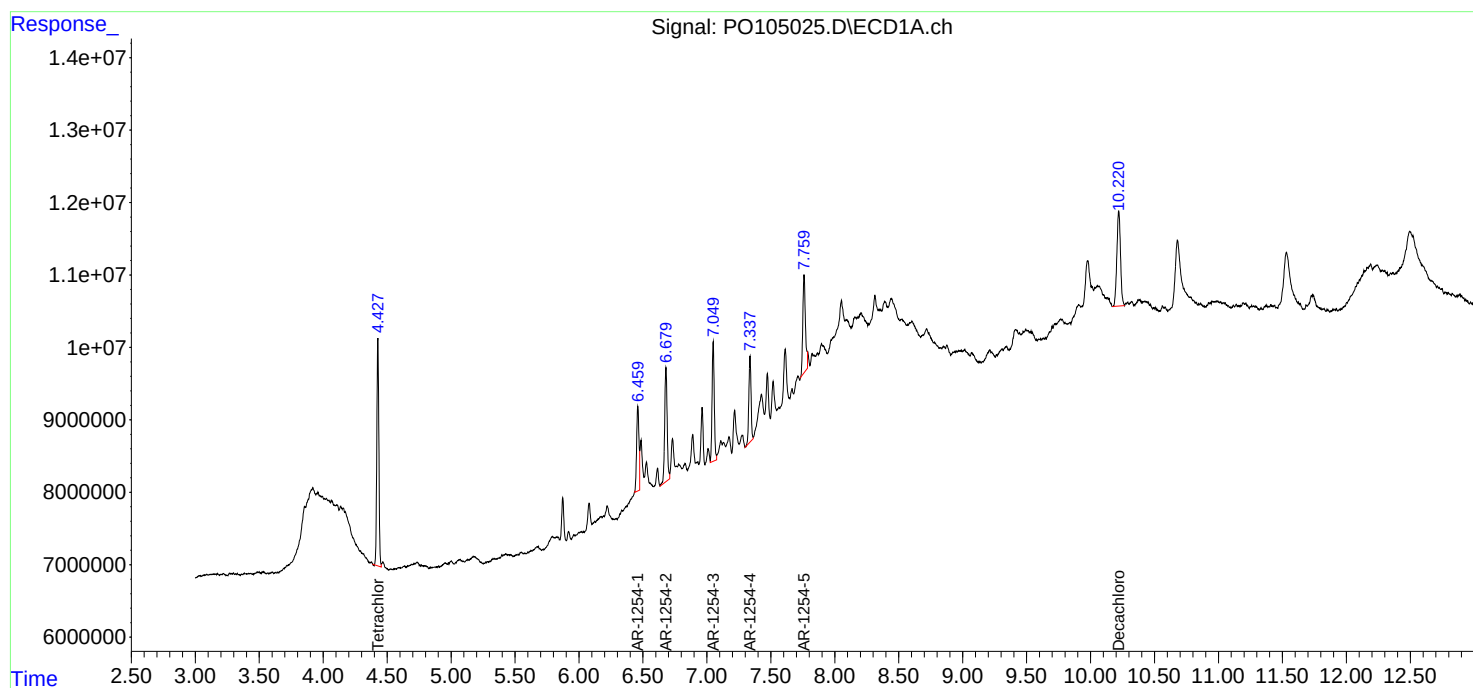
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

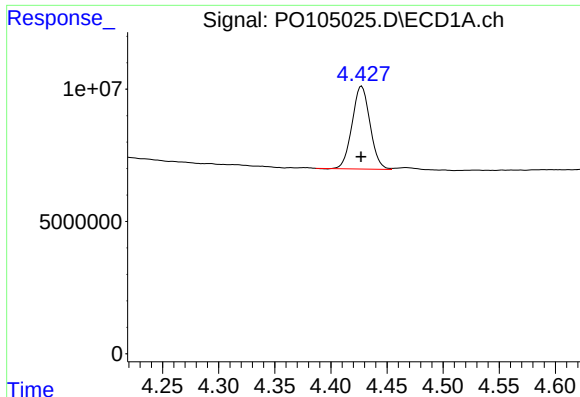
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:39:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:39:13 2024
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

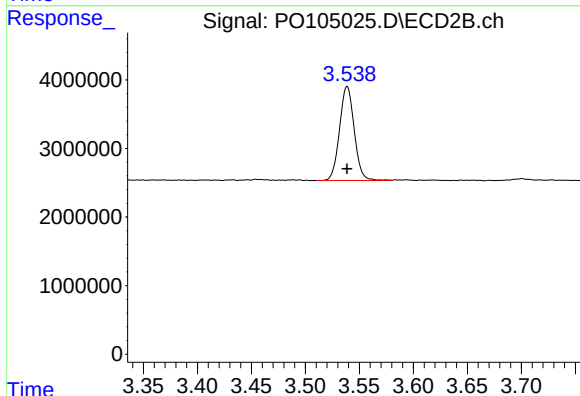
R.T.: 4.427 min
Delta R.T.: 0.000 min
Response: 34755469
Conc: 4.60 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

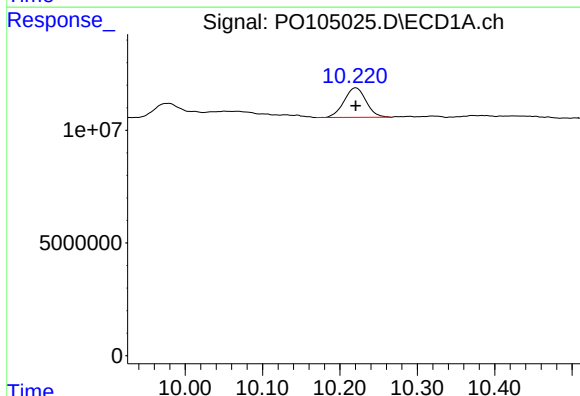
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



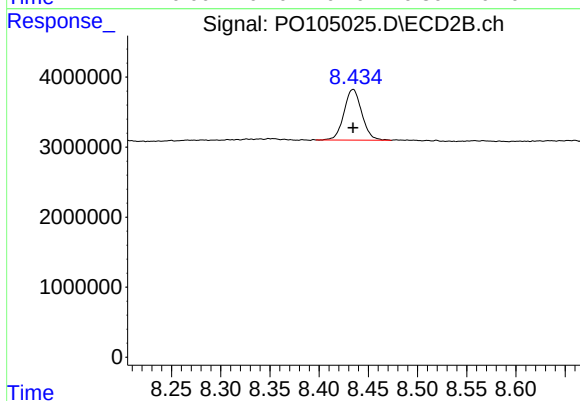
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 12996584
Conc: 4.60 ng/ml



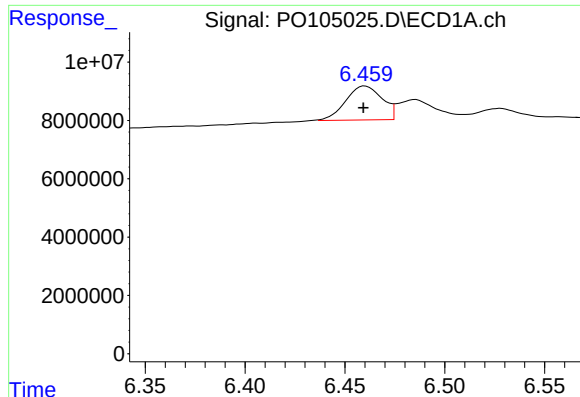
#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 25988876
Conc: 4.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.434 min
Delta R.T.: 0.000 min
Response: 9132151
Conc: 5.12 ng/ml



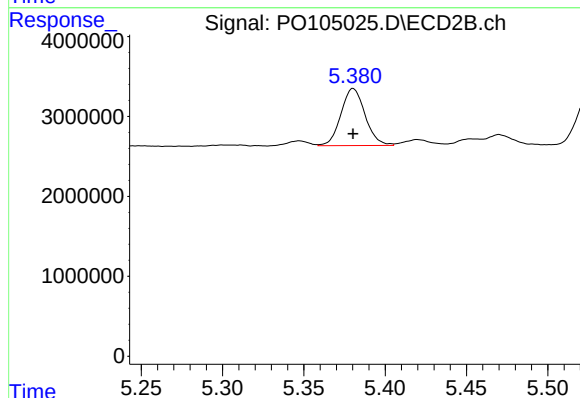
#26 AR-1254-1

R.T.: 6.459 min
Delta R.T.: 0.000 min
Response: 15047988
Conc: 51.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

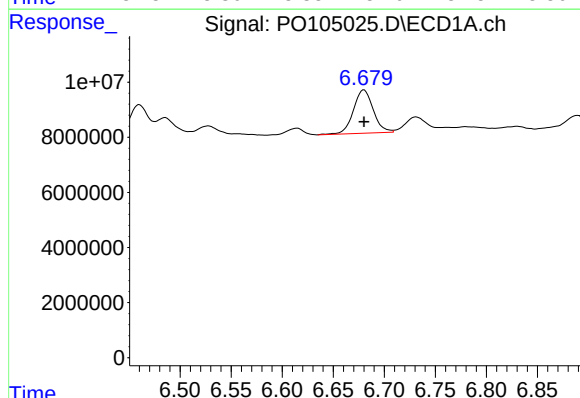
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



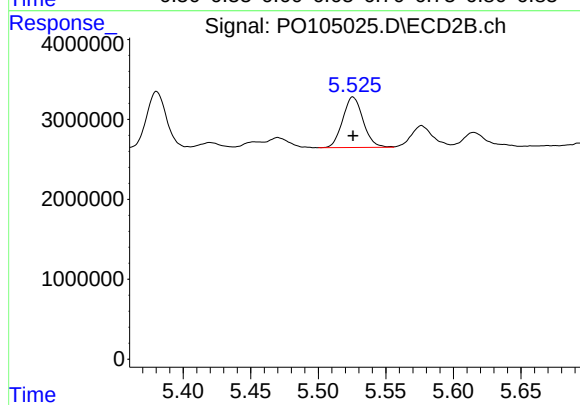
#26 AR-1254-1

R.T.: 5.380 min
Delta R.T.: 0.000 min
Response: 7403278
Conc: 49.34 ng/ml



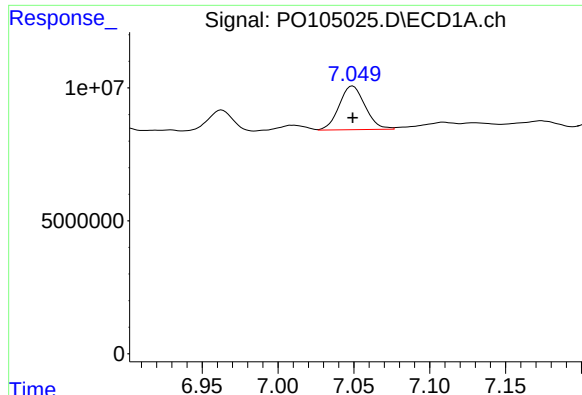
#27 AR-1254-2

R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 21256506
Conc: 51.19 ng/ml



#27 AR-1254-2

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 6621933
Conc: 49.47 ng/ml



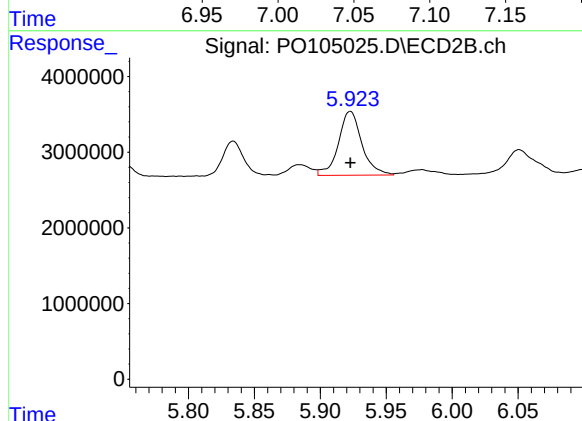
#28 AR-1254-3

R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 19594468
Conc: 46.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

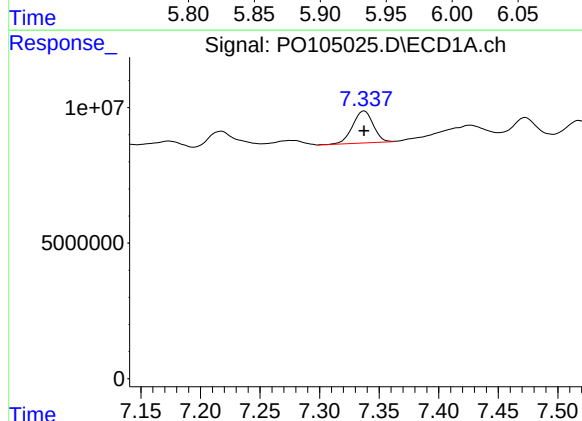
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



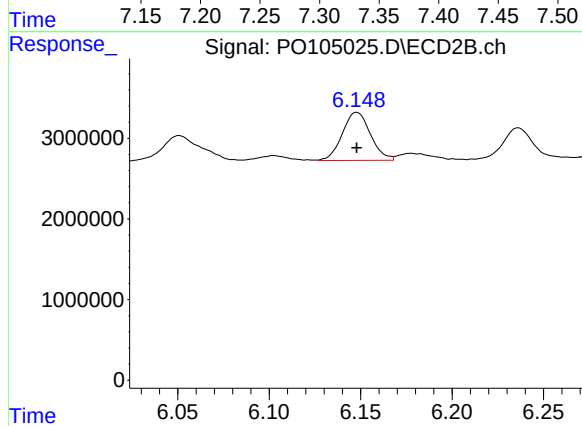
#28 AR-1254-3

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 10470273
Conc: 49.28 ng/ml



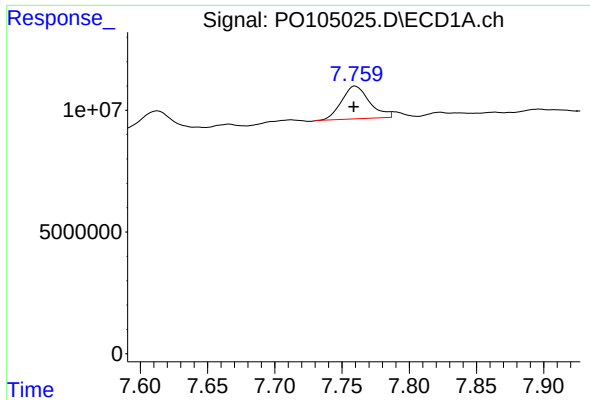
#29 AR-1254-4

R.T.: 7.337 min
Delta R.T.: 0.000 min
Response: 14232186
Conc: 45.54 ng/ml



#29 AR-1254-4

R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 6392375
Conc: 48.13 ng/ml



#30 AR-1254-5

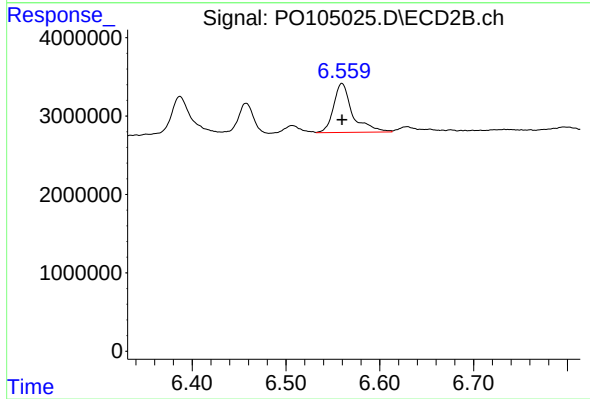
R.T.: 7.759 min
Delta R.T.: 0.000 min
Response: 19323699
Conc: 52.12 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



#30 AR-1254-5

R.T.: 6.560 min
Delta R.T.: 0.000 min
Response: 8790931
Conc: 47.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105026.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 00:28
 Operator : YP/AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:43:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:43:29 2024
 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...	4.428	3.539	395.9E6	146.6E6	50.000	50.000
2) SA Decachlor...	10.219	8.434	287.4E6	90185410	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	7.757	6.559	145.5E6	50552214	500.000	500.000
37) L8 AR-1262-2	8.387	6.853	367.3E6	82640852	500.000	500.000
38) L8 AR-1262-3	8.704	7.373	237.8E6	62849273	500.000	500.000
39) L8 AR-1262-4	8.793	7.437	173.0E6	114.7E6	500.000	500.000
40) L8 AR-1262-5	9.457	7.925	123.7E6	49137013	500.000	500.000

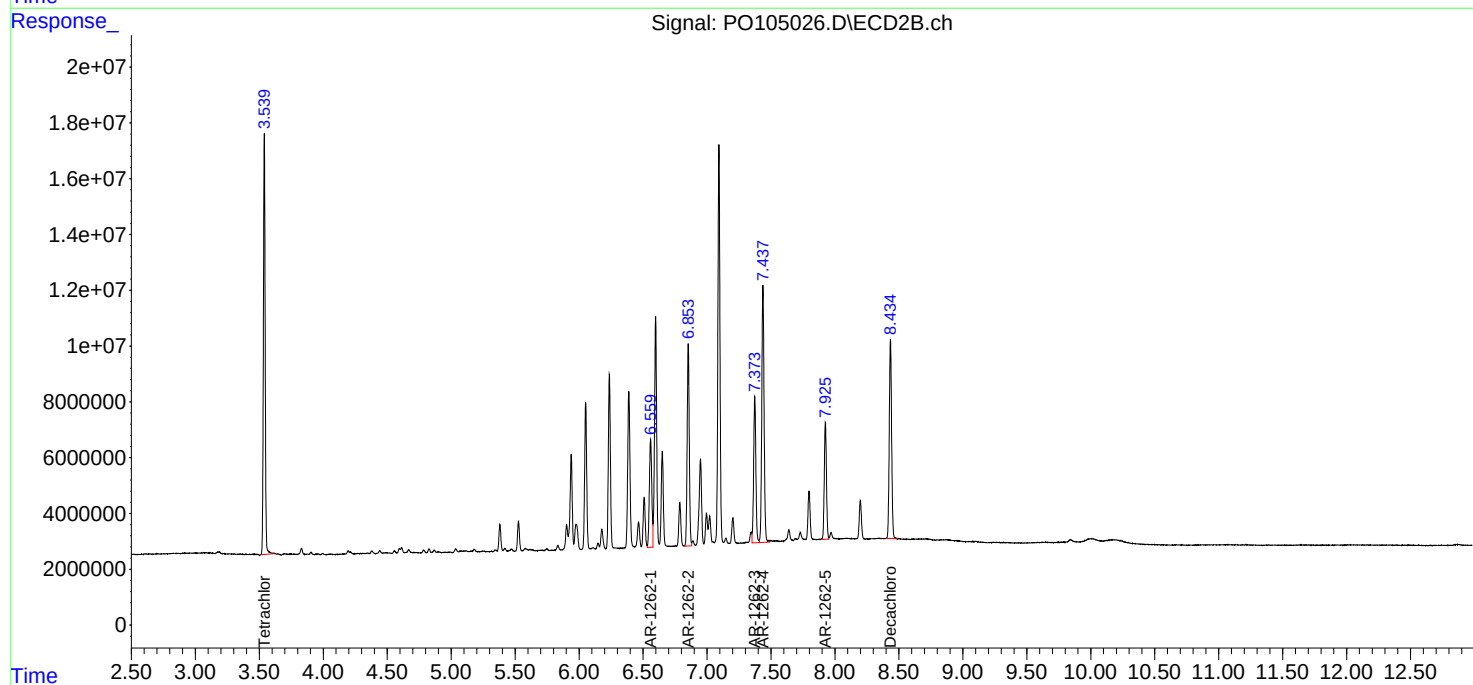
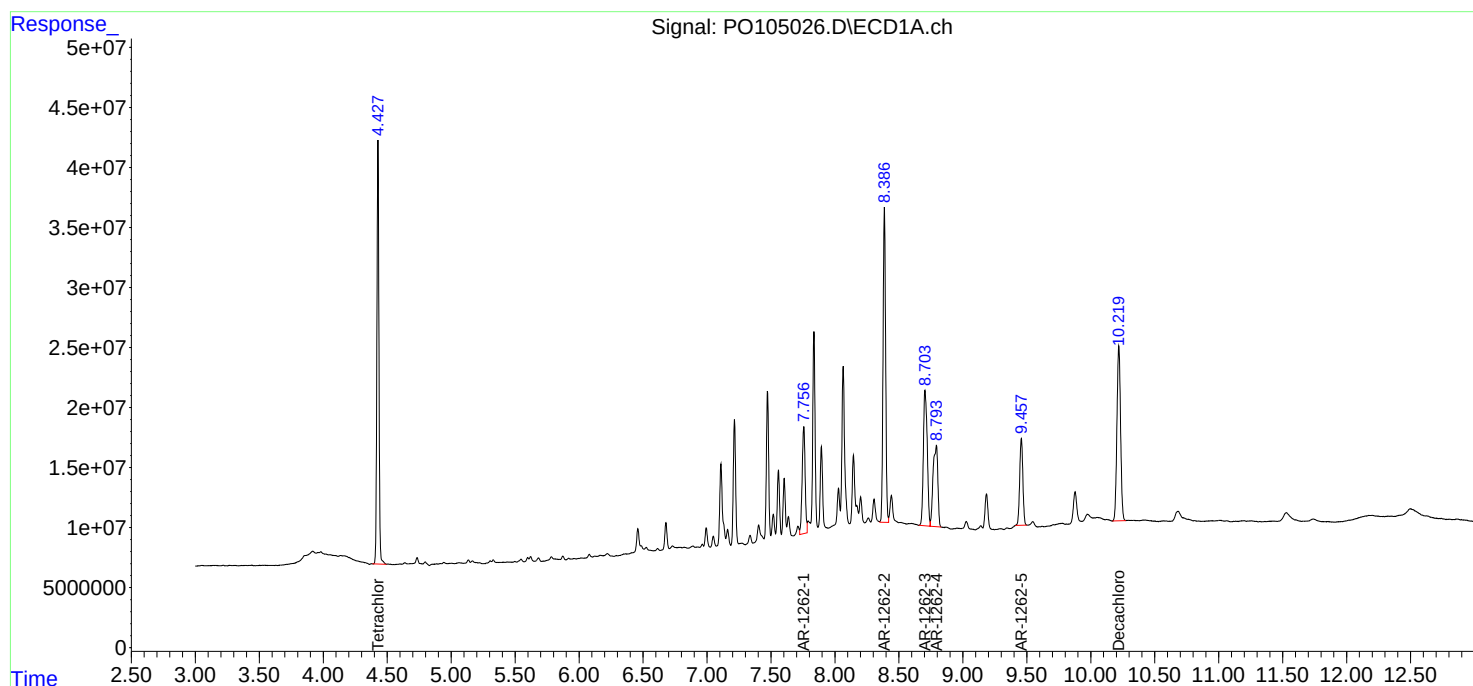
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

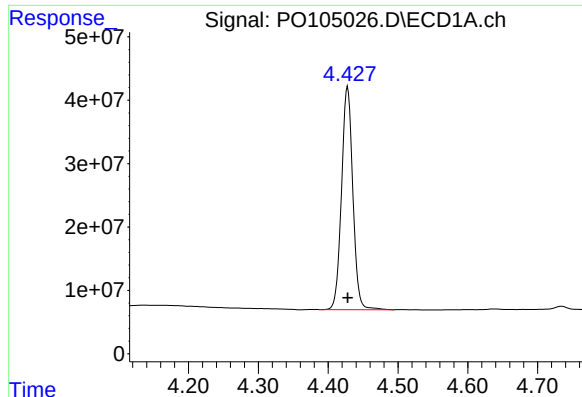
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 00:28
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:43:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:43:29 2024
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

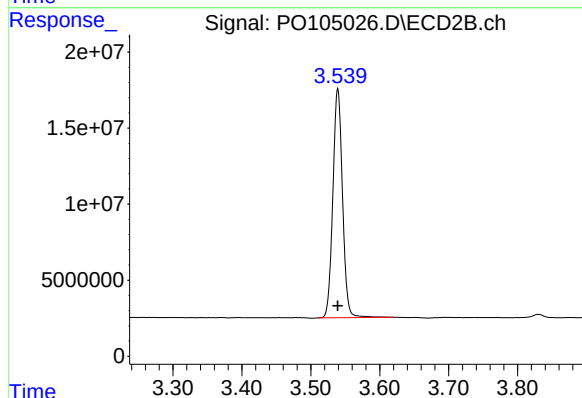




#1 Tetrachloro-m-xylene

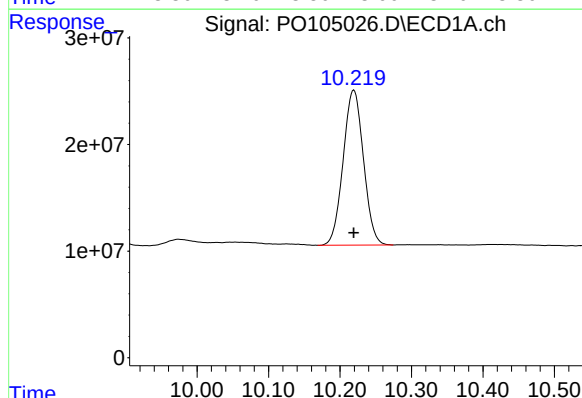
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 395896193
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



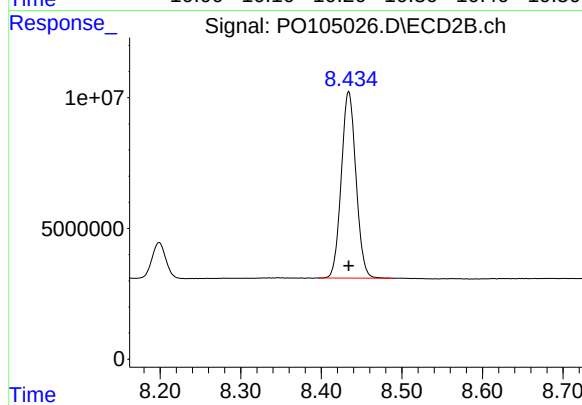
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 146613116
Conc: 50.00 ng/ml



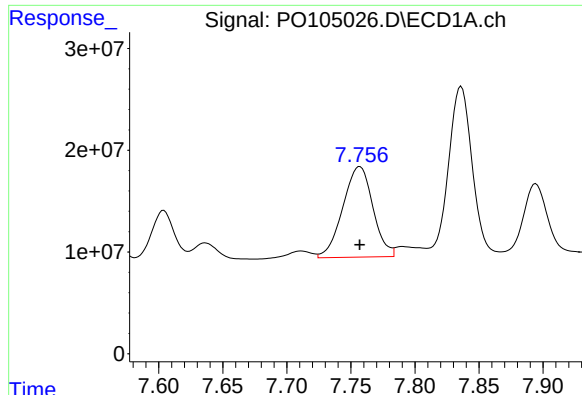
#2 Decachlorobiphenyl

R.T.: 10.219 min
Delta R.T.: 0.000 min
Response: 287388151
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

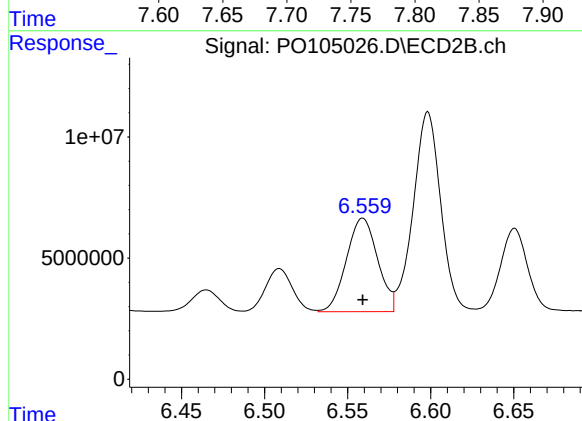
R.T.: 8.434 min
Delta R.T.: 0.000 min
Response: 90185410
Conc: 50.00 ng/ml



#36 AR-1262-1

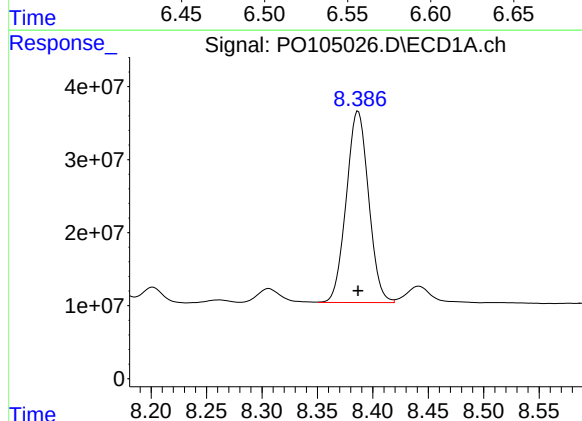
R.T.: 7.757 min
Delta R.T.: 0.000 min
Response: 145544007
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



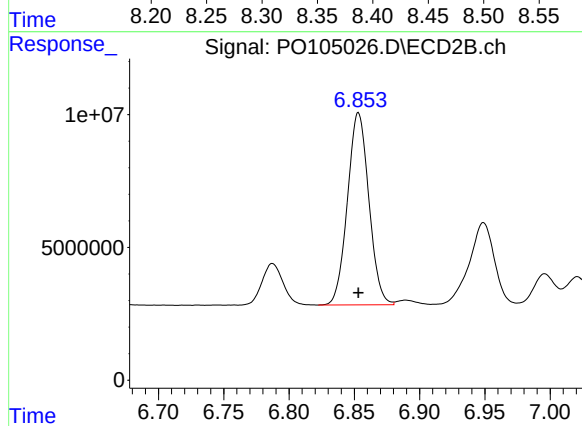
#36 AR-1262-1

R.T.: 6.559 min
Delta R.T.: 0.000 min
Response: 50552214
Conc: 500.00 ng/ml



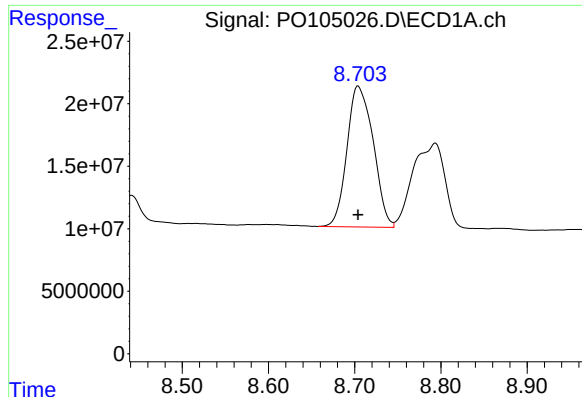
#37 AR-1262-2

R.T.: 8.387 min
Delta R.T.: 0.000 min
Response: 367252921
Conc: 500.00 ng/ml



#37 AR-1262-2

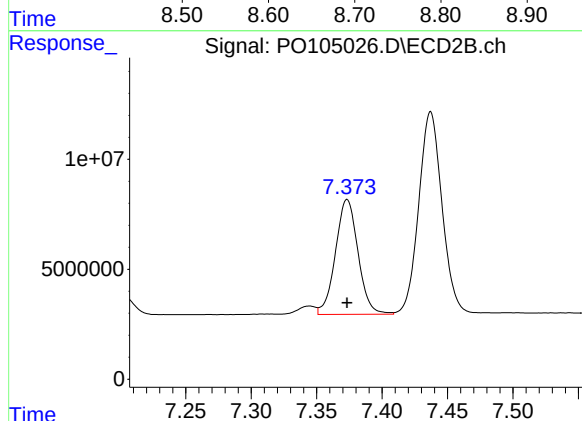
R.T.: 6.853 min
Delta R.T.: 0.000 min
Response: 82640852
Conc: 500.00 ng/ml



#38 AR-1262-3

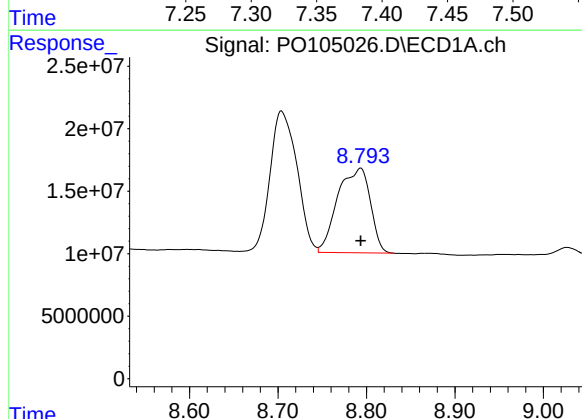
R.T.: 8.704 min
Delta R.T.: 0.000 min
Response: 237778741
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



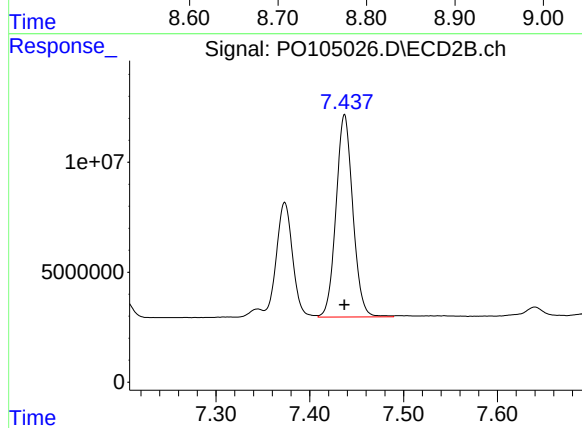
#38 AR-1262-3

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 62849273
Conc: 500.00 ng/ml



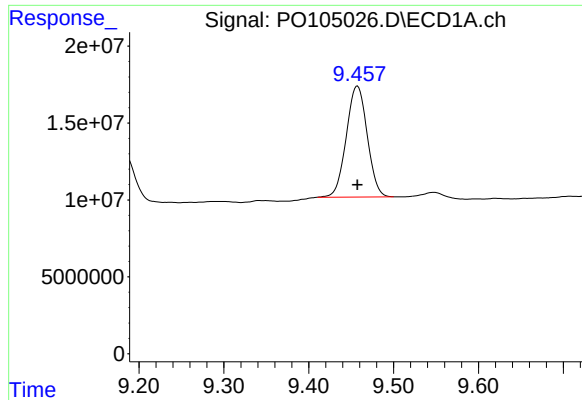
#39 AR-1262-4

R.T.: 8.793 min
Delta R.T.: 0.000 min
Response: 173035864
Conc: 500.00 ng/ml



#39 AR-1262-4

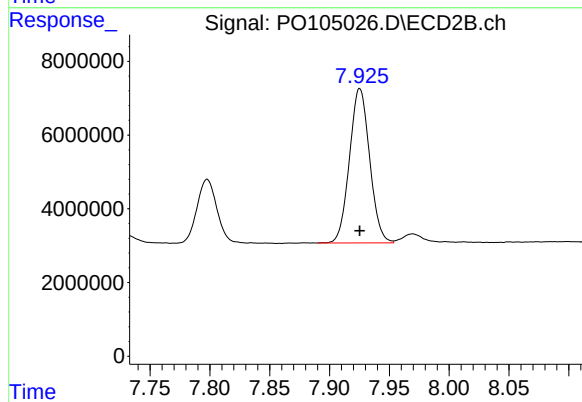
R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 114738023
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 9.457 min
Delta R.T.: 0.000 min
Response: 123681840
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



#40 AR-1262-5

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 49137013
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 00:45
 Operator : YP/AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:52:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:52:02 2024
 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...	4.428	3.539	749.1E6	282.2E6	98.002	98.636
2) SA Decachlor...	10.220	8.435	922.8E6	286.0E6	97.722	96.284
Target Compounds						
41) L9 AR-1268-1	8.700	7.374	767.3E6	329.8E6	979.064	974.175
42) L9 AR-1268-2	8.796	7.438	681.0E6	295.1E6	980.825	973.277
43) L9 AR-1268-3	9.028	7.641	584.4E6	239.4E6	981.422	972.671
44) L9 AR-1268-4	9.457	7.925	255.9E6	99232167	983.592	965.720
45) L9 AR-1268-5	9.877	8.199	1961.4E6	658.8E6	987.807	978.261

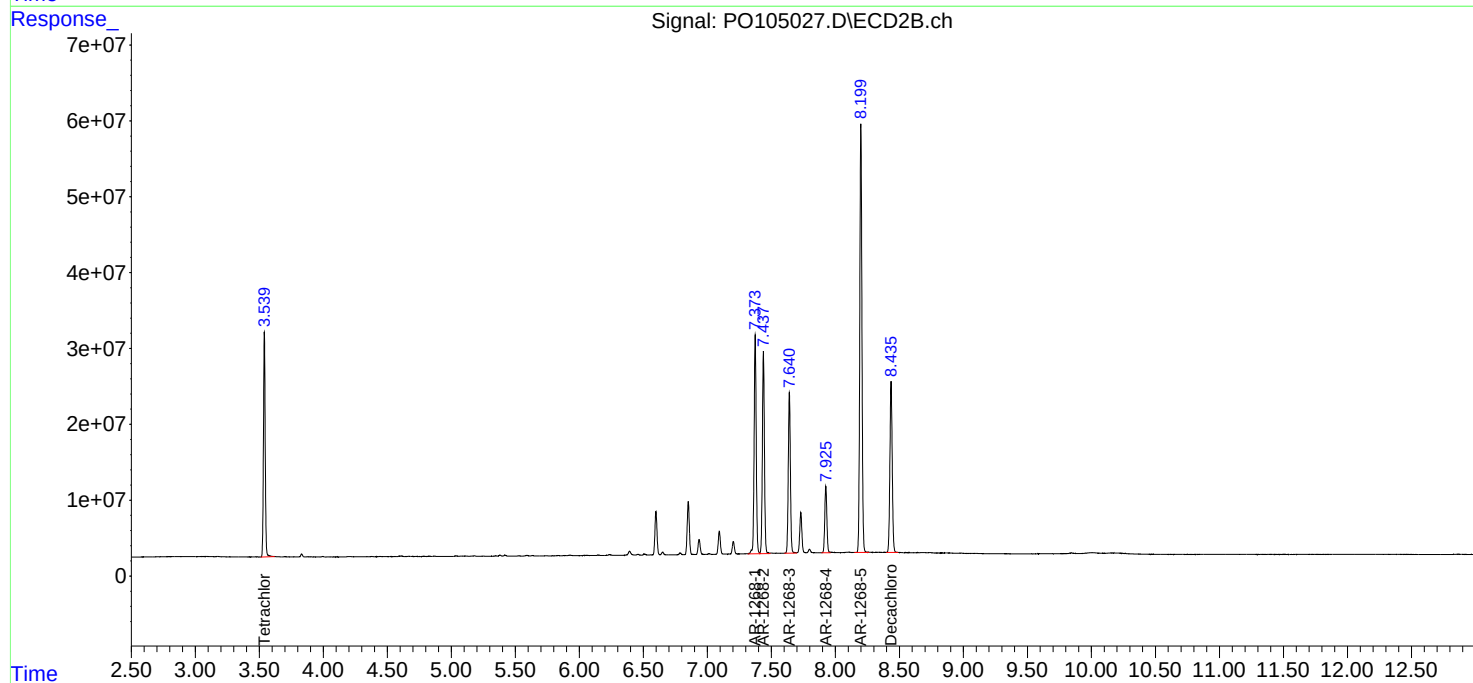
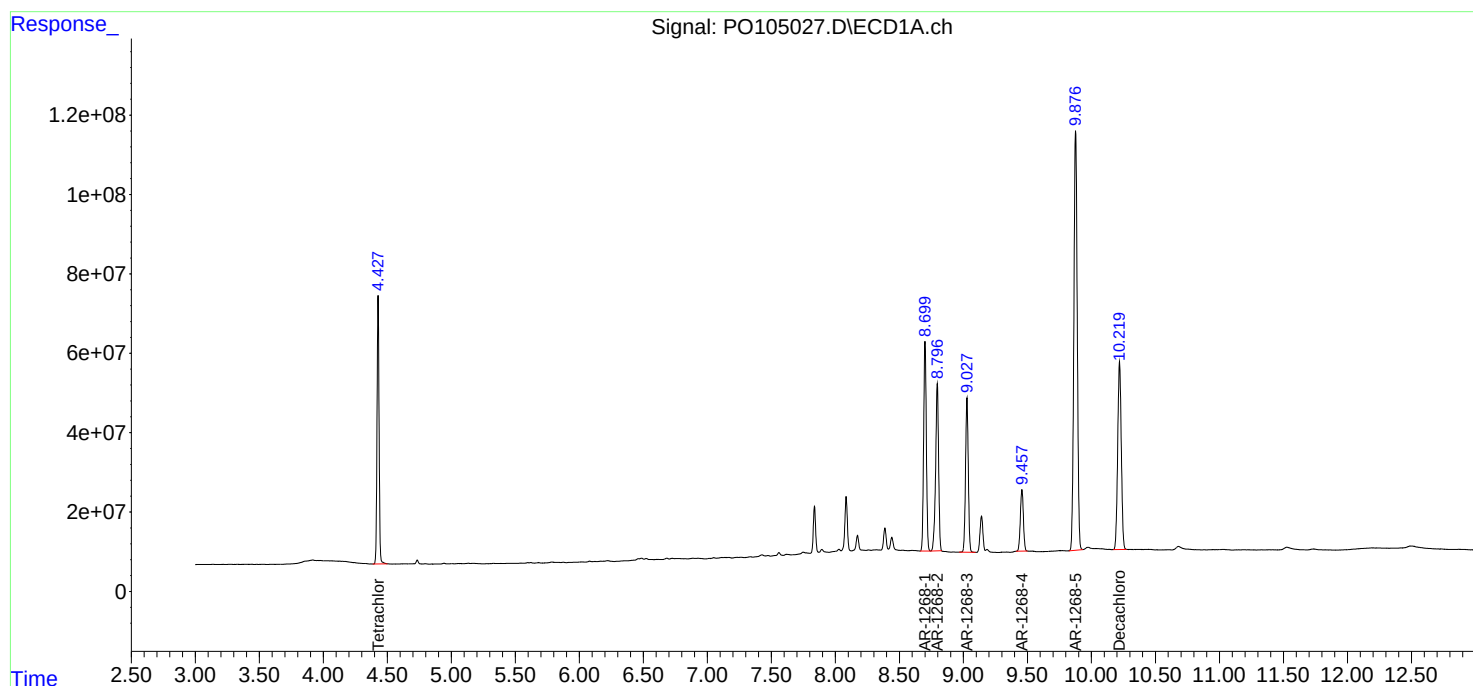
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

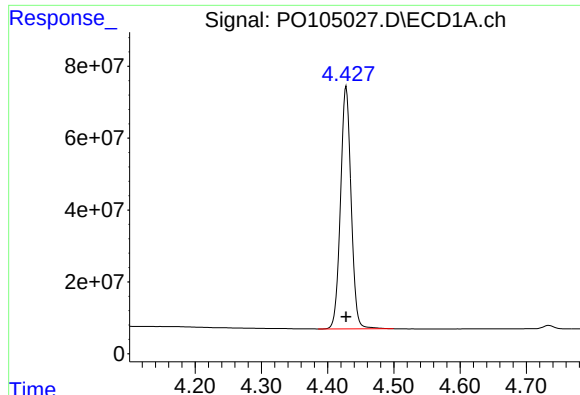
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
Data File : P0105027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 00:45
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:52:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:52:02 2024
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

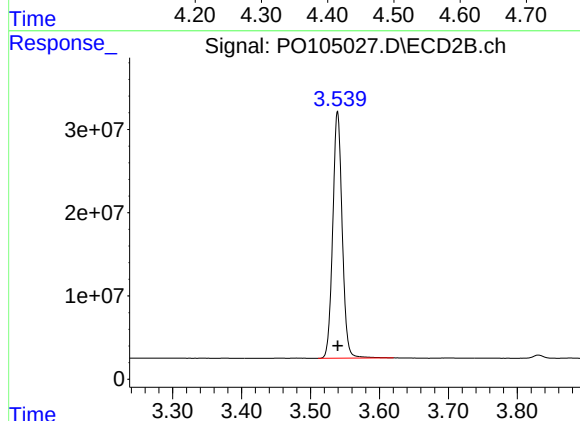




#1 Tetrachloro-m-xylene

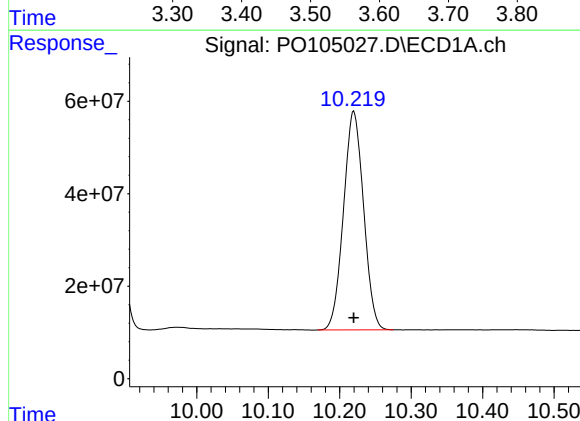
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 749121639
Conc: 98.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000



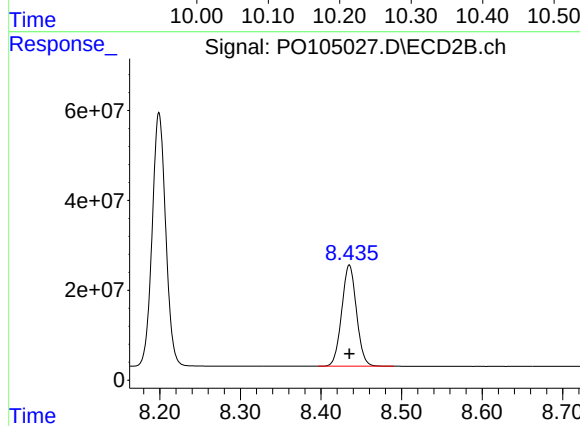
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 282243983
Conc: 98.64 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 922832752
Conc: 97.72 ng/ml



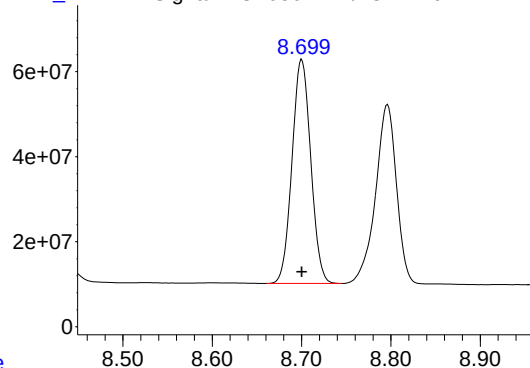
#2 Decachlorobiphenyl

R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 285951823
Conc: 96.28 ng/ml

Response_

Signal: PO105027.D\ECD1A.ch

#41 AR-1268-1



R.T.: 8.700 min
Delta R.T.: 0.000 min
Response: 767342174
Conc: 979.06 ng/ml

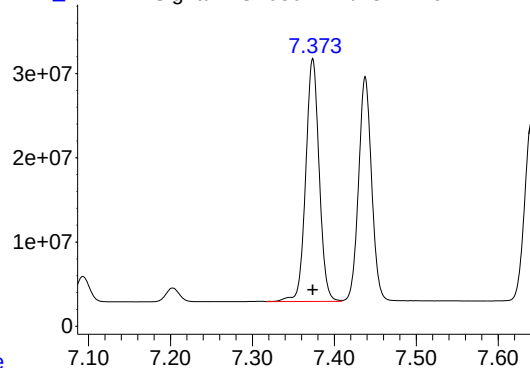
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Time

Response_

Signal: PO105027.D\ECD2B.ch

#41 AR-1268-1



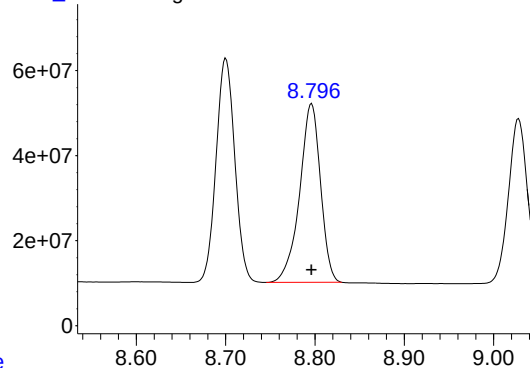
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 329798096
Conc: 974.18 ng/ml

Time

Response_

Signal: PO105027.D\ECD1A.ch

#42 AR-1268-2



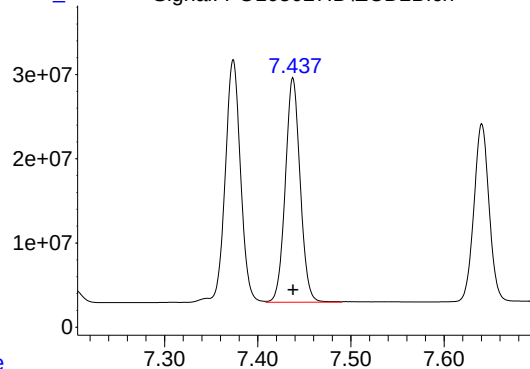
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 681024279
Conc: 980.83 ng/ml

Time

Response_

Signal: PO105027.D\ECD2B.ch

#42 AR-1268-2



R.T.: 7.438 min
Delta R.T.: 0.000 min
Response: 295067935
Conc: 973.28 ng/ml

Time

Response_ Signal: PO105027.D\ECD1A.ch

#43 AR-1268-3

R.T.: 9.028 min
Delta R.T.: 0.000 min
Response: 584369080
Conc: 981.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Time

Response_ Signal: PO105027.D\ECD2B.ch

#43 AR-1268-3

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 239426651
Conc: 972.67 ng/ml

Time

Response_ Signal: PO105027.D\ECD1A.ch

#44 AR-1268-4

R.T.: 9.457 min
Delta R.T.: 0.000 min
Response: 255878270
Conc: 983.59 ng/ml

Time

Response_ Signal: PO105027.D\ECD2B.ch

#44 AR-1268-4

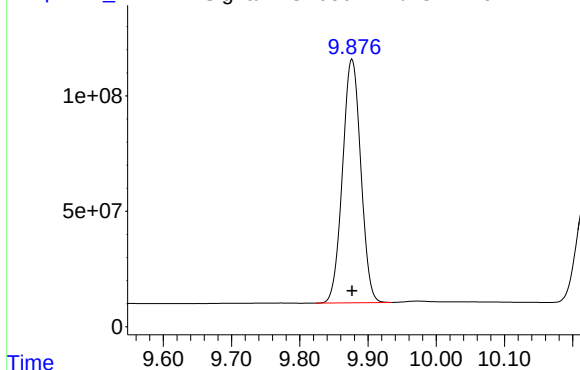
R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 99232167
Conc: 965.72 ng/ml

Time

Response_

Signal: PO105027.D\ECD1A.ch

#45 AR-1268-5



R.T.: 9.877 min

Delta R.T.: 0.000 min

Response: 1961440435

Conc: 987.81 ng/ml

Instrument :

ECD_O

ClientSampleId :

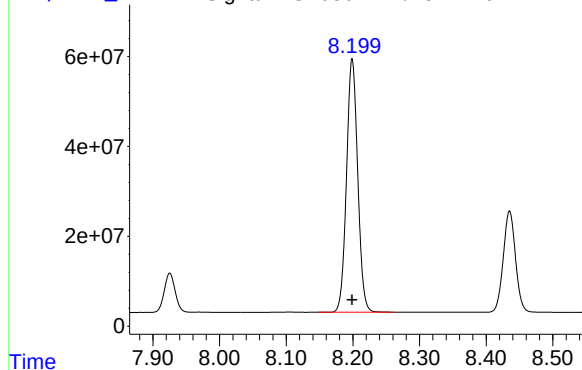
AR1268ICC1000

Time

Response_

Signal: PO105027.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.199 min

Delta R.T.: 0.000 min

Response: 658755969

Conc: 978.26 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 01:02
 Operator : YP/AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:54:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:53:56 2024
 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...	4.428	3.539	570.5E6	212.6E6	74.755	74.535
2) SA Decachlor...	10.220	8.435	711.1E6	226.3E6	75.202	75.804
Target Compounds						
41) L9 AR-1268-1	8.701	7.374	593.3E6	256.6E6	754.617	755.203
42) L9 AR-1268-2	8.796	7.438	527.4E6	230.3E6	756.312	756.307
43) L9 AR-1268-3	9.028	7.640	450.1E6	185.9E6	753.957	753.352
44) L9 AR-1268-4	9.457	7.926	197.0E6	77925362	754.900	755.555
45) L9 AR-1268-5	9.877	8.199	1498.0E6	513.8E6	752.951	758.660

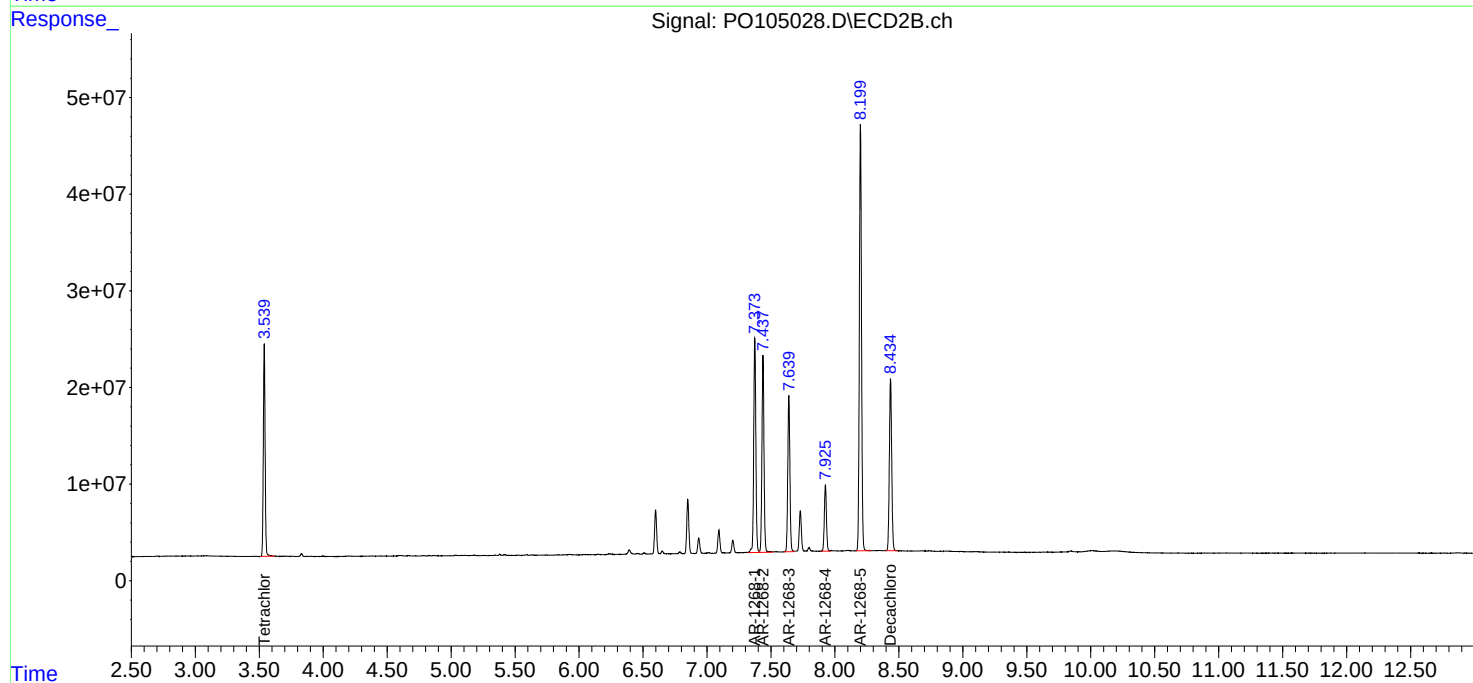
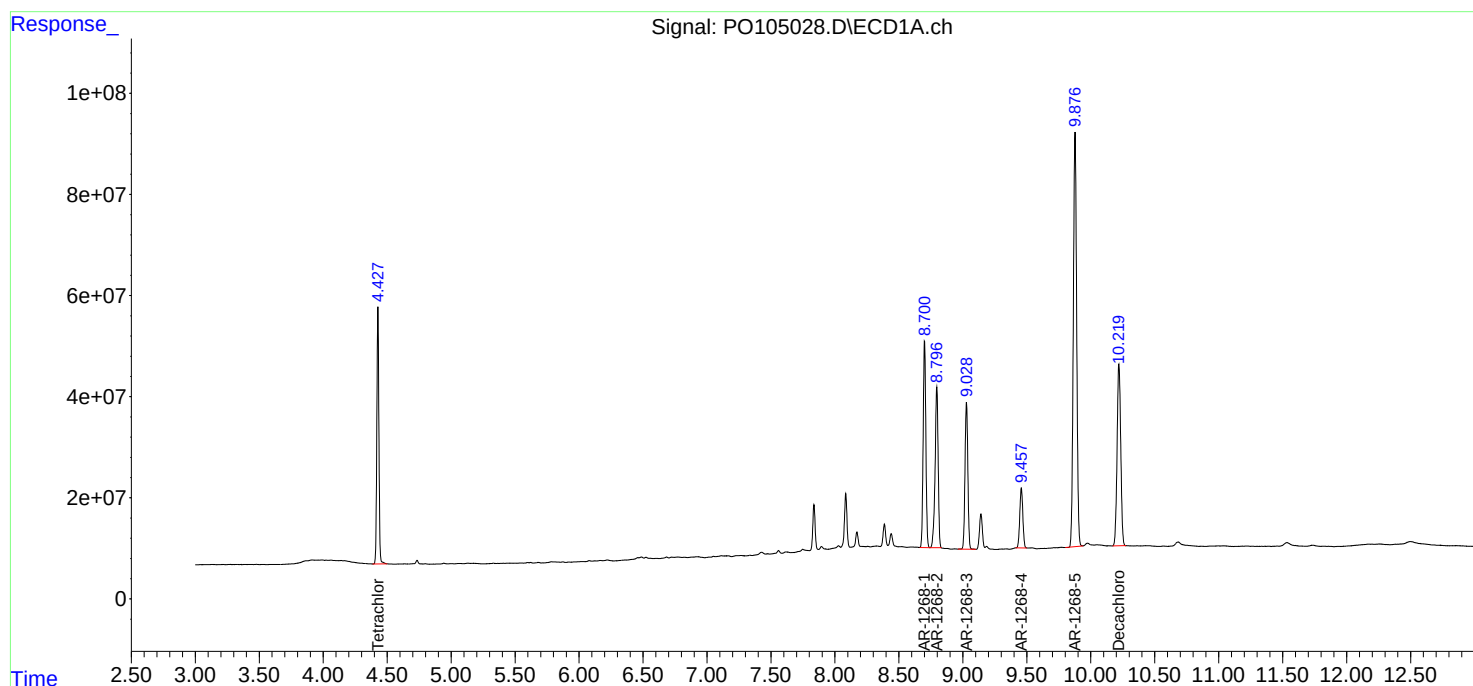
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

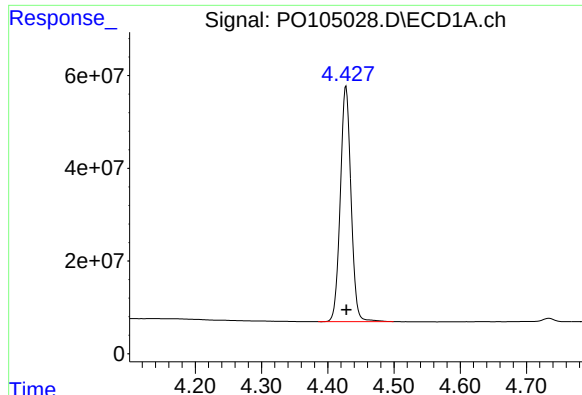
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 01:02
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:54:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:53:56 2024
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

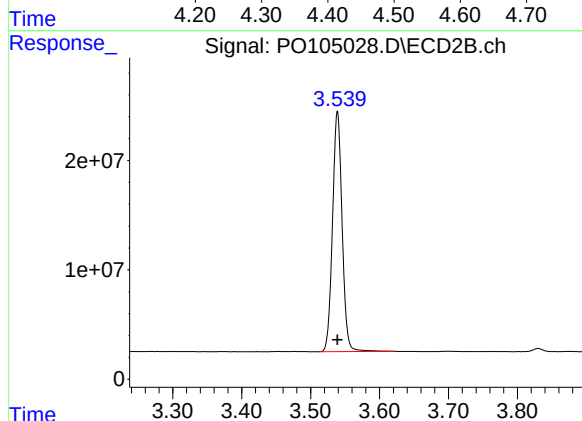




#1 Tetrachloro-m-xylene

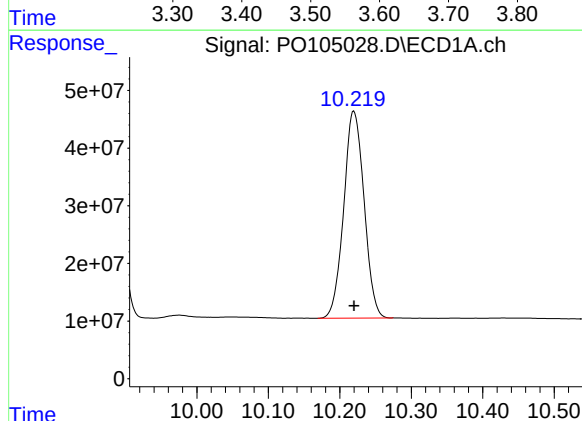
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 570487300
Conc: 74.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



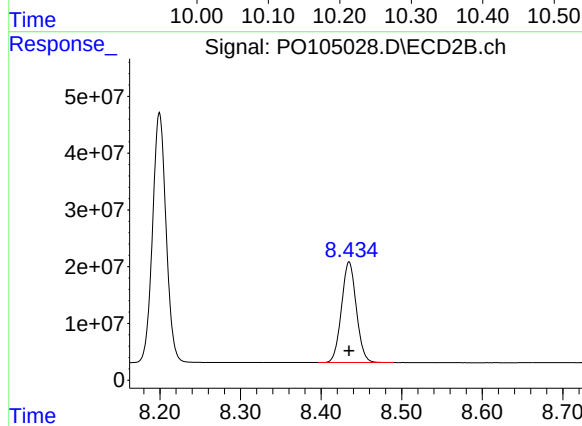
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 212619723
Conc: 74.53 ng/ml



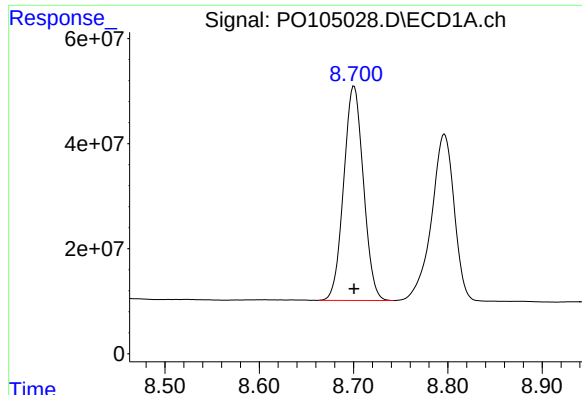
#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 711119267
Conc: 75.20 ng/ml



#2 Decachlorobiphenyl

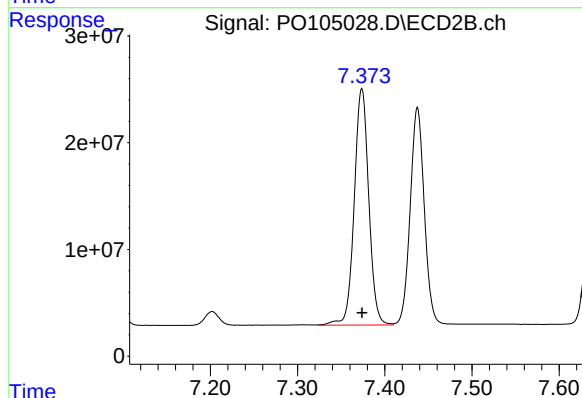
R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 226340824
Conc: 75.80 ng/ml



#41 AR-1268-1

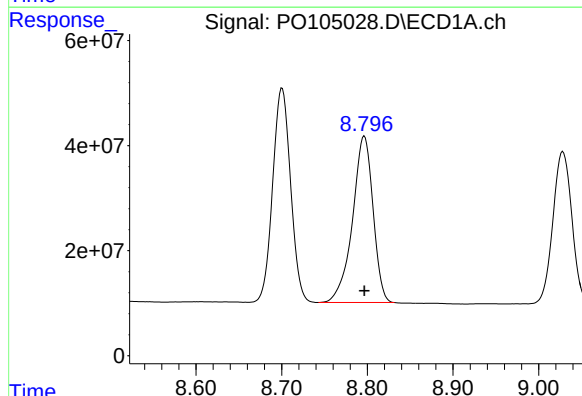
R.T.: 8.701 min
Delta R.T.: 0.000 min
Response: 593257356
Conc: 754.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



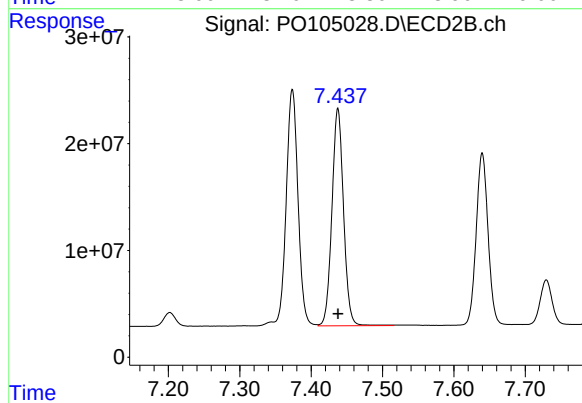
#41 AR-1268-1

R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 256556996
Conc: 755.20 ng/ml



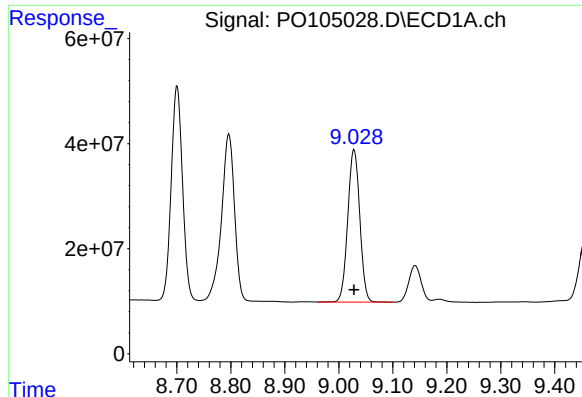
#42 AR-1268-2

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 527355708
Conc: 756.31 ng/ml



#42 AR-1268-2

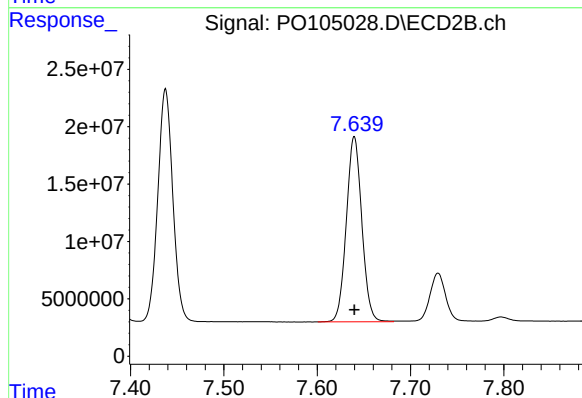
R.T.: 7.438 min
Delta R.T.: 0.000 min
Response: 230257260
Conc: 756.31 ng/ml



#43 AR-1268-3

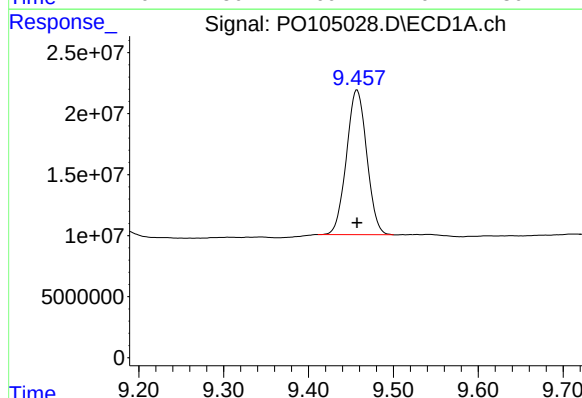
R.T.: 9.028 min
Delta R.T.: 0.000 min
Response: 450116208
Conc: 753.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



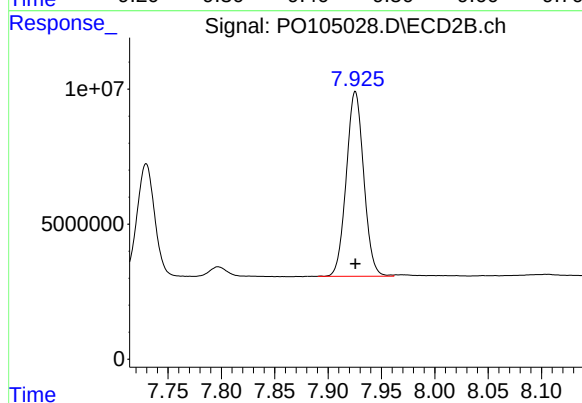
#43 AR-1268-3

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 185855581
Conc: 753.35 ng/ml



#44 AR-1268-4

R.T.: 9.457 min
Delta R.T.: 0.000 min
Response: 197028263
Conc: 754.90 ng/ml



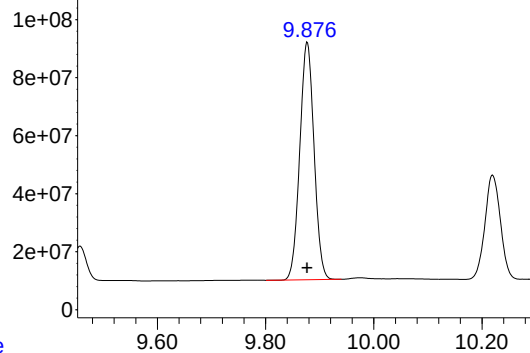
#44 AR-1268-4

R.T.: 7.926 min
Delta R.T.: 0.000 min
Response: 77925362
Conc: 755.56 ng/ml

Response_

Signal: PO105028.D\ECD1A.ch

#45 AR-1268-5



R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 1498046629
Conc: 752.95 ng/ml

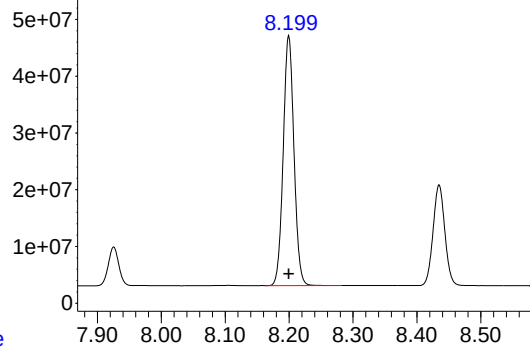
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Time

Response_

Signal: PO105028.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.199 min
Delta R.T.: 0.000 min
Response: 513844474
Conc: 758.66 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 01:20
 Operator : YP/AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:47:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:46:25 2024
 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...	4.427	3.539	389.8E6	145.0E6	50.000	50.000
2) SA Decachlor...	10.220	8.435	482.9E6	154.0E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	8.701	7.373	400.1E6	173.6E6	500.000	500.000
42) L9 AR-1268-2	8.797	7.437	353.8E6	155.6E6	500.000	500.000
43) L9 AR-1268-3	9.028	7.640	303.2E6	126.4E6	500.000	500.000
44) L9 AR-1268-4	9.457	7.926	132.2E6	53138463	500.000	500.000
45) L9 AR-1268-5	9.877	8.200	1004.9E6	344.0E6	500.000	500.000

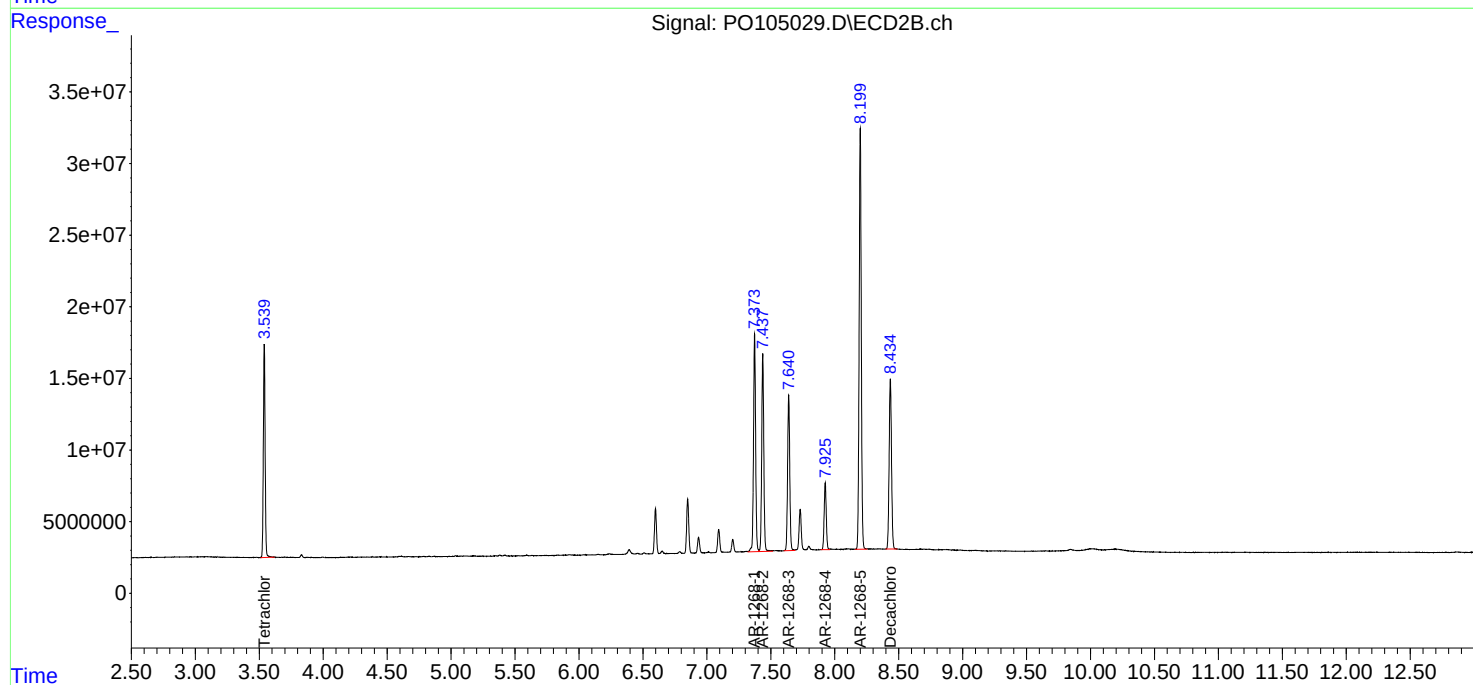
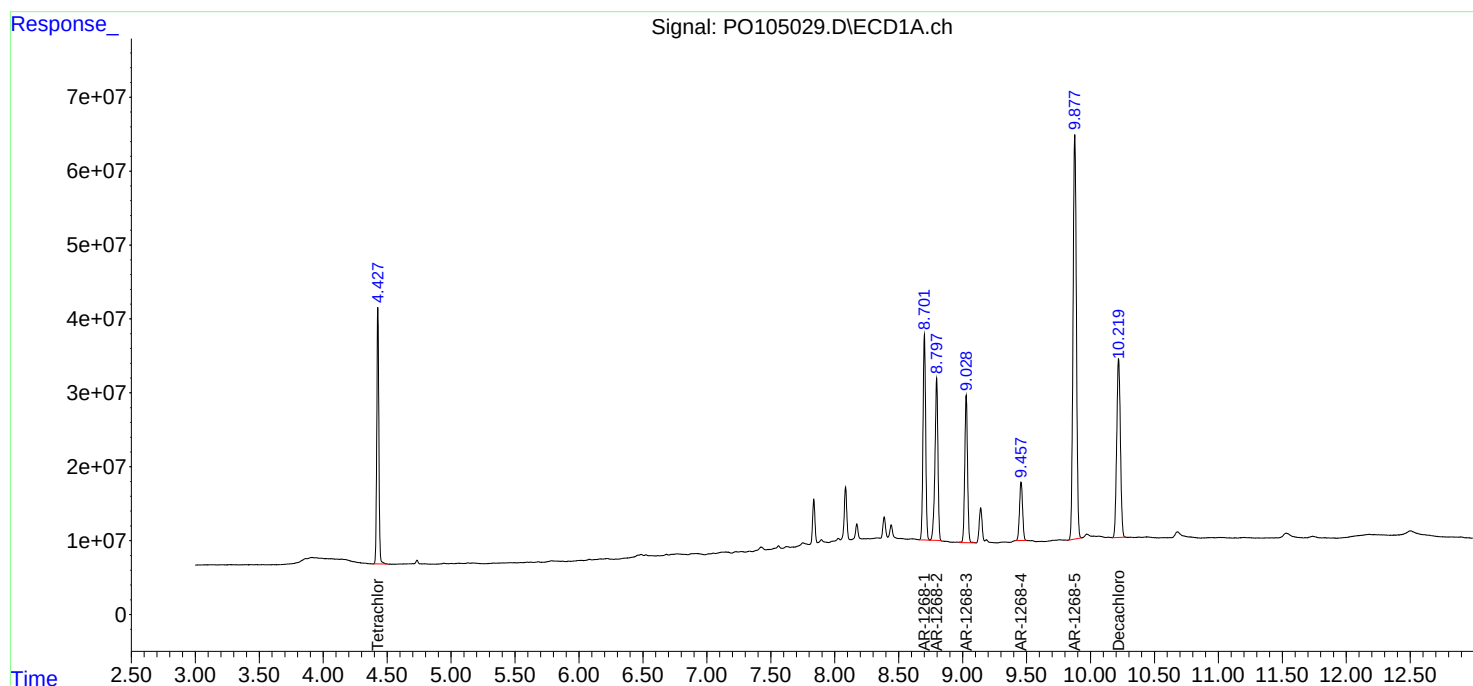
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 01:20
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:47:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:46:25 2024
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



Response_

Signal: PO105029.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.427 min

Delta R.T.: 0.000 min

Response: 389834405

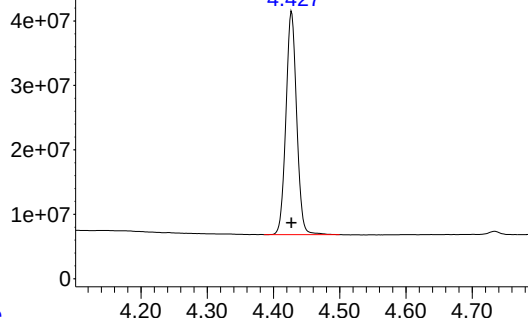
Conc: 50.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1268ICC500



Time

Response_

Signal: PO105029.D\ECD2B.ch

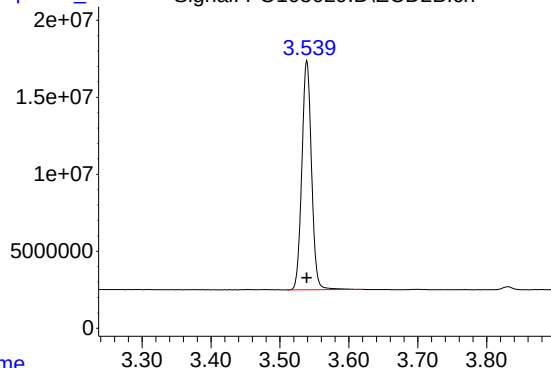
#1 Tetrachloro-m-xylene

R.T.: 3.539 min

Delta R.T.: 0.000 min

Response: 145024722

Conc: 50.00 ng/ml



Time

Response_

Signal: PO105029.D\ECD1A.ch

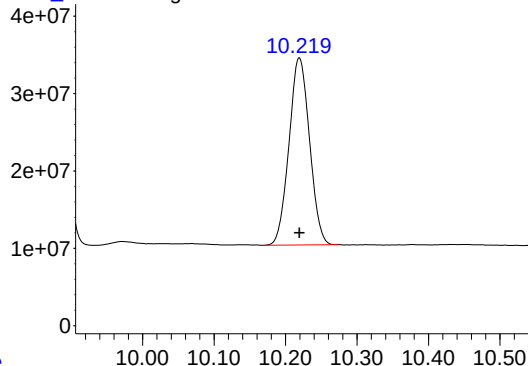
#2 Decachlorobiphenyl

R.T.: 10.220 min

Delta R.T.: 0.000 min

Response: 482929534

Conc: 50.00 ng/ml



Time

Response_

Signal: PO105029.D\ECD2B.ch

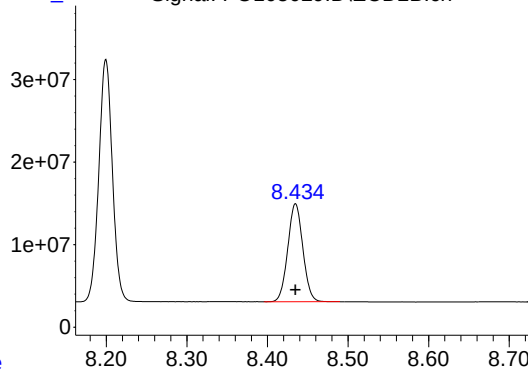
#2 Decachlorobiphenyl

R.T.: 8.435 min

Delta R.T.: 0.000 min

Response: 154010672

Conc: 50.00 ng/ml



Time

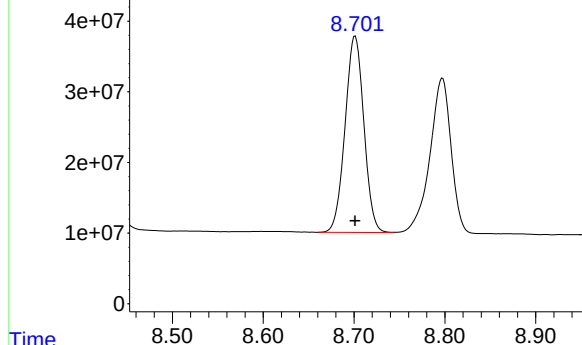
Response_

Signal: PO105029.D\ECD1A.ch

#41 AR-1268-1

R.T.: 8.701 min
Delta R.T.: 0.000 min
Response: 400079301
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



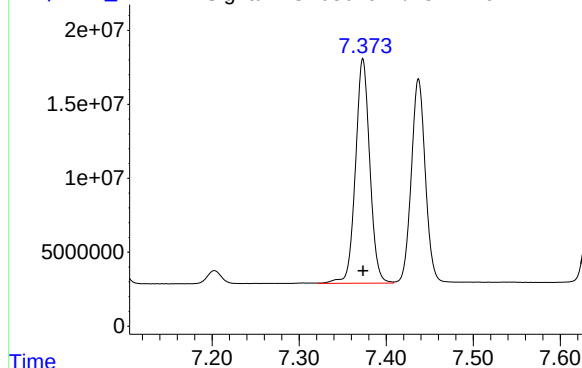
Time

Response_

Signal: PO105029.D\ECD2B.ch

#41 AR-1268-1

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 173641765
Conc: 500.00 ng/ml



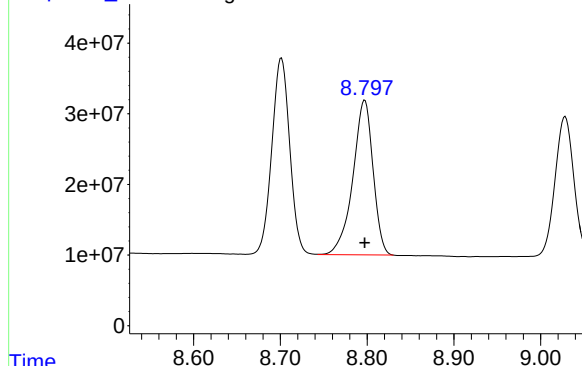
Time

Response_

Signal: PO105029.D\ECD1A.ch

#42 AR-1268-2

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 353825985
Conc: 500.00 ng/ml



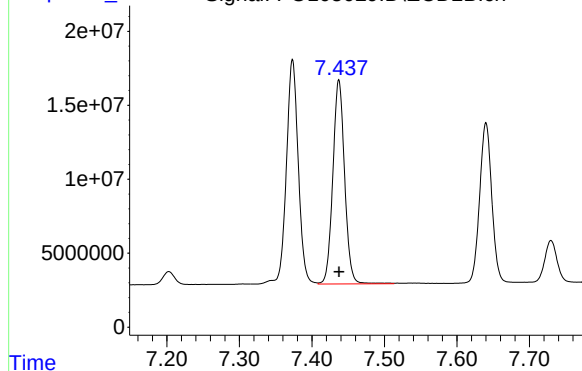
Time

Response_

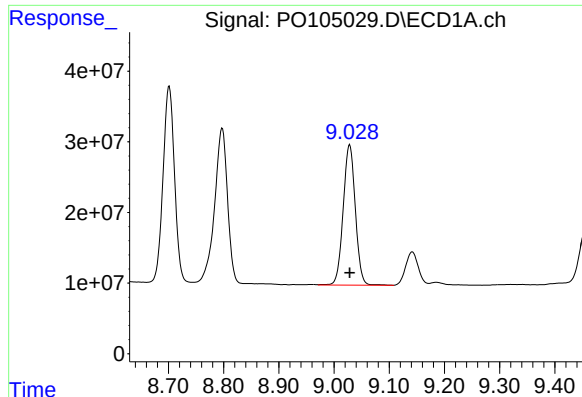
Signal: PO105029.D\ECD2B.ch

#42 AR-1268-2

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 155635441
Conc: 500.00 ng/ml



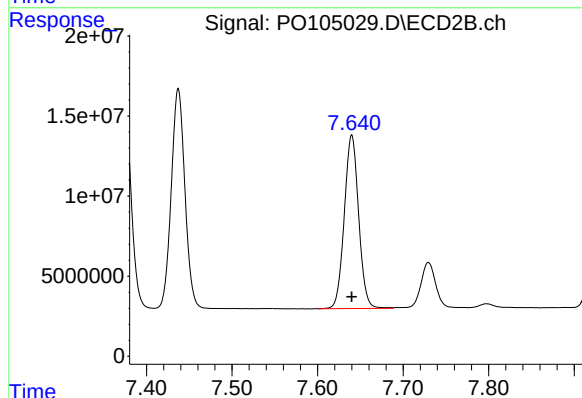
Time



#43 AR-1268-3

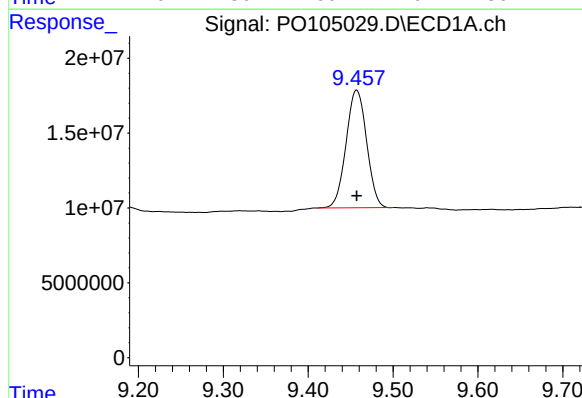
R.T.: 9.028 min
Delta R.T.: 0.000 min
Response: 303246279
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500



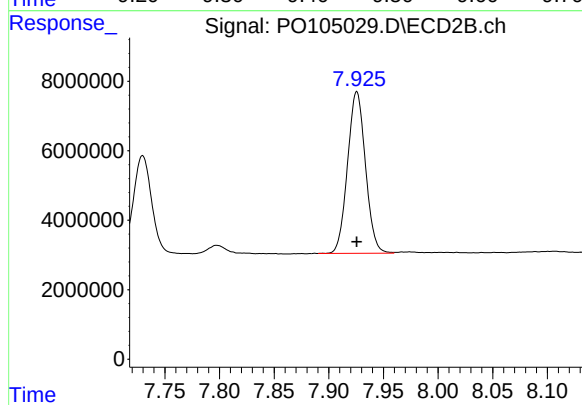
#43 AR-1268-3

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 126440446
Conc: 500.00 ng/ml



#44 AR-1268-4

R.T.: 9.457 min
Delta R.T.: 0.000 min
Response: 132207672
Conc: 500.00 ng/ml



#44 AR-1268-4

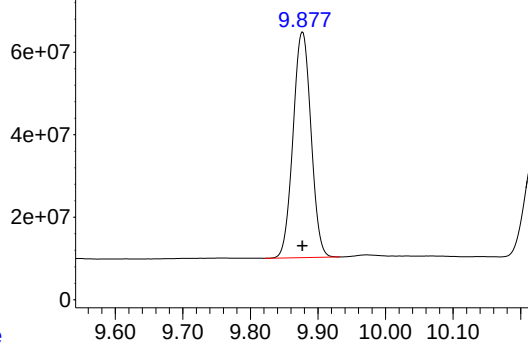
R.T.: 7.926 min
Delta R.T.: 0.000 min
Response: 53138463
Conc: 500.00 ng/ml

Response_

Signal: PO105029.D\ECD1A.ch

#45 AR-1268-5

ICAL Form



R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 1004931362
Conc: 500.00 ng/ml

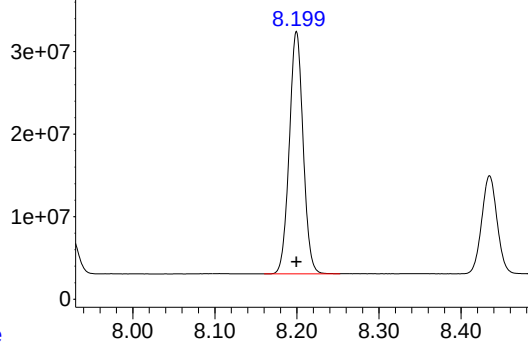
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PO105029.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.200 min
Delta R.T.: 0.000 min
Response: 344016619
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 01:37
 Operator : YP/AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:55:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:55:47 2024
 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...	4.428	3.539	195.4E6	71991625	25.455	25.177
2) SA Decachlor...	10.220	8.435	249.3E6	79602498	26.008	26.224
Target Compounds						
41) L9 AR-1268-1	8.702	7.373	206.6E6	90279026	259.439	261.626
42) L9 AR-1268-2	8.797	7.437	181.3E6	80058660	257.435	259.597
43) L9 AR-1268-3	9.029	7.640	153.8E6	65039534	255.653	260.087
44) L9 AR-1268-4	9.458	7.925	65650146	27556423	251.149	262.670
45) L9 AR-1268-5	9.878	8.199	508.1E6	173.2E6	253.999	254.314

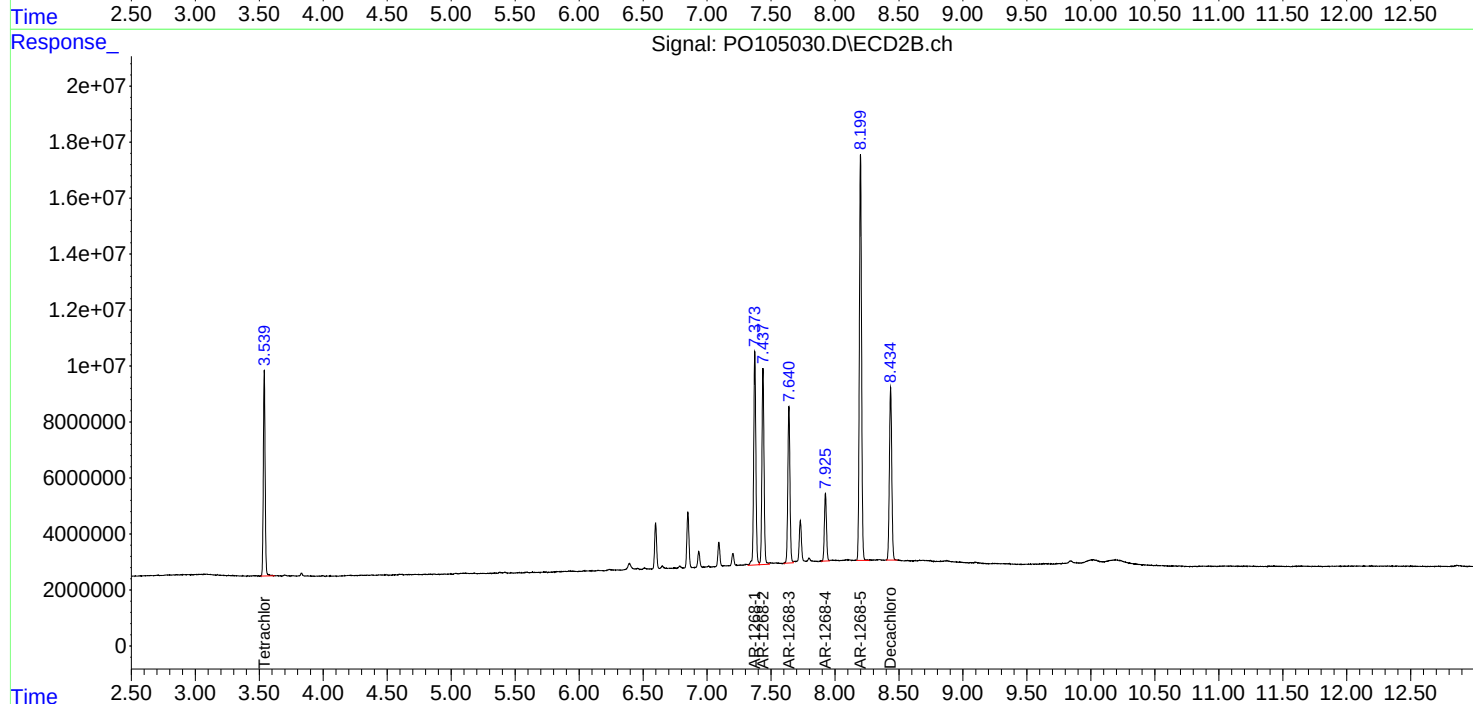
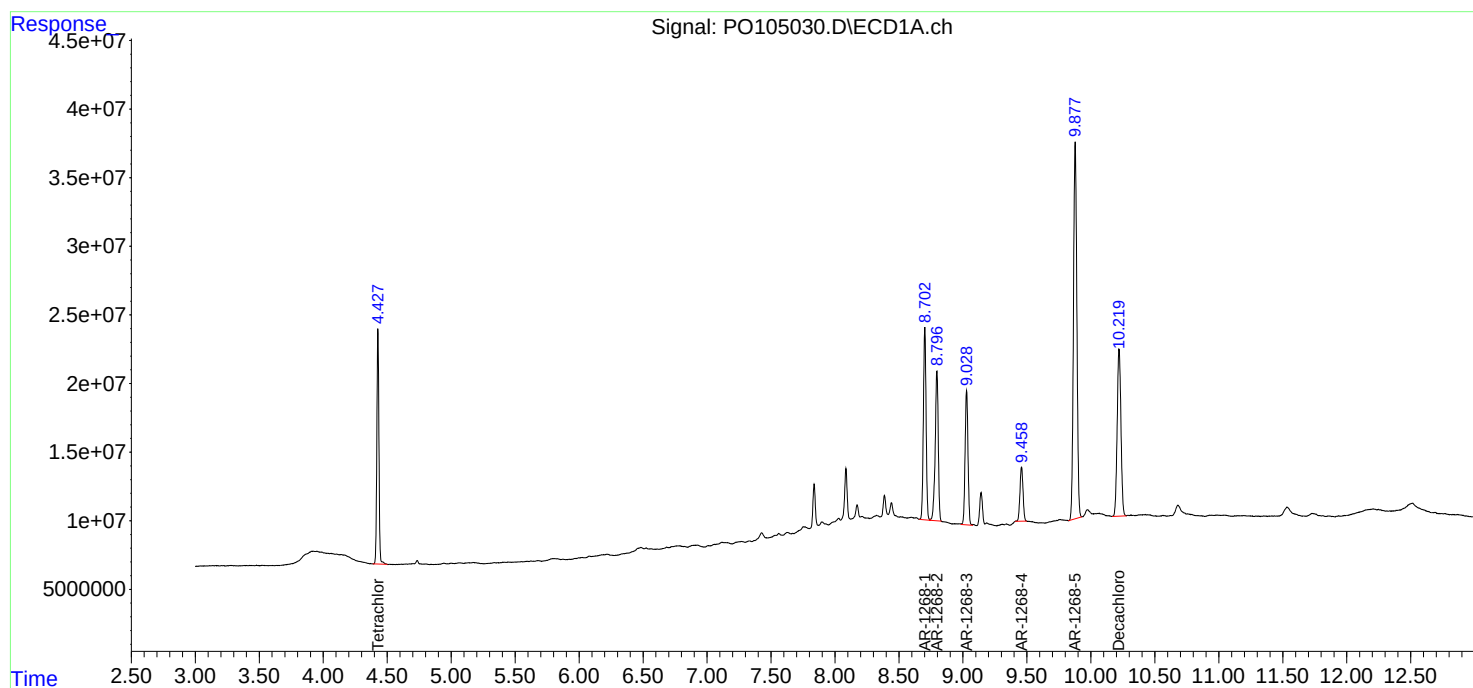
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

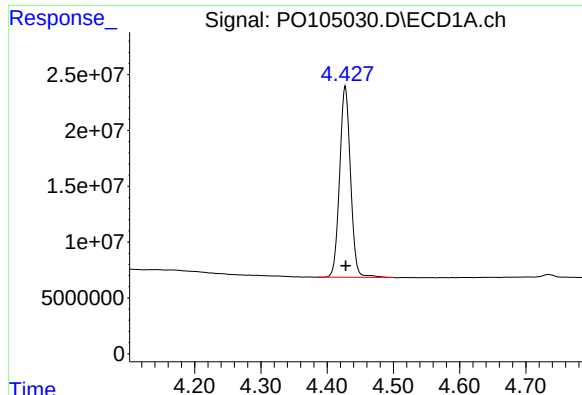
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 01:37
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:55:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:55:47 2024
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

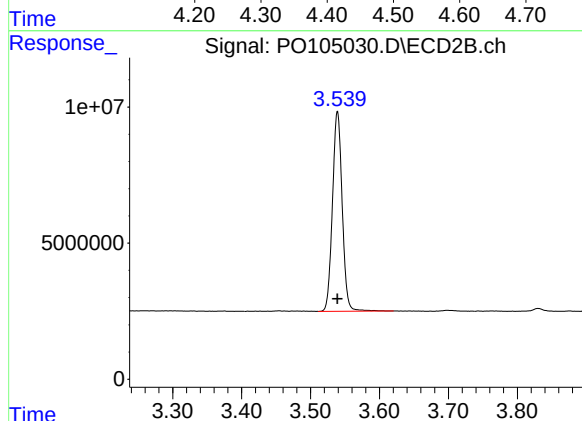




#1 Tetrachloro-m-xylene

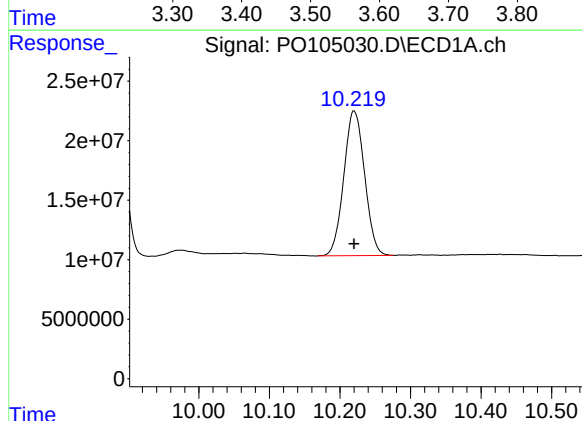
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 195445365
Conc: 25.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



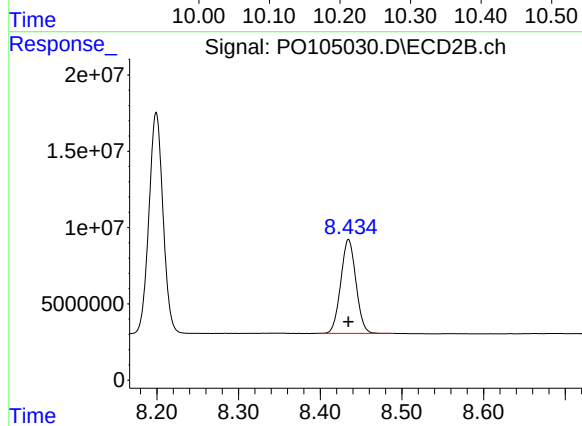
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 71991625
Conc: 25.18 ng/ml



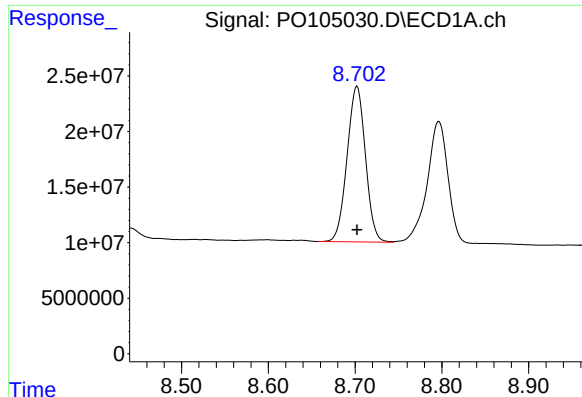
#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 249284090
Conc: 26.01 ng/ml



#2 Decachlorobiphenyl

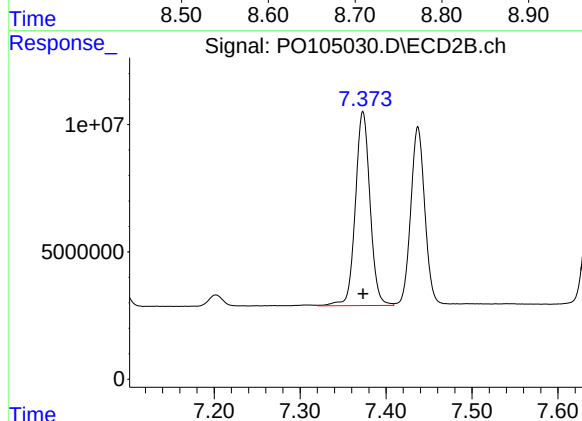
R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 79602498
Conc: 26.22 ng/ml



#41 AR-1268-1

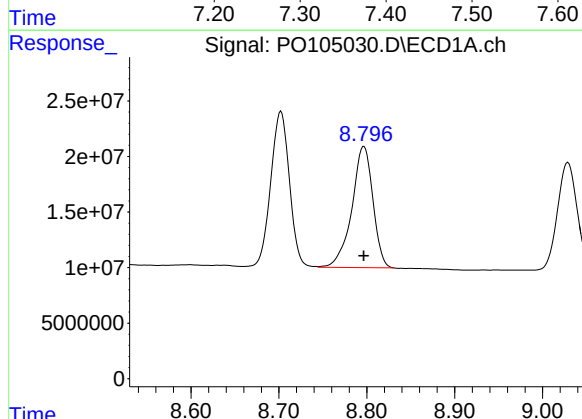
R.T.: 8.702 min
Delta R.T.: 0.000 min
Response: 206563031
Conc: 259.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



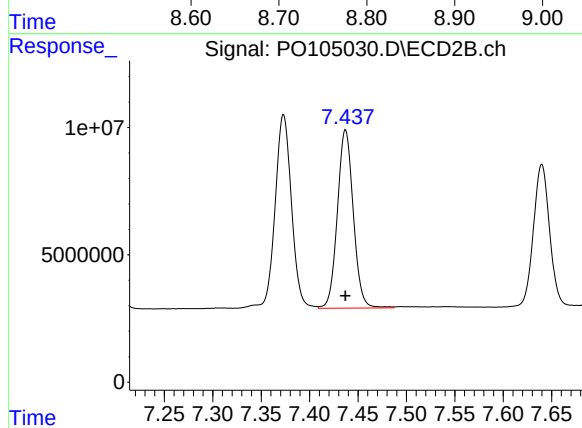
#41 AR-1268-1

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 90279026
Conc: 261.63 ng/ml



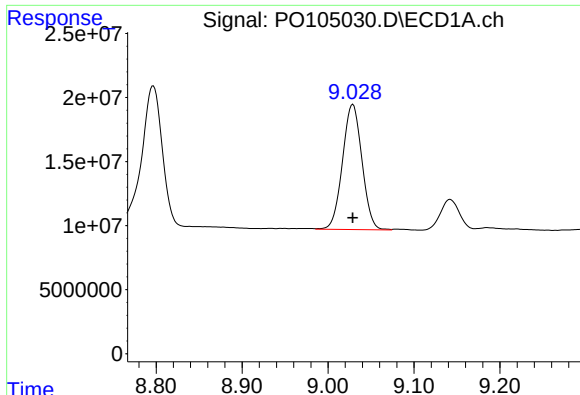
#42 AR-1268-2

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 181299736
Conc: 257.44 ng/ml



#42 AR-1268-2

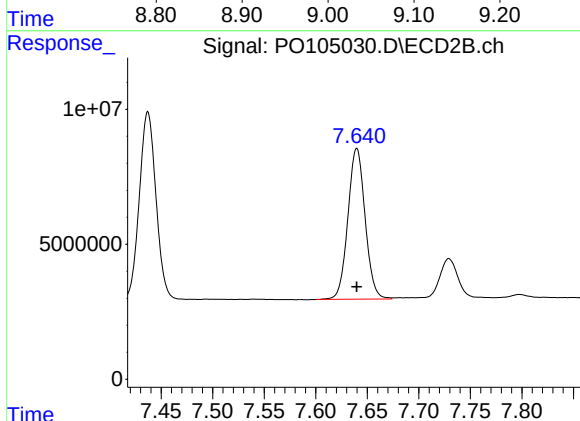
R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 80058660
Conc: 259.60 ng/ml



#43 AR-1268-3

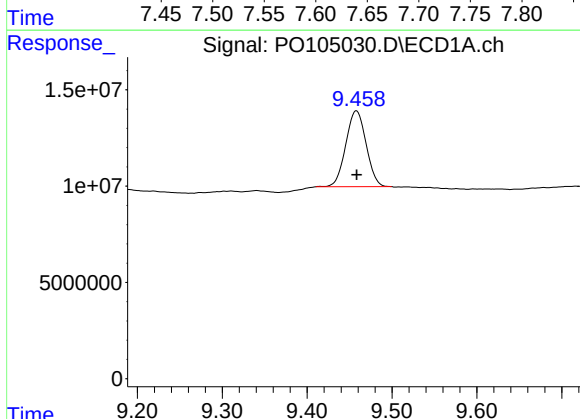
R.T.: 9.029 min
Delta R.T.: 0.000 min
Response: 153785699
Conc: 255.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



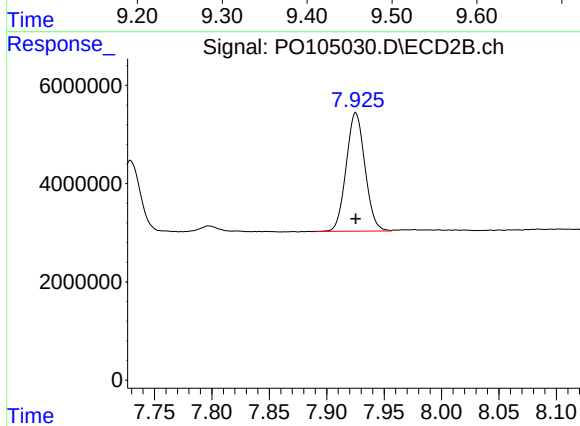
#43 AR-1268-3

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 65039534
Conc: 260.09 ng/ml



#44 AR-1268-4

R.T.: 9.458 min
Delta R.T.: 0.000 min
Response: 65650146
Conc: 251.15 ng/ml



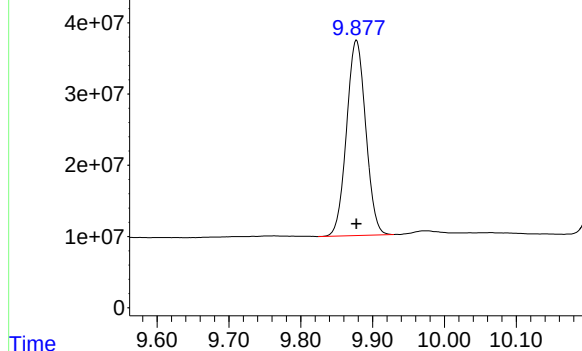
#44 AR-1268-4

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 27556423
Conc: 262.67 ng/ml

Response_

Signal: PO105030.D\ECD1A.ch

#45 AR-1268-5



R.T.: 9.878 min
Delta R.T.: 0.000 min
Response: 508056578
Conc: 254.00 ng/ml

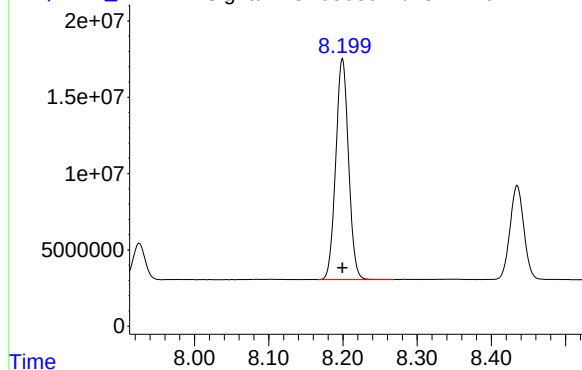
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Time

Response_

Signal: PO105030.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.199 min
Delta R.T.: 0.000 min
Response: 173244924
Conc: 254.31 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 01:54
 Operator : YP/AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1268ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:57:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:57:40 2024
 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...	4.428	3.539	33607373	12543517	4.489	4.497
2) SA Decachlor...	10.220	8.434	42676224	15036740	4.552	4.963
Target Compounds						
41) L9 AR-1268-1	8.702	7.373	37883571	18941463	48.046	53.838
42) L9 AR-1268-2	8.797	7.437	32470729	15852847	46.836	51.117
43) L9 AR-1268-3	9.029	7.640	28913012	12775730	48.440	50.867
44) L9 AR-1268-4	9.459	7.925	10796409	5044813	42.306m	48.458
45) L9 AR-1268-5	9.879	8.199	90061211	31245100	45.940	46.637

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 01:54
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

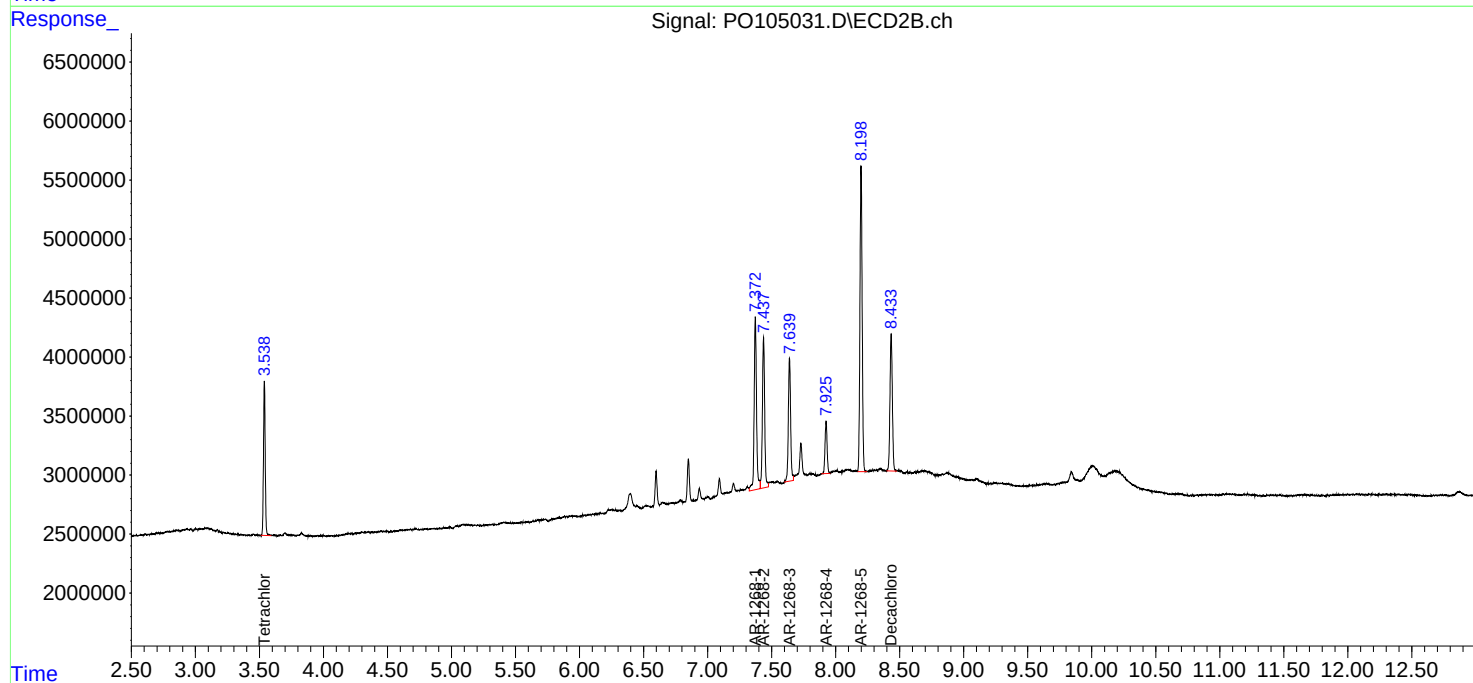
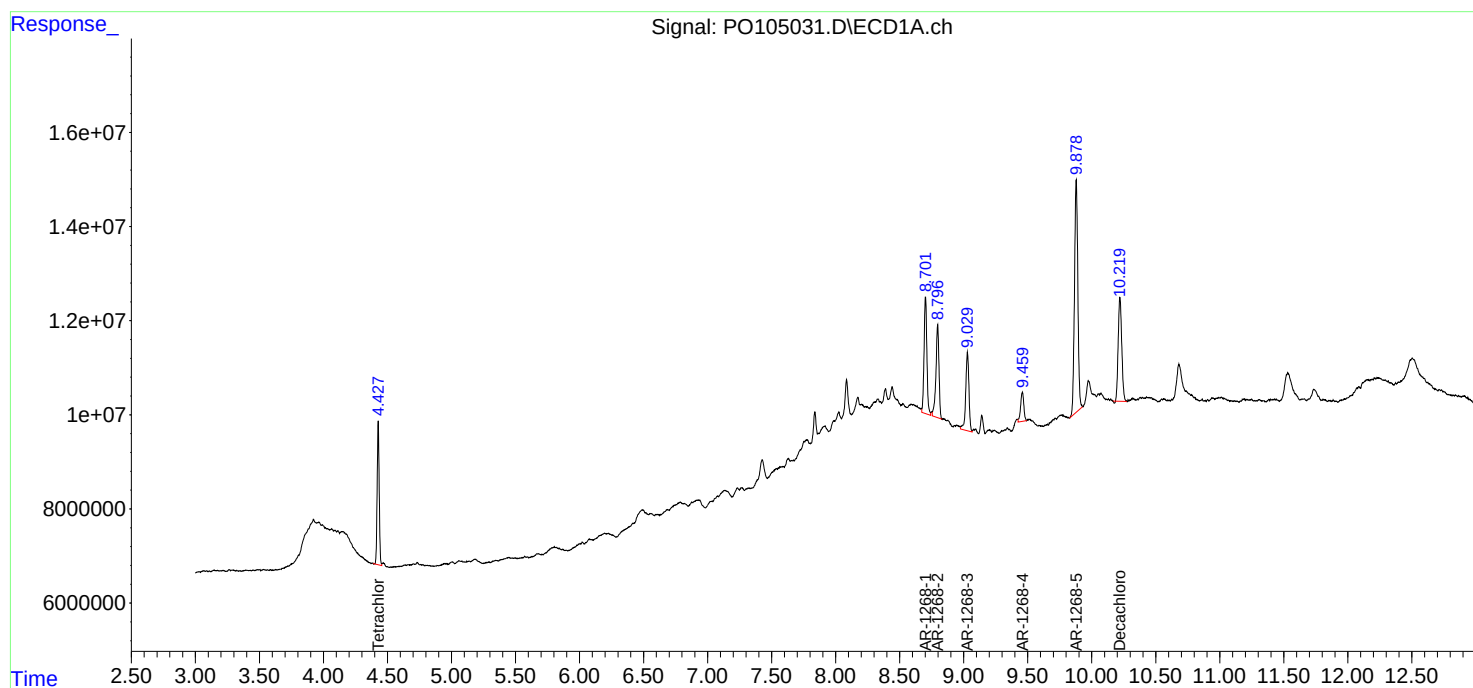
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

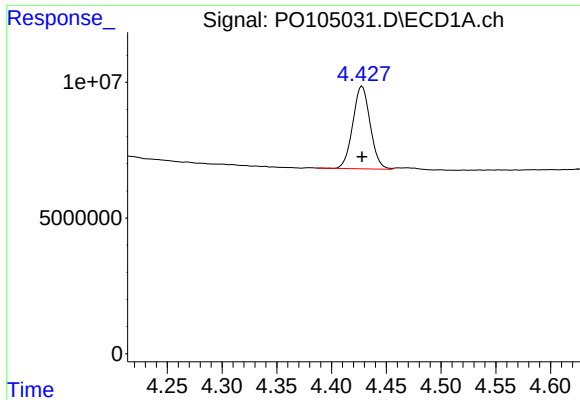
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:57:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:57:40 2024
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

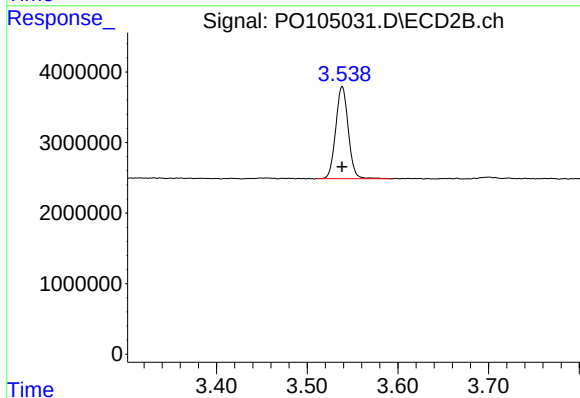
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 33607373
Conc: 4.49 ng/ml

ICAL Form

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

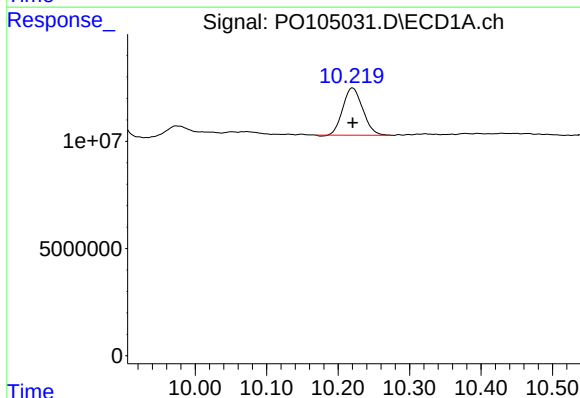
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



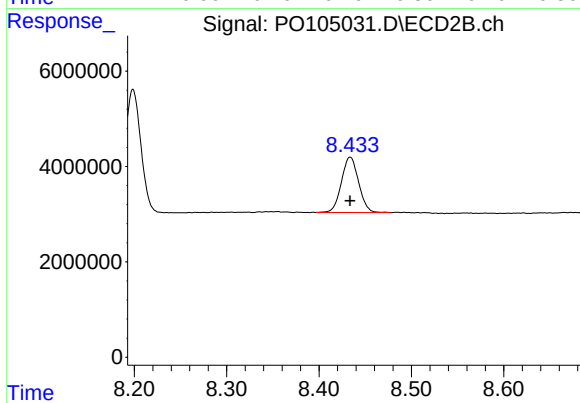
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 12543517
Conc: 4.50 ng/ml



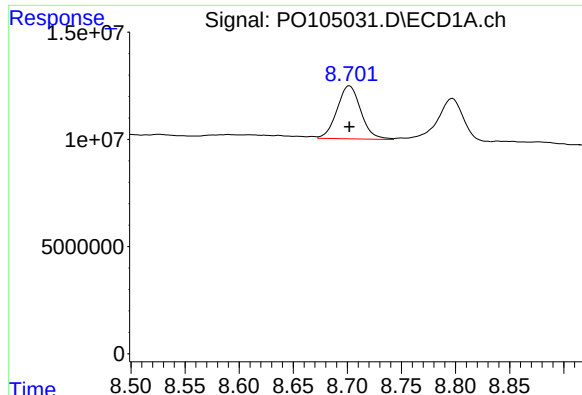
#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 42676224
Conc: 4.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.434 min
Delta R.T.: 0.000 min
Response: 15036740
Conc: 4.96 ng/ml



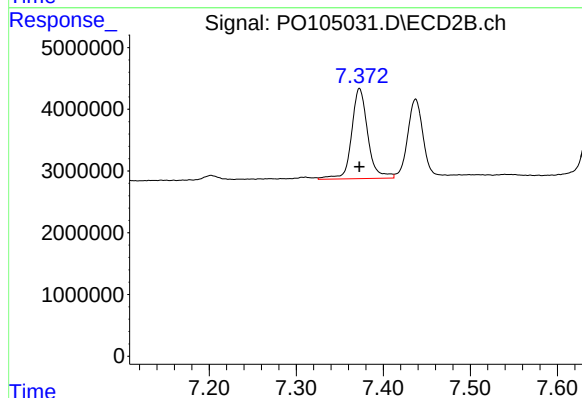
#41 AR-1268-1

R.T.: 8.702 min
Delta R.T.: 0.000 min
Response: 37883571
Conc: 48.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

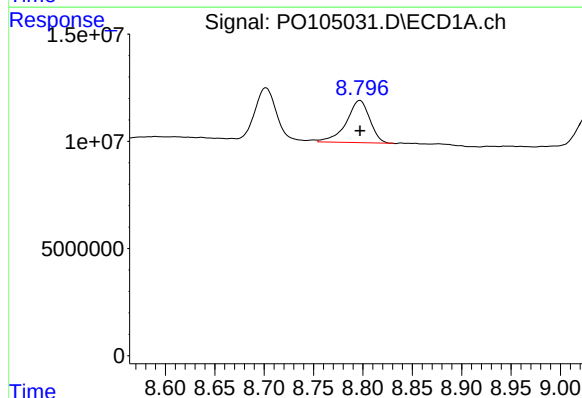
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



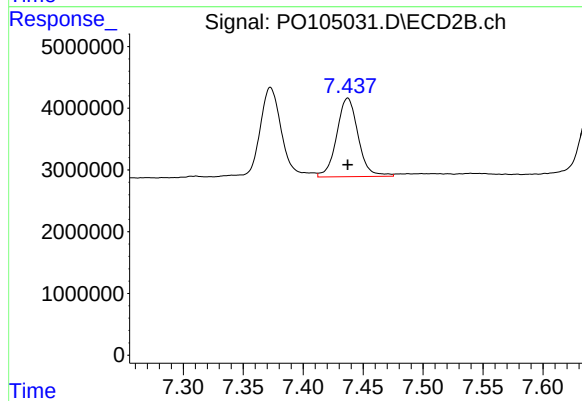
#41 AR-1268-1

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 18941463
Conc: 53.84 ng/ml



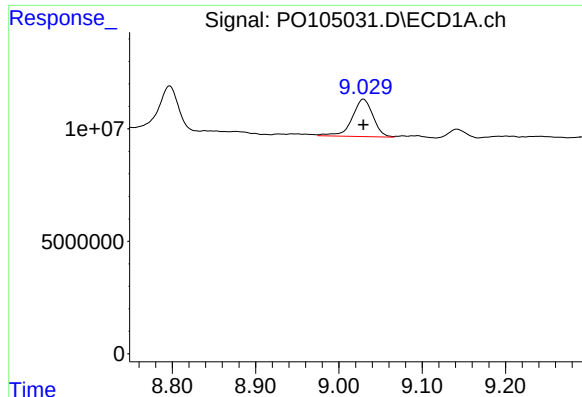
#42 AR-1268-2

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 32470729
Conc: 46.84 ng/ml



#42 AR-1268-2

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 15852847
Conc: 51.12 ng/ml



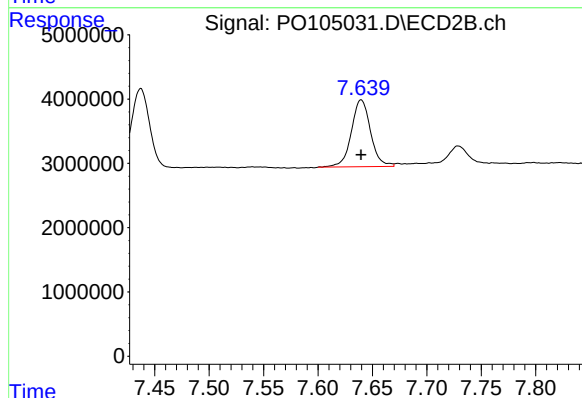
#43 AR-1268-3

R.T.: 9.029 min
Delta R.T.: 0.000 min
Response: 28913012
Conc: 48.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

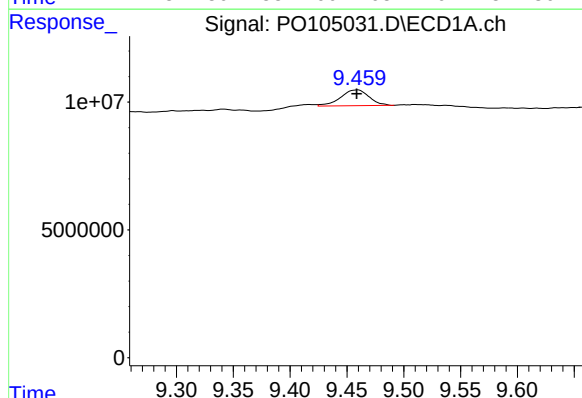
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024



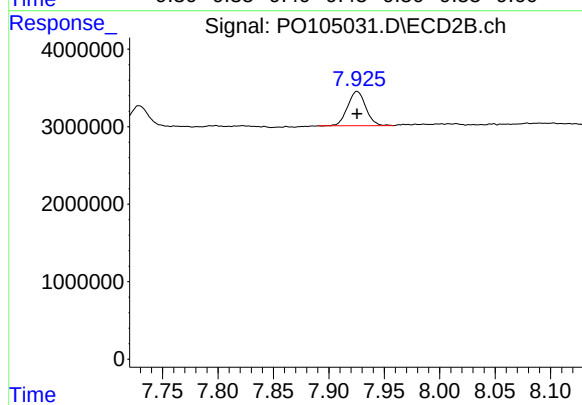
#43 AR-1268-3

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 12775730
Conc: 50.87 ng/ml



#44 AR-1268-4

R.T.: 9.459 min
Delta R.T.: 0.000 min
Response: 10796409
Conc: 42.31 ng/ml m



#44 AR-1268-4

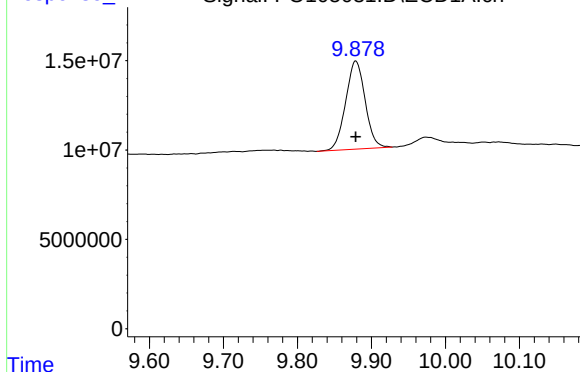
R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 5044813
Conc: 48.46 ng/ml

Response_

Signal: PO105031.D\ECD1A.ch

#45 AR-1268-5

ICAL Form



R.T.: 9.879 min
Delta R.T.: 0.000 min
Response: 90061211
Conc: 45.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Manual Integrations
APPROVED

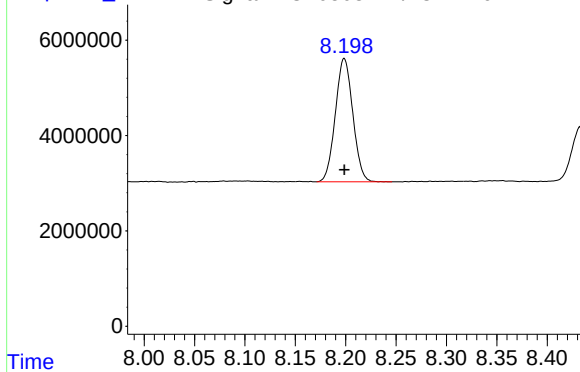
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :Ankita Jodhani 07/30/2024

Time

Response_

Signal: PO105031.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.199 min
Delta R.T.: 0.000 min
Response: 31245100
Conc: 46.64 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 02:29
 Operator : YP/AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO072924AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 05:23:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 05:21:29 2024
 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...	4.428	3.539	408.6E6	148.0E6	56.347	55.095
2) SA Decachlor...	10.222	8.435	291.4E6	92974008	54.943	55.597
Target Compounds						
16) L4 AR-1242-1	5.599	4.596	109.1E6	41664725	558.713	544.219
17) L4 AR-1242-2	5.622	4.614	152.0E6	57586476	555.501	548.865
18) L4 AR-1242-3	5.684	4.786	93266330	30835164	552.645	555.578
19) L4 AR-1242-4	5.784	4.868	79461277	31086075	542.192	555.497
20) L4 AR-1242-5	6.527	5.380	85565000	39396331	510.909	555.523

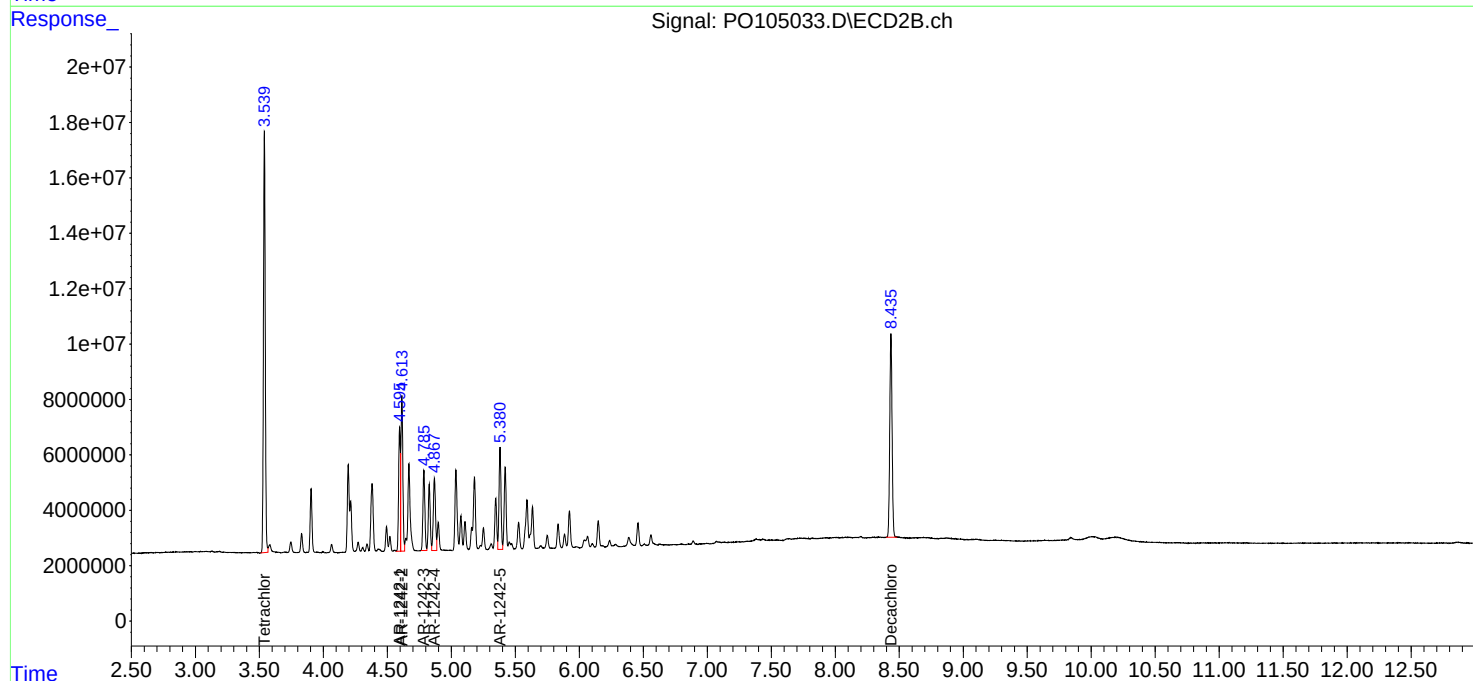
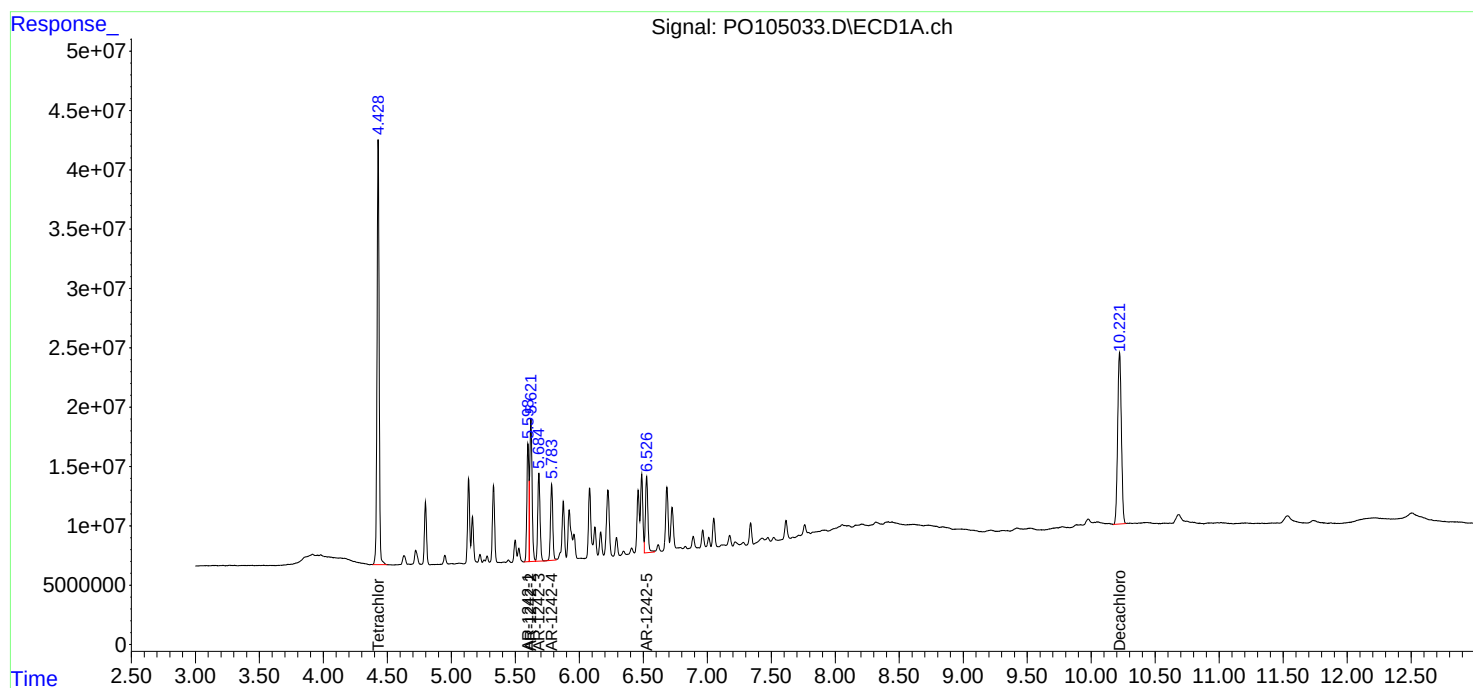
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

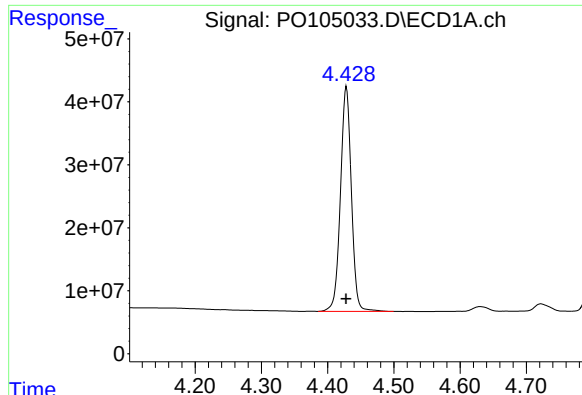
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 02:29
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 05:23:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 05:21:29 2024
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

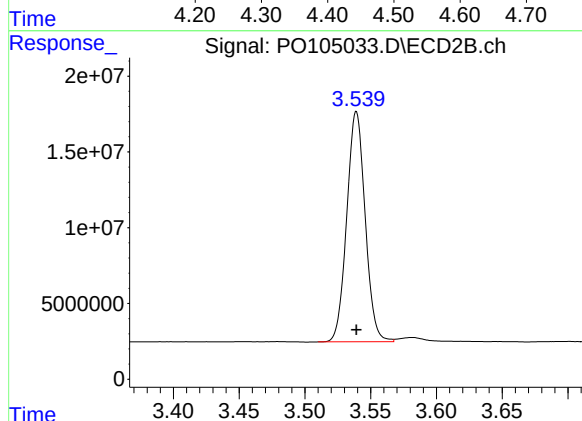




#1 Tetrachloro-m-xylene

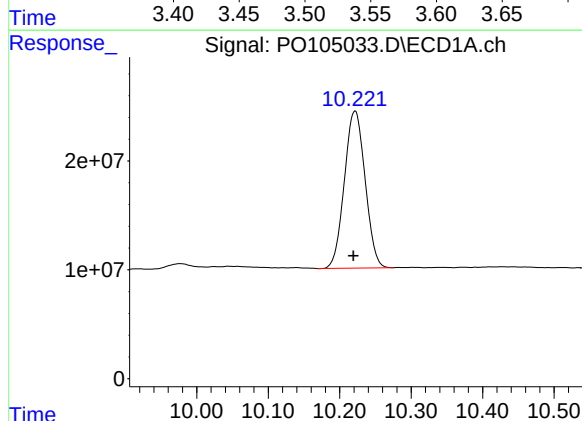
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 408608864
Conc: 56.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1242



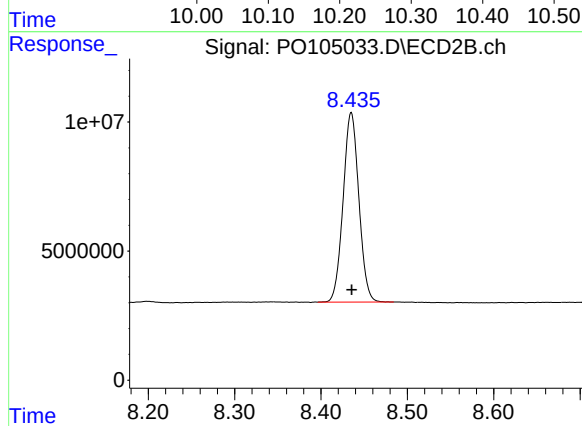
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 147971750
Conc: 55.10 ng/ml



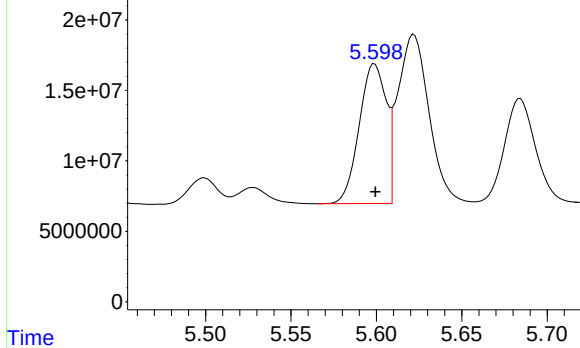
#2 Decachlorobiphenyl

R.T.: 10.222 min
Delta R.T.: 0.003 min
Response: 291363415
Conc: 54.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 92974008
Conc: 55.60 ng/ml



R.T.: 5.599 min
Delta R.T.: 0.000 min
Response: 109071232
Conc: 558.71 ng/ml

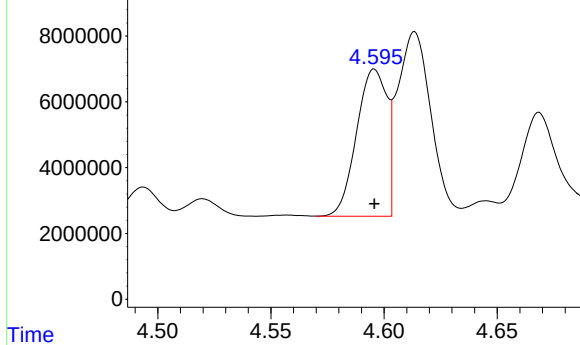
Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1242

Time

Response_

Signal: PO105033.D\ECD2B.ch

#16 AR-1242-1



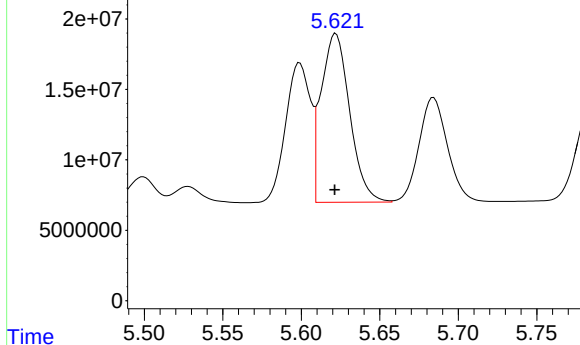
R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 41664725
Conc: 544.22 ng/ml

Time

Response_

Signal: PO105033.D\ECD1A.ch

#17 AR-1242-2



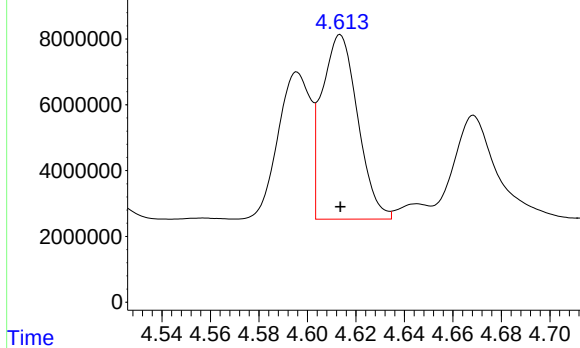
R.T.: 5.622 min
Delta R.T.: 0.000 min
Response: 152048836
Conc: 555.50 ng/ml

Time

Response_

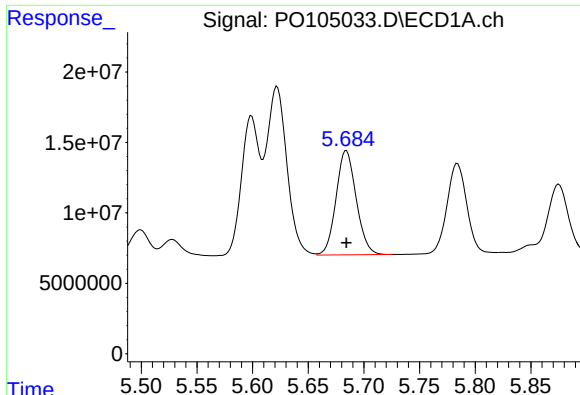
Signal: PO105033.D\ECD2B.ch

#17 AR-1242-2



R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 57586476
Conc: 548.87 ng/ml

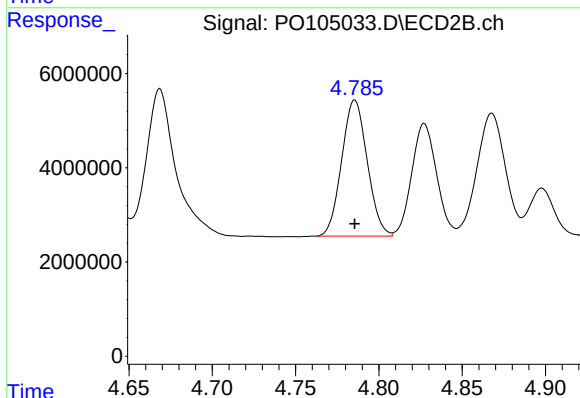
Time



#18 AR-1242-3

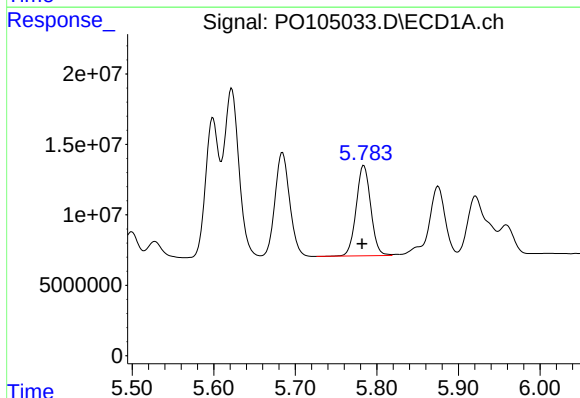
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 93266330
Conc: 552.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1242



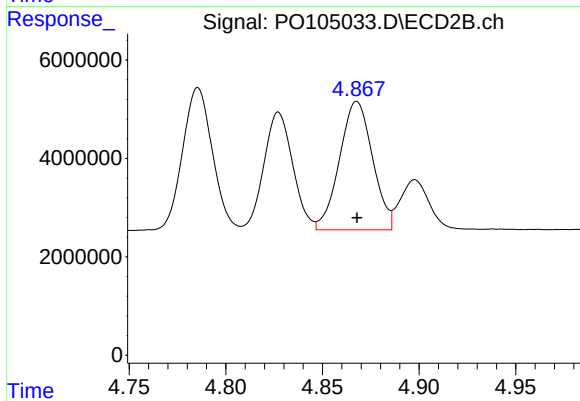
#18 AR-1242-3

R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 30835164
Conc: 555.58 ng/ml



#19 AR-1242-4

R.T.: 5.784 min
Delta R.T.: 0.002 min
Response: 79461277
Conc: 542.19 ng/ml



#19 AR-1242-4

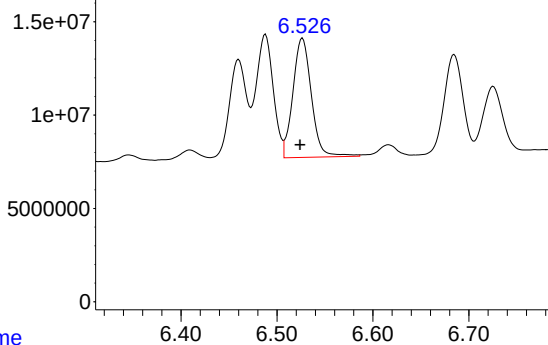
R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 31086075
Conc: 555.50 ng/ml

Response_

Signal: PO105033.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 6.527 min
Delta R.T.: 0.002 min
Response: 85565000
Conc: 510.91 ng/ml

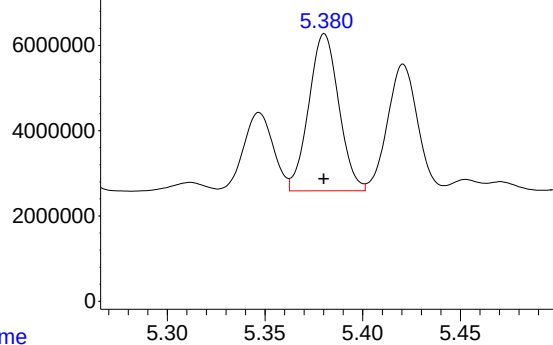
Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1242

Time

Response_

Signal: PO105033.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.380 min
Delta R.T.: 0.000 min
Response: 39396331
Conc: 555.52 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 02:46
 Operator : YP/AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO072924AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:23:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:21:01 2024
 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...	4.428	3.539	415.6E6	154.2E6	55.097	54.376
2) SA Decachlor...	10.220	8.434	300.6E6	96209117	54.686	54.035
Target Compounds						
21) L5 AR-1248-1	5.599	4.595	85389853	33324269	550.801	543.778
22) L5 AR-1248-2	5.875	4.827	119.7E6	45056303	542.751	542.053
23) L5 AR-1248-3	6.080	4.867	133.5E6	47615987	543.829	546.387
24) L5 AR-1248-4	6.487	5.035	155.3E6	55603554	507.380	538.795
25) L5 AR-1248-5	6.526	5.420	149.3E6	55905969	523.176	543.751

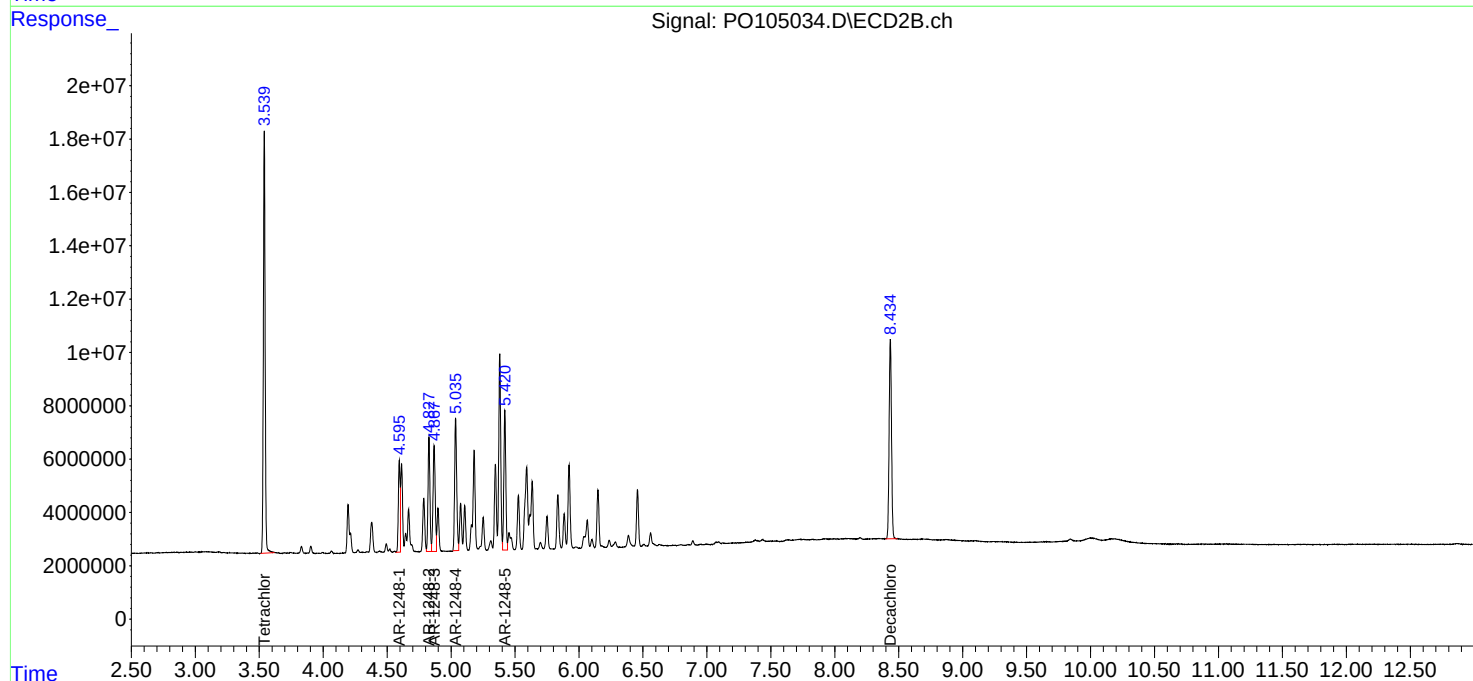
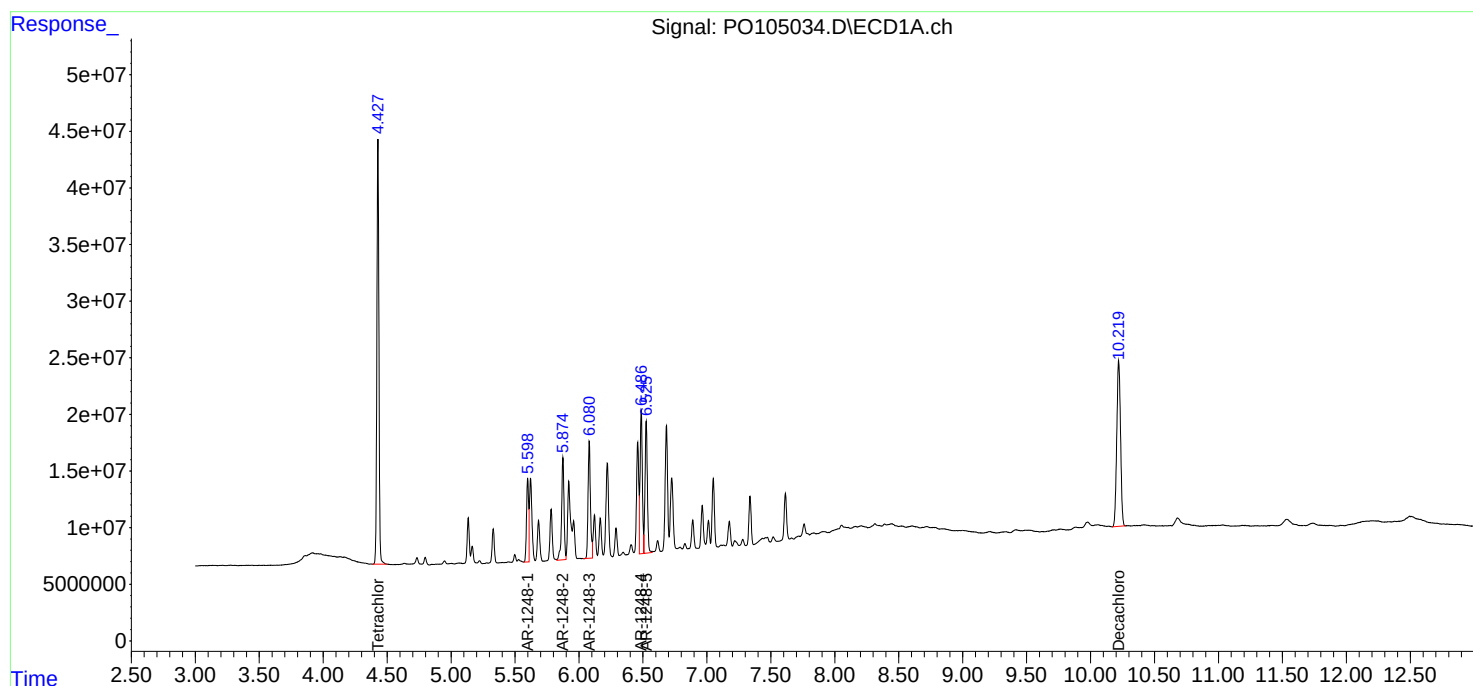
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

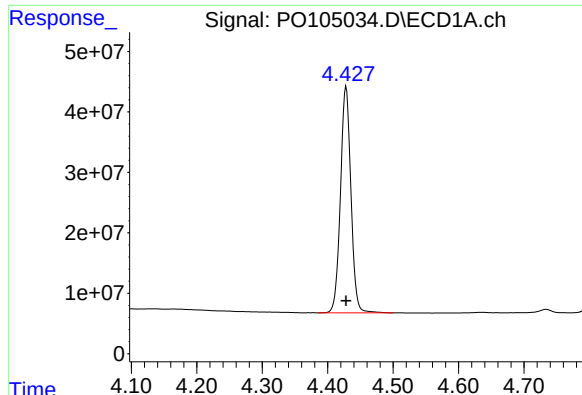
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 02:46
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:23:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:21:01 2024
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

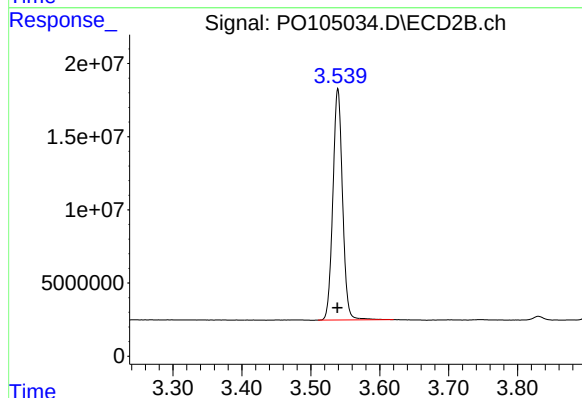




#1 Tetrachloro-m-xylene

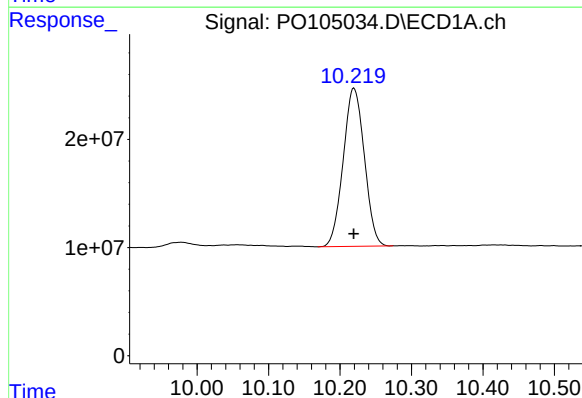
R.T.: 4.428 min
Delta R.T.: 0.000 min
Response: 415565137
Conc: 55.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1248



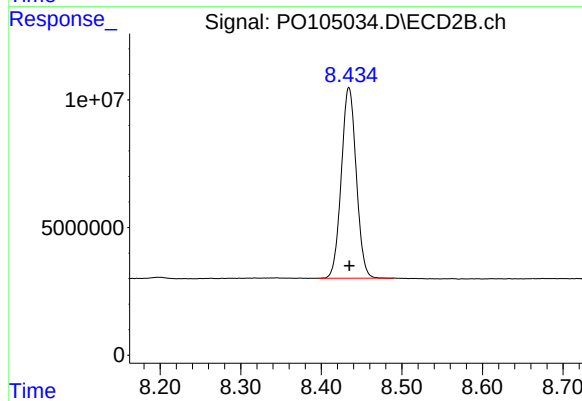
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 154164230
Conc: 54.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 300589191
Conc: 54.69 ng/ml



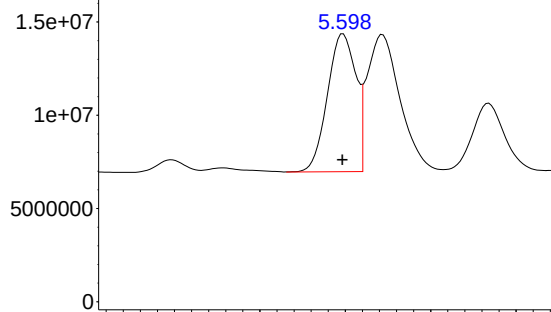
#2 Decachlorobiphenyl

R.T.: 8.434 min
Delta R.T.: 0.000 min
Response: 96209117
Conc: 54.04 ng/ml

Response_

Signal: PO105034.D\ECD1A.ch

#21 AR-1248-1



R.T.: 5.599 min
Delta R.T.: 0.000 min
Response: 85389853
Conc: 550.80 ng/ml

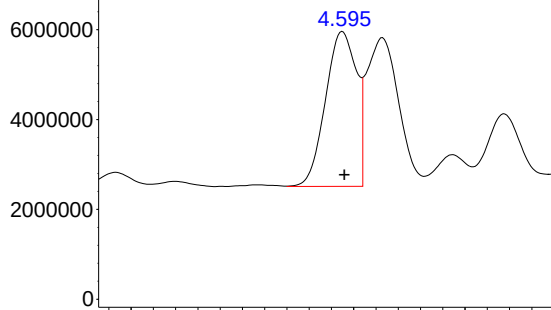
Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1248

Time

Response_

Signal: PO105034.D\ECD2B.ch

#21 AR-1248-1



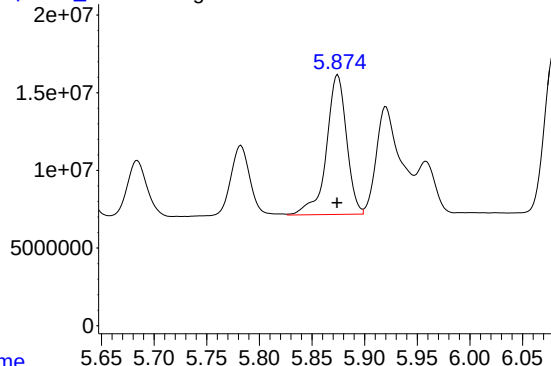
R.T.: 4.595 min
Delta R.T.: 0.000 min
Response: 33324269
Conc: 543.78 ng/ml

Time

Response_

Signal: PO105034.D\ECD1A.ch

#22 AR-1248-2



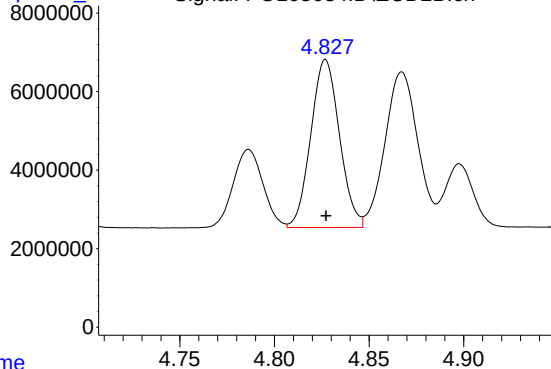
R.T.: 5.875 min
Delta R.T.: 0.000 min
Response: 119726196
Conc: 542.75 ng/ml

Time

Response_

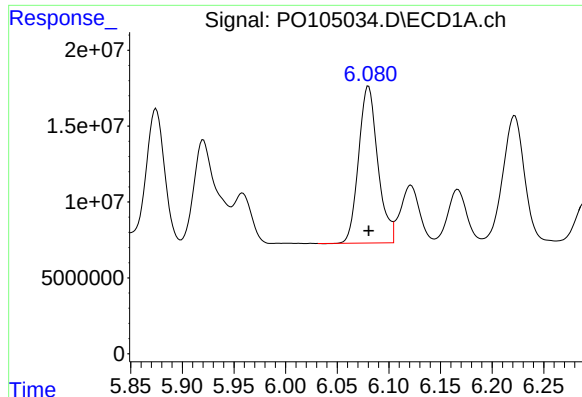
Signal: PO105034.D\ECD2B.ch

#22 AR-1248-2



R.T.: 4.827 min
Delta R.T.: 0.000 min
Response: 45056303
Conc: 542.05 ng/ml

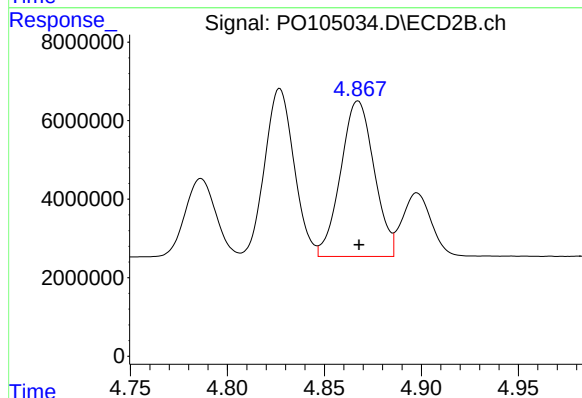
Time



#23 AR-1248-3

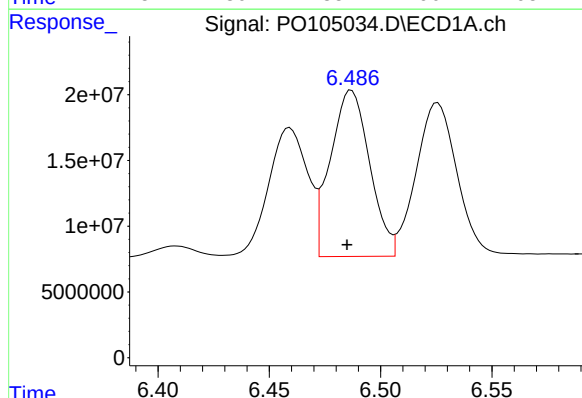
R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 133521873
Conc: 543.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1248



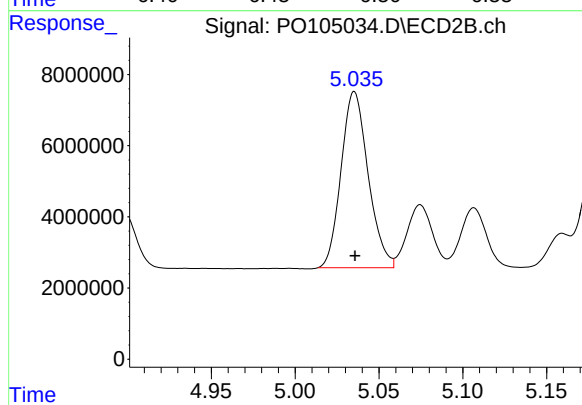
#23 AR-1248-3

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 47615987
Conc: 546.39 ng/ml



#24 AR-1248-4

R.T.: 6.487 min
Delta R.T.: 0.002 min
Response: 155278971
Conc: 507.38 ng/ml



#24 AR-1248-4

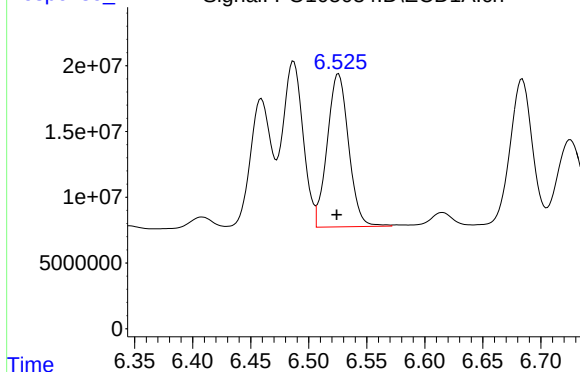
R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 55603554
Conc: 538.80 ng/ml

Response_

Signal: PO105034.D\ECD1A.ch

#25 AR-1248-5

ICAL Form



R.T.: 6.526 min
Delta R.T.: 0.002 min
Response: 149287095
Conc: 523.18 ng/ml

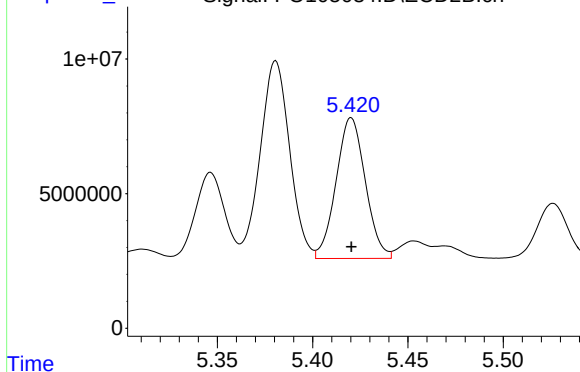
Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1248

Time

Response_

Signal: PO105034.D\ECD2B.ch

#25 AR-1248-5



R.T.: 5.420 min
Delta R.T.: 0.000 min
Response: 55905969
Conc: 543.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 03:03
 Operator : YP/AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO072924AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:41:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:39:13 2024
 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...	4.427	3.539	408.3E6	151.2E6	54.071	53.494
2) SA Decachlor...	10.222	8.434	292.5E6	94152202	52.969	52.821
Target Compounds						
26) L6 AR-1254-1	6.461	5.381	148.4E6	78905490	506.523	525.862
27) L6 AR-1254-2	6.680	5.526	215.8E6	70308089	519.785	525.251
28) L6 AR-1254-3	7.050	5.923	221.5E6	111.9E6	530.558	526.852
29) L6 AR-1254-4	7.337	6.148	166.7E6	69983562	533.454	526.934
30) L6 AR-1254-5	7.761	6.560	186.8E6	98372307	503.979	529.959

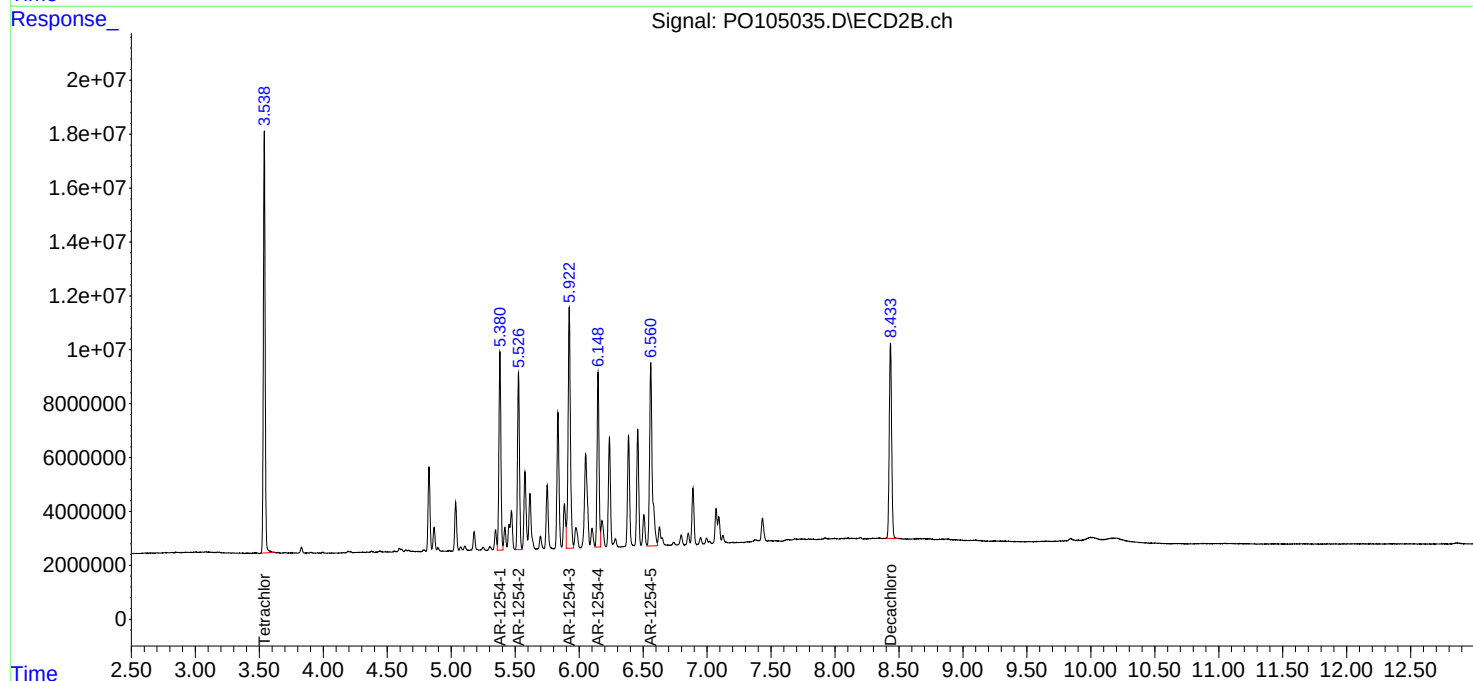
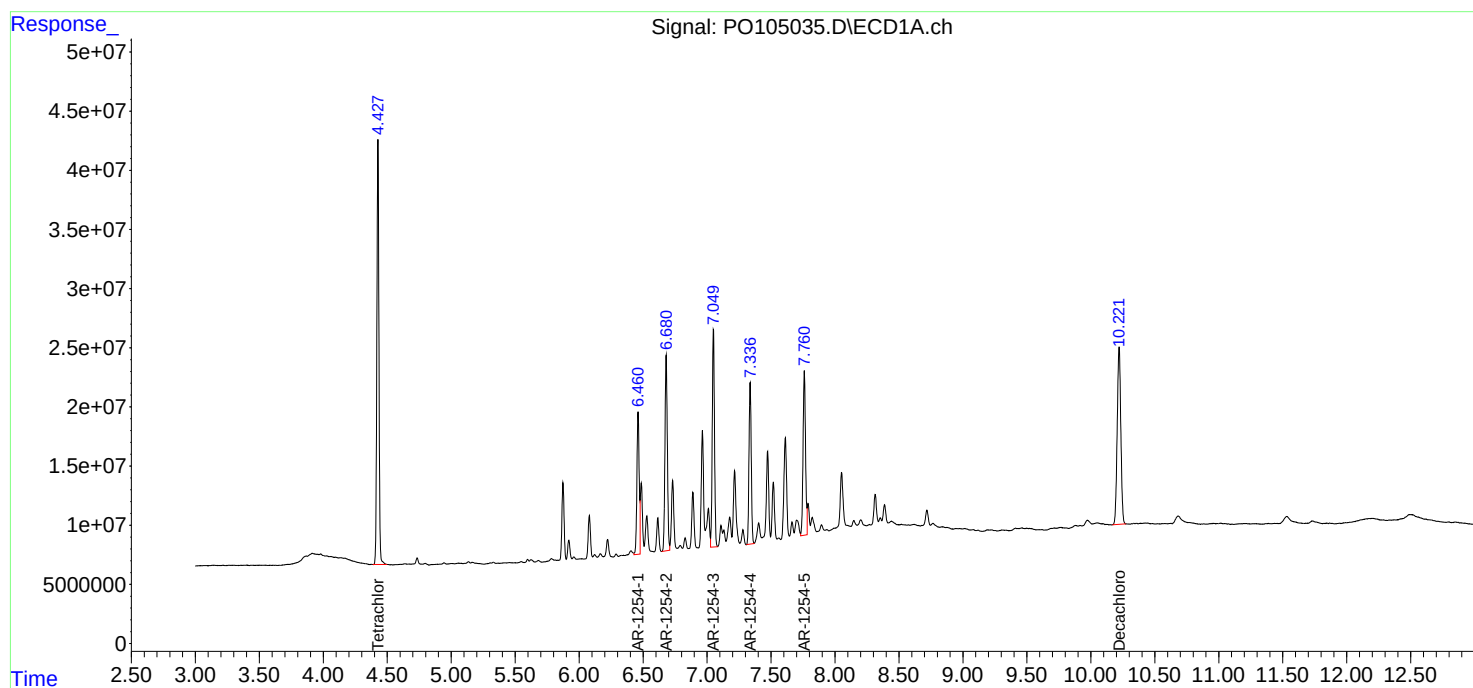
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

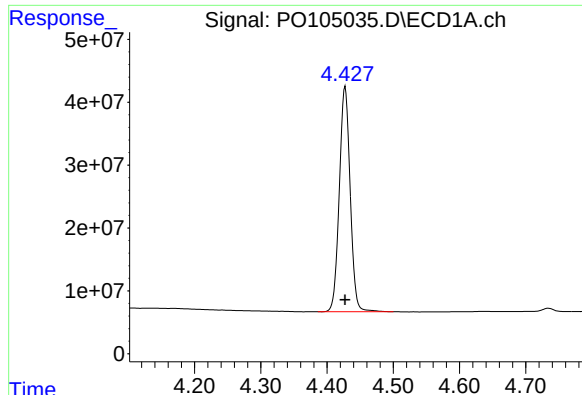
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 03:03
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:41:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:39:13 2024
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

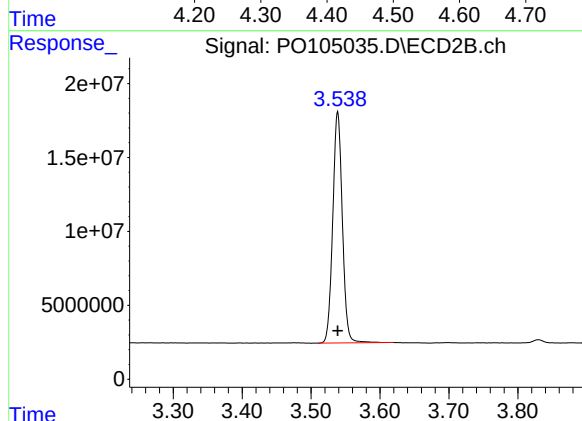




#1 Tetrachloro-m-xylene

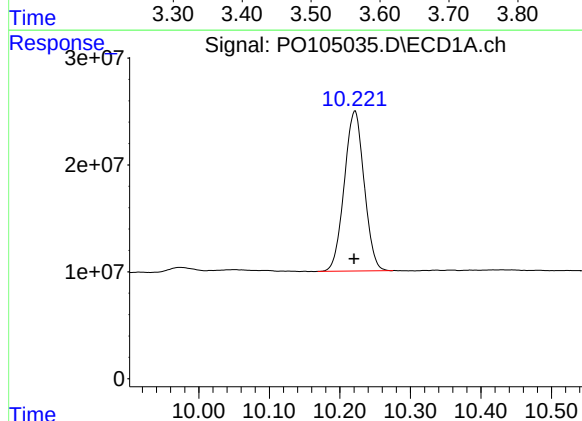
R.T.: 4.427 min
Delta R.T.: 0.000 min
Response: 408333782
Conc: 54.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1254



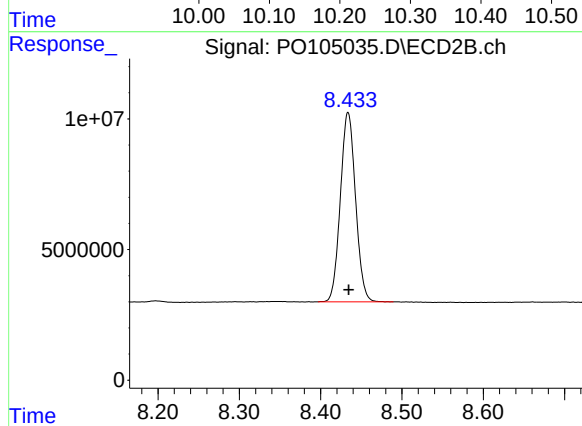
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 151192399
Conc: 53.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.222 min
Delta R.T.: 0.001 min
Response: 292455420
Conc: 52.97 ng/ml



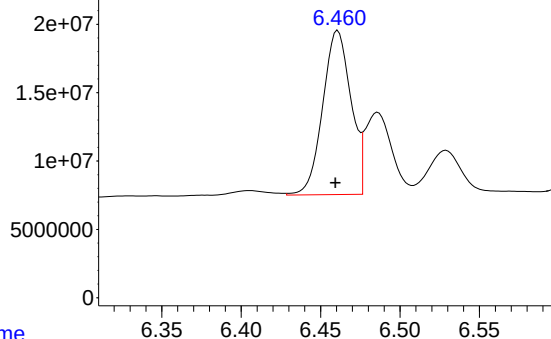
#2 Decachlorobiphenyl

R.T.: 8.434 min
Delta R.T.: 0.000 min
Response: 94152202
Conc: 52.82 ng/ml

Response_

Signal: PO105035.D\ECD1A.ch

#26 AR-1254-1



R.T.: 6.461 min
Delta R.T.: 0.002 min
Response: 148448292
Conc: 506.52 ng/ml

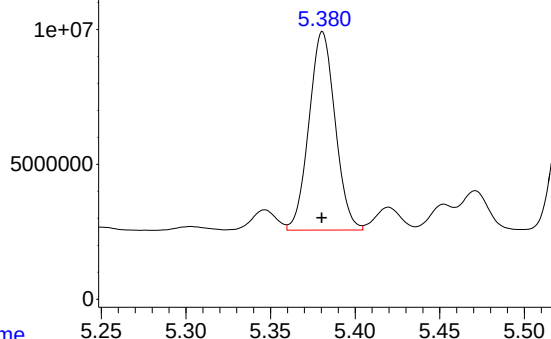
Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1254

Time

Response_

Signal: PO105035.D\ECD2B.ch

#26 AR-1254-1



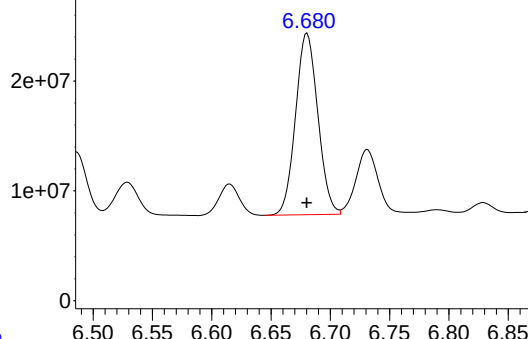
R.T.: 5.381 min
Delta R.T.: 0.000 min
Response: 78905490
Conc: 525.86 ng/ml

Time

Response_

Signal: PO105035.D\ECD1A.ch

#27 AR-1254-2



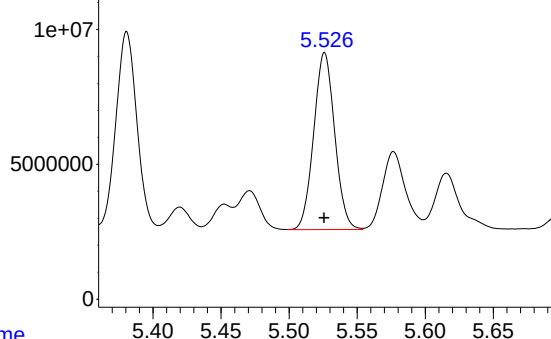
R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 215840692
Conc: 519.79 ng/ml

Time

Response_

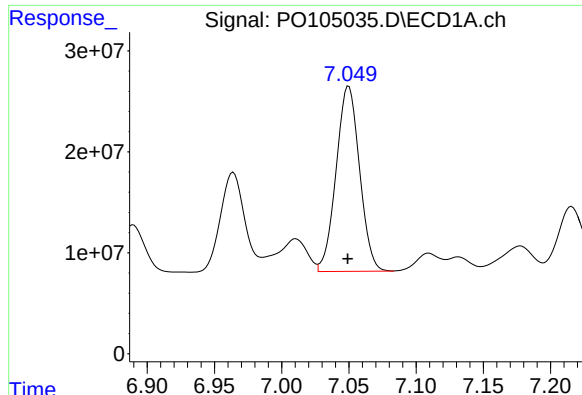
Signal: PO105035.D\ECD2B.ch

#27 AR-1254-2



R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 70308089
Conc: 525.25 ng/ml

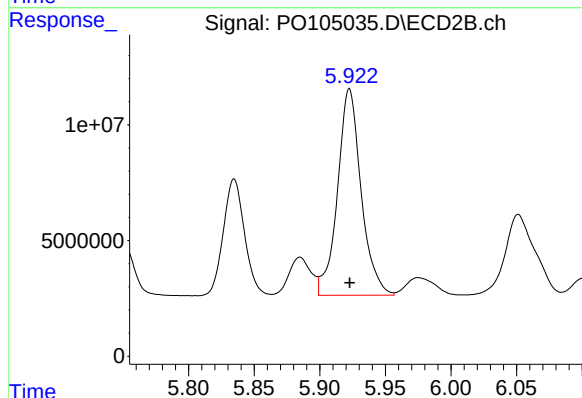
Time



#28 AR-1254-3

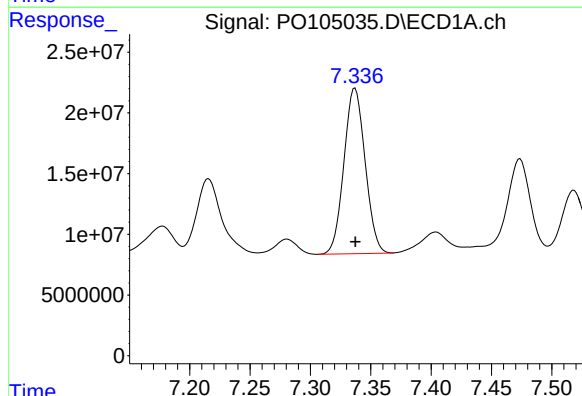
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 221500445
Conc: 530.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1254



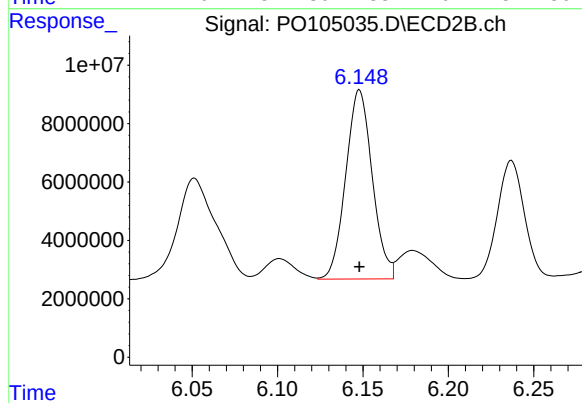
#28 AR-1254-3

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 111940729
Conc: 526.85 ng/ml



#29 AR-1254-4

R.T.: 7.337 min
Delta R.T.: 0.000 min
Response: 166725861
Conc: 533.45 ng/ml



#29 AR-1254-4

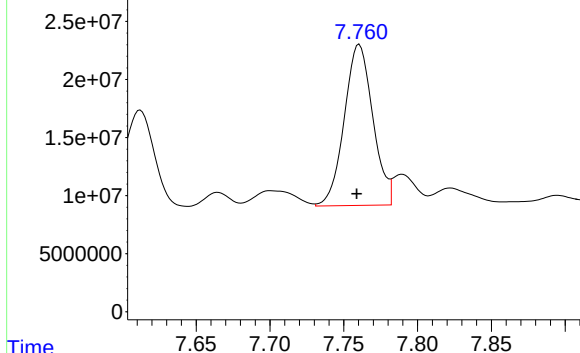
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 69983562
Conc: 526.93 ng/ml

Response_

Signal: PO105035.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 7.761 min
Delta R.T.: 0.002 min
Response: 186847721
Conc: 503.98 ng/ml

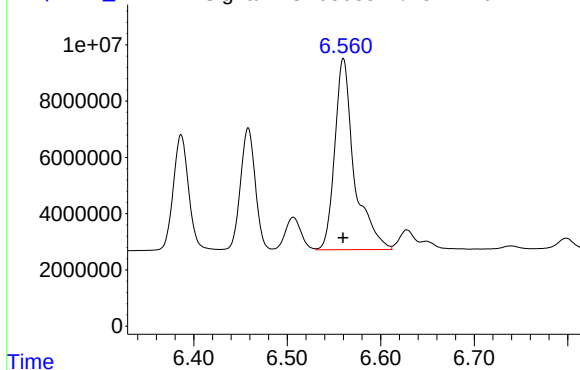
Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1254

Time

Response_

Signal: PO105035.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.560 min
Delta R.T.: 0.000 min
Response: 98372307
Conc: 529.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 03:20
 Operator : YP/AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO072924AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 06:49:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 06:46:25 2024
 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...	4.427	3.539	395.0E6	146.7E6	50.668	50.561
2) SA Decachlor...	10.220	8.435	498.3E6	157.2E6	51.587	51.041
Target Compounds						
41) L9 AR-1268-1	8.702	7.374	420.9E6	179.2E6	526.015	515.947
42) L9 AR-1268-2	8.796	7.437	372.6E6	159.7E6	526.532	513.199
43) L9 AR-1268-3	9.029	7.639	314.0E6	129.9E6	517.705	513.802
44) L9 AR-1268-4	9.457	7.925	135.0E6	54914628	510.589	516.713
45) L9 AR-1268-5	9.877	8.199	1035.7E6	352.2E6	515.308	511.899

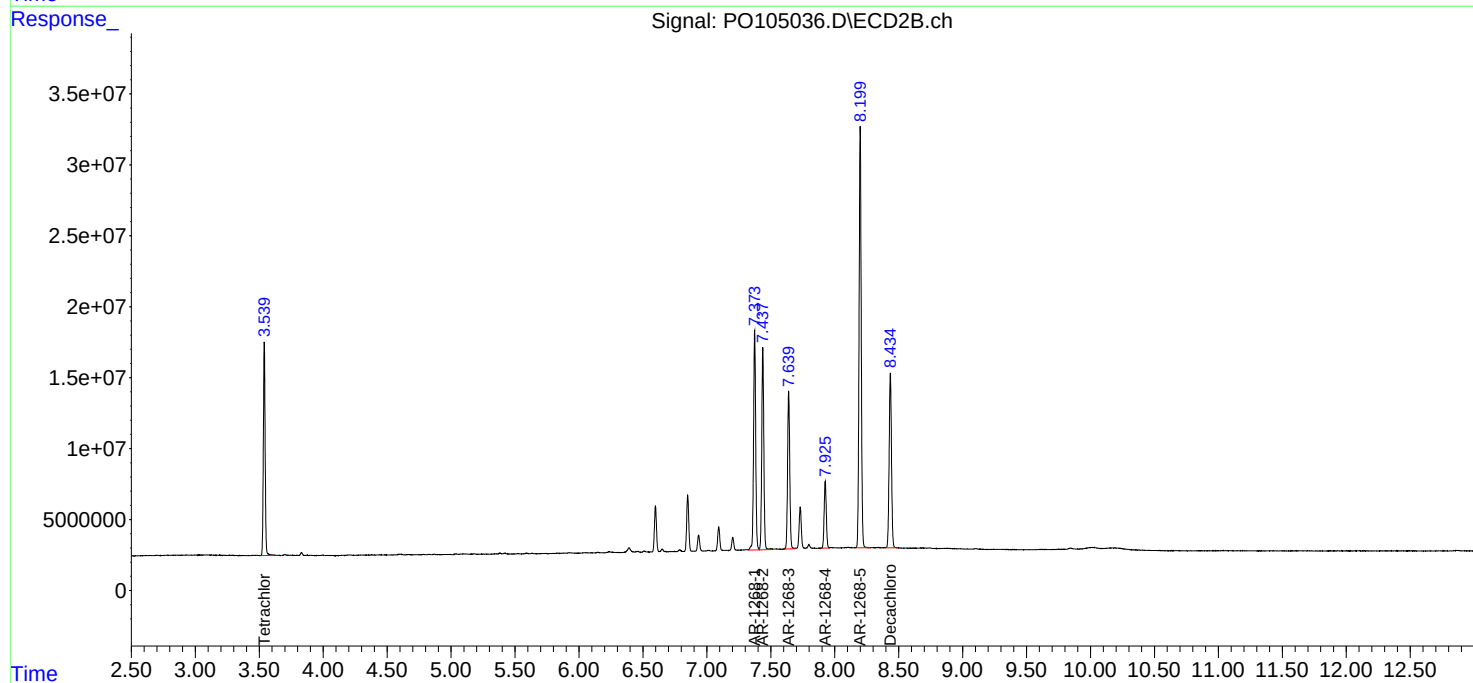
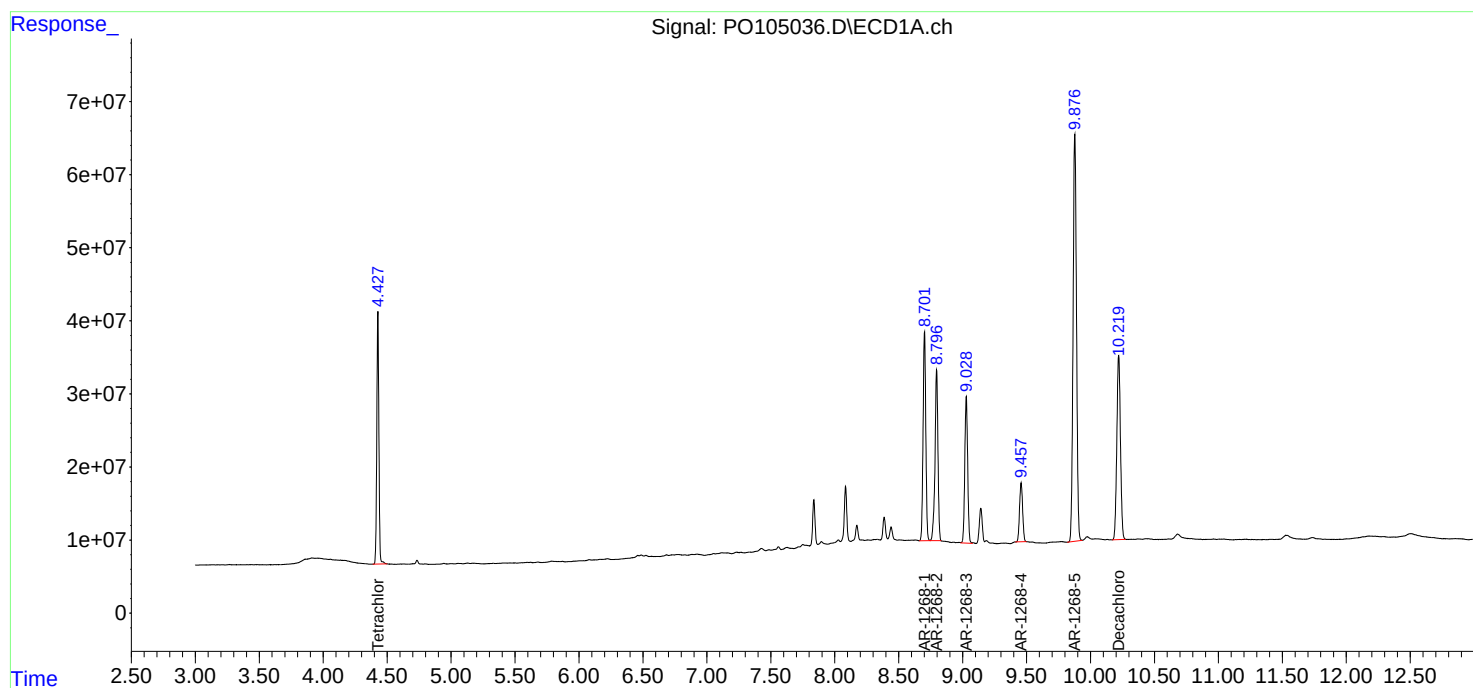
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

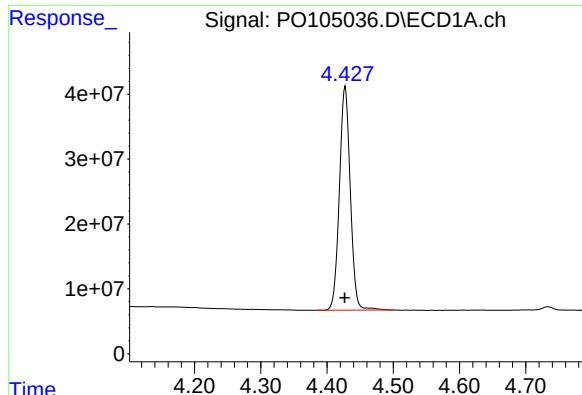
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
Data File : P0105036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 03:20
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 06:49:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 06:46:25 2024
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

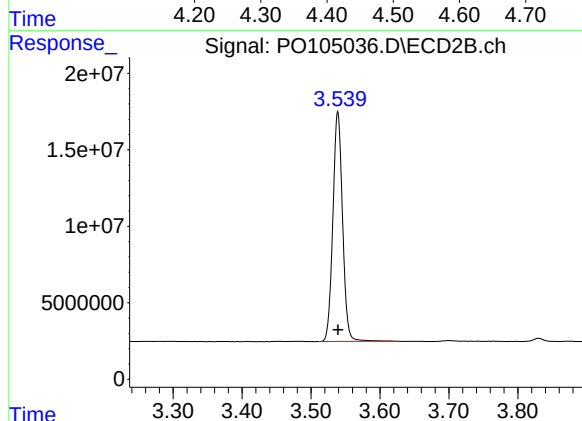




#1 Tetrachloro-m-xylene

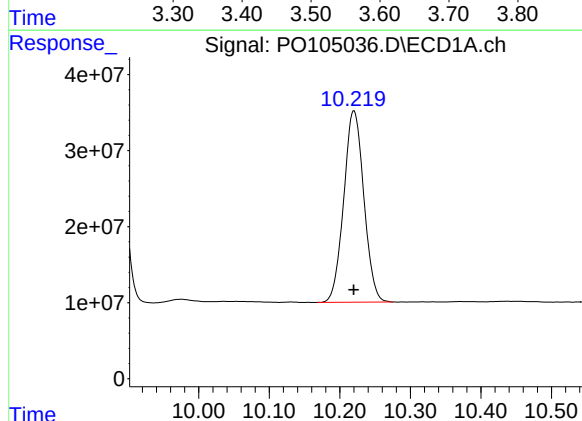
R.T.: 4.427 min
Delta R.T.: 0.000 min
Response: 395042873
Conc: 50.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1268



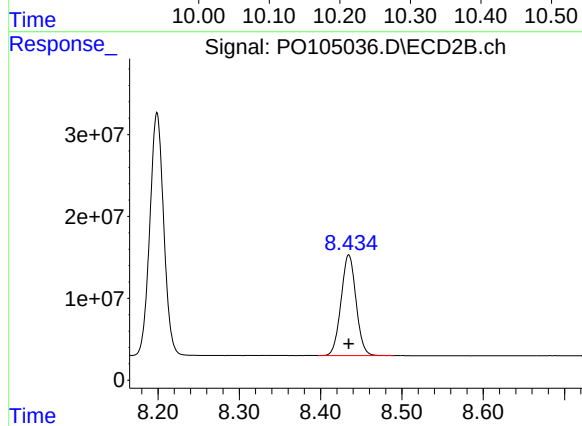
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 146650573
Conc: 50.56 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 498261018
Conc: 51.59 ng/ml



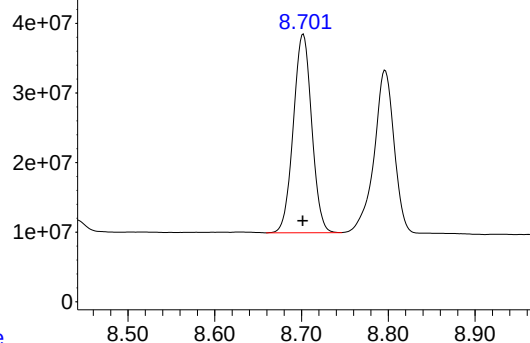
#2 Decachlorobiphenyl

R.T.: 8.435 min
Delta R.T.: 0.000 min
Response: 157217453
Conc: 51.04 ng/ml

Response_

Signal: PO105036.D\ECD1A.ch

#41 AR-1268-1



R.T.: 8.702 min
Delta R.T.: 0.000 min
Response: 420895117
Conc: 526.01 ng/ml

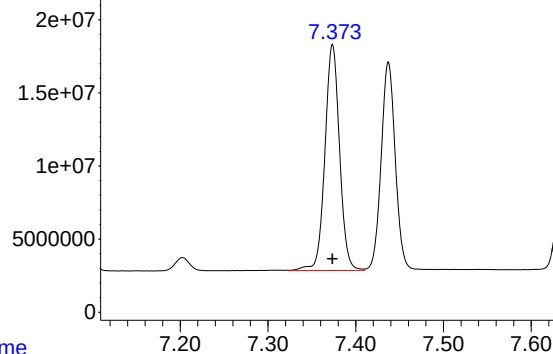
Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1268

Time

Response_

Signal: PO105036.D\ECD2B.ch

#41 AR-1268-1



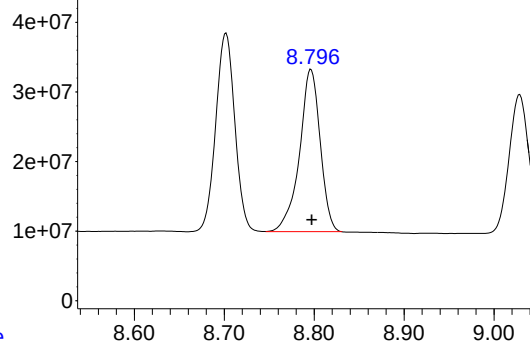
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 179180002
Conc: 515.95 ng/ml

Time

Response_

Signal: PO105036.D\ECD1A.ch

#42 AR-1268-2



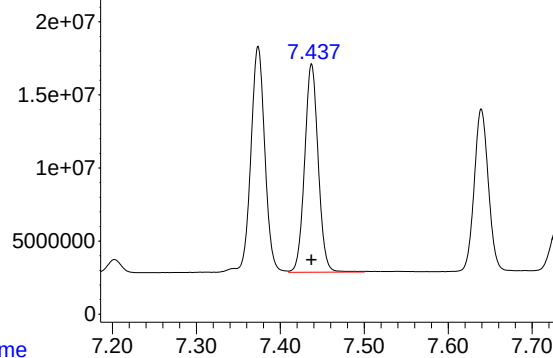
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 372601500
Conc: 526.53 ng/ml

Time

Response_

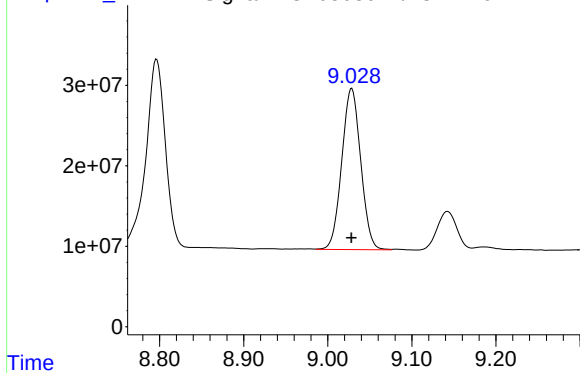
Signal: PO105036.D\ECD2B.ch

#42 AR-1268-2



R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 159743837
Conc: 513.20 ng/ml

Time



R.T.: 9.029 min
Delta R.T.: 0.000 min
Response: 313984126
Conc: 517.70 ng/ml

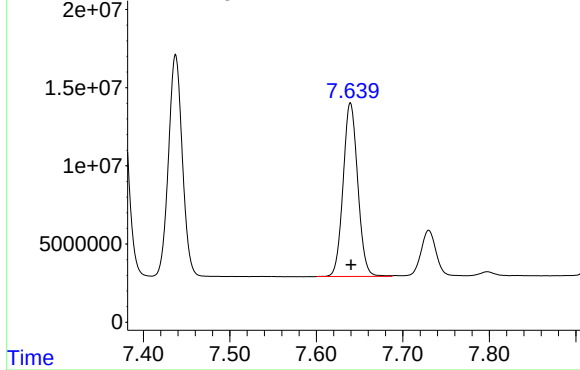
Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1268

Time

Response_

Signal: PO105036.D\ECD2B.ch

#43 AR-1268-3



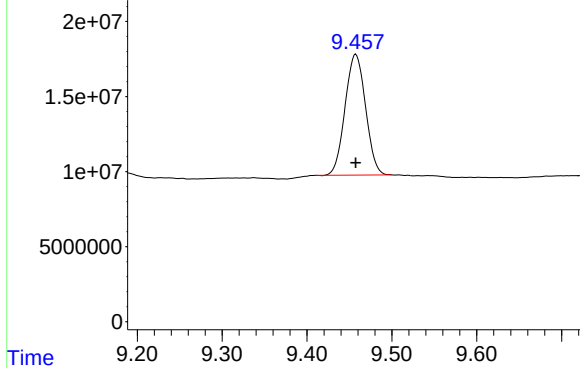
R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 129930786
Conc: 513.80 ng/ml

Time

Response_

Signal: PO105036.D\ECD1A.ch

#44 AR-1268-4



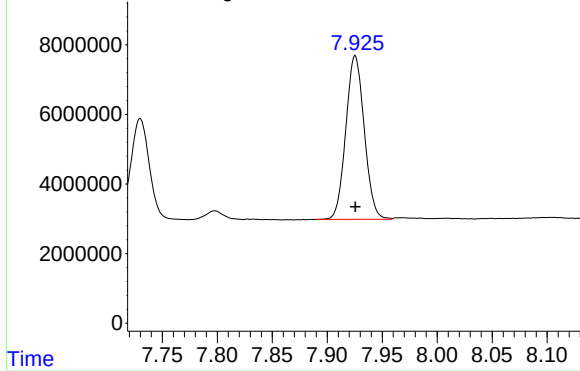
R.T.: 9.457 min
Delta R.T.: 0.000 min
Response: 135007601
Conc: 510.59 ng/ml

Time

Response_

Signal: PO105036.D\ECD2B.ch

#44 AR-1268-4

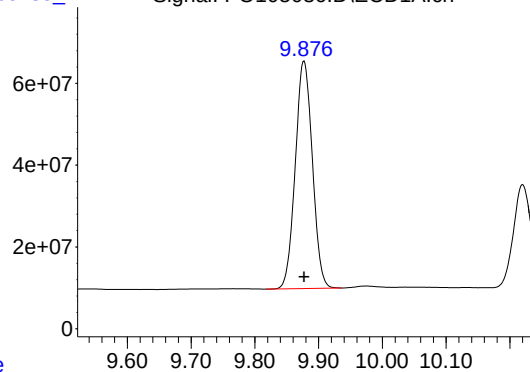


R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 54914628
Conc: 516.71 ng/ml

Response_

Signal: PO105036.D\ECD1A.ch

#45 AR-1268-5



R.T.: 9.877 min
Delta R.T.: 0.000 min
Response: 1035697533
Conc: 515.31 ng/ml

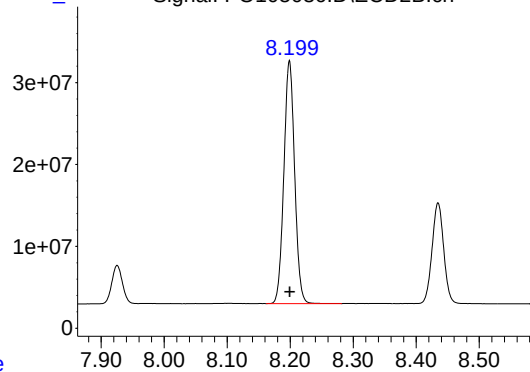
Instrument :
ECD_O
ClientSampleId :
ICVPO072924AR1268

Time

Response_

Signal: PO105036.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.199 min
Delta R.T.: 0.000 min
Response: 352203655
Conc: 511.90 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
 Data File : P0105037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jul 2024 10:30
 Operator : YP/AJ
 Sample : P0072924ICV500
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 ICVPO072924

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 30 13:55:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.427	3.538	383.9E6	139.1E6	55.759	54.595
2) SA Decachlor...	10.220	8.432	274.5E6	85778591	53.471	53.999
Target Compounds						
3) L1 AR-1016-1	5.598	4.594	130.9E6	50136986	550.131	539.256
4) L1 AR-1016-2	5.621	4.612	184.6E6	70267653	549.102	545.985
5) L1 AR-1016-3	5.684	4.784	113.4E6	37151739	548.226	548.653
6) L1 AR-1016-4	5.783	4.826	97777089	29168756	538.558	542.378
7) L1 AR-1016-5	6.080	5.034	91885675	39799741	564.572	560.833
31) L7 AR-1260-1	7.215	6.050	165.8E6	73716307	522.259	541.247
32) L7 AR-1260-2	7.473	6.235	196.0E6	88060705	539.079	523.357
33) L7 AR-1260-3	7.835	6.386	133.7E6	83674140	521.322	496.123
34) L7 AR-1260-4	8.063	6.851	161.1E6	59230784	565.141	540.868
35) L7 AR-1260-5	8.386	7.091	295.6E6	138.2E6	528.929	540.649

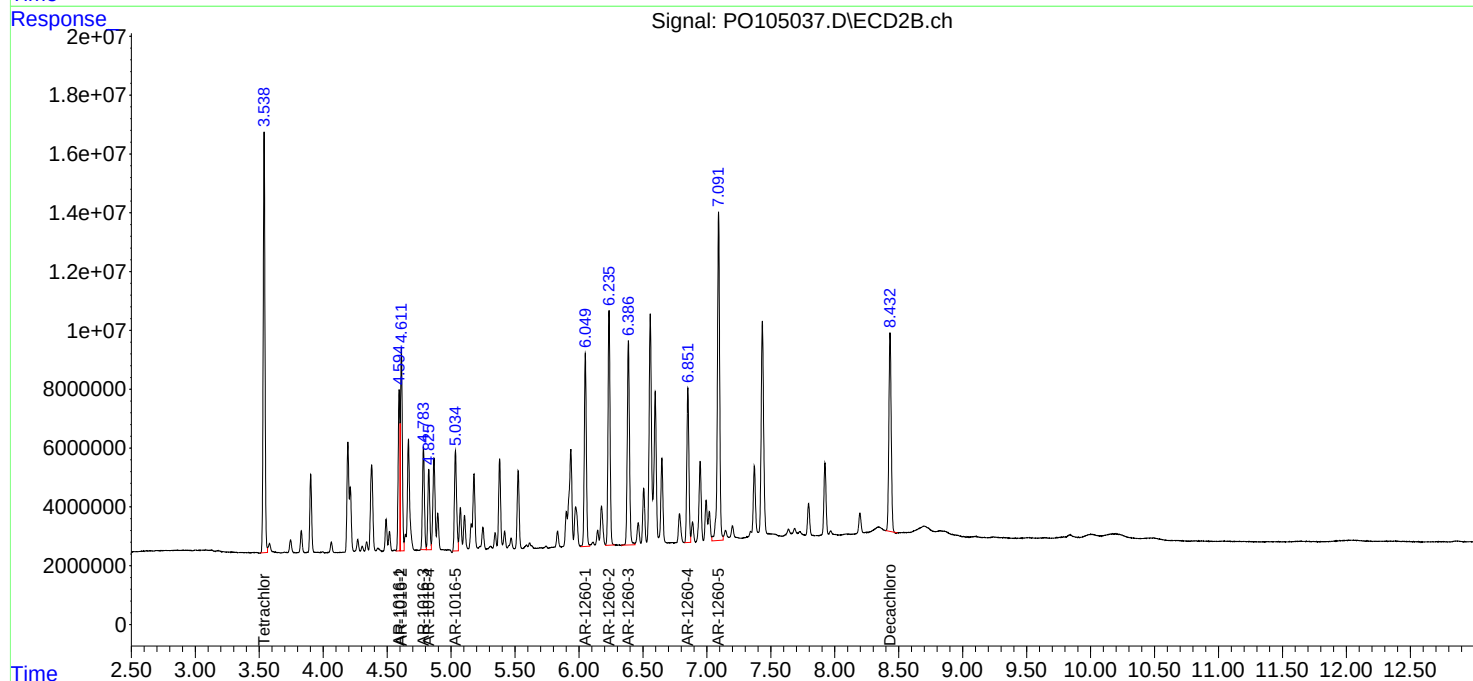
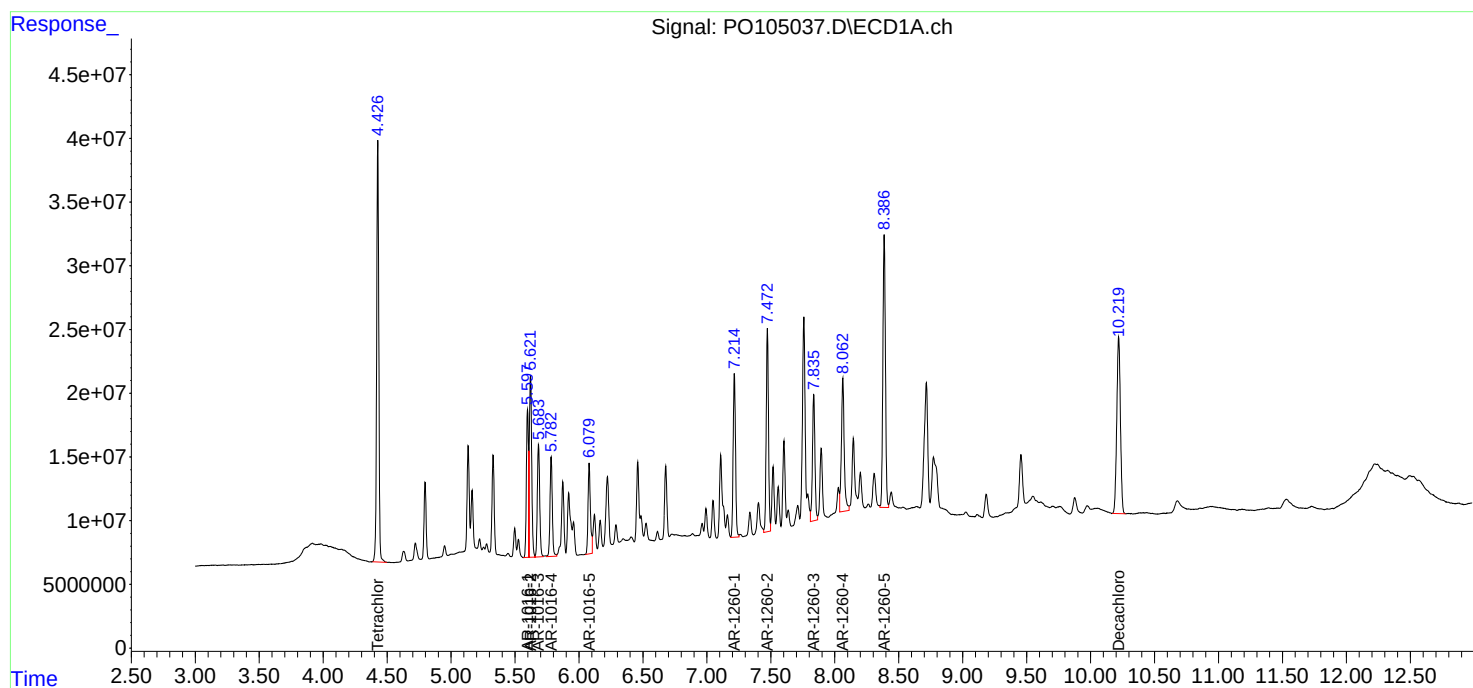
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0072924\
Data File : P0105037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2024 10:30
Operator : YP/AJ
Sample : P0072924ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO072924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 13:55:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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



Response_

Signal: PO105037.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.427 min

Delta R.T.: -0.002 min

Response: 383860354

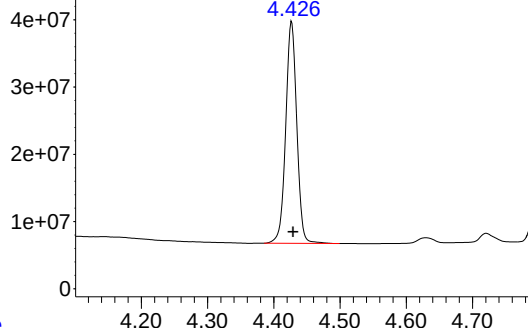
Conc: 55.76 ng/ml

Instrument :

ECD_O

ClientSampleId :

ICVPO072924



Time

Response

Signal: PO105037.D\ECD2B.ch

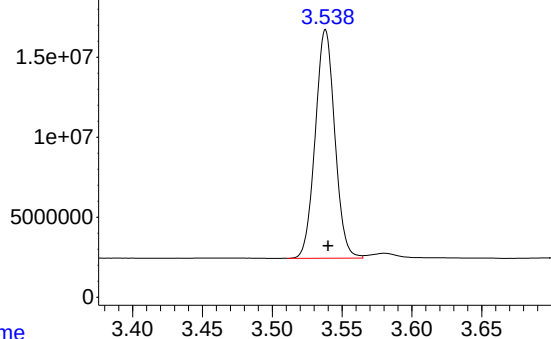
#1 Tetrachloro-m-xylene

R.T.: 3.538 min

Delta R.T.: -0.002 min

Response: 139112199

Conc: 54.59 ng/ml



Time

Response_

Signal: PO105037.D\ECD1A.ch

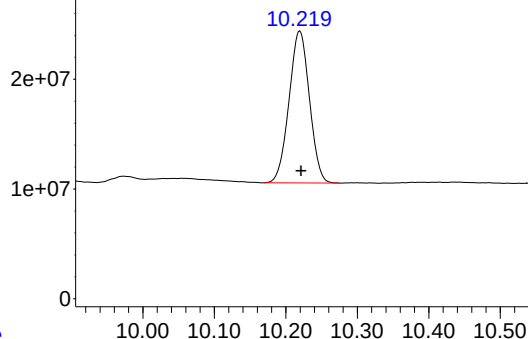
#2 Decachlorobiphenyl

R.T.: 10.220 min

Delta R.T.: -0.002 min

Response: 274520070

Conc: 53.47 ng/ml



Time

Response_

Signal: PO105037.D\ECD2B.ch

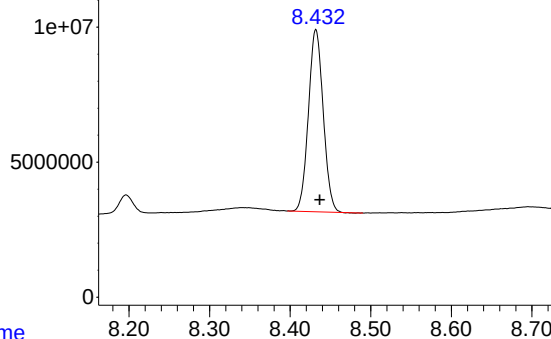
#2 Decachlorobiphenyl

R.T.: 8.432 min

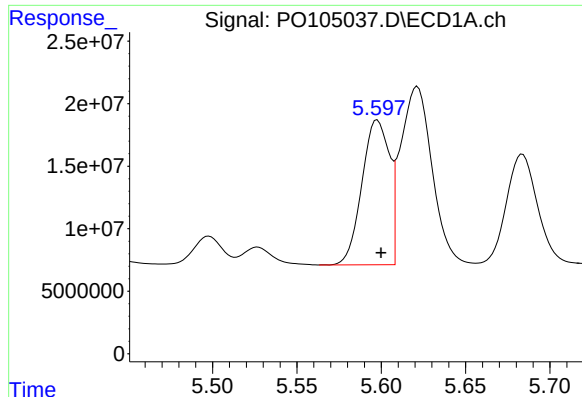
Delta R.T.: -0.005 min

Response: 85778591

Conc: 54.00 ng/ml



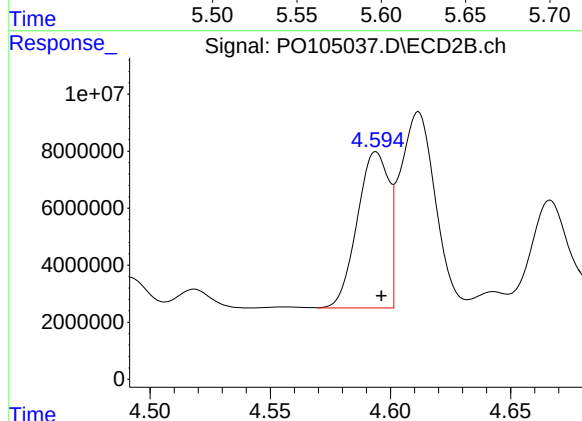
Time



#3 AR-1016-1

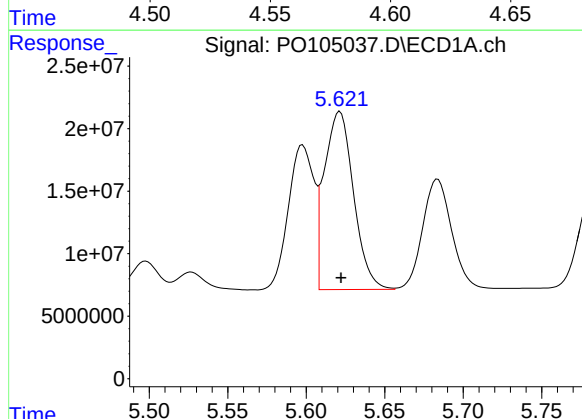
R.T.: 5.598 min
Delta R.T.: -0.002 min
Response: 130912443
Conc: 550.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924



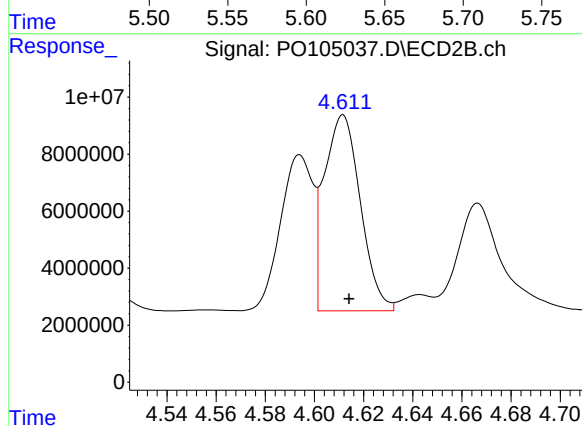
#3 AR-1016-1

R.T.: 4.594 min
Delta R.T.: -0.002 min
Response: 50136986
Conc: 539.26 ng/ml



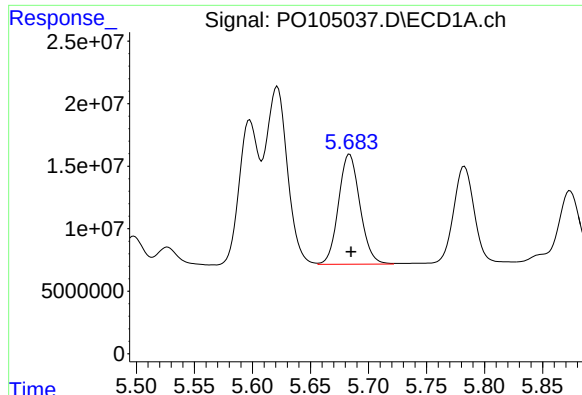
#4 AR-1016-2

R.T.: 5.621 min
Delta R.T.: 0.000 min
Response: 184601472
Conc: 549.10 ng/ml



#4 AR-1016-2

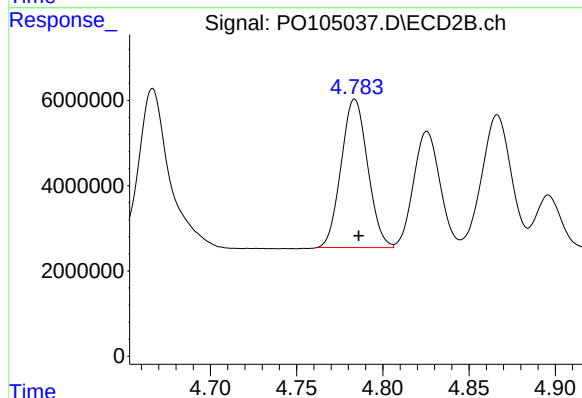
R.T.: 4.612 min
Delta R.T.: -0.002 min
Response: 70267653
Conc: 545.99 ng/ml



#5 AR-1016-3

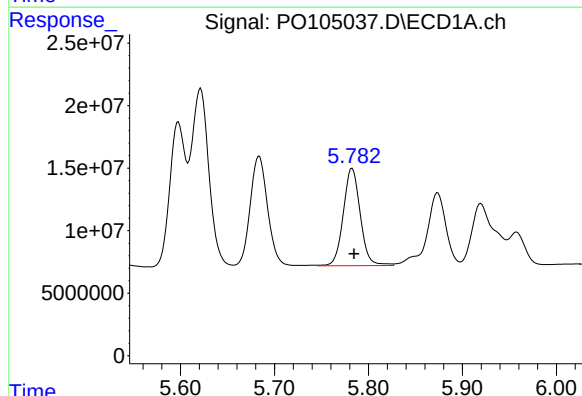
R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 113408524
Conc: 548.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924



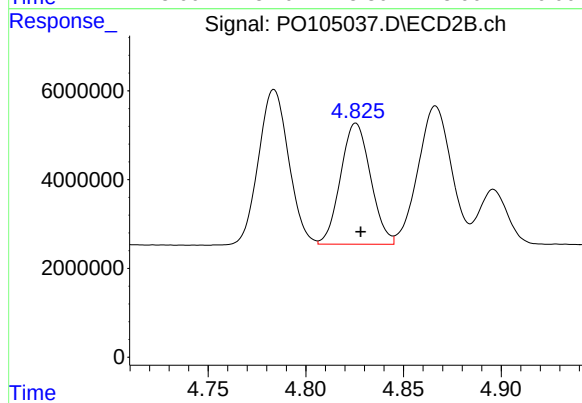
#5 AR-1016-3

R.T.: 4.784 min
Delta R.T.: -0.002 min
Response: 37151739
Conc: 548.65 ng/ml



#6 AR-1016-4

R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 97777089
Conc: 538.56 ng/ml



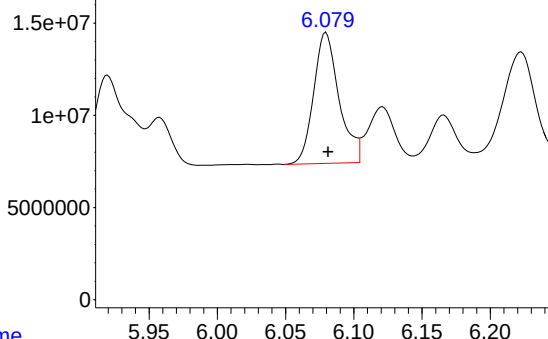
#6 AR-1016-4

R.T.: 4.826 min
Delta R.T.: -0.002 min
Response: 29168756
Conc: 542.38 ng/ml

Response_

Signal: PO105037.D\ECD1A.ch

#7 AR-1016-5



R.T.: 6.080 min
Delta R.T.: -0.001 min
Response: 91885675
Conc: 564.57 ng/ml

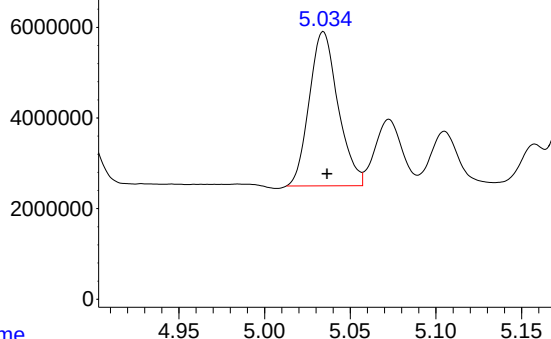
Instrument :
ECD_O
ClientSampleId :
ICVPO072924

Time

Response_

Signal: PO105037.D\ECD2B.ch

#7 AR-1016-5



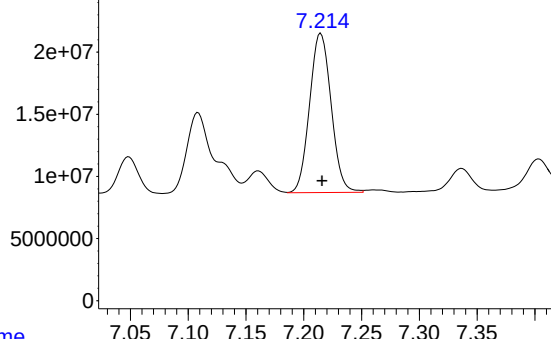
R.T.: 5.034 min
Delta R.T.: -0.002 min
Response: 39799741
Conc: 560.83 ng/ml

Time

Response_

Signal: PO105037.D\ECD1A.ch

#31 AR-1260-1



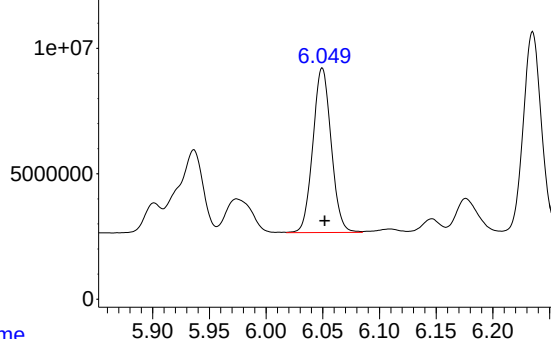
R.T.: 7.215 min
Delta R.T.: -0.001 min
Response: 165827484
Conc: 522.26 ng/ml

Time

Response_

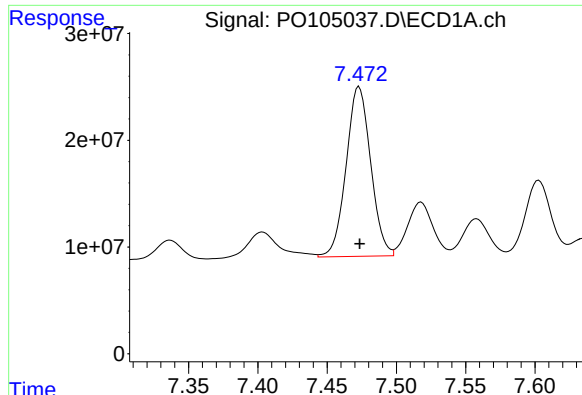
Signal: PO105037.D\ECD2B.ch

#31 AR-1260-1



R.T.: 6.050 min
Delta R.T.: -0.002 min
Response: 73716307
Conc: 541.25 ng/ml

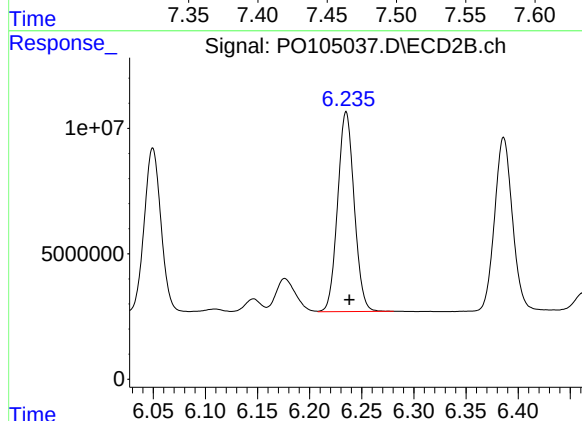
Time



#32 AR-1260-2

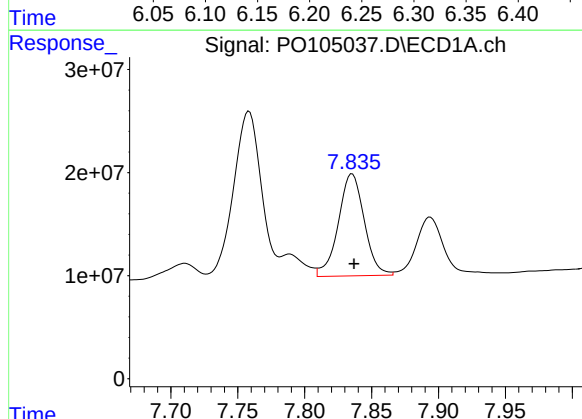
R.T.: 7.473 min
Delta R.T.: 0.000 min
Response: 196045367
Conc: 539.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924



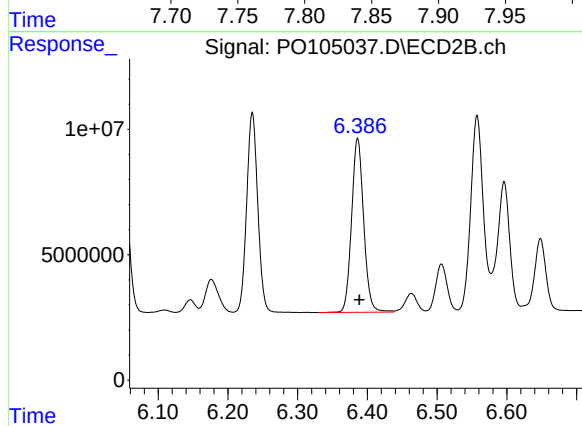
#32 AR-1260-2

R.T.: 6.235 min
Delta R.T.: -0.003 min
Response: 88060705
Conc: 523.36 ng/ml



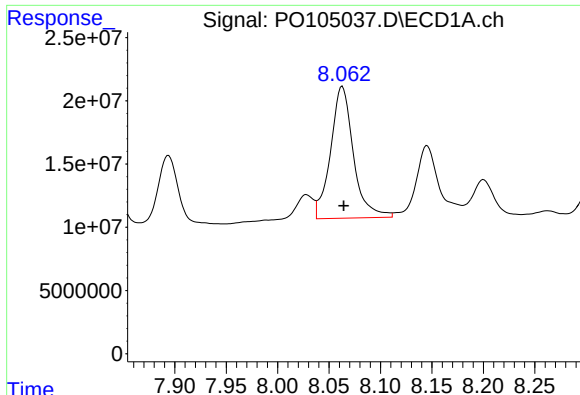
#33 AR-1260-3

R.T.: 7.835 min
Delta R.T.: -0.001 min
Response: 133670584
Conc: 521.32 ng/ml



#33 AR-1260-3

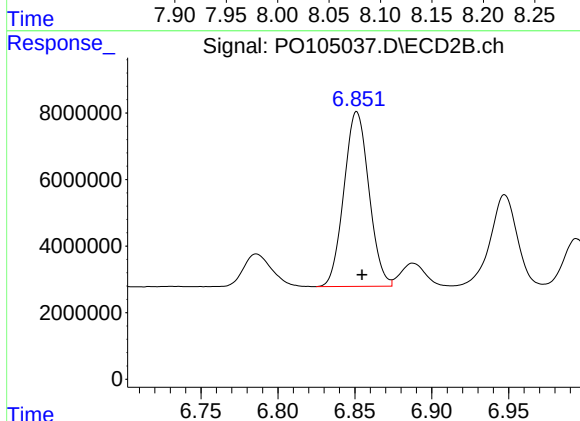
R.T.: 6.386 min
Delta R.T.: -0.003 min
Response: 83674140
Conc: 496.12 ng/ml



#34 AR-1260-4

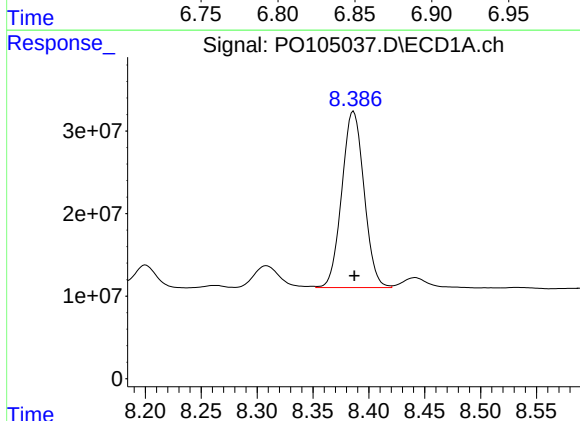
R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 161109697
Conc: 565.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO072924



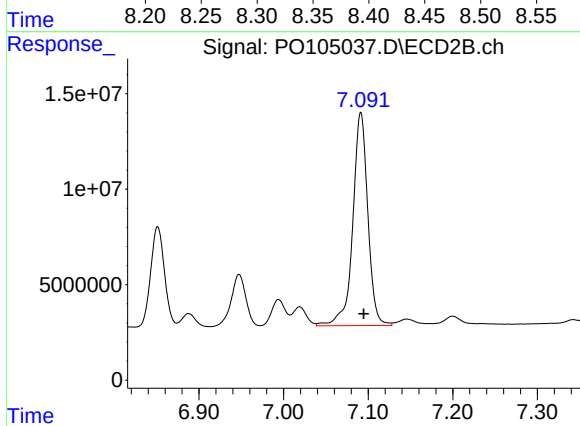
#34 AR-1260-4

R.T.: 6.851 min
Delta R.T.: -0.004 min
Response: 59230784
Conc: 540.87 ng/ml



#35 AR-1260-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 295647042
Conc: 528.93 ng/ml



#35 AR-1260-5

R.T.: 7.091 min
Delta R.T.: -0.003 min
Response: 138199182
Conc: 540.65 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Continuing Calib Date: 08/06/2024 Initial Calibration Date(s): 07/29/2024 07/30/2024

Continuing Calib Time: 12:37 Initial Calibration Time(s): 18:07 01:54

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.60	5.60	5.50	5.70	0.00
Aroclor-1016-2	(2)	5.62	5.62	5.52	5.72	0.00
Aroclor-1016-3	(3)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-4	(4)	5.79	5.79	5.69	5.89	0.00
Aroclor-1016-5	(5)	6.08	6.08	5.98	6.18	0.00
Aroclor-1260-1	(1)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-2	(2)	7.48	7.47	7.37	7.57	-0.01
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.07	8.06	7.96	8.16	-0.01
Aroclor-1260-5	(5)	8.39	8.39	8.29	8.49	0.00
Tetrachloro-m-xylene		4.43	4.43	4.33	4.53	0.00
Decachlorobiphenyl		10.22	10.22	10.12	10.32	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Continuing Calib Date: 08/06/2024 Initial Calibration Date(s): 07/29/2024 07/30/2024

Continuing Calib Time: 12:37 Initial Calibration Time(s): 18:07 01:54

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.59	4.60	4.50	4.70	0.01
Aroclor-1016-2	(2)	4.61	4.61	4.51	4.71	0.00
Aroclor-1016-3	(3)	4.78	4.79	4.69	4.89	0.01
Aroclor-1016-4	(4)	4.83	4.83	4.73	4.93	0.01
Aroclor-1016-5	(5)	5.03	5.04	4.94	5.14	0.01
Aroclor-1260-1	(1)	6.05	6.05	5.95	6.15	0.00
Aroclor-1260-2	(2)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-3	(3)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-4	(4)	6.85	6.86	6.76	6.96	0.01
Aroclor-1260-5	(5)	7.09	7.10	7.00	7.20	0.01
Tetrachloro-m-xylene		3.54	3.54	3.44	3.64	0.00
Decachlorobiphenyl		8.43	8.44	8.34	8.54	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/29/2024 07/29/2024

Client Sample No.: CCAL01 Date Analyzed: 08/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO105223.D Time Analyzed: 12:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.602	5.500	5.700	530.420	500.000	6.1
Aroclor-1016-2	5.624	5.522	5.722	530.880	500.000	6.2
Aroclor-1016-3	5.687	5.585	5.785	519.380	500.000	3.9
Aroclor-1016-4	5.786	5.685	5.885	498.320	500.000	-0.3
Aroclor-1016-5	6.083	5.981	6.181	536.700	500.000	7.3
Aroclor-1260-1	7.218	7.116	7.316	482.650	500.000	-3.5
Aroclor-1260-2	7.477	7.374	7.574	473.520	500.000	-5.3
Aroclor-1260-3	7.839	7.737	7.937	439.460	500.000	-12.1
Aroclor-1260-4	8.067	7.964	8.164	467.430	500.000	-6.5
Aroclor-1260-5	8.391	8.287	8.487	454.050	500.000	-9.2
Decachlorobiphenyl	10.224	10.121	10.321	47.340	50.000	-5.3
Tetrachloro-m-xylene	4.431	4.329	4.529	54.010	50.000	8.0



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CALIBRATION VERIFICATION SUMMARY

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/29/2024 07/29/2024

Client Sample No.: CCAL01 Date Analyzed: 08/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO105223.D Time Analyzed: 12:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.593	4.496	4.696	513.270	500.000	2.7
Aroclor-1016-2	4.611	4.514	4.714	513.160	500.000	2.6
Aroclor-1016-3	4.783	4.686	4.886	513.670	500.000	2.7
Aroclor-1016-4	4.825	4.728	4.928	511.080	500.000	2.2
Aroclor-1016-5	5.033	4.937	5.137	513.420	500.000	2.7
Aroclor-1260-1	6.048	5.952	6.152	485.230	500.000	-3.0
Aroclor-1260-2	6.234	6.138	6.338	470.290	500.000	-5.9
Aroclor-1260-3	6.384	6.289	6.489	439.130	500.000	-12.2
Aroclor-1260-4	6.850	6.755	6.955	480.230	500.000	-4.0
Aroclor-1260-5	7.090	6.995	7.195	459.530	500.000	-8.1
Decachlorobiphenyl	8.431	8.337	8.537	46.030	50.000	-7.9
Tetrachloro-m-xylene	3.539	3.440	3.640	52.310	50.000	4.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
 Data File : PO105223.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2024 12:37
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 06 13:24:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.431	3.539	371.8E6	133.3E6	54.012	52.309
2) SA Decachlor...	10.224	8.431	243.0E6	73127416	47.341	46.035
Target Compounds						
3) L1 AR-1016-1	5.602	4.593	126.2E6	47721147	530.424	513.272
4) L1 AR-1016-2	5.624	4.611	178.5E6	66042704	530.877	513.157
5) L1 AR-1016-3	5.687	4.783	107.4E6	34782897	519.379	513.670
6) L1 AR-1016-4	5.786	4.825	90471285	27485598	498.317	511.081
7) L1 AR-1016-5	6.083	5.033	87349692	36435276	536.702	513.423
31) L7 AR-1260-1	7.218	6.048	153.3E6	66087001	482.649	485.230
32) L7 AR-1260-2	7.477	6.234	172.2E6	79131466	473.519	470.289
33) L7 AR-1260-3	7.839	6.384	112.7E6	74062535	439.459	439.133
34) L7 AR-1260-4	8.067	6.850	133.3E6	52590197	467.429	480.229
35) L7 AR-1260-5	8.391	7.090	253.8E6	117.5E6	454.049	459.526

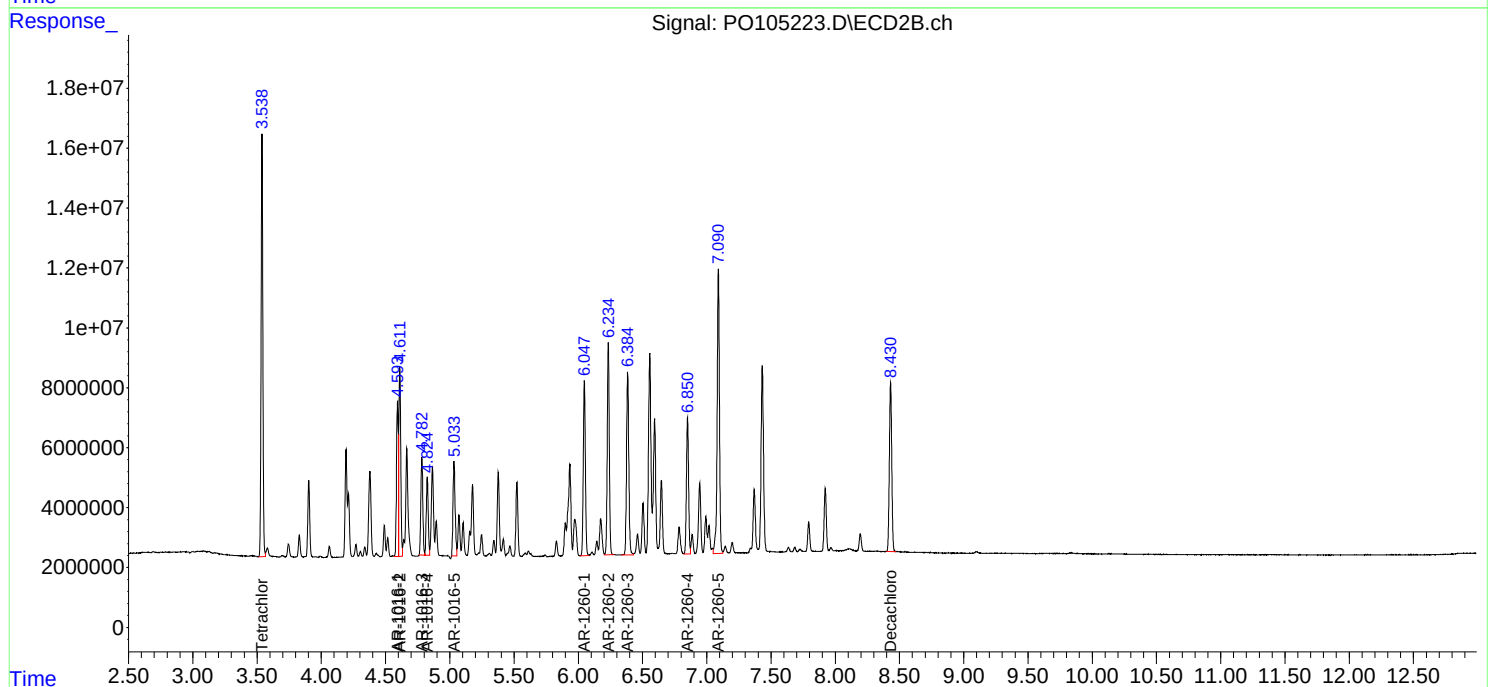
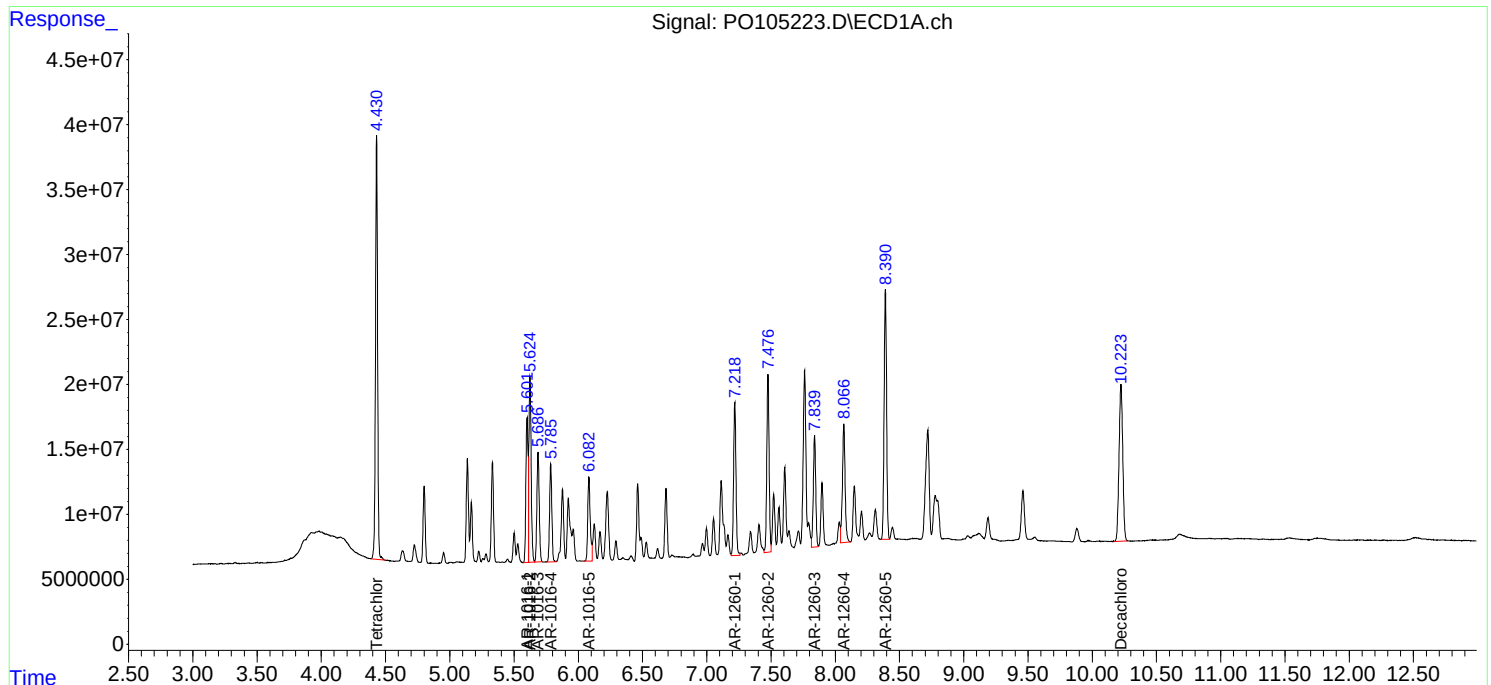
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

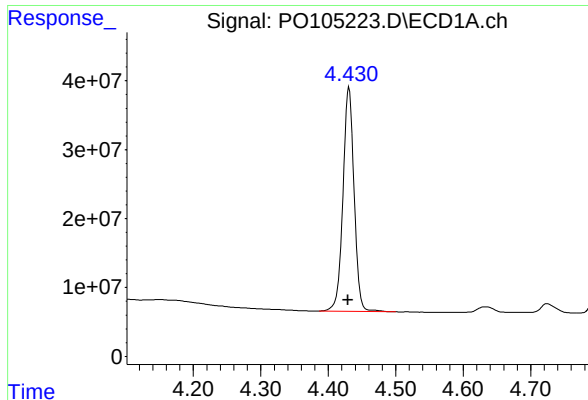
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
Data File : PO105223.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2024 12:37
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 13:24:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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

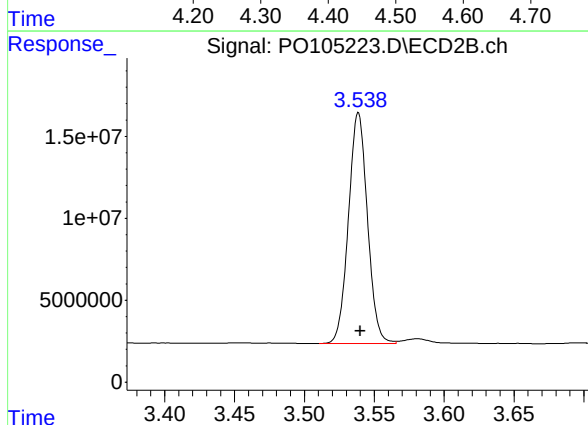




#1 Tetrachloro-m-xylene

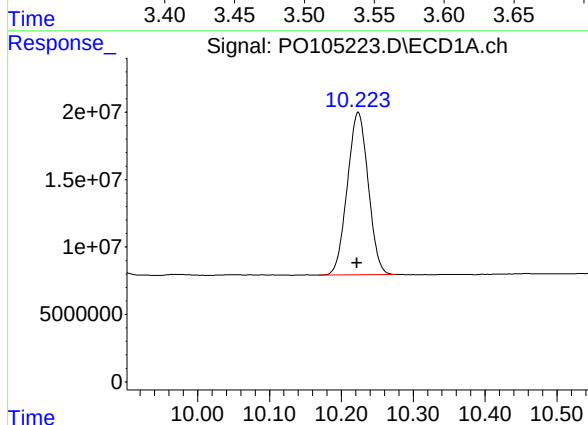
R.T.: 4.431 min
Delta R.T.: 0.002 min
Response: 371834820
Conc: 54.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



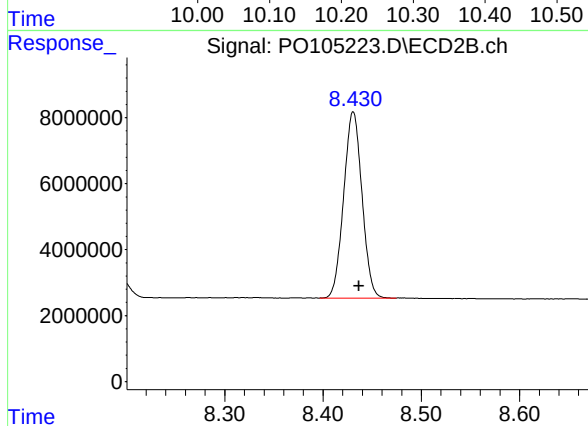
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.001 min
Response: 133287479
Conc: 52.31 ng/ml



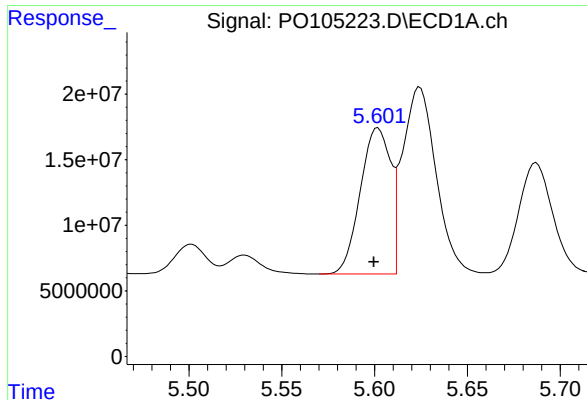
#2 Decachlorobiphenyl

R.T.: 10.224 min
Delta R.T.: 0.002 min
Response: 243048679
Conc: 47.34 ng/ml



#2 Decachlorobiphenyl

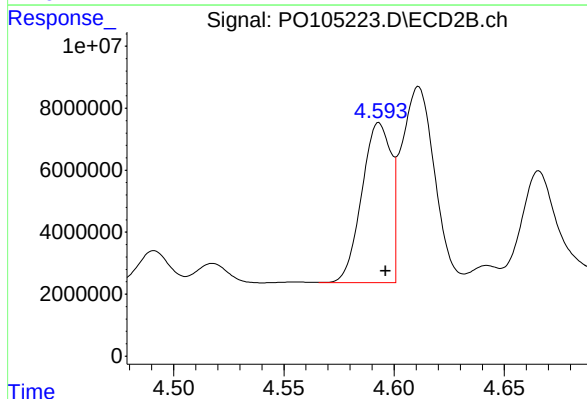
R.T.: 8.431 min
Delta R.T.: -0.006 min
Response: 73127416
Conc: 46.03 ng/ml



#3 AR-1016-1

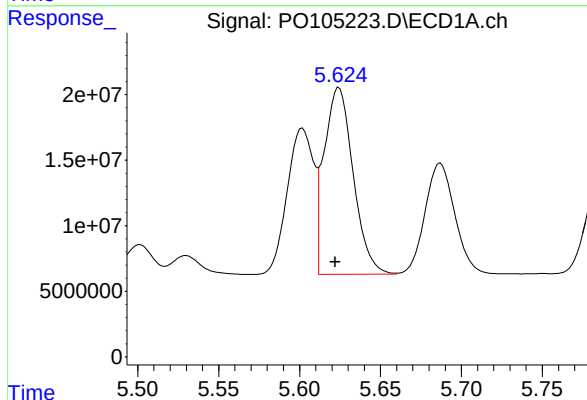
R.T.: 5.602 min
Delta R.T.: 0.002 min
Response: 126222745
Conc: 530.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



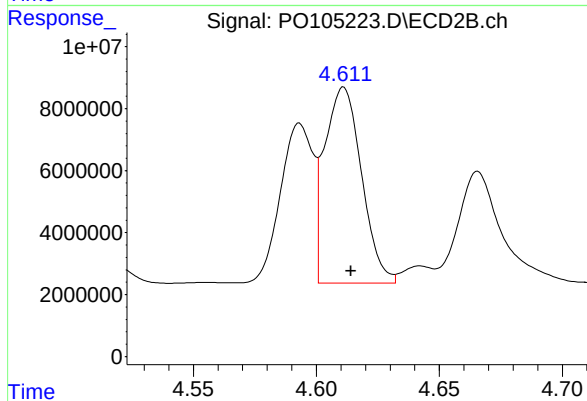
#3 AR-1016-1

R.T.: 4.593 min
Delta R.T.: -0.003 min
Response: 47721147
Conc: 513.27 ng/ml



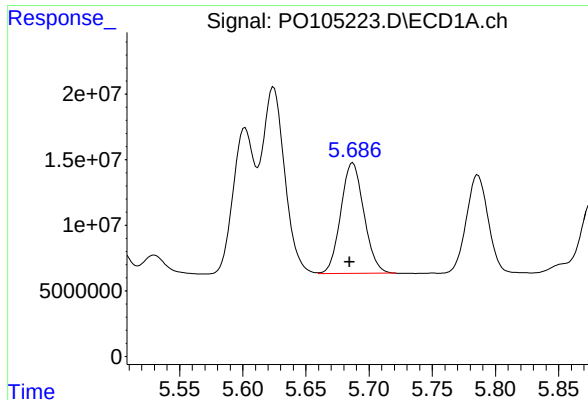
#4 AR-1016-2

R.T.: 5.624 min
Delta R.T.: 0.002 min
Response: 178474573
Conc: 530.88 ng/ml



#4 AR-1016-2

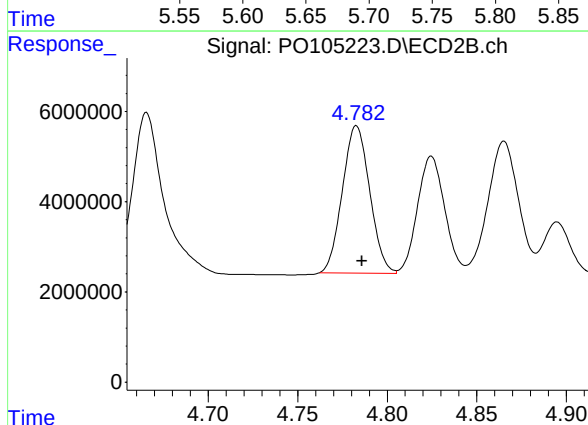
R.T.: 4.611 min
Delta R.T.: -0.003 min
Response: 66042704
Conc: 513.16 ng/ml



#5 AR-1016-3

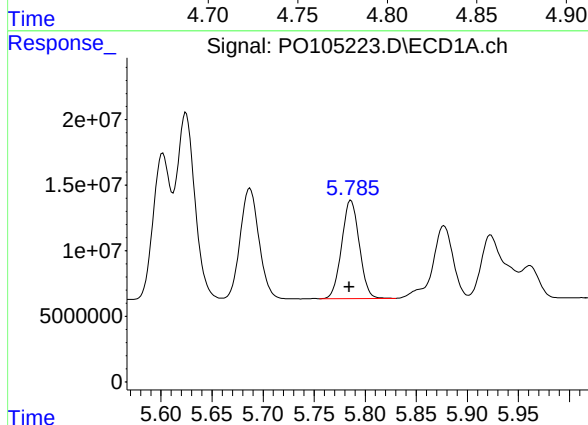
R.T.: 5.687 min
Delta R.T.: 0.002 min
Response: 107441149
Conc: 519.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



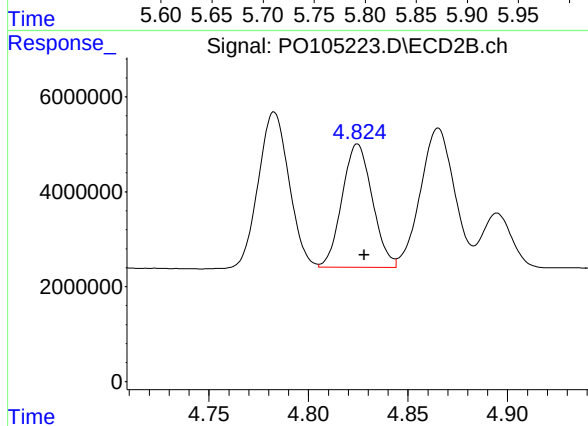
#5 AR-1016-3

R.T.: 4.783 min
Delta R.T.: -0.003 min
Response: 34782897
Conc: 513.67 ng/ml



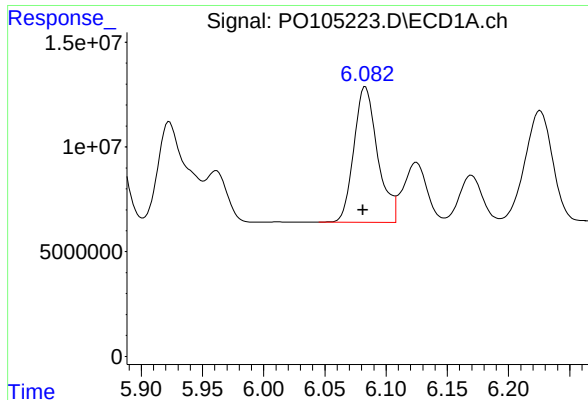
#6 AR-1016-4

R.T.: 5.786 min
Delta R.T.: 0.002 min
Response: 90471285
Conc: 498.32 ng/ml



#6 AR-1016-4

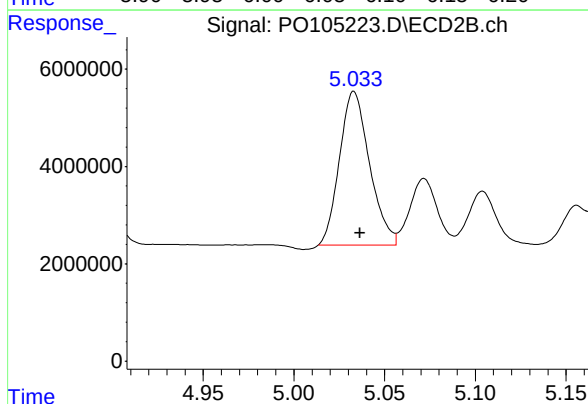
R.T.: 4.825 min
Delta R.T.: -0.003 min
Response: 27485598
Conc: 511.08 ng/ml



#7 AR-1016-5

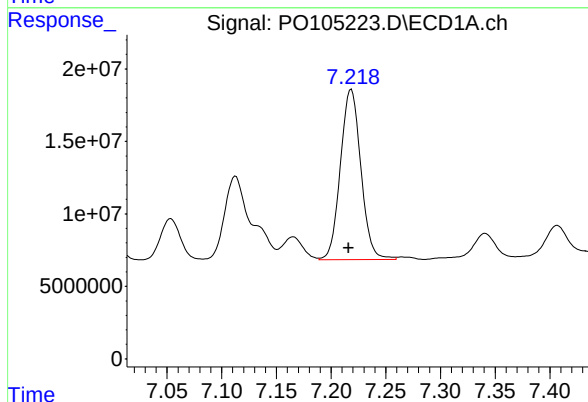
R.T.: 6.083 min
Delta R.T.: 0.002 min
Response: 87349692
Conc: 536.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



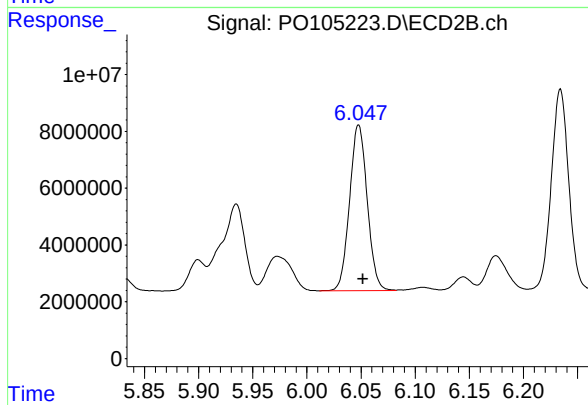
#7 AR-1016-5

R.T.: 5.033 min
Delta R.T.: -0.003 min
Response: 36435276
Conc: 513.42 ng/ml



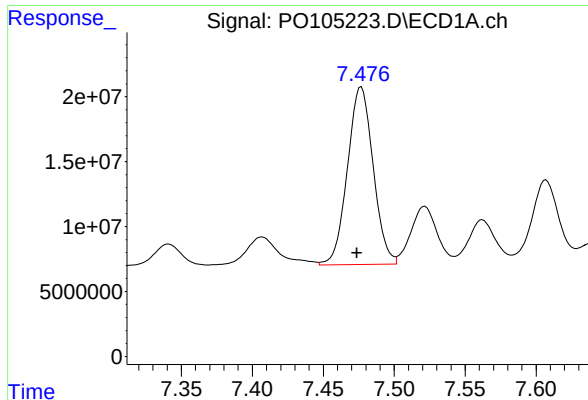
#31 AR-1260-1

R.T.: 7.218 min
Delta R.T.: 0.003 min
Response: 153250641
Conc: 482.65 ng/ml



#31 AR-1260-1

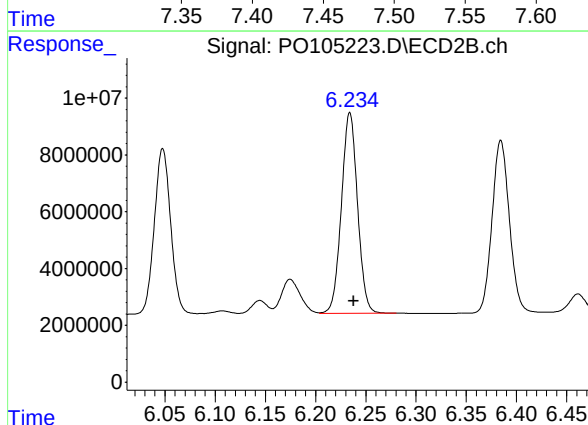
R.T.: 6.048 min
Delta R.T.: -0.004 min
Response: 66087001
Conc: 485.23 ng/ml



#32 AR-1260-2

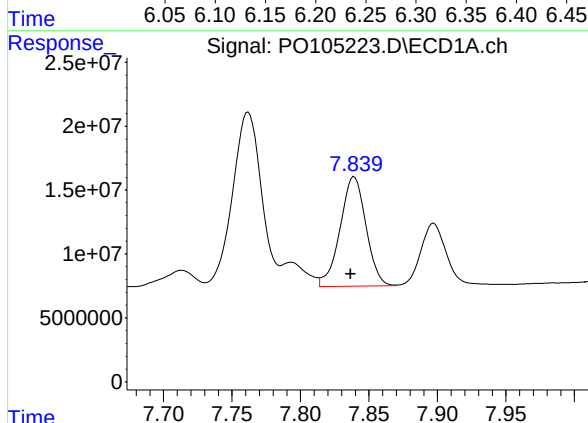
R.T.: 7.477 min
Delta R.T.: 0.003 min
Response: 172203413
Conc: 473.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



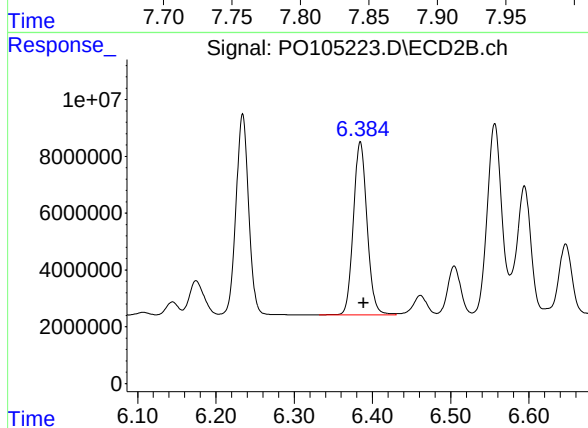
#32 AR-1260-2

R.T.: 6.234 min
Delta R.T.: -0.004 min
Response: 79131466
Conc: 470.29 ng/ml



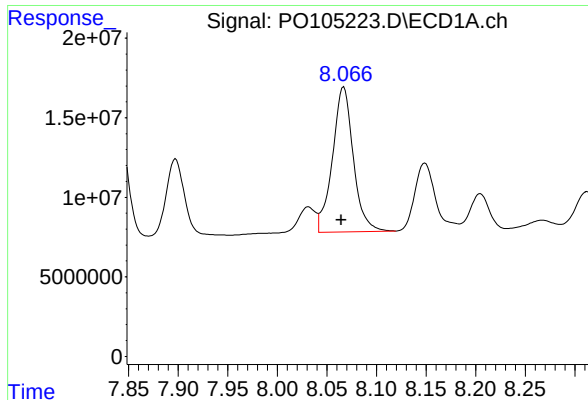
#33 AR-1260-3

R.T.: 7.839 min
Delta R.T.: 0.002 min
Response: 112680295
Conc: 439.46 ng/ml



#33 AR-1260-3

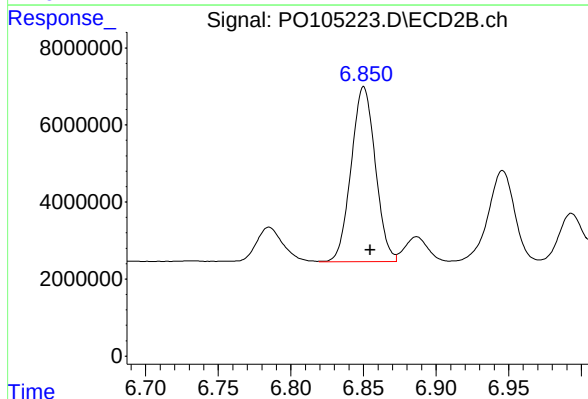
R.T.: 6.384 min
Delta R.T.: -0.004 min
Response: 74062535
Conc: 439.13 ng/ml



#34 AR-1260-4

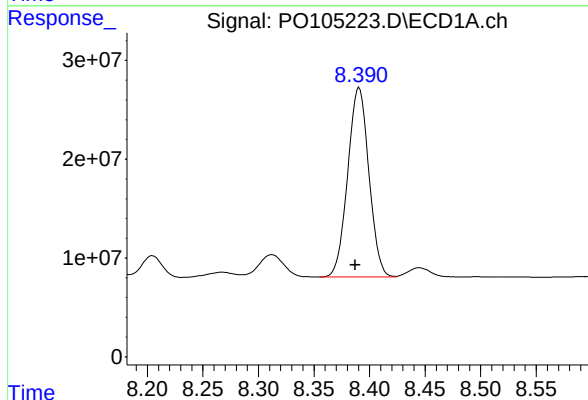
R.T.: 8.067 min
Delta R.T.: 0.003 min
Response: 133254271
Conc: 467.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



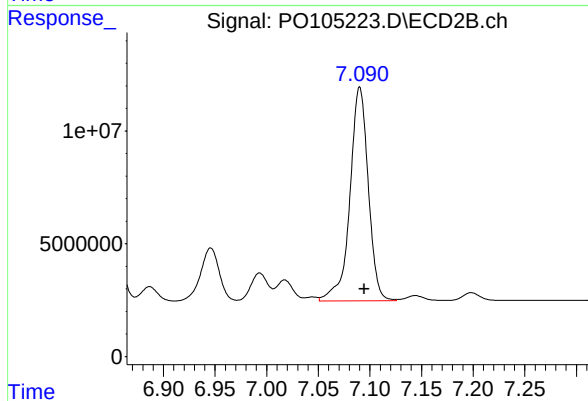
#34 AR-1260-4

R.T.: 6.850 min
Delta R.T.: -0.005 min
Response: 52590197
Conc: 480.23 ng/ml



#35 AR-1260-5

R.T.: 8.391 min
Delta R.T.: 0.004 min
Response: 253792492
Conc: 454.05 ng/ml



#35 AR-1260-5

R.T.: 7.090 min
Delta R.T.: -0.004 min
Response: 117462621
Conc: 459.53 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Continuing Calib Date: 08/06/2024 Initial Calibration Date(s): 07/29/2024 07/30/2024

Continuing Calib Time: 18:36 Initial Calibration Time(s): 18:07 01:54

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.60	5.60	5.50	5.70	0.00
Aroclor-1016-2	(2)	5.62	5.62	5.52	5.72	0.00
Aroclor-1016-3	(3)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-4	(4)	5.79	5.79	5.69	5.89	0.00
Aroclor-1016-5	(5)	6.08	6.08	5.98	6.18	0.00
Aroclor-1260-1	(1)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-2	(2)	7.48	7.47	7.37	7.57	-0.01
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.07	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.39	8.39	8.29	8.49	0.00
Tetrachloro-m-xylene		4.43	4.43	4.33	4.53	0.00
Decachlorobiphenyl		10.22	10.22	10.12	10.32	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Continuing Calib Date: 08/06/2024 Initial Calibration Date(s): 07/29/2024 07/30/2024

Continuing Calib Time: 18:36 Initial Calibration Time(s): 18:07 01:54

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.59	4.60	4.50	4.70	0.01
Aroclor-1016-2	(2)	4.61	4.61	4.51	4.71	0.00
Aroclor-1016-3	(3)	4.78	4.79	4.69	4.89	0.01
Aroclor-1016-4	(4)	4.83	4.83	4.73	4.93	0.01
Aroclor-1016-5	(5)	5.03	5.04	4.94	5.14	0.01
Aroclor-1260-1	(1)	6.05	6.05	5.95	6.15	0.00
Aroclor-1260-2	(2)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-3	(3)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-4	(4)	6.85	6.86	6.76	6.96	0.01
Aroclor-1260-5	(5)	7.09	7.10	7.00	7.20	0.01
Tetrachloro-m-xylene		3.54	3.54	3.44	3.64	0.00
Decachlorobiphenyl		8.43	8.44	8.34	8.54	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/29/2024 07/29/2024

Client Sample No.: CCAL02 Date Analyzed: 08/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO105238.D Time Analyzed: 18:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.601	5.500	5.700	525.960	500.000	5.2
Aroclor-1016-2	5.624	5.522	5.722	534.610	500.000	6.9
Aroclor-1016-3	5.687	5.585	5.785	522.110	500.000	4.4
Aroclor-1016-4	5.786	5.685	5.885	499.040	500.000	-0.2
Aroclor-1016-5	6.083	5.981	6.181	536.420	500.000	7.3
Aroclor-1260-1	7.218	7.116	7.316	490.910	500.000	-1.8
Aroclor-1260-2	7.476	7.374	7.574	492.850	500.000	-1.4
Aroclor-1260-3	7.838	7.737	7.937	450.390	500.000	-9.9
Aroclor-1260-4	8.065	7.964	8.164	465.510	500.000	-6.9
Aroclor-1260-5	8.388	8.287	8.487	449.940	500.000	-10.0
Decachlorobiphenyl	10.220	10.121	10.321	48.050	50.000	-3.9
Tetrachloro-m-xylene	4.430	4.329	4.529	53.860	50.000	7.7



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CALIBRATION VERIFICATION SUMMARY

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/29/2024 07/29/2024

Client Sample No.: CCAL02 Date Analyzed: 08/06/2024

Lab Sample No.: AR1660CCC500 Data File : PO105238.D Time Analyzed: 18:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.594	4.496	4.696	519.960	500.000	4.0
Aroclor-1016-2	4.611	4.514	4.714	519.310	500.000	3.9
Aroclor-1016-3	4.784	4.686	4.886	525.090	500.000	5.0
Aroclor-1016-4	4.825	4.728	4.928	522.780	500.000	4.6
Aroclor-1016-5	5.034	4.937	5.137	533.400	500.000	6.7
Aroclor-1260-1	6.049	5.952	6.152	493.810	500.000	-1.2
Aroclor-1260-2	6.234	6.138	6.338	474.510	500.000	-5.1
Aroclor-1260-3	6.385	6.289	6.489	446.110	500.000	-10.8
Aroclor-1260-4	6.850	6.755	6.955	483.660	500.000	-3.3
Aroclor-1260-5	7.090	6.995	7.195	464.770	500.000	-7.0
Decachlorobiphenyl	8.430	8.337	8.537	47.640	50.000	-4.7
Tetrachloro-m-xylene	3.539	3.440	3.640	52.650	50.000	5.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
 Data File : PO105238.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2024 18:36
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 02:01:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.430	3.539	370.8E6	134.1E6	53.863	52.646
2) SA Decachlor...	10.220	8.430	246.7E6	75682452	48.048	47.643
Target Compounds						
3) L1 AR-1016-1	5.601	4.594	125.2E6	48343227	525.964	519.963
4) L1 AR-1016-2	5.624	4.611	179.7E6	66834225	534.613	519.307
5) L1 AR-1016-3	5.687	4.784	108.0E6	35556019	522.111	525.088
6) L1 AR-1016-4	5.786	4.825	90601654	28114582	499.035	522.777
7) L1 AR-1016-5	6.083	5.034	87303378	37853093	536.417	533.402
31) L7 AR-1260-1	7.218	6.049	155.9E6	67256008	490.905	493.813
32) L7 AR-1260-2	7.476	6.234	179.2E6	79841162	492.846	474.507
33) L7 AR-1260-3	7.838	6.385	115.5E6	75238945	450.392	446.108
34) L7 AR-1260-4	8.065	6.850	132.7E6	52965969	465.506	483.660
35) L7 AR-1260-5	8.388	7.090	251.5E6	118.8E6	449.935	464.768

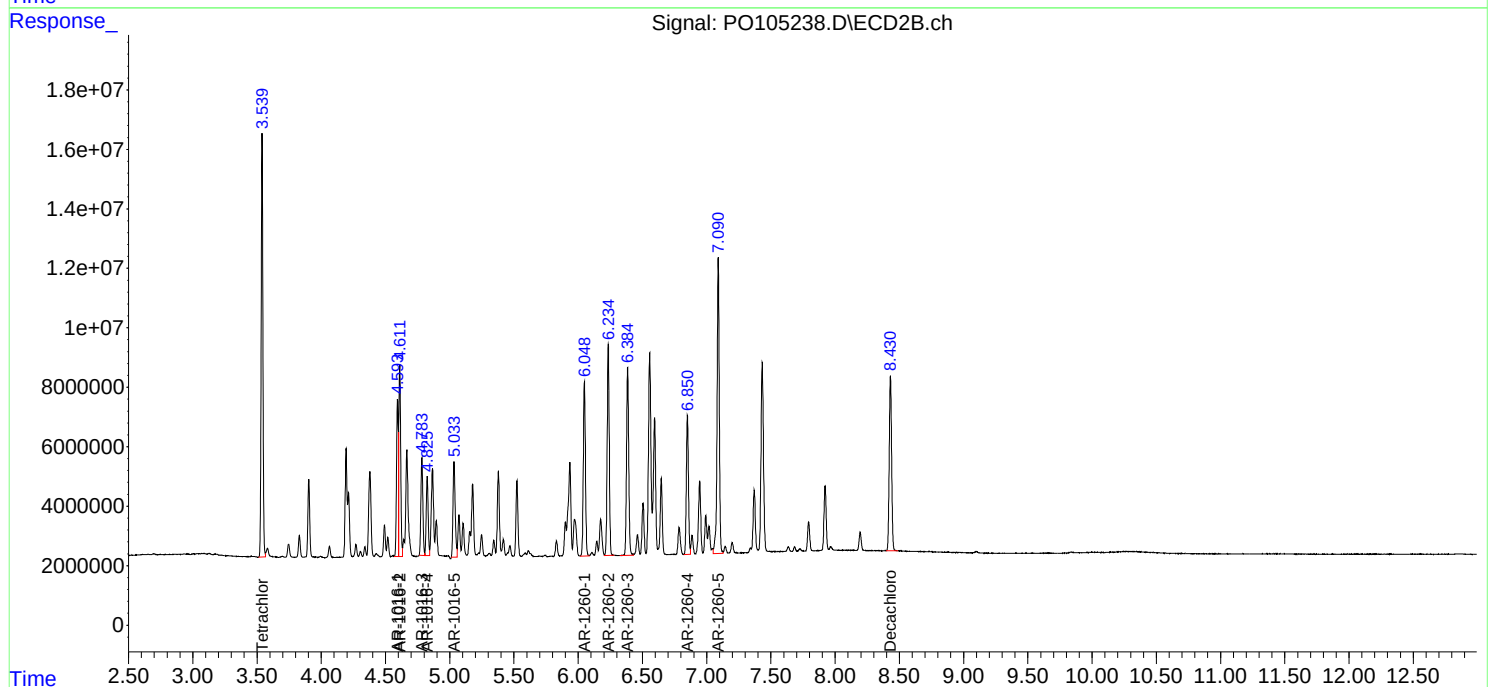
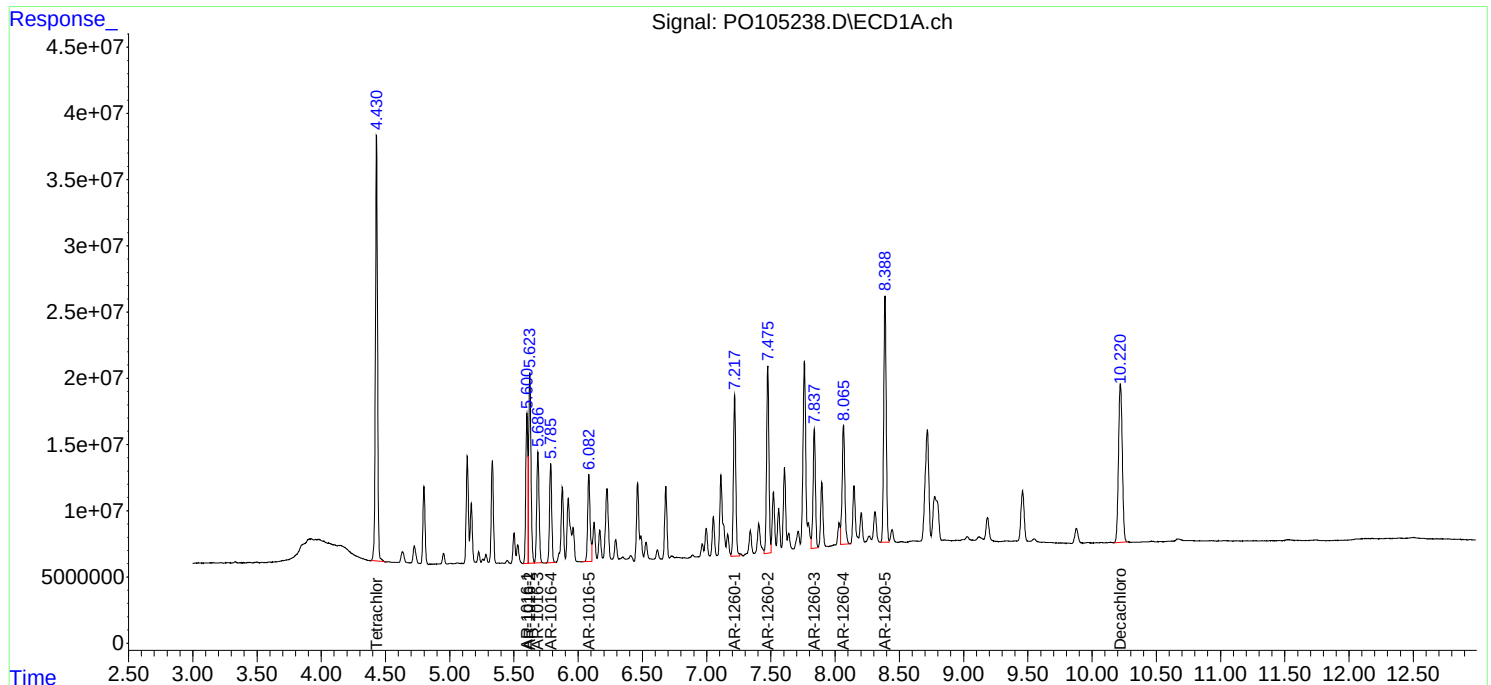
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

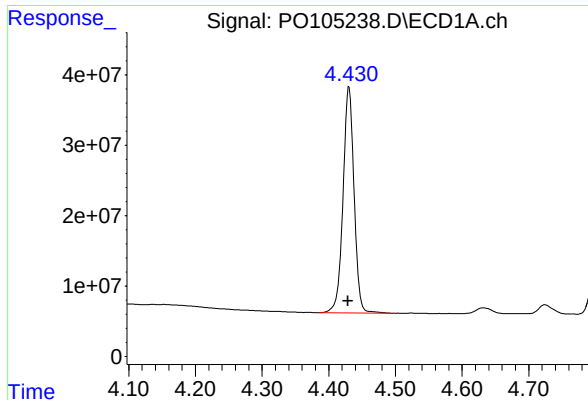
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
Data File : PO105238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2024 18:36
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 02:01:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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

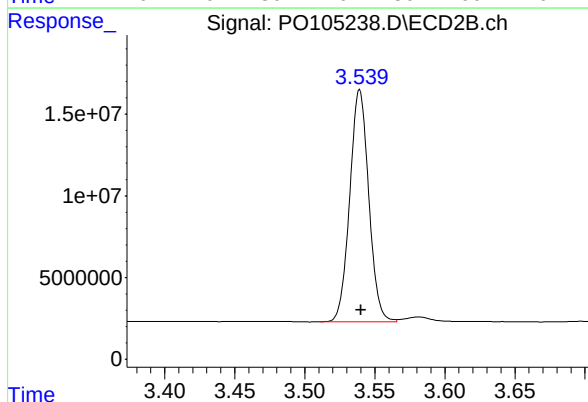




#1 Tetrachloro-m-xylene

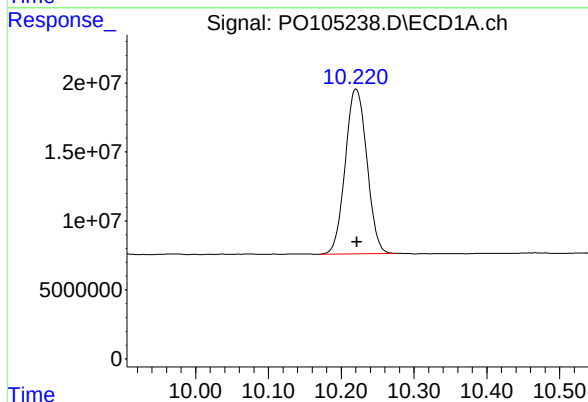
R.T.: 4.430 min
Delta R.T.: 0.001 min
Response: 370808714
Conc: 53.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



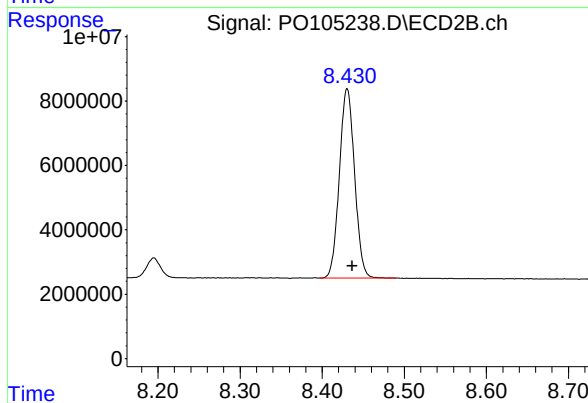
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 134146852
Conc: 52.65 ng/ml



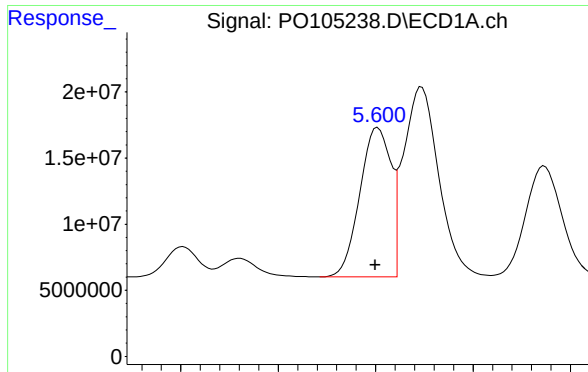
#2 Decachlorobiphenyl

R.T.: 10.220 min
Delta R.T.: 0.000 min
Response: 246675235
Conc: 48.05 ng/ml



#2 Decachlorobiphenyl

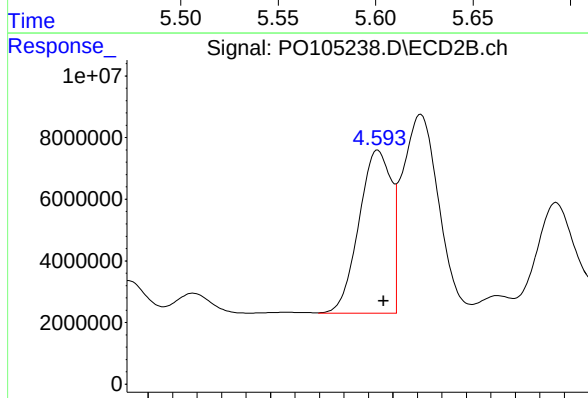
R.T.: 8.430 min
Delta R.T.: -0.006 min
Response: 75682452
Conc: 47.64 ng/ml



#3 AR-1016-1

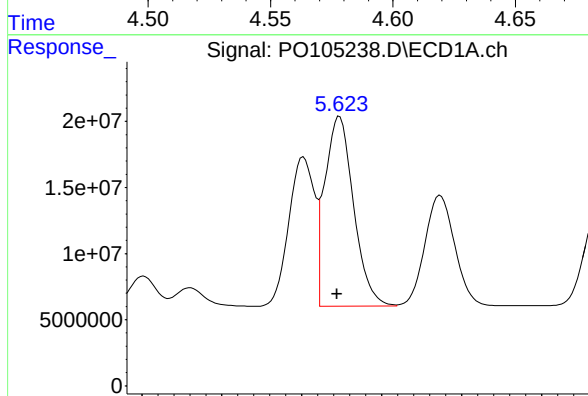
R.T.: 5.601 min
Delta R.T.: 0.001 min
Response: 125161506
Conc: 525.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



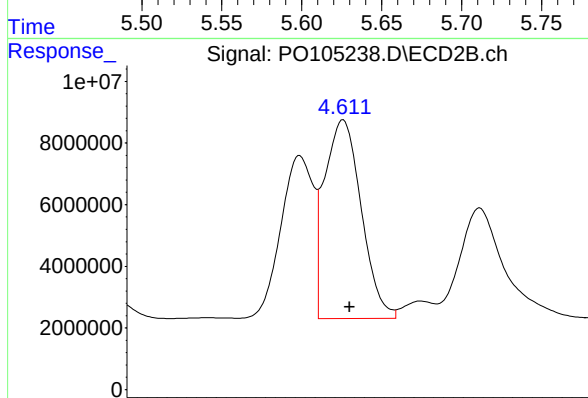
#3 AR-1016-1

R.T.: 4.594 min
Delta R.T.: -0.002 min
Response: 48343227
Conc: 519.96 ng/ml



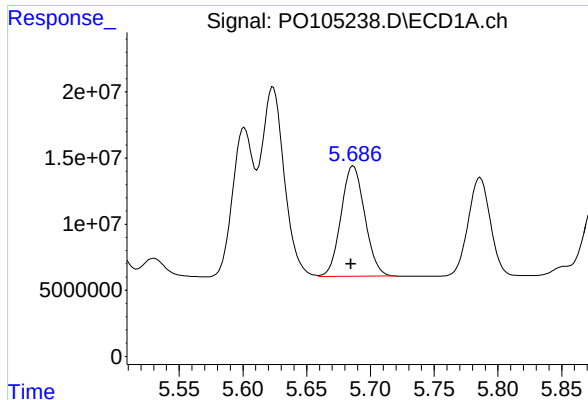
#4 AR-1016-2

R.T.: 5.624 min
Delta R.T.: 0.002 min
Response: 179730267
Conc: 534.61 ng/ml



#4 AR-1016-2

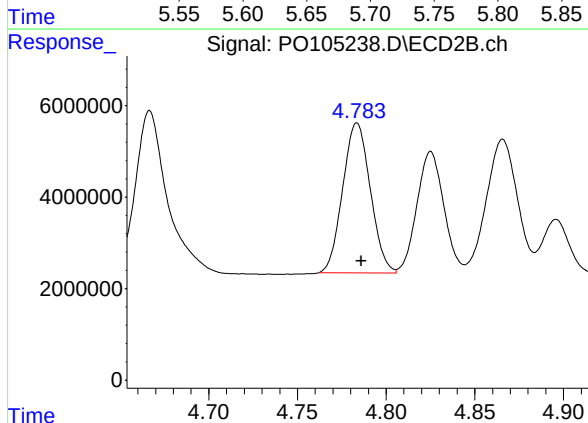
R.T.: 4.611 min
Delta R.T.: -0.003 min
Response: 66834225
Conc: 519.31 ng/ml



#5 AR-1016-3

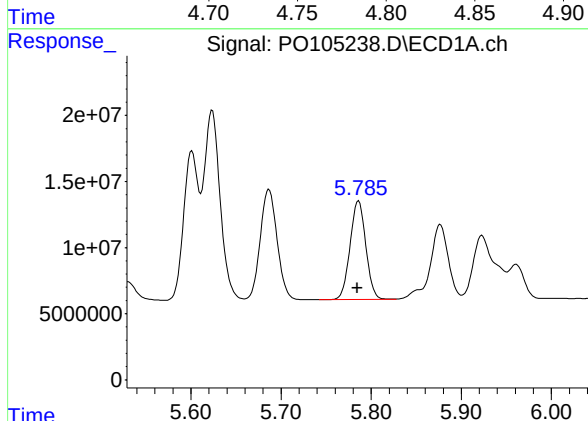
R.T.: 5.687 min
Delta R.T.: 0.002 min
Response: 108006319
Conc: 522.11 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



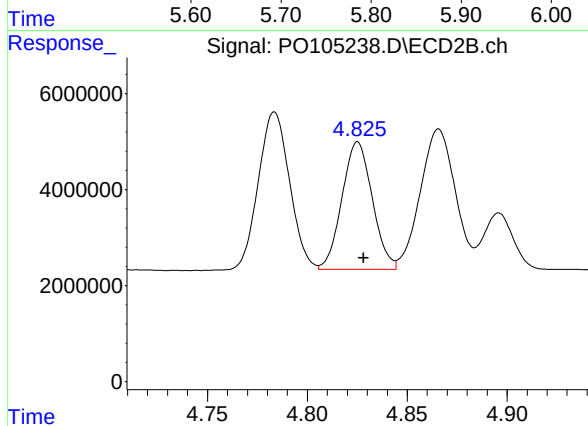
#5 AR-1016-3

R.T.: 4.784 min
Delta R.T.: -0.002 min
Response: 35556019
Conc: 525.09 ng/ml



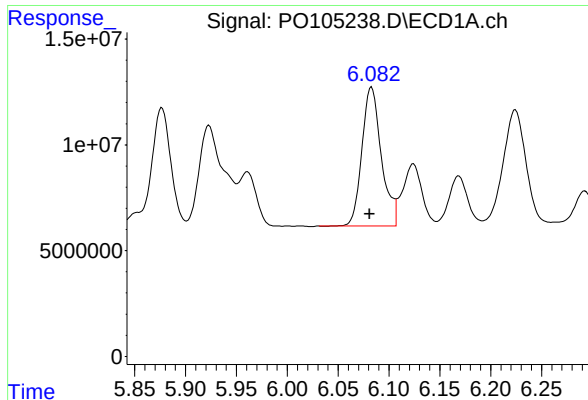
#6 AR-1016-4

R.T.: 5.786 min
Delta R.T.: 0.002 min
Response: 90601654
Conc: 499.04 ng/ml



#6 AR-1016-4

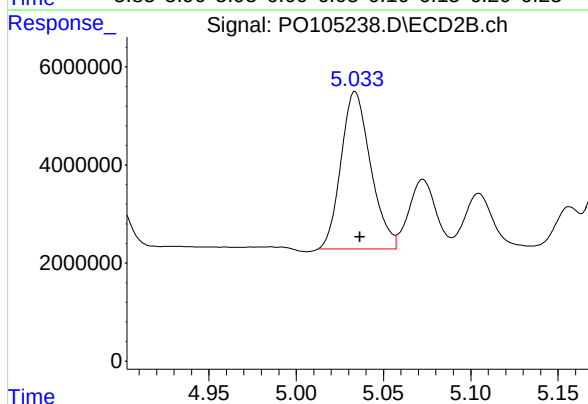
R.T.: 4.825 min
Delta R.T.: -0.003 min
Response: 28114582
Conc: 522.78 ng/ml



#7 AR-1016-5

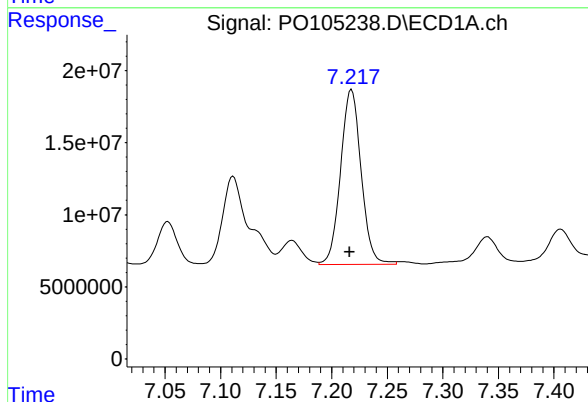
R.T.: 6.083 min
Delta R.T.: 0.002 min
Response: 87303378
Conc: 536.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



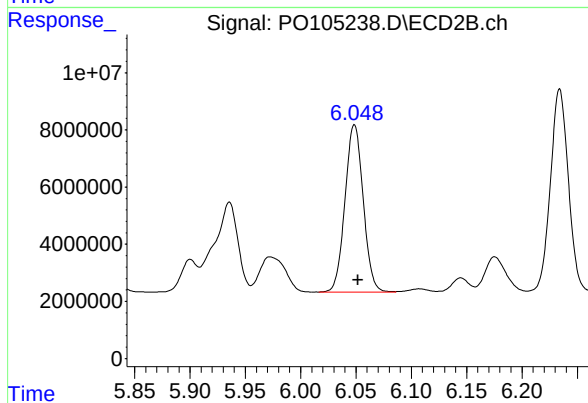
#7 AR-1016-5

R.T.: 5.034 min
Delta R.T.: -0.003 min
Response: 37853093
Conc: 533.40 ng/ml



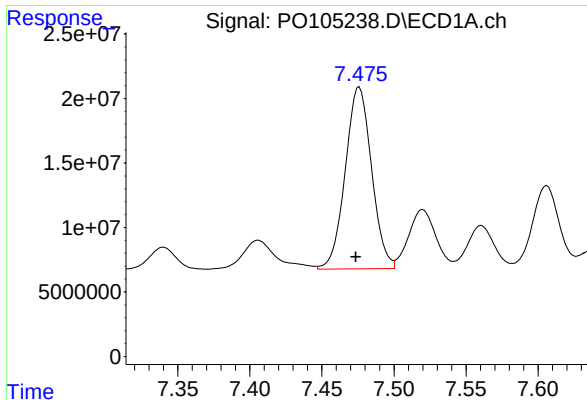
#31 AR-1260-1

R.T.: 7.218 min
Delta R.T.: 0.002 min
Response: 155872150
Conc: 490.91 ng/ml



#31 AR-1260-1

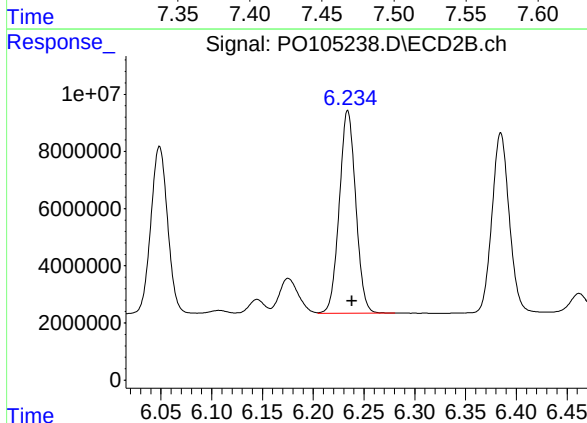
R.T.: 6.049 min
Delta R.T.: -0.003 min
Response: 67256008
Conc: 493.81 ng/ml



#32 AR-1260-2

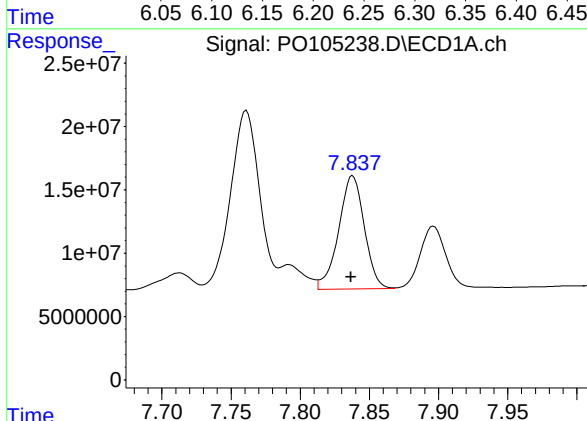
R.T.: 7.476 min
Delta R.T.: 0.002 min
Response: 179232223
Conc: 492.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



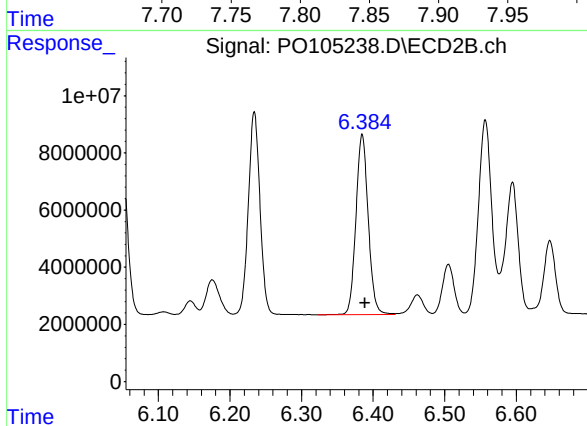
#32 AR-1260-2

R.T.: 6.234 min
Delta R.T.: -0.004 min
Response: 79841162
Conc: 474.51 ng/ml



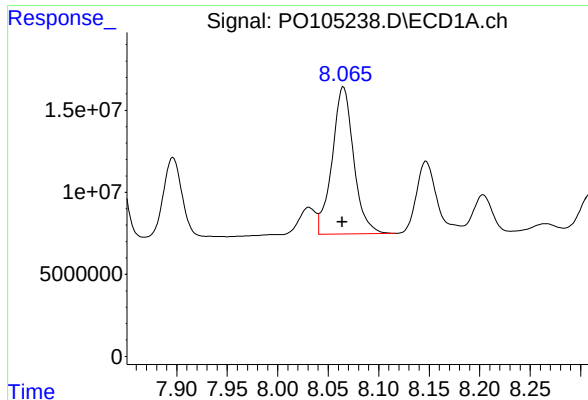
#33 AR-1260-3

R.T.: 7.838 min
Delta R.T.: 0.001 min
Response: 115483638
Conc: 450.39 ng/ml



#33 AR-1260-3

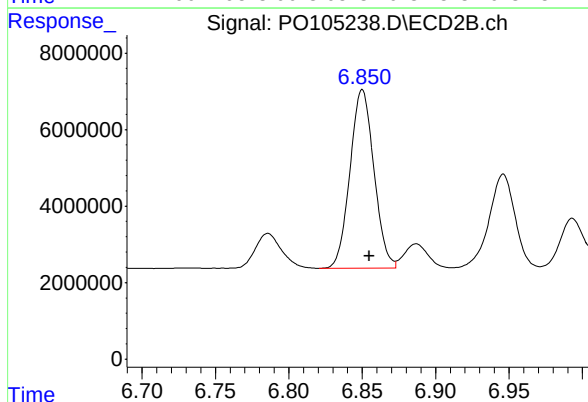
R.T.: 6.385 min
Delta R.T.: -0.004 min
Response: 75238945
Conc: 446.11 ng/ml



#34 AR-1260-4

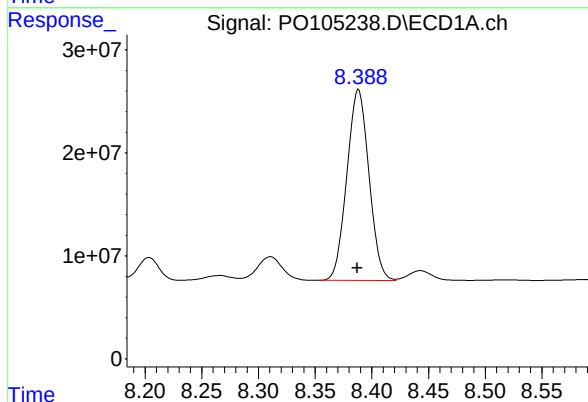
R.T.: 8.065 min
Delta R.T.: 0.001 min
Response: 132705968
Conc: 465.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



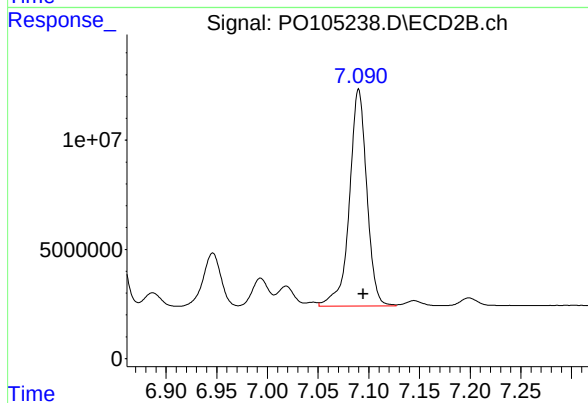
#34 AR-1260-4

R.T.: 6.850 min
Delta R.T.: -0.005 min
Response: 52965969
Conc: 483.66 ng/ml



#35 AR-1260-5

R.T.: 8.388 min
Delta R.T.: 0.001 min
Response: 251493040
Conc: 449.94 ng/ml



#35 AR-1260-5

R.T.: 7.090 min
Delta R.T.: -0.005 min
Response: 118802716
Conc: 464.77 ng/ml

Analytical Sequence

Client: JACOBS Engineering Group, Inc.	SDG No.: P3475
Project: Former Schlumberger Site Princeton NJ	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 07/29/2024 07/29/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/29/2024	17:50	PO105003.D	10.22	4.43
AR1660ICC1000	AR1660ICC1000	07/29/2024	18:07	PO105004.D	10.22	4.43
AR1660ICC750	AR1660ICC750	07/29/2024	18:24	PO105005.D	10.22	4.43
AR1660ICC500	AR1660ICC500	07/29/2024	18:42	PO105006.D	10.22	4.43
AR1660ICC250	AR1660ICC250	07/29/2024	18:59	PO105007.D	10.22	4.43
AR1660ICC050	AR1660ICC050	07/29/2024	19:16	PO105008.D	10.22	4.43
AR1221ICC500	AR1221ICC500	07/29/2024	19:34	PO105009.D	10.22	4.43
AR1232ICC500	AR1232ICC500	07/29/2024	19:51	PO105010.D	10.22	4.43
AR1242ICC1000	AR1242ICC1000	07/29/2024	20:08	PO105011.D	10.22	4.43
AR1242ICC750	AR1242ICC750	07/29/2024	20:26	PO105012.D	10.22	4.43
AR1242ICC500	AR1242ICC500	07/29/2024	20:43	PO105013.D	10.22	4.43
AR1242ICC250	AR1242ICC250	07/29/2024	21:00	PO105014.D	10.22	4.43
AR1242ICC050	AR1242ICC050	07/29/2024	21:18	PO105015.D	10.22	4.43
AR1248ICC1000	AR1248ICC1000	07/29/2024	21:35	PO105016.D	10.22	4.43
AR1248ICC750	AR1248ICC750	07/29/2024	21:52	PO105017.D	10.22	4.43
AR1248ICC500	AR1248ICC500	07/29/2024	22:10	PO105018.D	10.22	4.43
AR1248ICC250	AR1248ICC250	07/29/2024	22:27	PO105019.D	10.22	4.43
AR1248ICC050	AR1248ICC050	07/29/2024	22:44	PO105020.D	10.22	4.43
AR1254ICC1000	AR1254ICC1000	07/29/2024	23:01	PO105021.D	10.22	4.43
AR1254ICC750	AR1254ICC750	07/29/2024	23:19	PO105022.D	10.22	4.43
AR1254ICC500	AR1254ICC500	07/29/2024	23:36	PO105023.D	10.22	4.43
AR1254ICC250	AR1254ICC250	07/29/2024	23:53	PO105024.D	10.22	4.43
AR1254ICC050	AR1254ICC050	07/30/2024	00:11	PO105025.D	10.22	4.43
AR1262ICC500	AR1262ICC500	07/30/2024	00:28	PO105026.D	10.22	4.43
AR1268ICC1000	AR1268ICC1000	07/30/2024	00:45	PO105027.D	10.22	4.43
AR1268ICC750	AR1268ICC750	07/30/2024	01:02	PO105028.D	10.22	4.43
AR1268ICC500	AR1268ICC500	07/30/2024	01:20	PO105029.D	10.22	4.43
AR1268ICC250	AR1268ICC250	07/30/2024	01:37	PO105030.D	10.22	4.43
AR1268ICC050	AR1268ICC050	07/30/2024	01:54	PO105031.D	10.22	4.43
AR1660CCC500	AR1660CCC500	08/06/2024	12:37	PO105223.D	10.22	4.43
IBLK	IBLK	08/06/2024	13:47	PO105227.D	10.22	4.43
PB162521BL	PB162521BL	08/06/2024	15:14	PO105228.D	10.23	4.43
PB162521BS	PB162521BS	08/06/2024	15:31	PO105229.D	10.22	4.43
S-866-N-SO-1.0-1.5-080524	P3475-02	08/06/2024	17:16	PO105235.D	10.22	4.43
S-866-N-SO-1.0-1.5-080524MS	P3475-03MS	08/06/2024	17:33	PO105236.D	10.22	4.43
S-866-N-SO-1.0-1.5-080524MSD	P3475-04MSD	08/06/2024	17:50	PO105237.D	10.22	4.43
AR1660CCC500	AR1660CCC500	08/06/2024	18:36	PO105238.D	10.22	4.43
IBLK	IBLK	08/06/2024	19:46	PO105242.D	10.22	4.43

Analytical Sequence

Client: JACOBS Engineering Group, Inc.	SDG No.: P3475
Project: Former Schlumberger Site Princeton NJ	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 07/29/2024 07/29/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/29/2024	17:50	PO105003.D	8.44	3.54
AR1660ICC1000	AR1660ICC1000	07/29/2024	18:07	PO105004.D	8.44	3.54
AR1660ICC750	AR1660ICC750	07/29/2024	18:24	PO105005.D	8.44	3.54
AR1660ICC500	AR1660ICC500	07/29/2024	18:42	PO105006.D	8.44	3.54
AR1660ICC250	AR1660ICC250	07/29/2024	18:59	PO105007.D	8.44	3.54
AR1660ICC050	AR1660ICC050	07/29/2024	19:16	PO105008.D	8.44	3.54
AR1221ICC500	AR1221ICC500	07/29/2024	19:34	PO105009.D	8.44	3.54
AR1232ICC500	AR1232ICC500	07/29/2024	19:51	PO105010.D	8.44	3.54
AR1242ICC1000	AR1242ICC1000	07/29/2024	20:08	PO105011.D	8.44	3.54
AR1242ICC750	AR1242ICC750	07/29/2024	20:26	PO105012.D	8.44	3.54
AR1242ICC500	AR1242ICC500	07/29/2024	20:43	PO105013.D	8.44	3.54
AR1242ICC250	AR1242ICC250	07/29/2024	21:00	PO105014.D	8.44	3.54
AR1242ICC050	AR1242ICC050	07/29/2024	21:18	PO105015.D	8.44	3.54
AR1248ICC1000	AR1248ICC1000	07/29/2024	21:35	PO105016.D	8.43	3.54
AR1248ICC750	AR1248ICC750	07/29/2024	21:52	PO105017.D	8.44	3.54
AR1248ICC500	AR1248ICC500	07/29/2024	22:10	PO105018.D	8.44	3.54
AR1248ICC250	AR1248ICC250	07/29/2024	22:27	PO105019.D	8.43	3.54
AR1248ICC050	AR1248ICC050	07/29/2024	22:44	PO105020.D	8.44	3.54
AR1254ICC1000	AR1254ICC1000	07/29/2024	23:01	PO105021.D	8.44	3.54
AR1254ICC750	AR1254ICC750	07/29/2024	23:19	PO105022.D	8.44	3.54
AR1254ICC500	AR1254ICC500	07/29/2024	23:36	PO105023.D	8.44	3.54
AR1254ICC250	AR1254ICC250	07/29/2024	23:53	PO105024.D	8.44	3.54
AR1254ICC050	AR1254ICC050	07/30/2024	00:11	PO105025.D	8.43	3.54
AR1262ICC500	AR1262ICC500	07/30/2024	00:28	PO105026.D	8.43	3.54
AR1268ICC1000	AR1268ICC1000	07/30/2024	00:45	PO105027.D	8.44	3.54
AR1268ICC750	AR1268ICC750	07/30/2024	01:02	PO105028.D	8.44	3.54
AR1268ICC500	AR1268ICC500	07/30/2024	01:20	PO105029.D	8.44	3.54
AR1268ICC250	AR1268ICC250	07/30/2024	01:37	PO105030.D	8.44	3.54
AR1268ICC050	AR1268ICC050	07/30/2024	01:54	PO105031.D	8.43	3.54
AR1660CCC500	AR1660CCC500	08/06/2024	12:37	PO105223.D	8.43	3.54
IBLK	IBLK	08/06/2024	13:47	PO105227.D	8.43	3.54
PB162521BL	PB162521BL	08/06/2024	15:14	PO105228.D	8.43	3.54
PB162521BS	PB162521BS	08/06/2024	15:31	PO105229.D	8.43	3.54
S-866-N-SO-1.0-1.5-080524	P3475-02	08/06/2024	17:16	PO105235.D	8.43	3.54
S-866-N-SO-1.0-1.5-080524MS	P3475-03MS	08/06/2024	17:33	PO105236.D	8.43	3.54
S-866-N-SO-1.0-1.5-080524MSD	P3475-04MSD	08/06/2024	17:50	PO105237.D	8.43	3.54
AR1660CCC500	AR1660CCC500	08/06/2024	18:36	PO105238.D	8.43	3.54
IBLK	IBLK	08/06/2024	19:46	PO105242.D	8.43	3.54

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB162521BS

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Lab Sample ID: PB162521BS Date(s) Analyzed: 08/06/2024 08/06/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO105229.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.601	5.551	5.651	196	193	4.77
COLUMN 1	2	5.624	5.574	5.674	195		
	3	5.686	5.636	5.736	193		
	4	5.786	5.736	5.836	183		
	5	6.083	6.033	6.133	198		
	1	4.593	4.543	4.643	186		
COLUMN 2	2	4.611	4.561	4.661	186	184	
	3	4.782	4.732	4.832	185		
	4	4.824	4.774	4.874	188		
	5	5.032	4.982	5.082	178		
Aroclor-1260	1	7.218	7.168	7.268	177	169	0
COLUMN 1	2	7.477	7.427	7.527	181		
	3	7.839	7.789	7.889	153		
	4	8.067	8.017	8.117	173		
	5	8.39	8.34	8.44	162		
	1	6.048	5.998	6.098	179	169	
COLUMN 2	2	6.233	6.183	6.283	169		
	3	6.384	6.334	6.434	160		
	4	6.849	6.799	6.899	167		
	5	7.089	7.039	7.139	170		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

S-866-N-SO-1.0-1.5-080

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Lab Sample ID: P3475-03MS Date(s) Analyzed: 08/06/2024 08/06/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO105236.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.601	5.551	5.651	206	203	0.99
COLUMN 1	2	5.623	5.573	5.673	203		
	3	5.686	5.636	5.736	202		
	4	5.785	5.735	5.835	193		
	5	6.082	6.032	6.132	209		
	1	4.594	4.544	4.644	207		
COLUMN 2	2	4.611	4.561	4.661	205	201	
	3	4.783	4.733	4.833	202		
	4	4.825	4.775	4.875	201		
	5	5.033	4.983	5.083	188		
Aroclor-1260	1	7.218	7.168	7.268	203	186	1.08
COLUMN 1	2	7.475	7.425	7.525	205		
	3	7.838	7.788	7.888	171		
	4	8.066	8.016	8.116	185		
	5	8.388	8.338	8.438	167		
	1	6.048	5.998	6.098	206	184	
COLUMN 2	2	6.234	6.184	6.284	182		
	3	6.385	6.335	6.435	174		
	4	6.85	6.8	6.9	186		
	5	7.09	7.04	7.14	173		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

S-866-N-SO-1.0-1.5-080

Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Lab Sample ID: P3475-04MSD Date(s) Analyzed: 08/06/2024 08/06/2024

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO105237.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.601	5.551	5.651	204	201	0.5
COLUMN 1	2	5.624	5.574	5.674	201		
	3	5.686	5.636	5.736	200		
	4	5.786	5.736	5.836	191		
	5	6.082	6.032	6.132	209		
	1	4.594	4.544	4.644	211		
COLUMN 2	2	4.611	4.561	4.661	202	200	
	3	4.783	4.733	4.833	201		
	4	4.825	4.775	4.875	201		
	5	5.033	4.983	5.083	187		
Aroclor-1260	1	7.218	7.168	7.268	203	185	0.54
COLUMN 1	2	7.475	7.425	7.525	202		
	3	7.838	7.788	7.888	172		
	4	8.065	8.015	8.115	182		
	5	8.389	8.339	8.439	165		
	1	6.049	5.999	6.099	206	184	
COLUMN 2	2	6.235	6.185	6.285	182		
	3	6.385	6.335	6.435	174		
	4	6.85	6.8	6.9	184		
	5	7.09	7.04	7.14	173		



QC SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162521BL	SDG No.:	P3475
Lab Sample ID:	PB162521BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO105228.D	1	08/06/24 08:40	08/06/24 15:14	PB162521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.9		30 (32) - 150 (144)	134%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.5		30 (32) - 150 (175)	123%	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_O\Data\PO080624\
 Data File : PO105228.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2024 15:14
 Operator : YP/AJ
 Sample : PB162521BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB162521BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 01:51:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.430	3.538	185.1E6	66252236	26.890	26.001
2) SA Decachlor...	10.225	8.430	125.5E6	38935700	24.442	24.511

Target Compounds

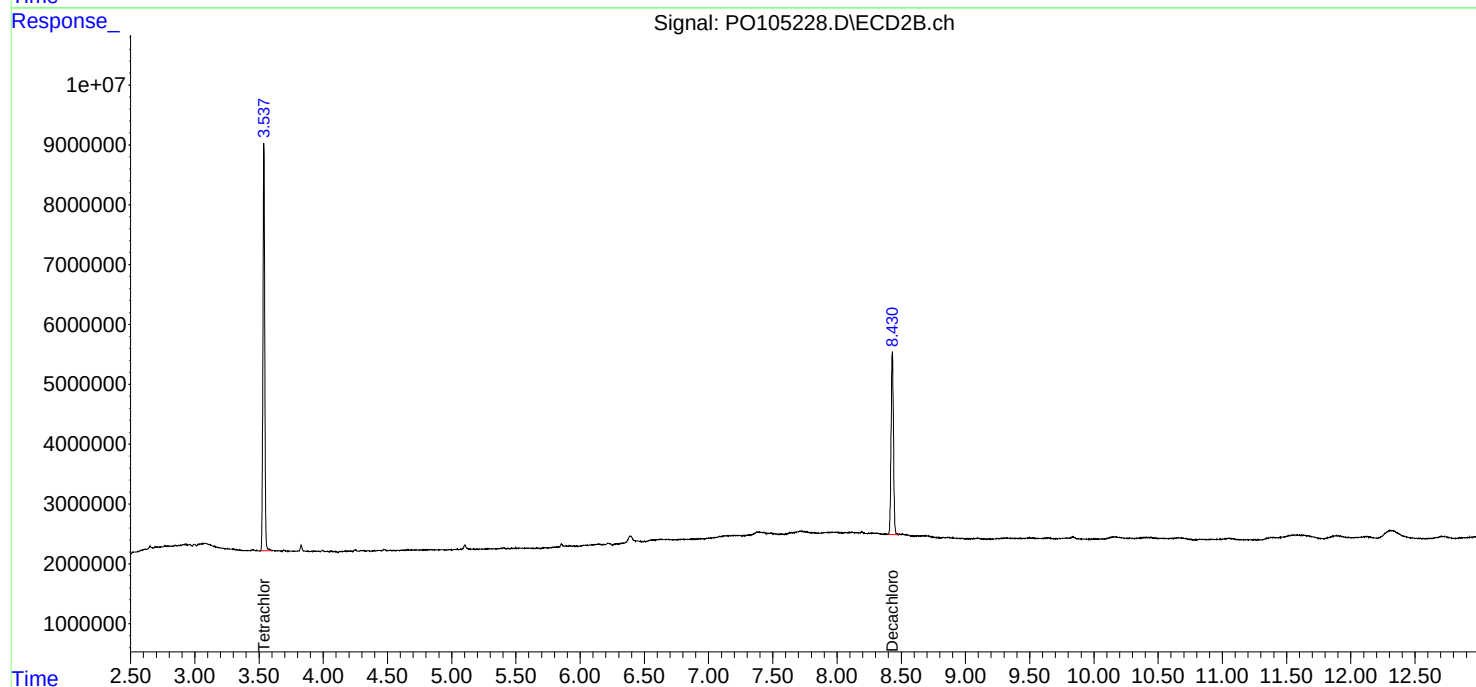
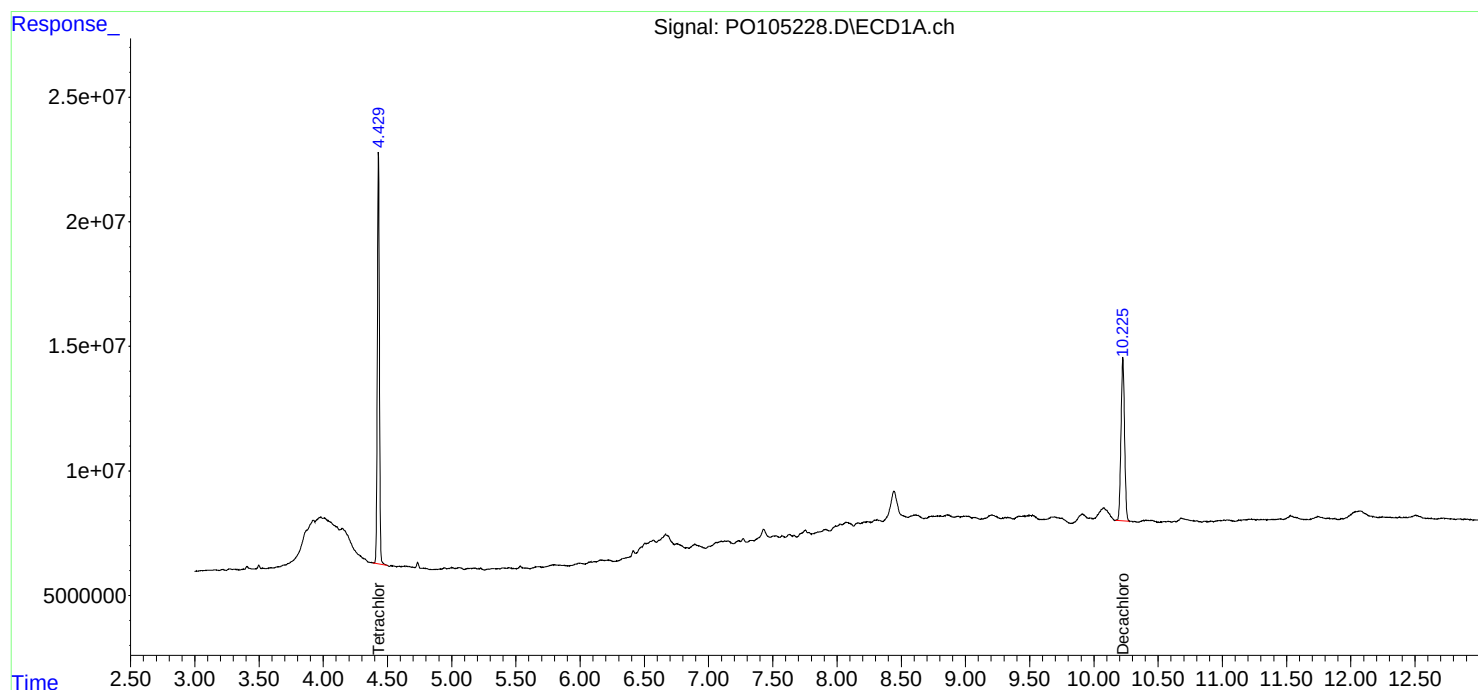
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

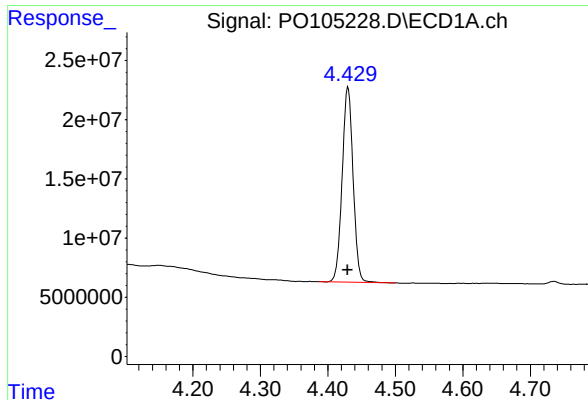
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
Data File : PO105228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2024 15:14
Operator : YP/AJ
Sample : PB162521BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB162521BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 01:51:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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

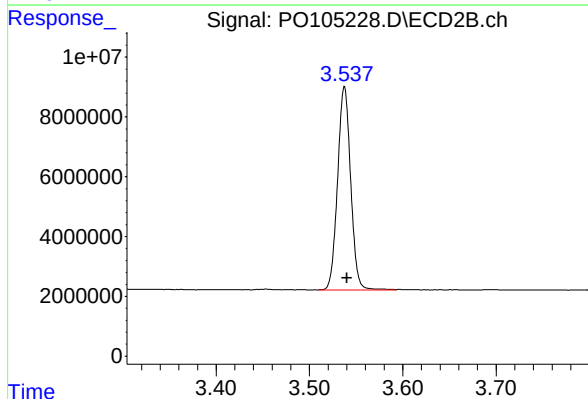




#1 Tetrachloro-m-xylene

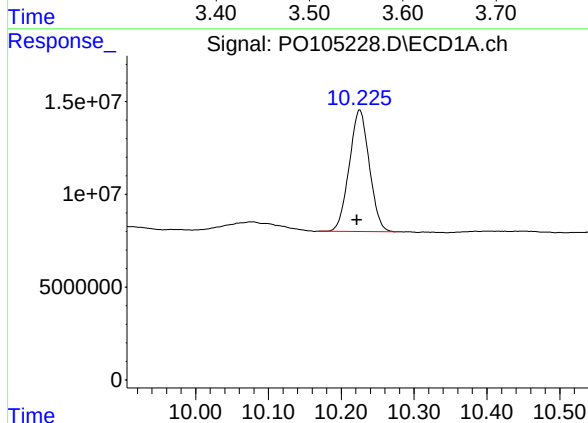
R.T.: 4.430 min
Delta R.T.: 0.000 min
Response: 185118743
Conc: 26.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB162521BL



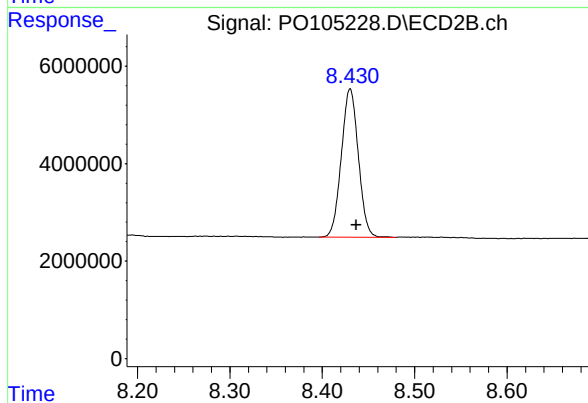
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.003 min
Response: 66252236
Conc: 26.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.225 min
Delta R.T.: 0.004 min
Response: 125486663
Conc: 24.44 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.430 min
Delta R.T.: -0.007 min
Response: 38935700
Conc: 24.51 ng/ml

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/29/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/29/24
Client Sample ID:	PIBLK-PO105003.D	SDG No.:	P3475
Lab Sample ID:	I.BLK-PO105003.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PO105003.D	1		07/29/24	po072924

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	12.5	*	70 (60) - 130 (140)	63%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.9	*	70 (60) - 130 (140)	64%	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_O\Data\P0072924\
Data File : P0105003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 17:50
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 07:13:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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...	4.429	3.540	86179951	32256808	12.518	12.659
2)	SA Decachlor...	10.220	8.436	66111652	21197681	12.877	13.344

Target Compounds

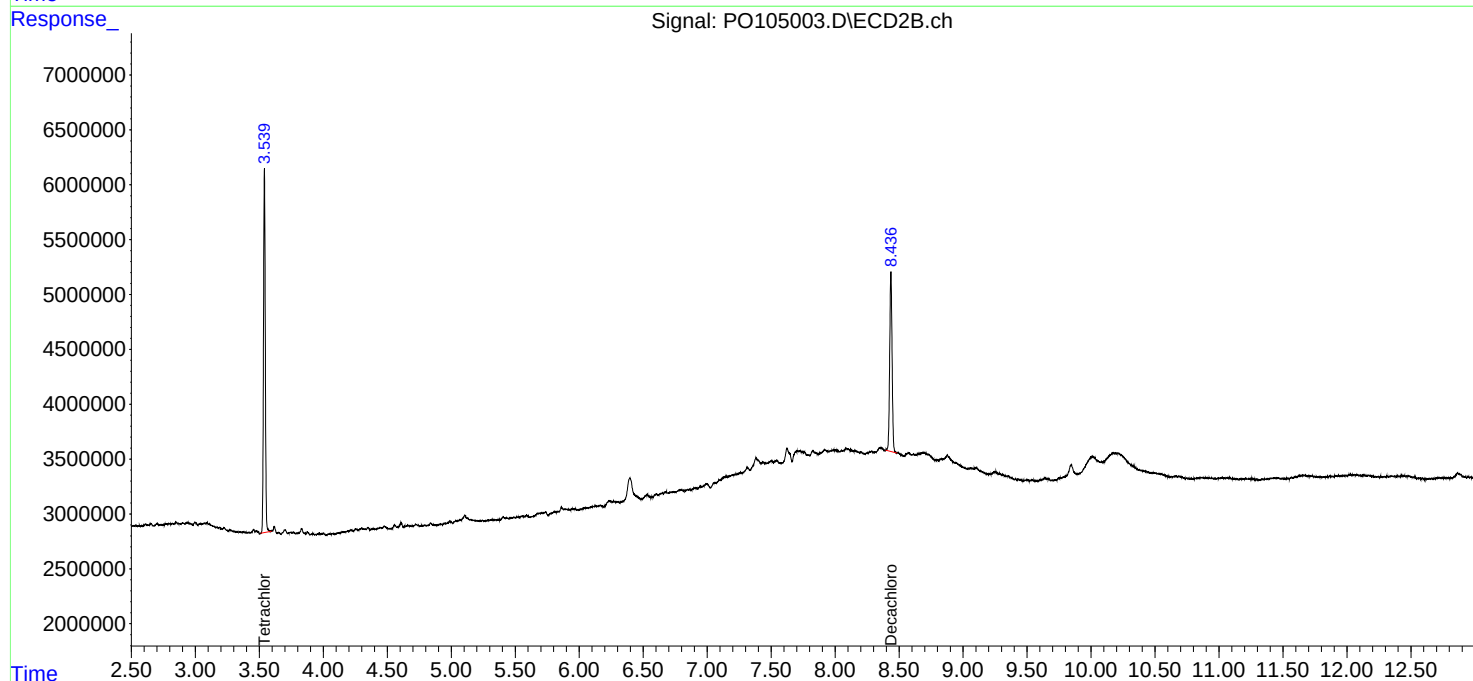
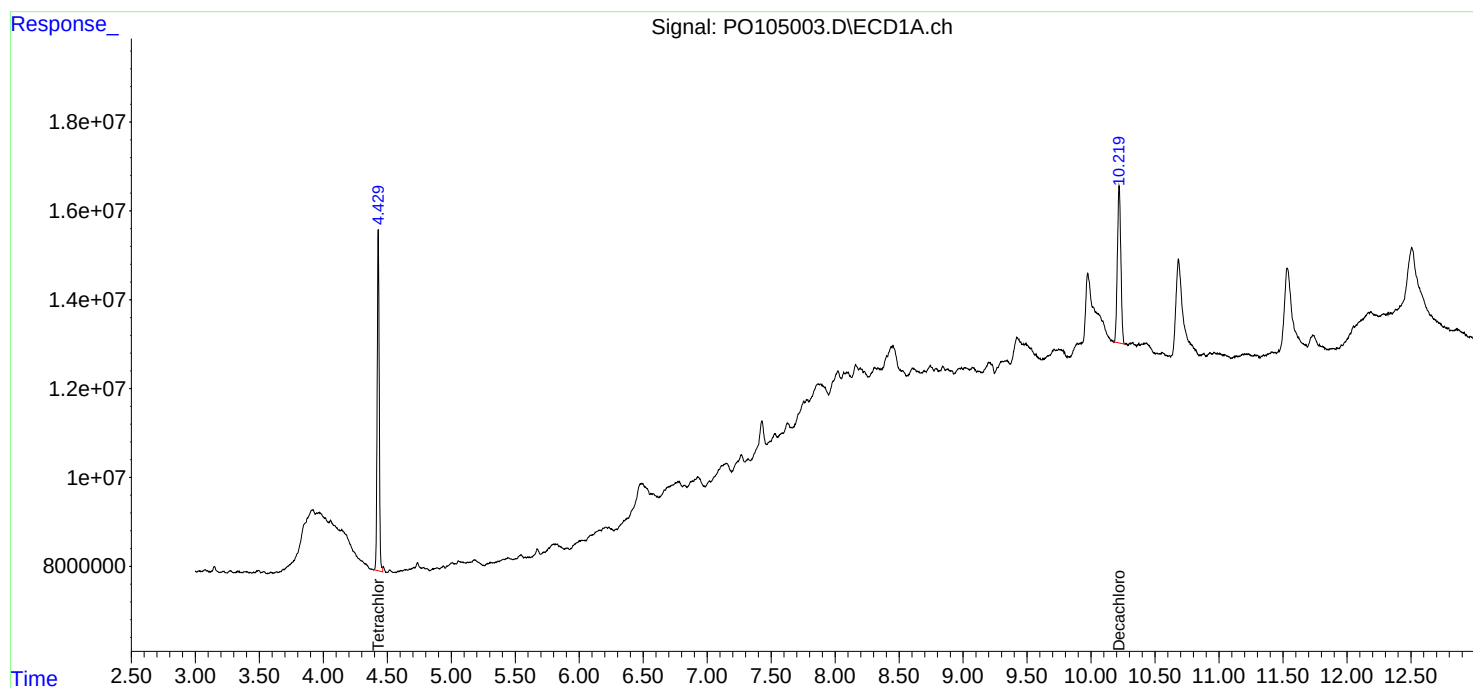
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO072924\
Data File : PO105003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2024 17:50
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 30 07:13:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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

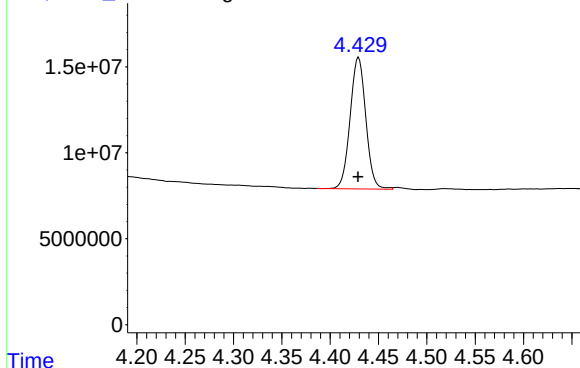


Response_ Signal: PO105003.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.429 min
Delta R.T.: 0.000 min
Response: 86179951
Conc: 12.52 ng/ml

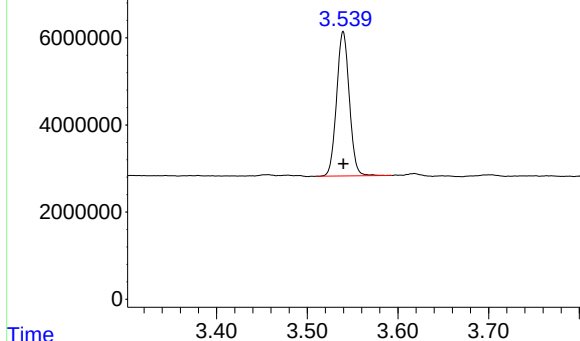
Instrument :
ECD_O
ClientSampleId :
I.BLK



Time Response_ Signal: PO105003.D\ECD2B.ch

#1 Tetrachloro-m-xylene

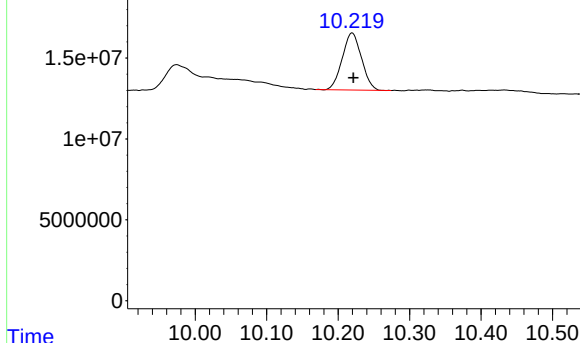
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 32256808
Conc: 12.66 ng/ml



Time Response_ Signal: PO105003.D\ECD1A.ch

#2 Decachlorobiphenyl

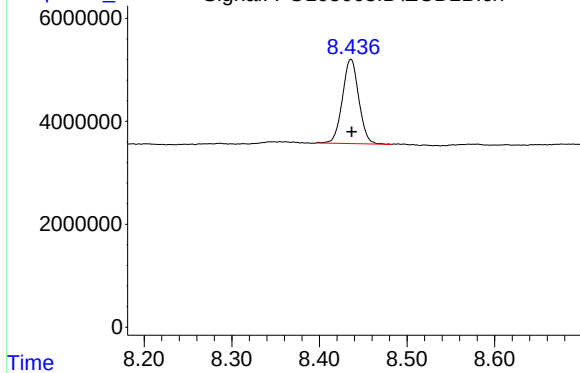
R.T.: 10.220 min
Delta R.T.: -0.002 min
Response: 66111652
Conc: 12.88 ng/ml



Time Response_ Signal: PO105003.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.436 min
Delta R.T.: 0.000 min
Response: 21197681
Conc: 13.34 ng/ml



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/06/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/06/24
Client Sample ID:	PIBLK-PO105227.D	SDG No.:	P3475
Lab Sample ID:	I.BLK-PO105227.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PO105227.D	1		08/06/24	PO080624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		70 (60) - 130 (140)	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		70 (60) - 130 (140)	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
 Data File : PO105227.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2024 13:47
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 06 14:19:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.430	3.539	152.3E6	57212477	22.125	22.453
2) SA Decachlor...	10.221	8.431	108.6E6	35103538	21.156	22.098

Target Compounds

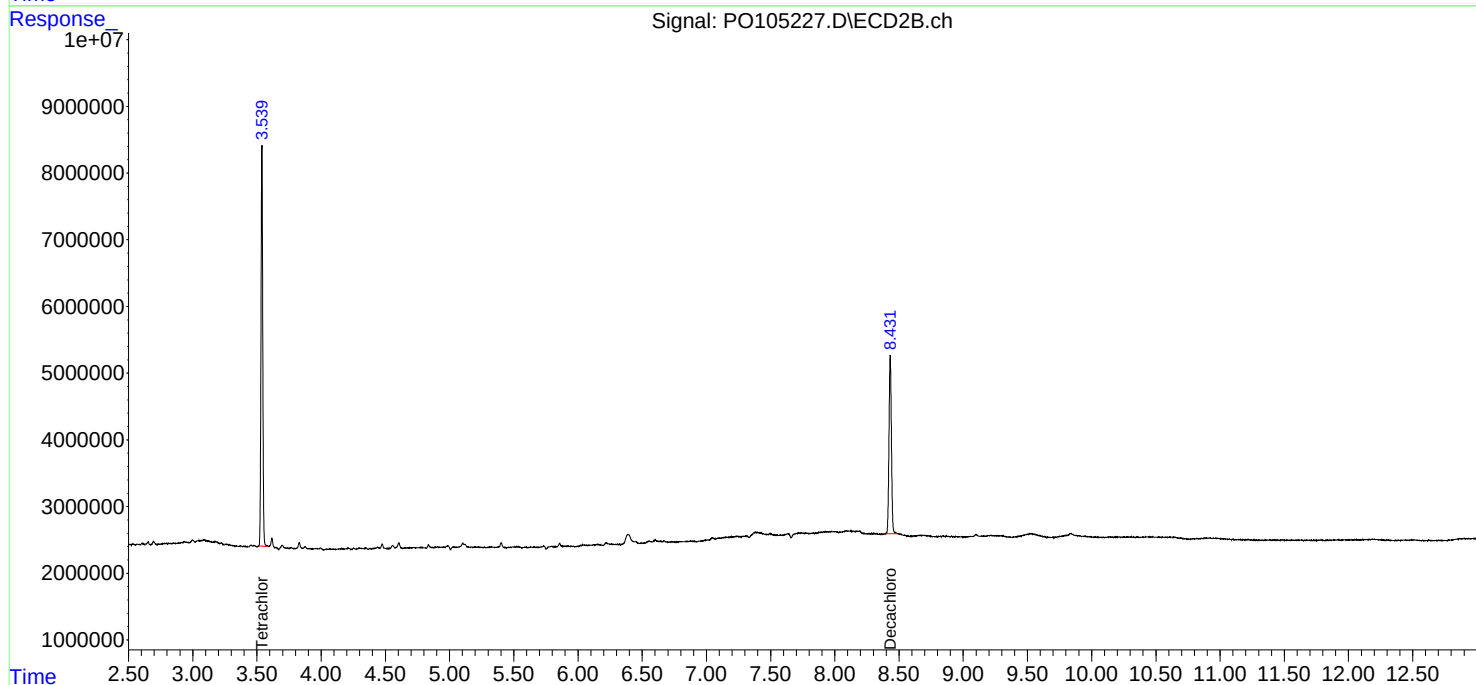
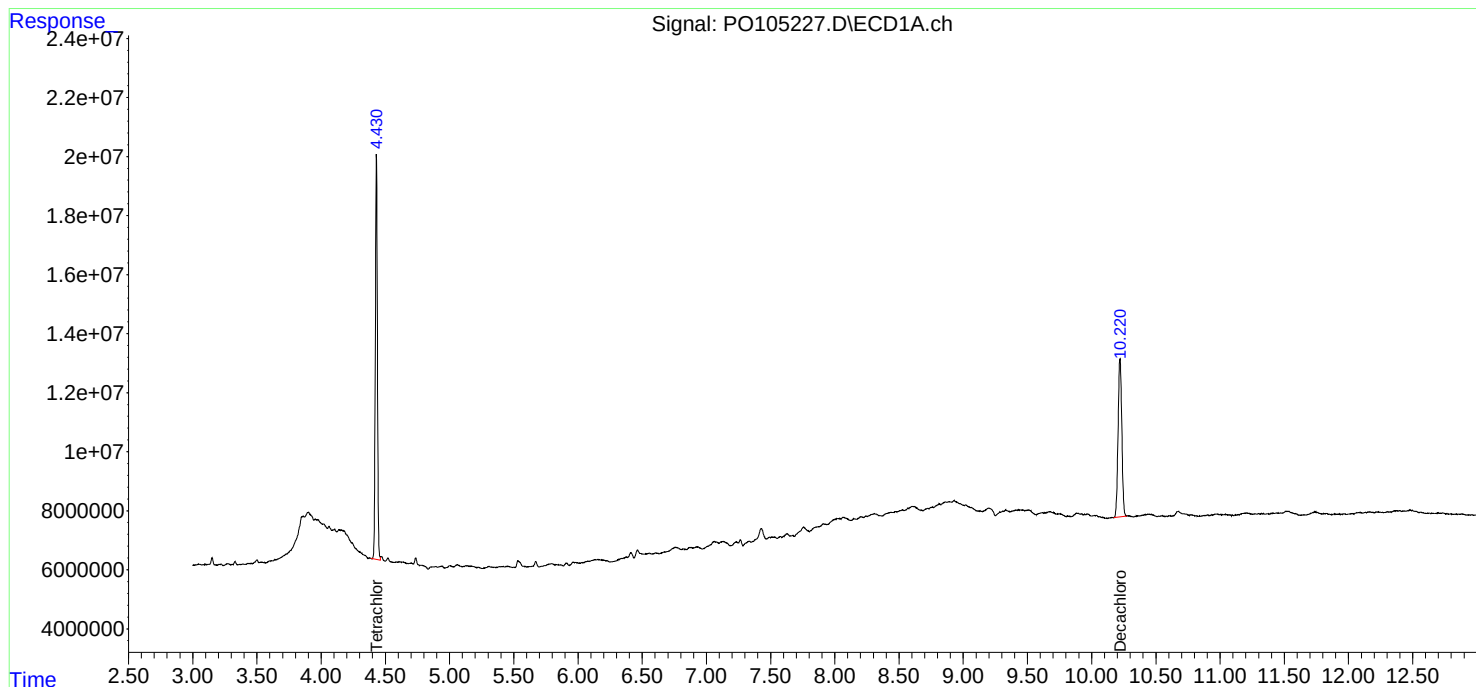
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

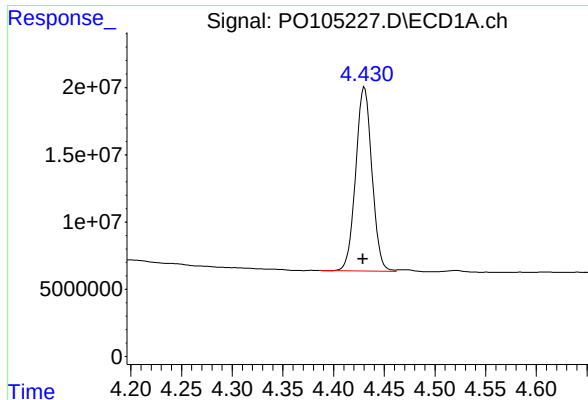
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
Data File : PO105227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2024 13:47
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 14:19:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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

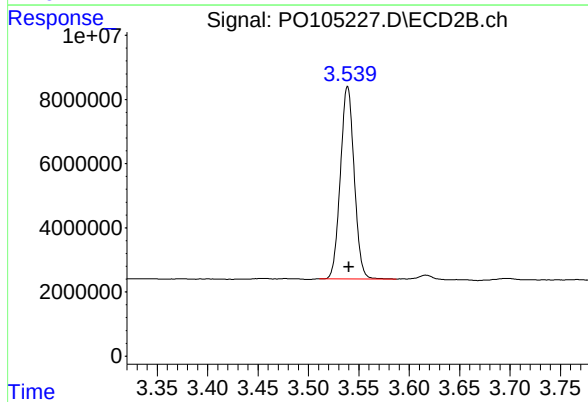




#1 Tetrachloro-m-xylene

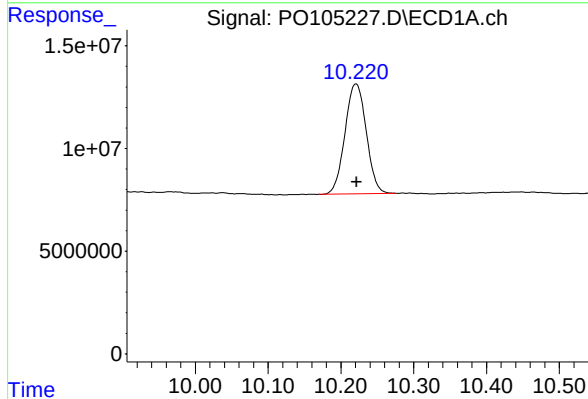
R.T.: 4.430 min
Delta R.T.: 0.001 min
Response: 152317587
Conc: 22.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



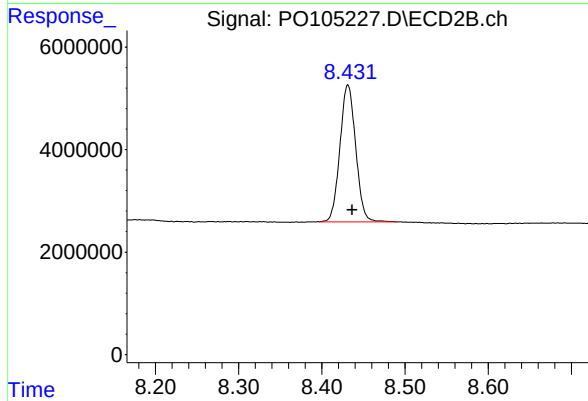
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.001 min
Response: 57212477
Conc: 22.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.221 min
Delta R.T.: 0.000 min
Response: 108613223
Conc: 21.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.431 min
Delta R.T.: -0.005 min
Response: 35103538
Conc: 22.10 ng/ml

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/06/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/06/24
Client Sample ID:	PIBLK-PO105242.D	SDG No.:	P3475
Lab Sample ID:	I.BLK-PO105242.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PO105242.D	1		08/06/24	PO080624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		70 (60) - 130 (140)	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		70 (60) - 130 (140)	109%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
 Data File : PO105242.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2024 19:46
 Operator : YP/AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 02:04:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.430	3.539	157.9E6	57746592	22.935	22.663
2) SA Decachlor...	10.221	8.431	111.9E6	36230188	21.789	22.807

Target Compounds

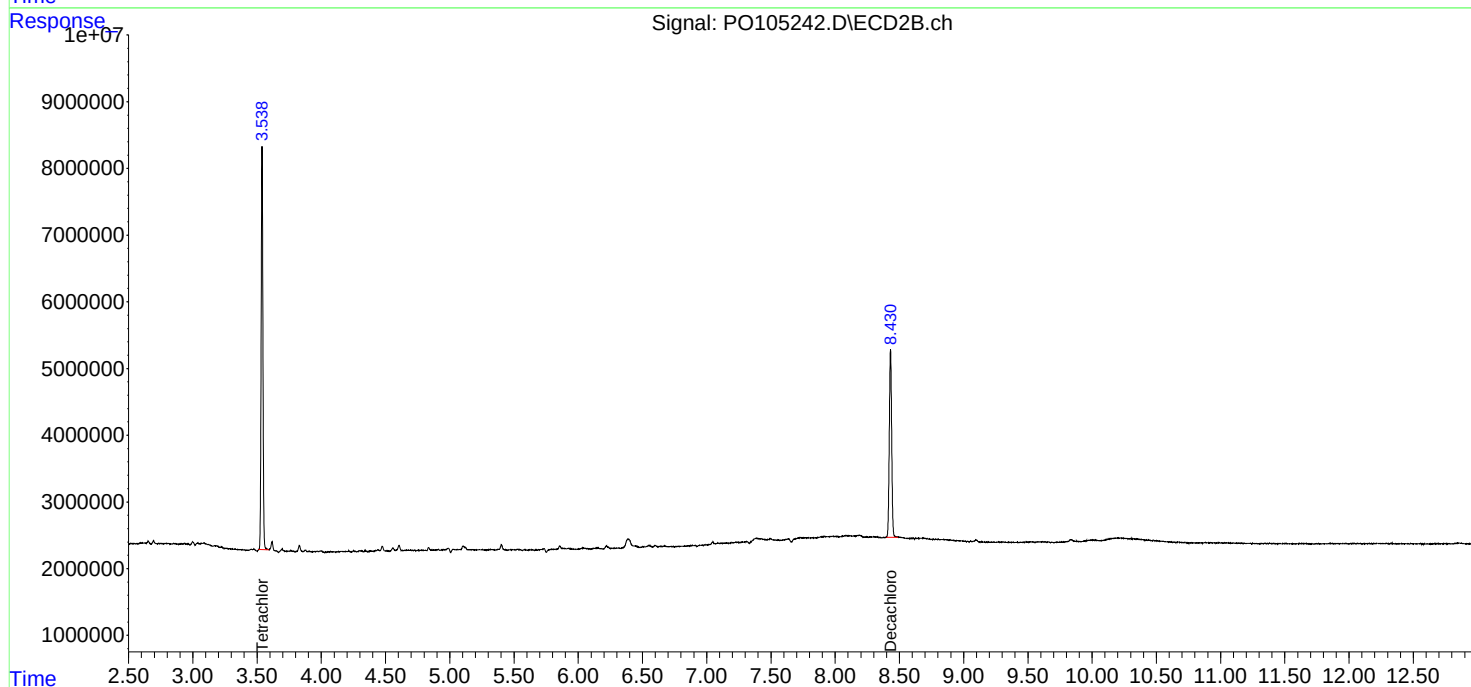
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

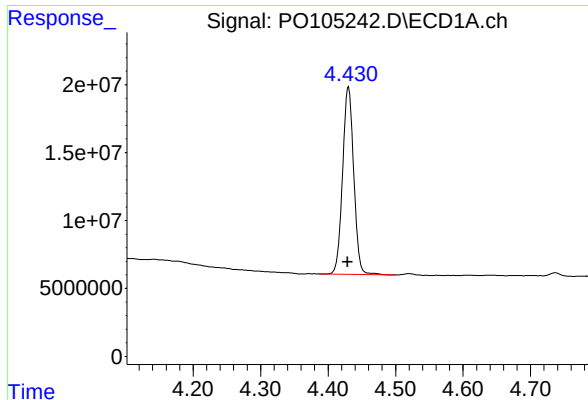
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
Data File : PO105242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2024 19:46
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 02:04:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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

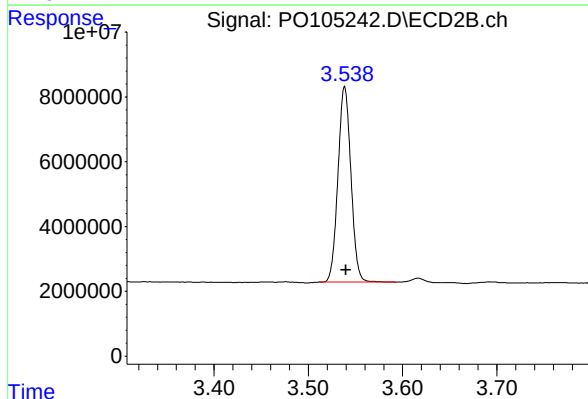




#1 Tetrachloro-m-xylene

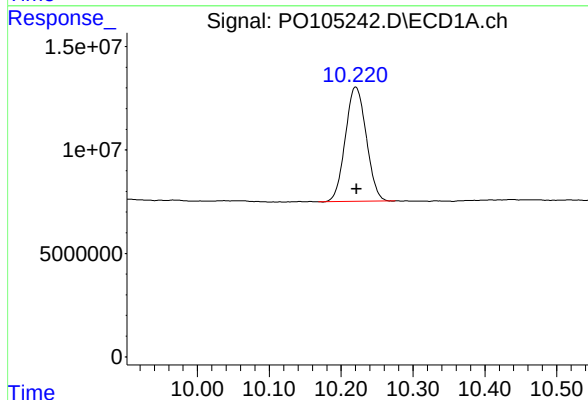
R.T.: 4.430 min
Delta R.T.: 0.001 min
Response: 157891937
Conc: 22.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



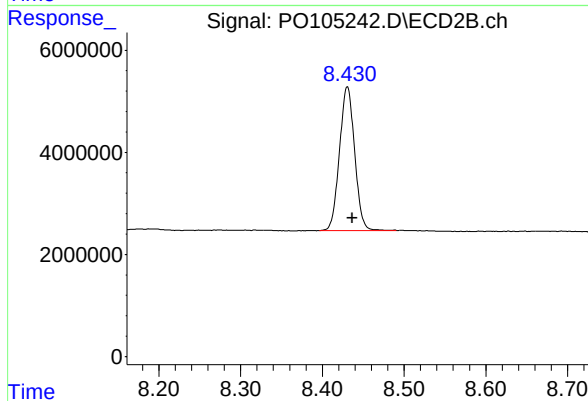
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.001 min
Response: 57746592
Conc: 22.66 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.221 min
Delta R.T.: 0.000 min
Response: 111861344
Conc: 21.79 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.431 min
Delta R.T.: -0.006 min
Response: 36230188
Conc: 22.81 ng/ml

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162521BS	SDG No.:	P3475
Lab Sample ID:	PB162521BS	Matrix:	SOIL
Analytical Method:	8082A	% 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
PO105229.D	1	08/06/24 08:40	08/06/24 15:31	PB162521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	193		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	169		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.3		30 (32) - 150 (144)	136%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.6		30 (32) - 150 (175)	123%	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_O\Data\PO080624\
 Data File : PO105229.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2024 15:31
 Operator : YP/AJ
 Sample : PB162521BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB162521BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 01:52:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.429	3.538	187.7E6	64175583	27.270	25.186
2) SA Decachlor...	10.223	8.430	126.4E6	38611392	24.621	24.306
Target Compounds						
3) L1 AR-1016-1	5.601	4.593	140.2E6	51786851	589.171	557.002
4) L1 AR-1016-2	5.624	4.611	196.8E6	71757373	585.492	557.560
5) L1 AR-1016-3	5.686	4.782	119.6E6	37646706	578.266	555.963
6) L1 AR-1016-4	5.786	4.824	99437874	30328203	547.705	563.938
7) L1 AR-1016-5	6.083	5.032	96923011	37838330	595.523	533.194
31) L7 AR-1260-1	7.218	6.048	168.4E6	73010068	530.236	536.061
32) L7 AR-1260-2	7.477	6.233	197.0E6	85122967	541.705	505.898
33) L7 AR-1260-3	7.839	6.384	117.5E6	80819132	458.436	479.195
34) L7 AR-1260-4	8.067	6.849	147.6E6	54929886	517.917	501.594
35) L7 AR-1260-5	8.390	7.089	271.8E6	130.2E6	486.216	509.510

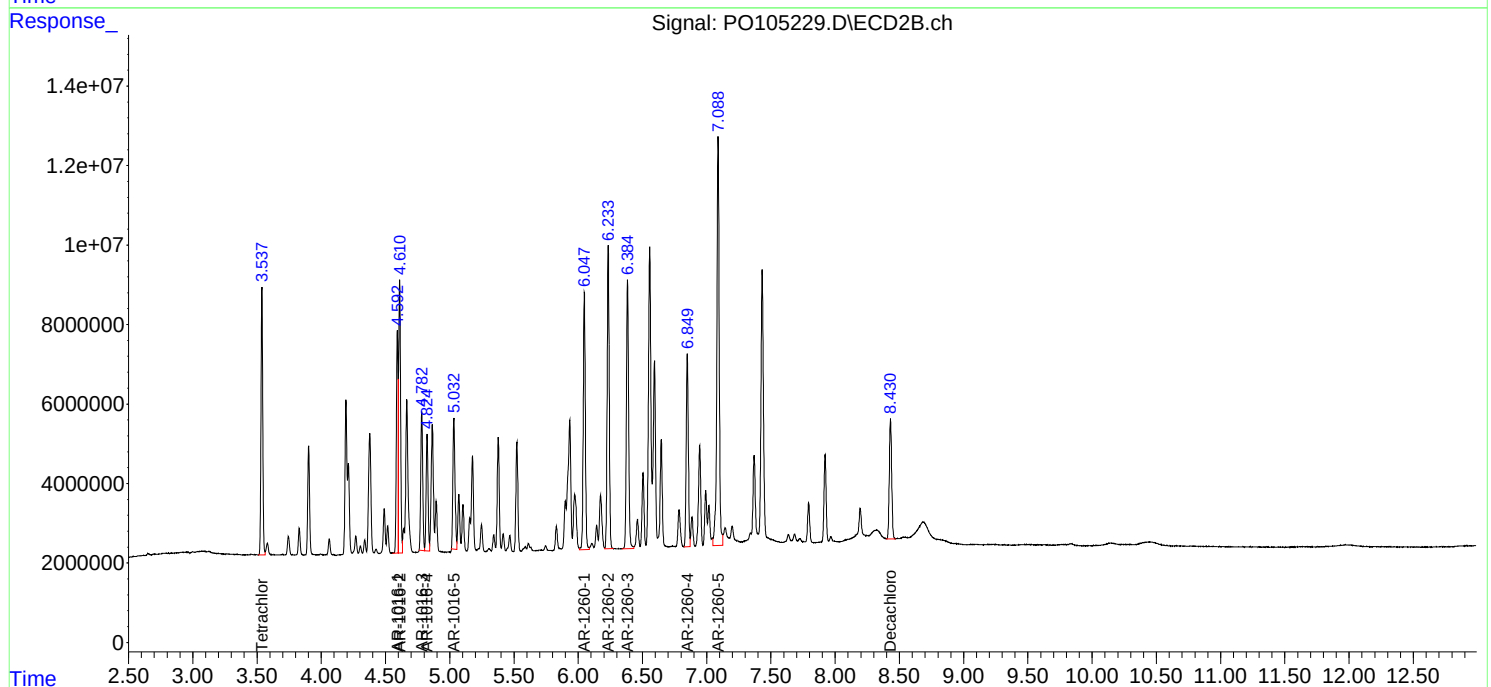
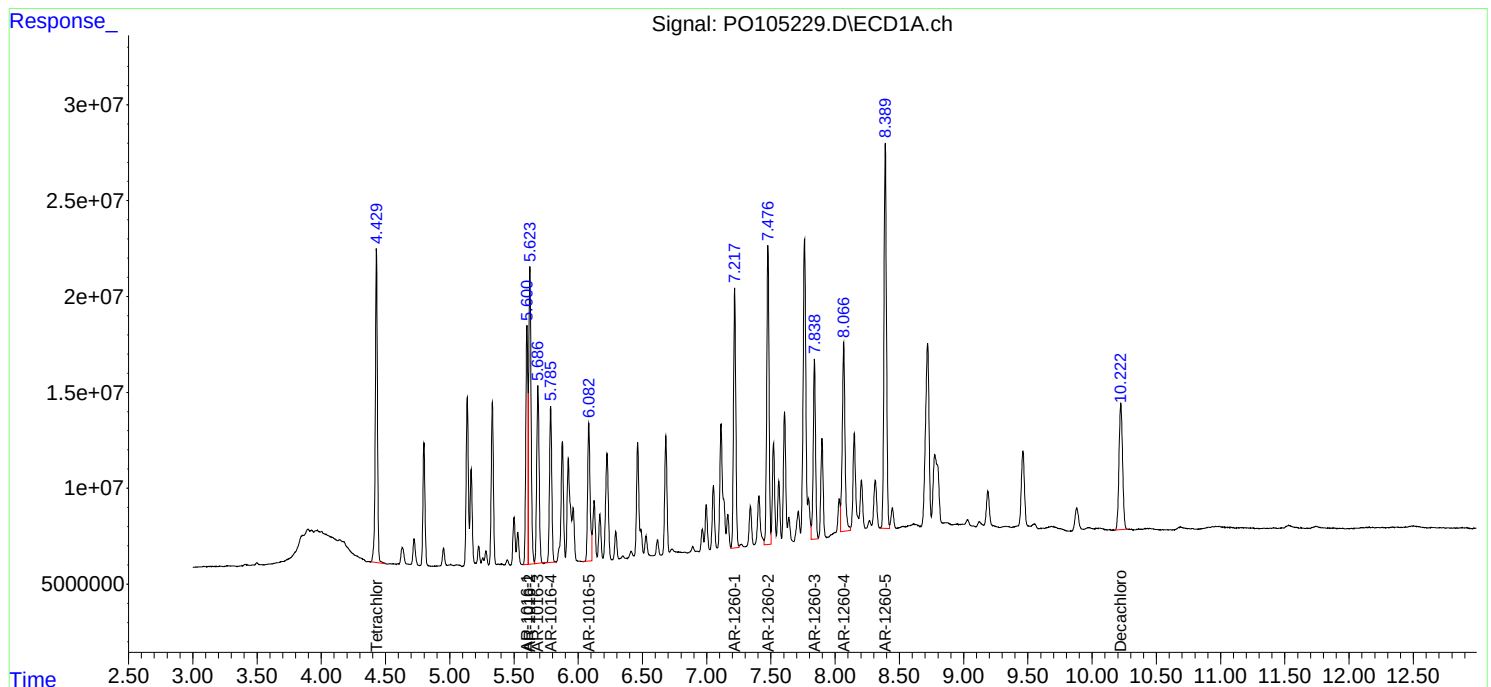
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

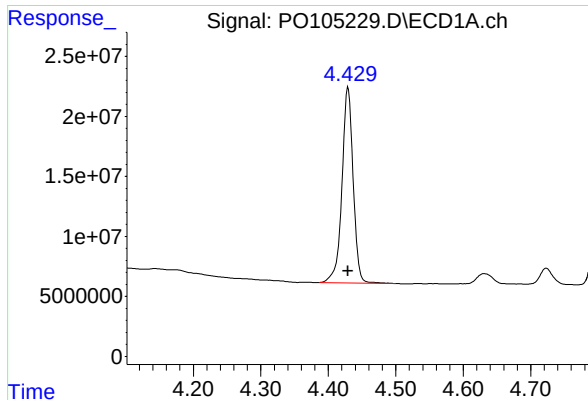
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
Data File : PO105229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2024 15:31
Operator : YP/AJ
Sample : PB162521BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB162521BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 01:52:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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

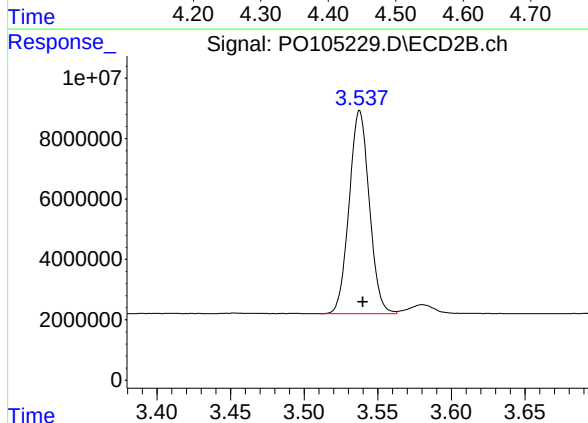




#1 Tetrachloro-m-xylene

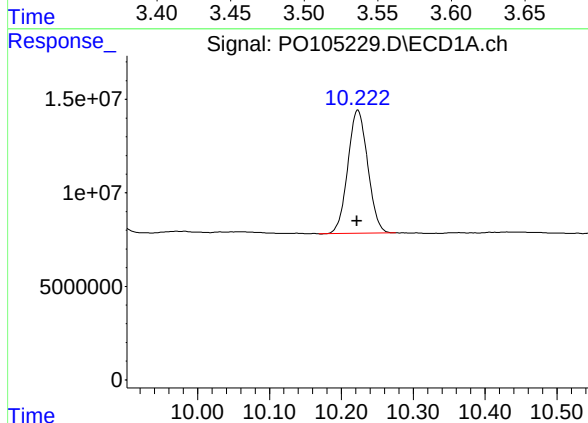
R.T.: 4.429 min
Delta R.T.: 0.000 min
Response: 187733908
Conc: 27.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB162521BS



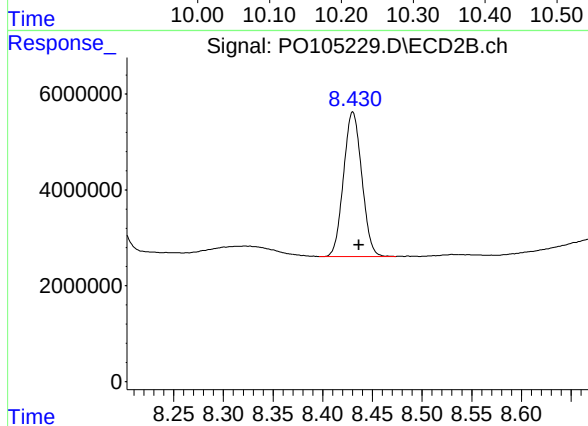
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 64175583
Conc: 25.19 ng/ml



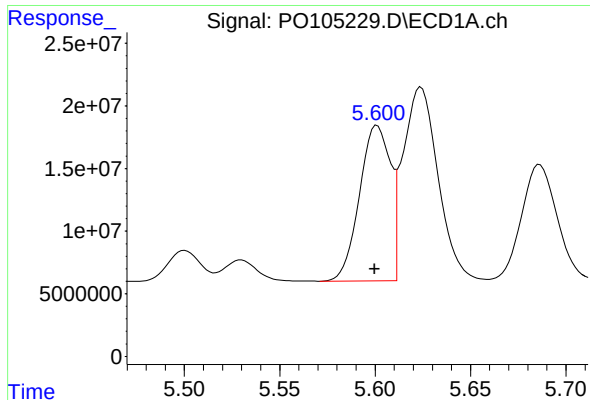
#2 Decachlorobiphenyl

R.T.: 10.223 min
Delta R.T.: 0.002 min
Response: 126402340
Conc: 24.62 ng/ml



#2 Decachlorobiphenyl

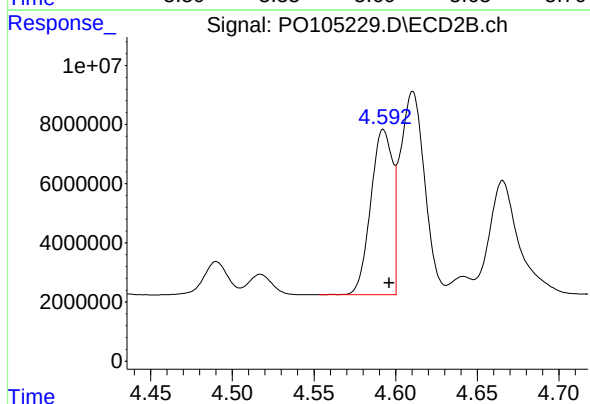
R.T.: 8.430 min
Delta R.T.: -0.006 min
Response: 38611392
Conc: 24.31 ng/ml



#3 AR-1016-1

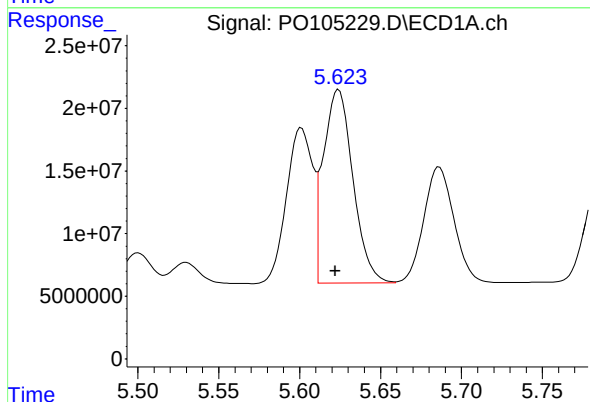
R.T.: 5.601 min
Delta R.T.: 0.001 min
Response: 140202551
Conc: 589.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB162521BS



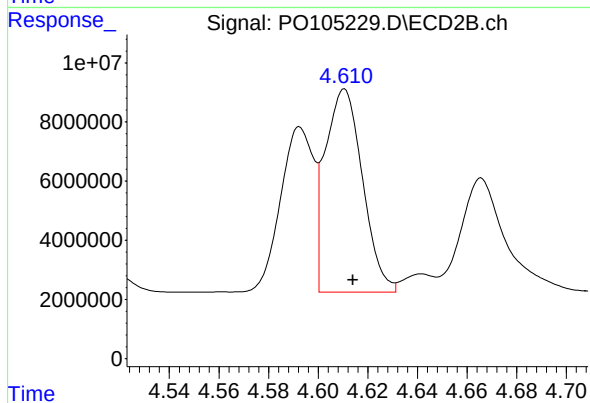
#3 AR-1016-1

R.T.: 4.593 min
Delta R.T.: -0.004 min
Response: 51786851
Conc: 557.00 ng/ml



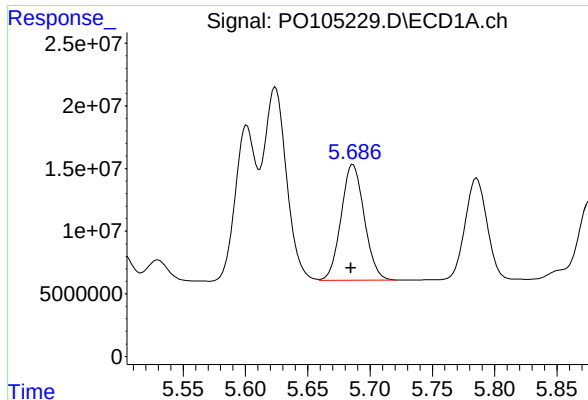
#4 AR-1016-2

R.T.: 5.624 min
Delta R.T.: 0.002 min
Response: 196835328
Conc: 585.49 ng/ml



#4 AR-1016-2

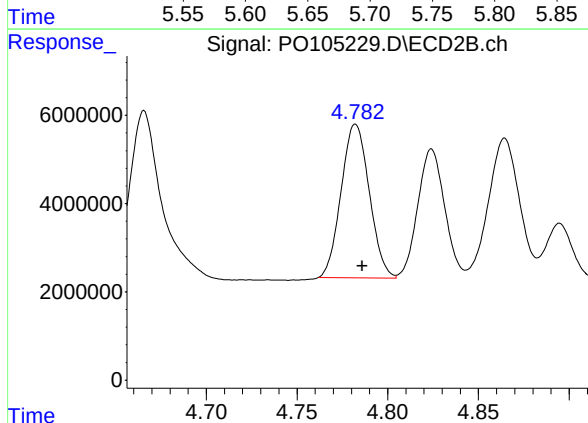
R.T.: 4.611 min
Delta R.T.: -0.004 min
Response: 71757373
Conc: 557.56 ng/ml



#5 AR-1016-3

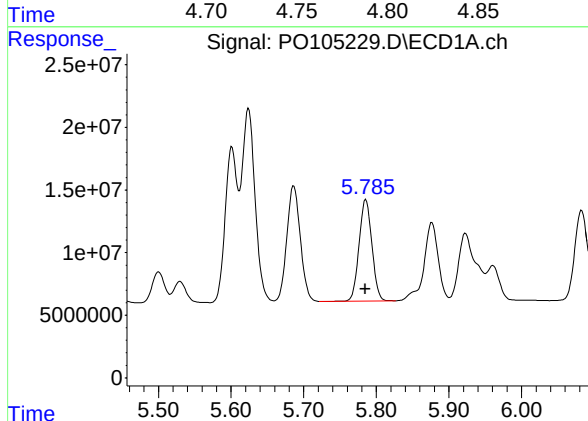
R.T.: 5.686 min
Delta R.T.: 0.001 min
Response: 119622772
Conc: 578.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB162521BS



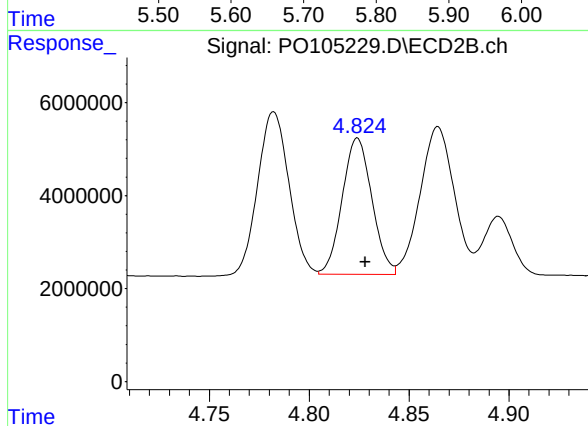
#5 AR-1016-3

R.T.: 4.782 min
Delta R.T.: -0.004 min
Response: 37646706
Conc: 555.96 ng/ml



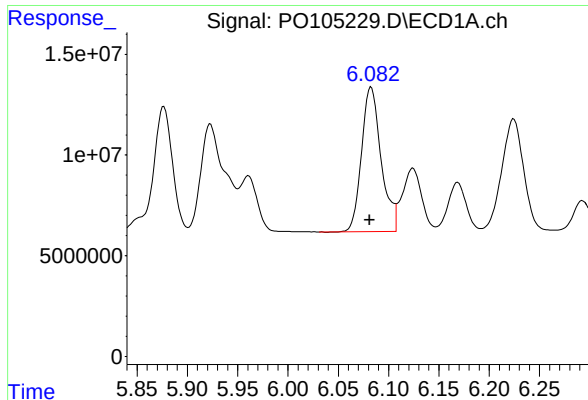
#6 AR-1016-4

R.T.: 5.786 min
Delta R.T.: 0.001 min
Response: 99437874
Conc: 547.71 ng/ml



#6 AR-1016-4

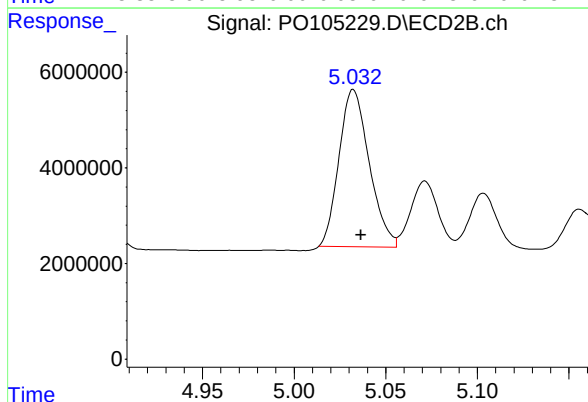
R.T.: 4.824 min
Delta R.T.: -0.004 min
Response: 30328203
Conc: 563.94 ng/ml



#7 AR-1016-5

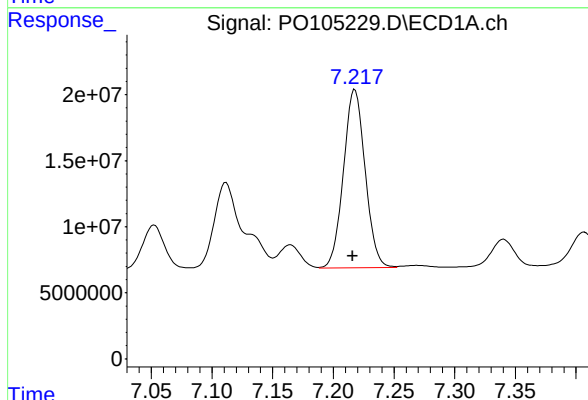
R.T.: 6.083 min
Delta R.T.: 0.002 min
Response: 96923011
Conc: 595.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB162521BS



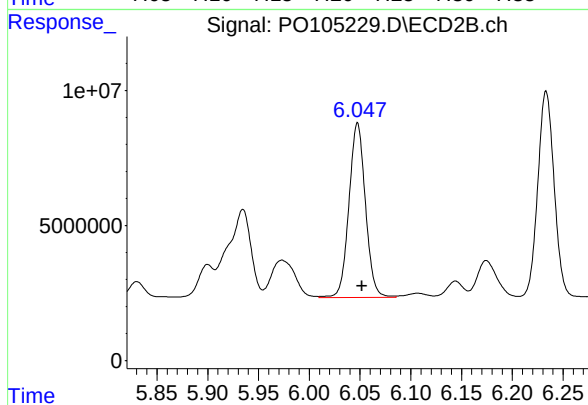
#7 AR-1016-5

R.T.: 5.032 min
Delta R.T.: -0.004 min
Response: 37838330
Conc: 533.19 ng/ml



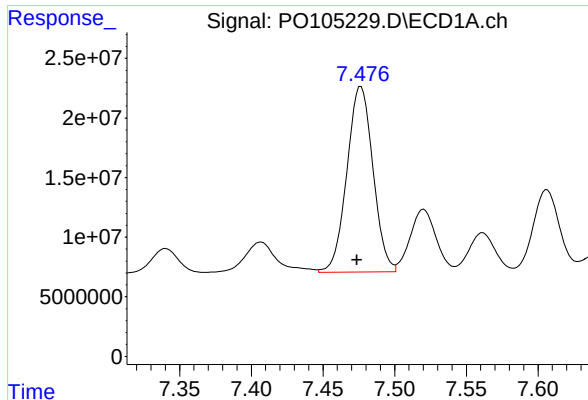
#31 AR-1260-1

R.T.: 7.218 min
Delta R.T.: 0.002 min
Response: 168360273
Conc: 530.24 ng/ml



#31 AR-1260-1

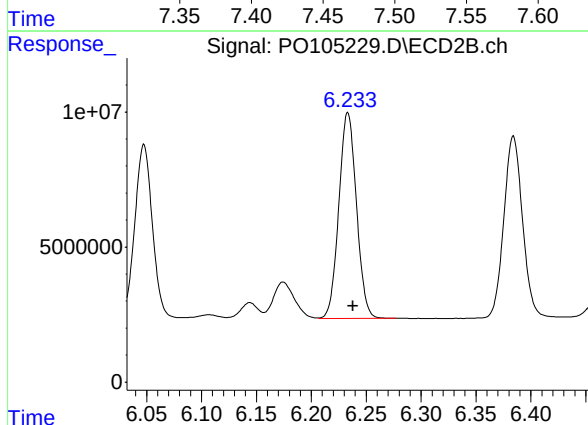
R.T.: 6.048 min
Delta R.T.: -0.004 min
Response: 73010068
Conc: 536.06 ng/ml



#32 AR-1260-2

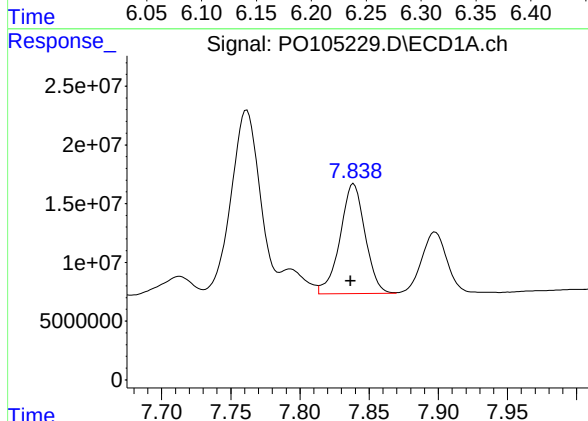
R.T.: 7.477 min
Delta R.T.: 0.003 min
Response: 19700645
Conc: 541.71 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB162521BS



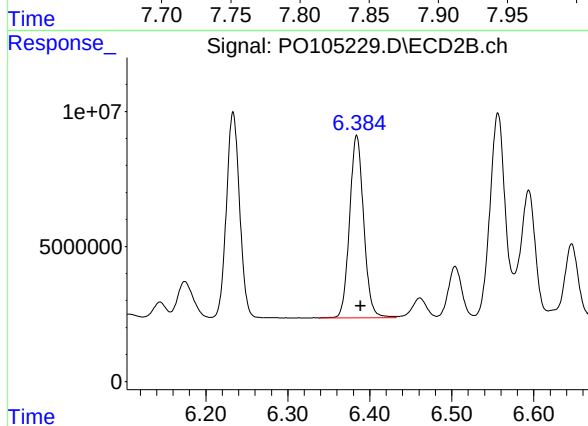
#32 AR-1260-2

R.T.: 6.233 min
Delta R.T.: -0.005 min
Response: 85122967
Conc: 505.90 ng/ml



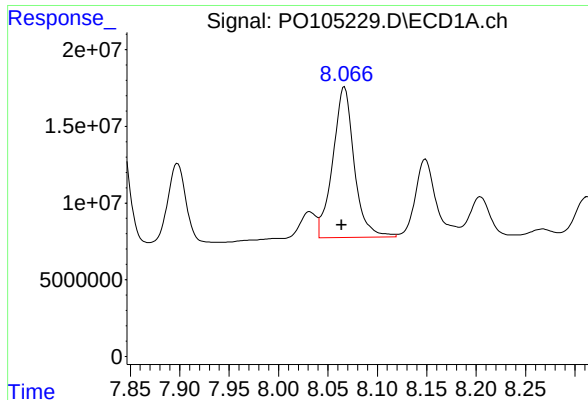
#33 AR-1260-3

R.T.: 7.839 min
Delta R.T.: 0.002 min
Response: 117546148
Conc: 458.44 ng/ml



#33 AR-1260-3

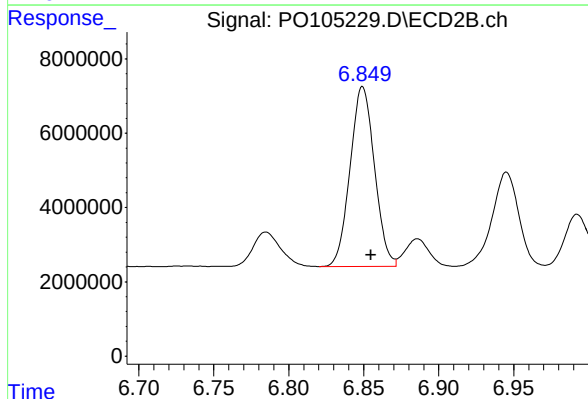
R.T.: 6.384 min
Delta R.T.: -0.005 min
Response: 80819132
Conc: 479.19 ng/ml



#34 AR-1260-4

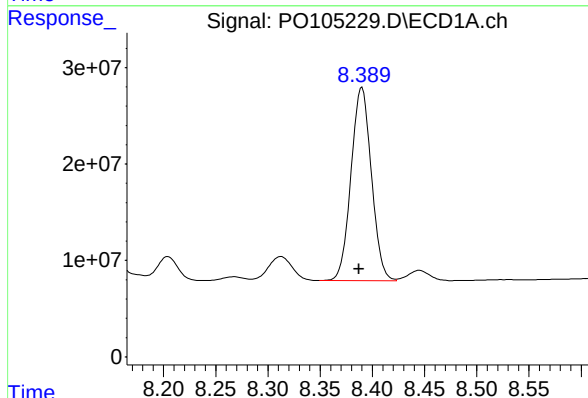
R.T.: 8.067 min
Delta R.T.: 0.002 min
Response: 147647322
Conc: 517.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB162521BS



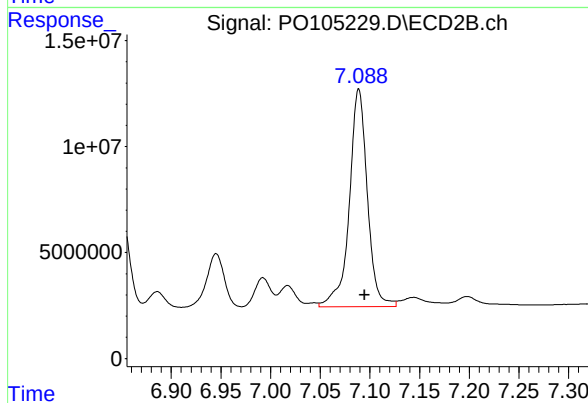
#34 AR-1260-4

R.T.: 6.849 min
Delta R.T.: -0.006 min
Response: 54929886
Conc: 501.59 ng/ml



#35 AR-1260-5

R.T.: 8.390 min
Delta R.T.: 0.003 min
Response: 271772344
Conc: 486.22 ng/ml



#35 AR-1260-5

R.T.: 7.089 min
Delta R.T.: -0.006 min
Response: 130239385
Conc: 509.51 ng/ml

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-SO-1.0-1.5-080524MS	SDG No.:	P3475
Lab Sample ID:	P3475-03MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO105236.D	1	08/06/24 08:40	08/06/24 17:33	PB162521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	203		4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	186		3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		30 (32) - 150 (144)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		30 (32) - 150 (175)	79%	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_O\Data\P0080624\
 Data File : P0105236.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2024 17:33
 Operator : YP/AJ
 Sample : P3475-03MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 S-866-N-SO-1.0-1.5-080524MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 01:59:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.430	3.539	149.4E6	52596919	21.702	20.642
2) SA Decachlor...	10.222	8.430	77555513	25079656	15.106	15.788
Target Compounds						
3) L1 AR-1016-1	5.601	4.594	125.9E6	49550190	528.955	532.945
4) L1 AR-1016-2	5.623	4.611	176.0E6	67859059	523.656	527.270
5) L1 AR-1016-3	5.686	4.783	107.7E6	35142991	520.484	518.988
6) L1 AR-1016-4	5.785	4.825	90265437	27843910	497.184	517.744
7) L1 AR-1016-5	6.082	5.033	87527214	34407507	537.792	484.849
31) L7 AR-1260-1	7.218	6.048	165.9E6	72319769	522.414	530.993
32) L7 AR-1260-2	7.475	6.234	191.5E6	79026560	526.502	469.666
33) L7 AR-1260-3	7.838	6.385	112.8E6	75665249	440.075	448.636
34) L7 AR-1260-4	8.066	6.850	136.0E6	52398258	477.051	478.476
35) L7 AR-1260-5	8.388	7.090	240.0E6	114.0E6	429.343	445.921

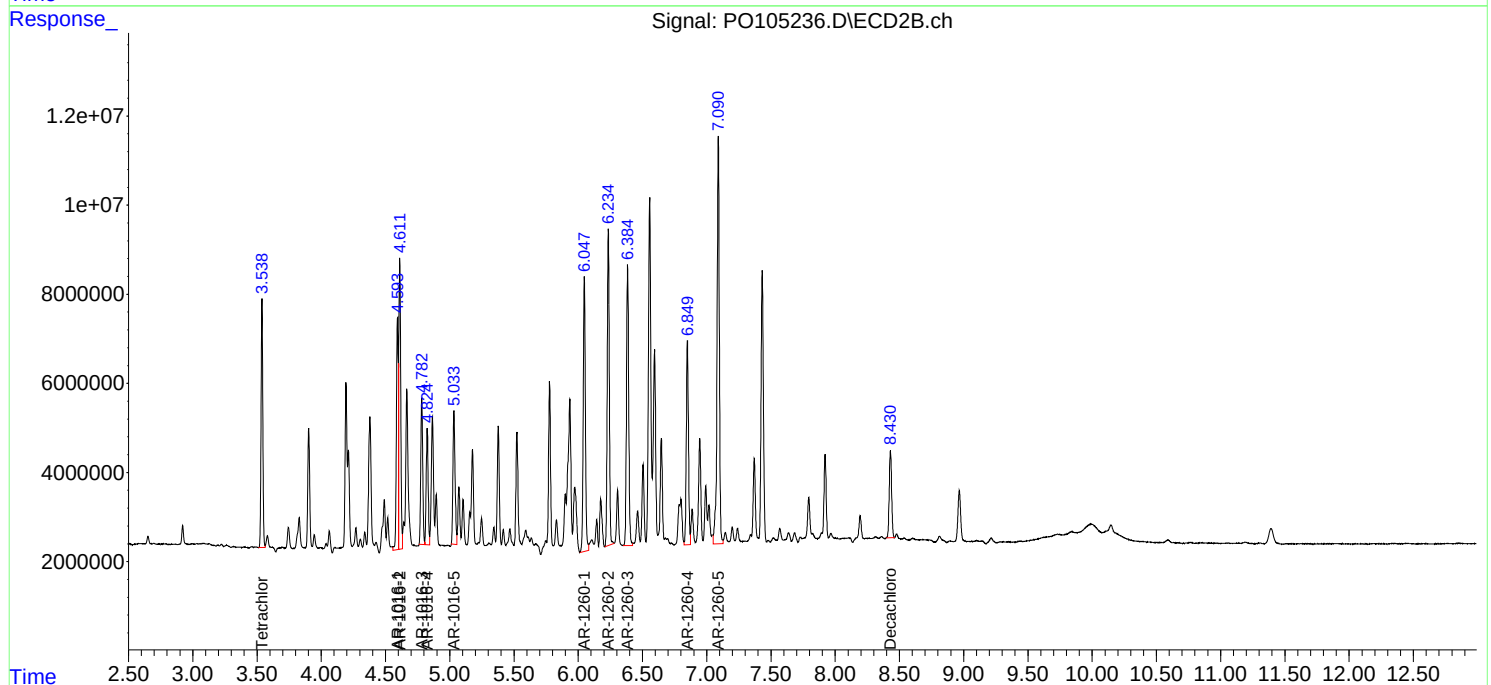
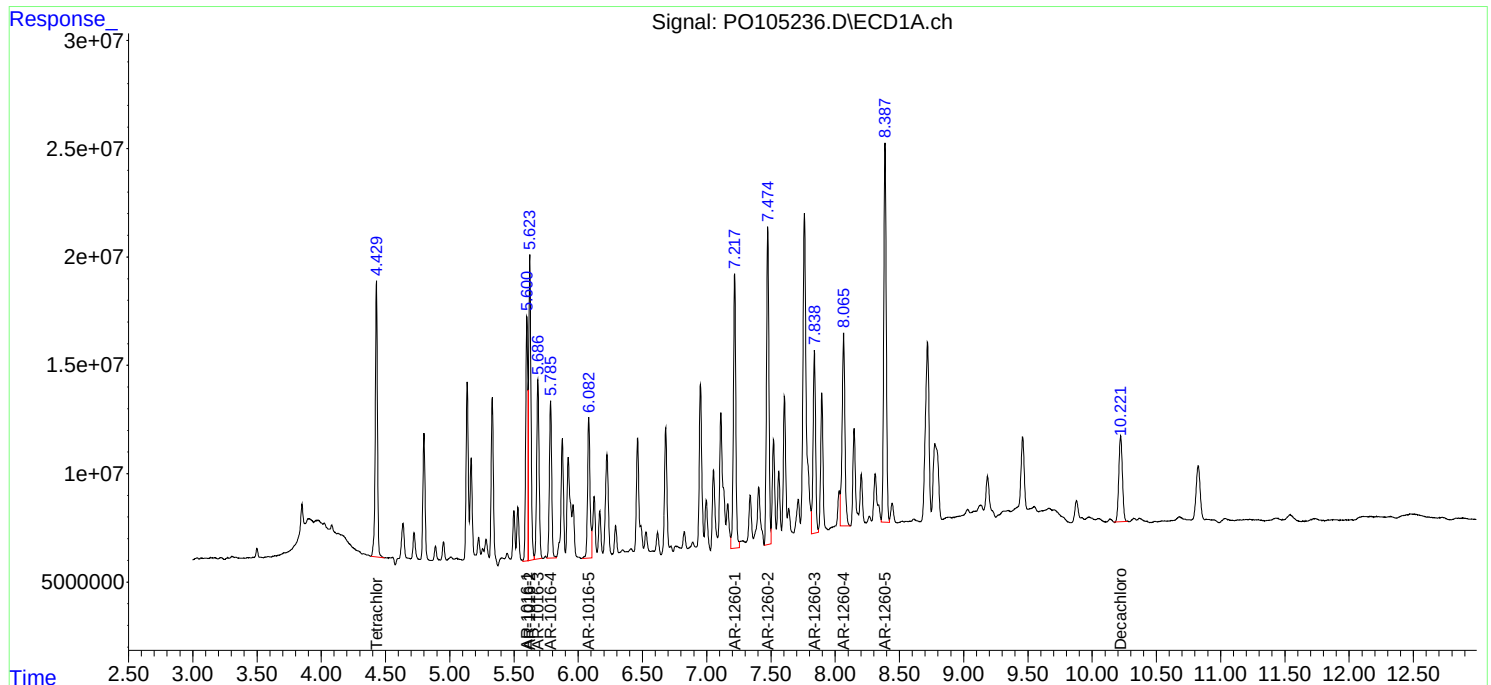
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

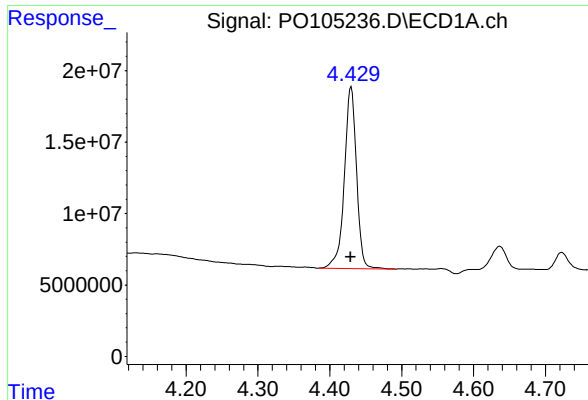
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
Data File : PO105236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2024 17:33
Operator : YP/AJ
Sample : P3475-03MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 01:59:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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

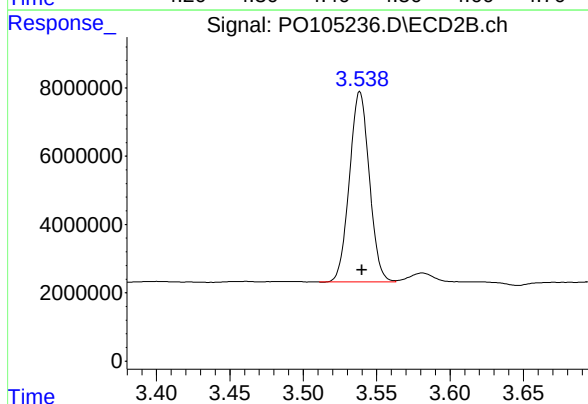




#1 Tetrachloro-m-xylene

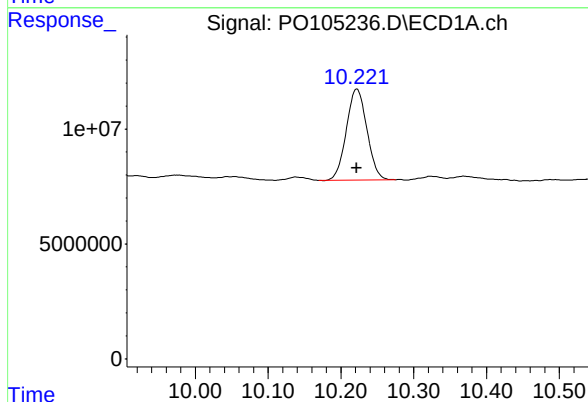
R.T.: 4.430 min
Delta R.T.: 0.000 min
Response: 149405976
Conc: 21.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MS



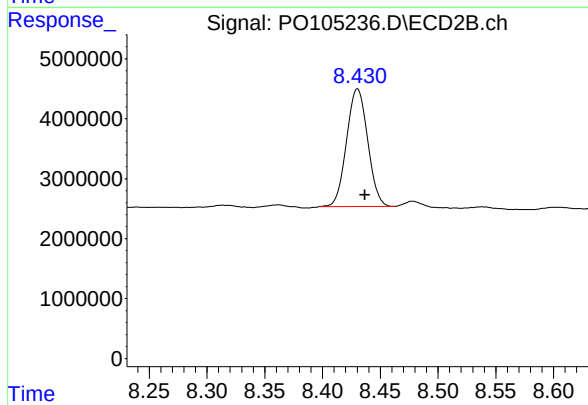
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.001 min
Response: 52596919
Conc: 20.64 ng/ml



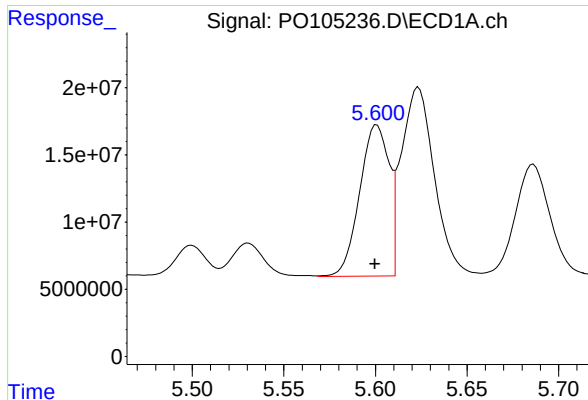
#2 Decachlorobiphenyl

R.T.: 10.222 min
Delta R.T.: 0.000 min
Response: 77555513
Conc: 15.11 ng/ml



#2 Decachlorobiphenyl

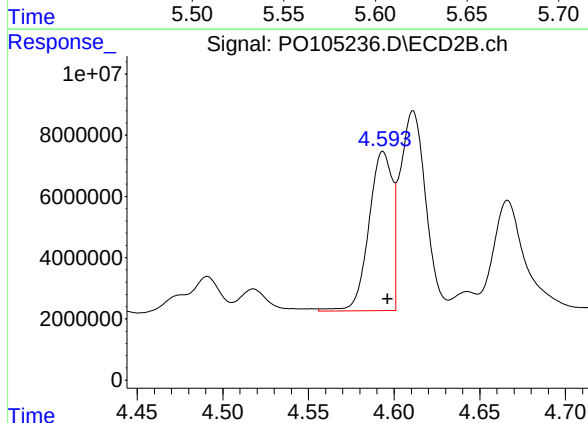
R.T.: 8.430 min
Delta R.T.: -0.006 min
Response: 25079656
Conc: 15.79 ng/ml



#3 AR-1016-1

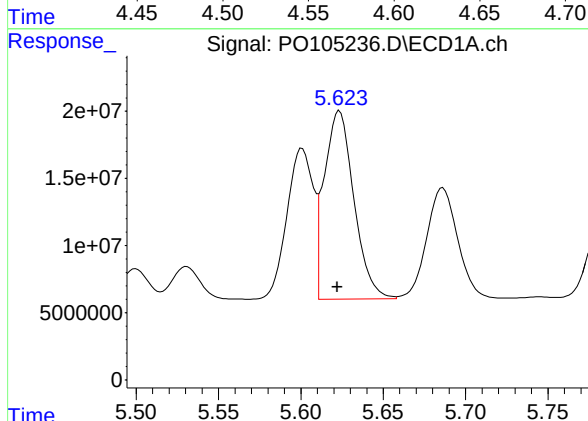
R.T.: 5.601 min
Delta R.T.: 0.000 min
Response: 125873187
Conc: 528.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MS



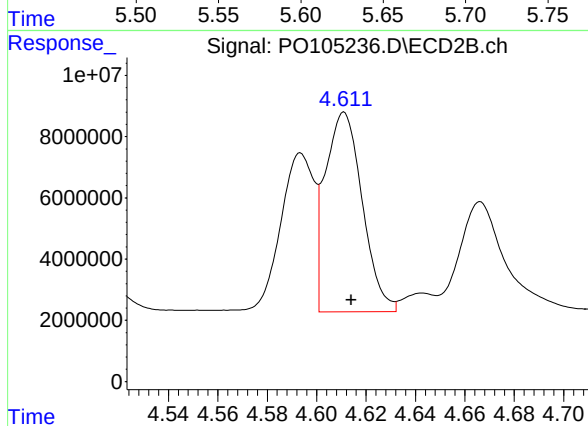
#3 AR-1016-1

R.T.: 4.594 min
Delta R.T.: -0.003 min
Response: 49550190
Conc: 532.94 ng/ml



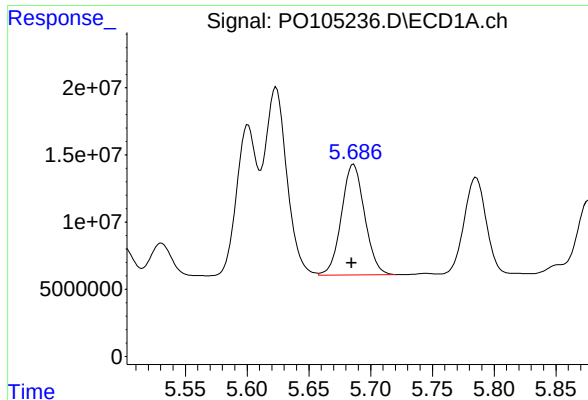
#4 AR-1016-2

R.T.: 5.623 min
Delta R.T.: 0.001 min
Response: 176046832
Conc: 523.66 ng/ml



#4 AR-1016-2

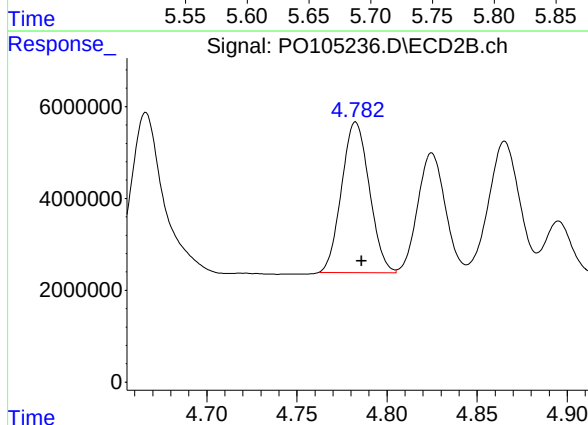
R.T.: 4.611 min
Delta R.T.: -0.003 min
Response: 67859059
Conc: 527.27 ng/ml



#5 AR-1016-3

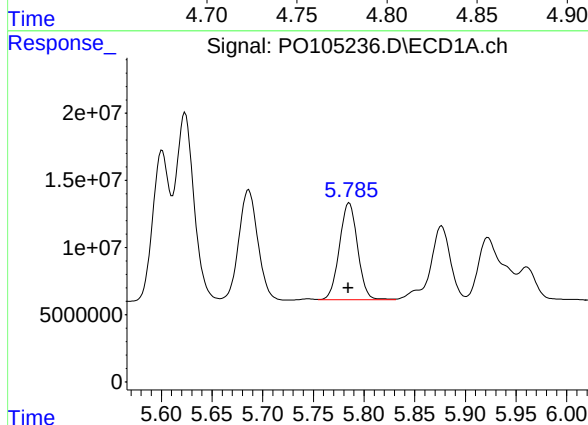
R.T.: 5.686 min
Delta R.T.: 0.001 min
Response: 107669668
Conc: 520.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MS



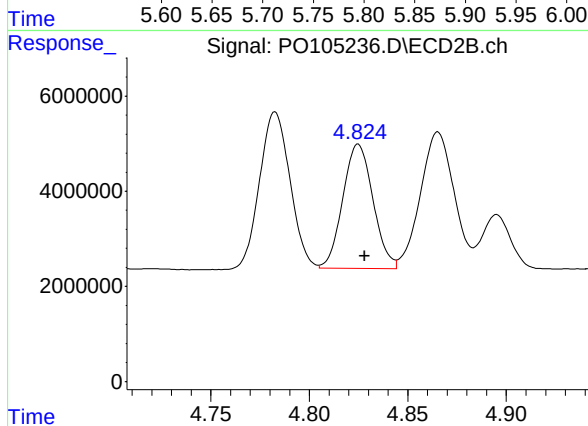
#5 AR-1016-3

R.T.: 4.783 min
Delta R.T.: -0.003 min
Response: 35142991
Conc: 518.99 ng/ml



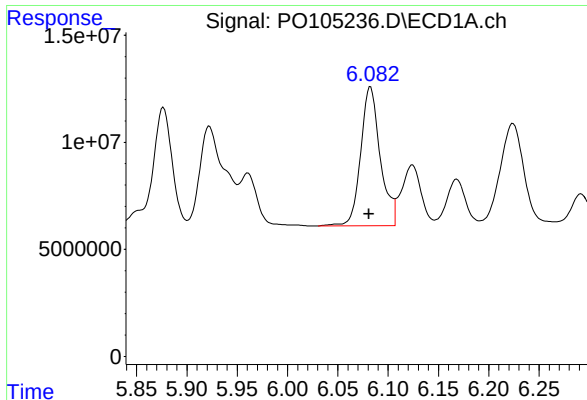
#6 AR-1016-4

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 90265437
Conc: 497.18 ng/ml



#6 AR-1016-4

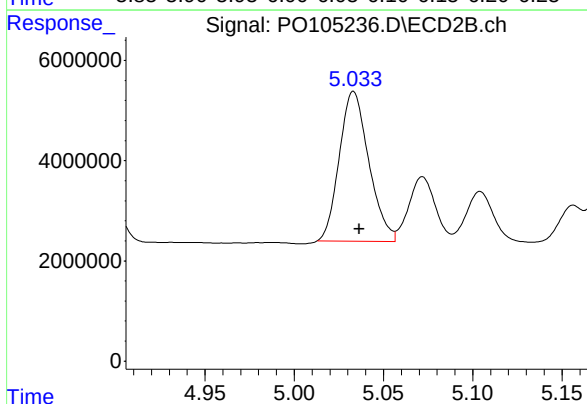
R.T.: 4.825 min
Delta R.T.: -0.003 min
Response: 27843910
Conc: 517.74 ng/ml



#7 AR-1016-5

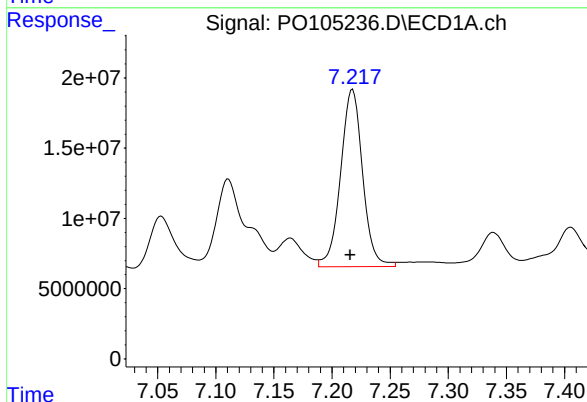
R.T.: 6.082 min
Delta R.T.: 0.001 min
Response: 87527214
Conc: 537.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MS



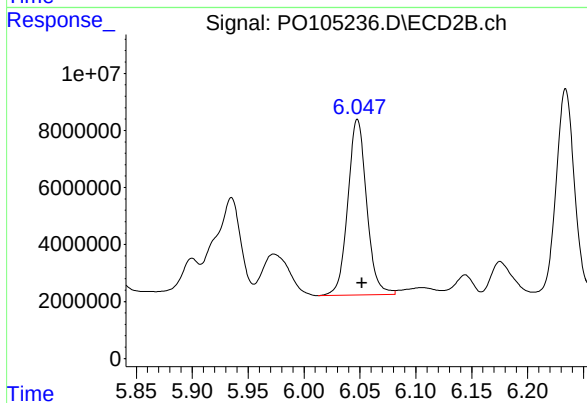
#7 AR-1016-5

R.T.: 5.033 min
Delta R.T.: -0.003 min
Response: 34407507
Conc: 484.85 ng/ml



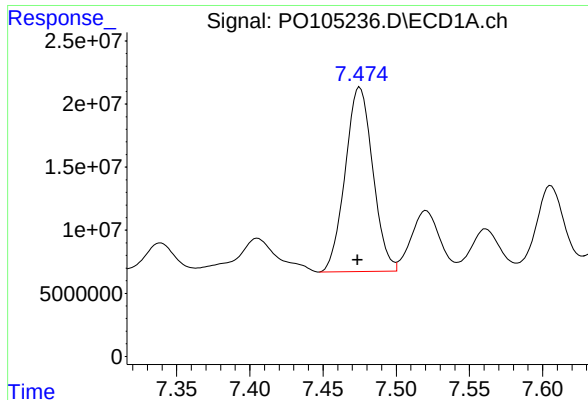
#31 AR-1260-1

R.T.: 7.218 min
Delta R.T.: 0.002 min
Response: 165876866
Conc: 522.41 ng/ml



#31 AR-1260-1

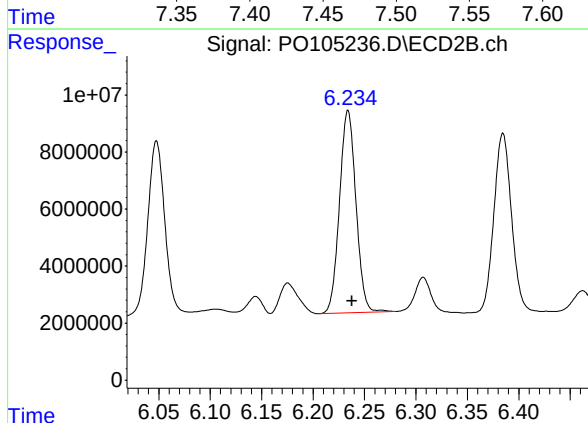
R.T.: 6.048 min
Delta R.T.: -0.004 min
Response: 72319769
Conc: 530.99 ng/ml



#32 AR-1260-2

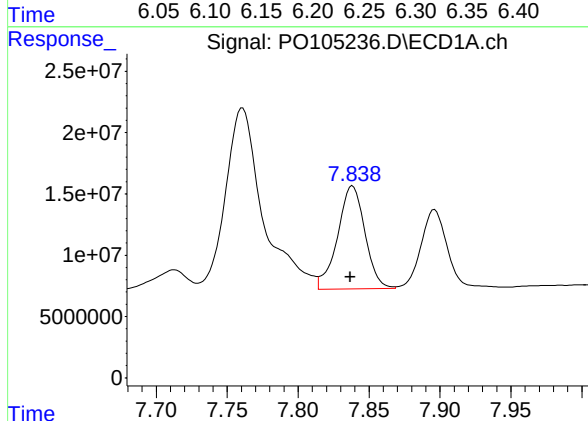
R.T.: 7.475 min
Delta R.T.: 0.001 min
Response: 191471553
Conc: 526.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MS



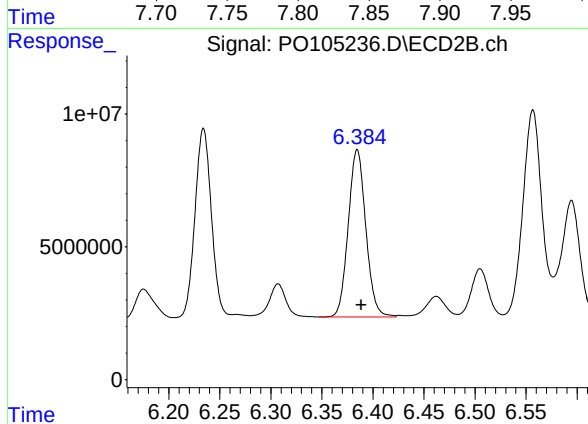
#32 AR-1260-2

R.T.: 6.234 min
Delta R.T.: -0.004 min
Response: 79026560
Conc: 469.67 ng/ml



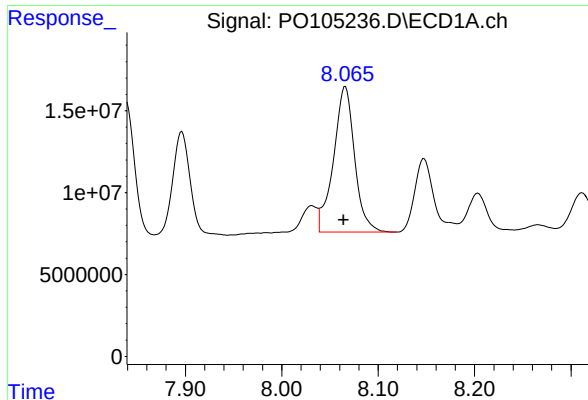
#33 AR-1260-3

R.T.: 7.838 min
Delta R.T.: 0.002 min
Response: 112838236
Conc: 440.07 ng/ml



#33 AR-1260-3

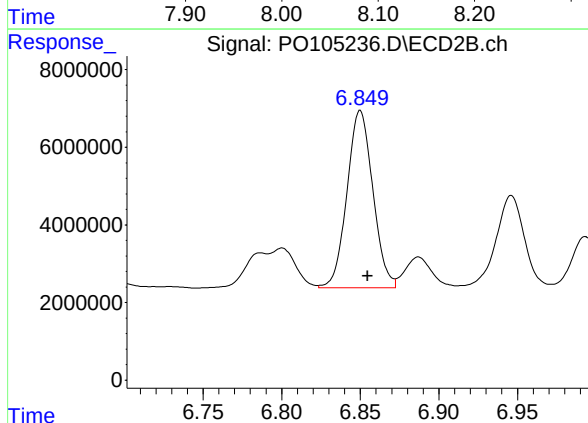
R.T.: 6.385 min
Delta R.T.: -0.004 min
Response: 75665249
Conc: 448.64 ng/ml



#34 AR-1260-4

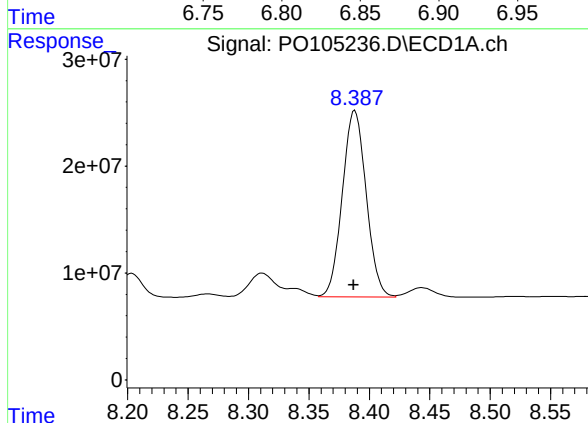
R.T.: 8.066 min
Delta R.T.: 0.002 min
Response: 135997214
Conc: 477.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MS



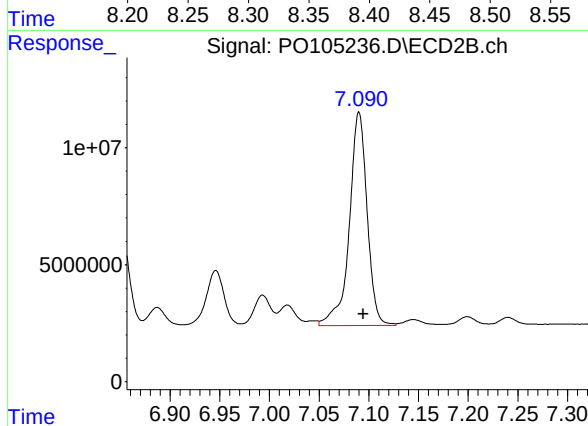
#34 AR-1260-4

R.T.: 6.850 min
Delta R.T.: -0.005 min
Response: 52398258
Conc: 478.48 ng/ml



#35 AR-1260-5

R.T.: 8.388 min
Delta R.T.: 0.000 min
Response: 239982990
Conc: 429.34 ng/ml



#35 AR-1260-5

R.T.: 7.090 min
Delta R.T.: -0.004 min
Response: 113985125
Conc: 445.92 ng/ml

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-SO-1.0-1.5-080524MSD	SDG No.:	P3475
Lab Sample ID:	P3475-04MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.7
Sample Wt/Vol:	30.07 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
PO105237.D	1	08/06/24 08:40	08/06/24 17:50	PB162521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	201		4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	185		3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		30 (32) - 150 (144)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		30 (32) - 150 (175)	79%	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_O\Data\PO080624\
 Data File : PO105237.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2024 17:50
 Operator : YP/AJ
 Sample : P3475-04MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 S-866-N-SO-1.0-1.5-080524MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 02:00:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 30 07:11:20 2024
 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...	4.430	3.539	149.4E6	52526504	21.705	20.614
2) SA Decachlor...	10.222	8.430	78554564	25021049	15.301	15.751
Target Compounds						
3) L1 AR-1016-1	5.601	4.594	125.4E6	50461285	526.935	542.744
4) L1 AR-1016-2	5.624	4.611	174.1E6	66839477	517.869	519.348
5) L1 AR-1016-3	5.686	4.783	106.7E6	35140501	515.819	518.951
6) L1 AR-1016-4	5.786	4.825	89164822	27797178	491.121	516.875
7) L1 AR-1016-5	6.082	5.033	87701812	34283034	538.865	483.095
31) L7 AR-1260-1	7.218	6.049	166.3E6	72152524	523.612	529.765
32) L7 AR-1260-2	7.475	6.235	189.0E6	78949210	519.680	469.206
33) L7 AR-1260-3	7.838	6.385	113.9E6	75615114	444.084	448.339
34) L7 AR-1260-4	8.065	6.850	133.5E6	51959537	468.218	474.470
35) L7 AR-1260-5	8.389	7.090	237.7E6	113.7E6	425.283	444.939

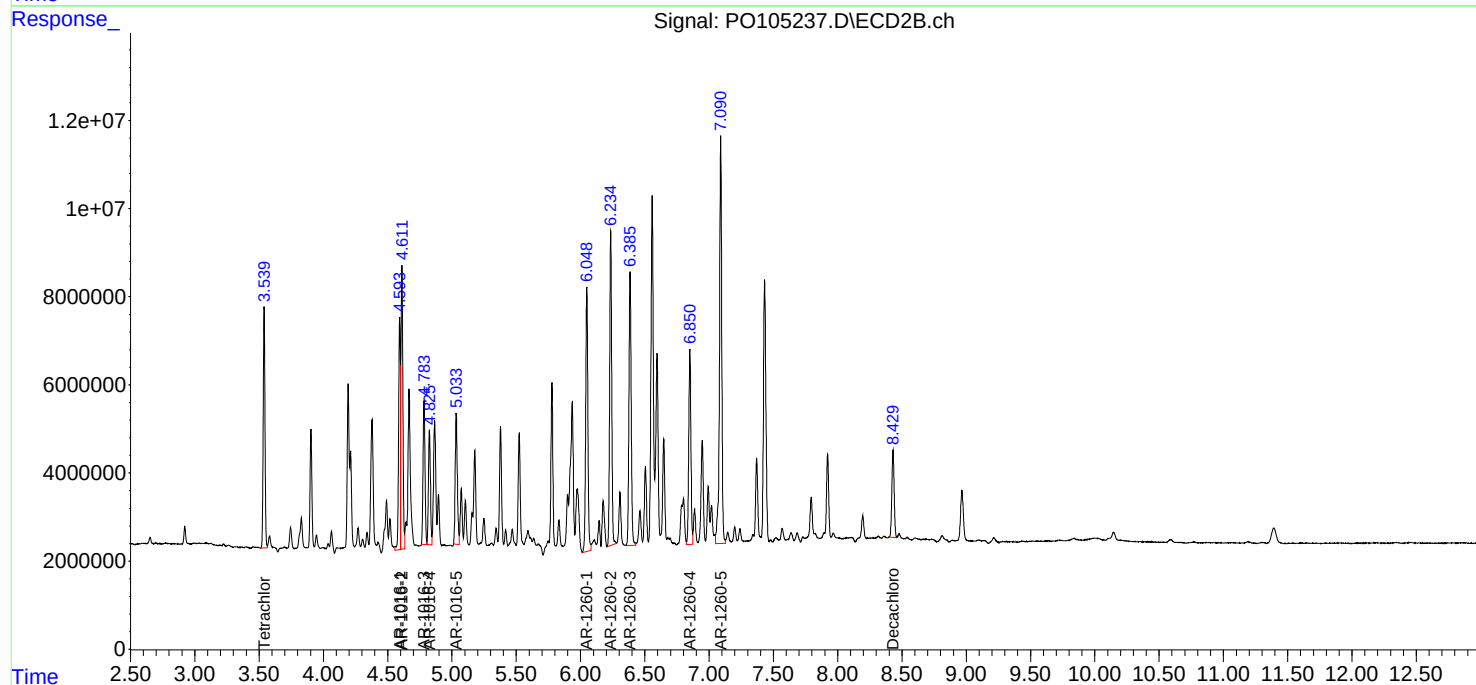
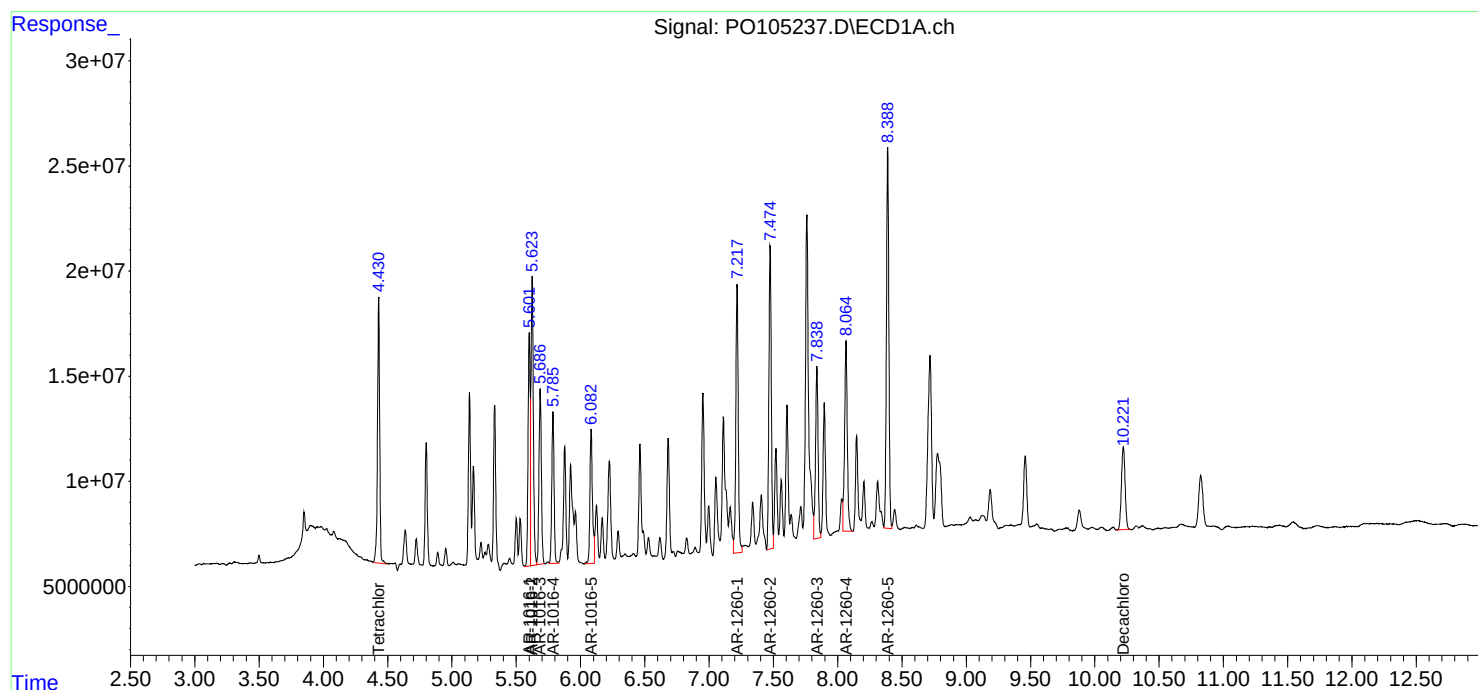
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

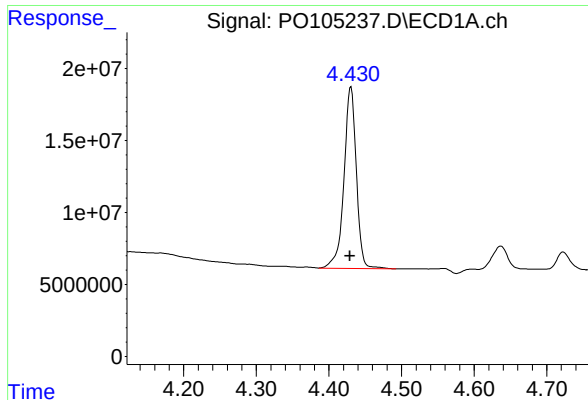
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO080624\
Data File : PO105237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2024 17:50
Operator : YP/AJ
Sample : P3475-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 02:00:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072924.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 30 07:11:20 2024
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

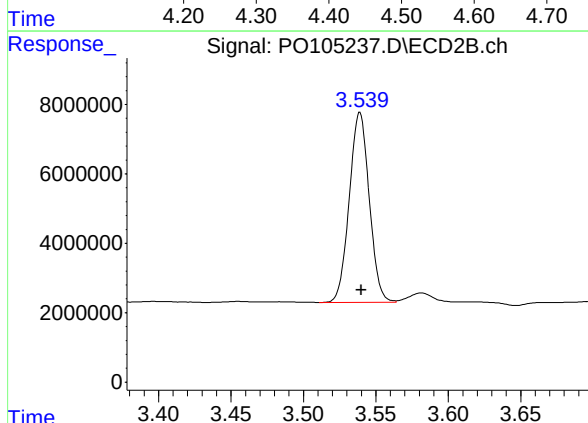
R.T.: 4.430 min
Delta R.T.: 0.001 min
Response: 149424526
Conc: 21.71 ng/ml

Instrument :

ECD_O

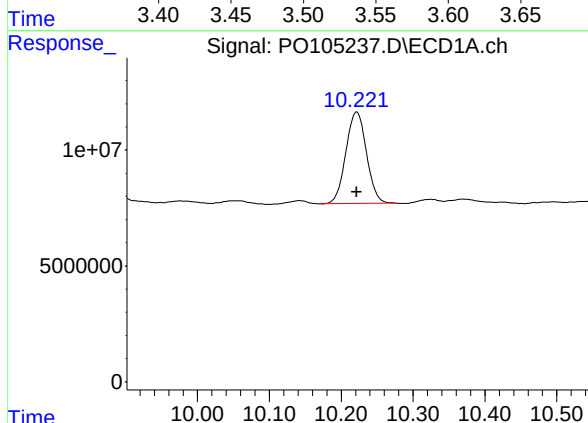
ClientSampleId :

S-866-N-SO-1.0-1.5-080524MSD



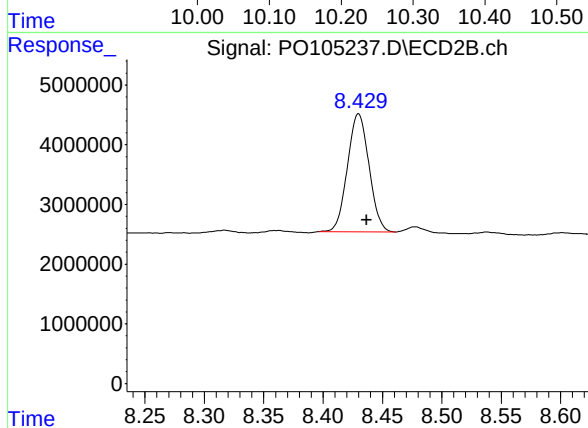
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.001 min
Response: 52526504
Conc: 20.61 ng/ml



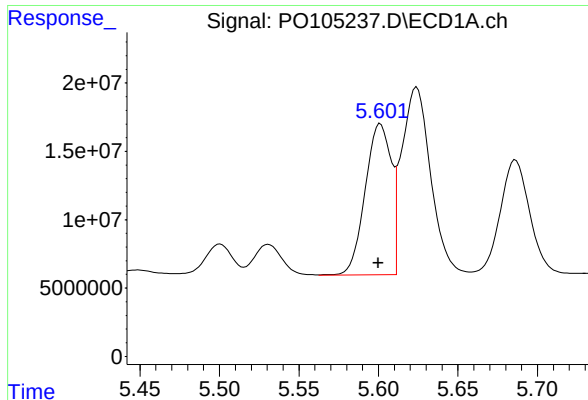
#2 Decachlorobiphenyl

R.T.: 10.222 min
Delta R.T.: 0.000 min
Response: 78554564
Conc: 15.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.430 min
Delta R.T.: -0.007 min
Response: 25021049
Conc: 15.75 ng/ml



#3 AR-1016-1

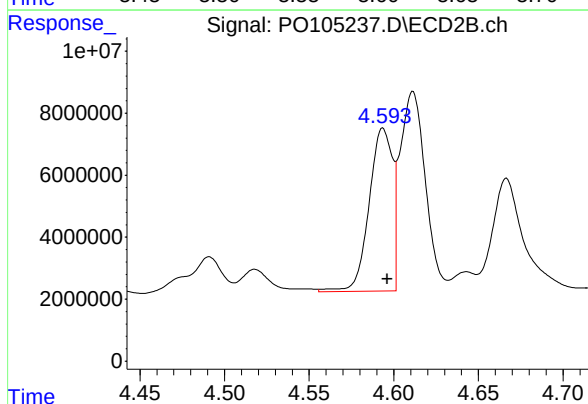
R.T.: 5.601 min
Delta R.T.: 0.001 min
Response: 125392549
Conc: 526.93 ng/ml

Instrument :

ECD_O

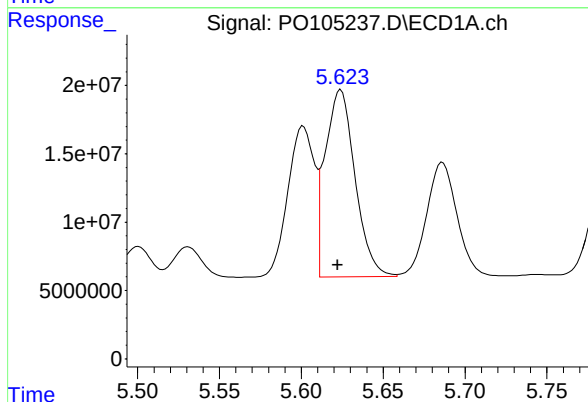
ClientSampleId :

S-866-N-SO-1.0-1.5-080524MSD



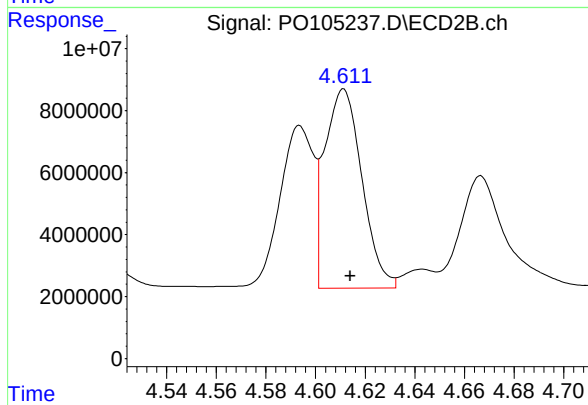
#3 AR-1016-1

R.T.: 4.594 min
Delta R.T.: -0.003 min
Response: 50461285
Conc: 542.74 ng/ml



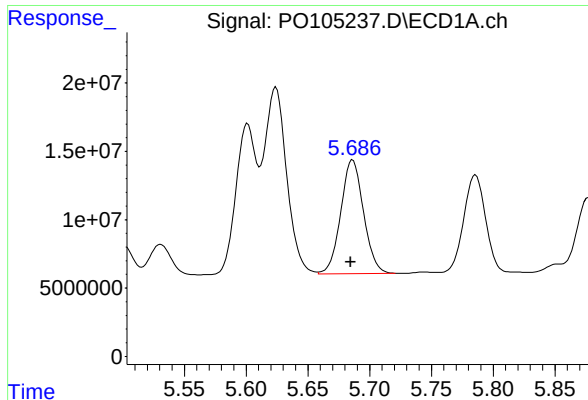
#4 AR-1016-2

R.T.: 5.624 min
Delta R.T.: 0.002 min
Response: 174101455
Conc: 517.87 ng/ml



#4 AR-1016-2

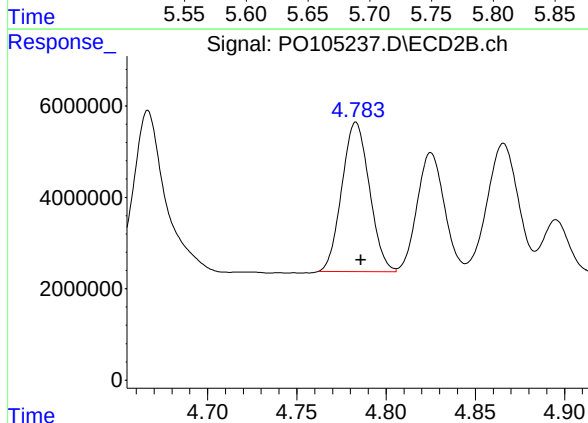
R.T.: 4.611 min
Delta R.T.: -0.003 min
Response: 66839477
Conc: 519.35 ng/ml



#5 AR-1016-3

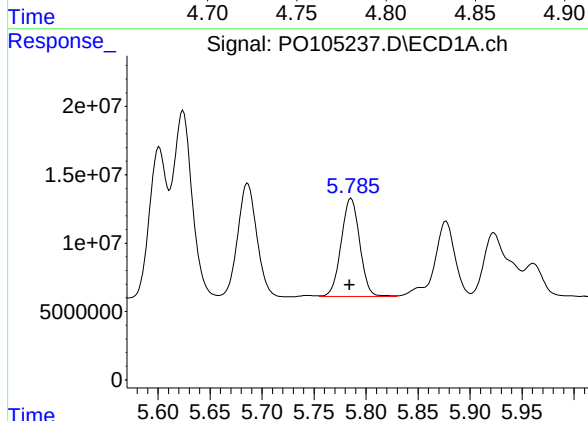
R.T.: 5.686 min
Delta R.T.: 0.001 min
Response: 106704656
Conc: 515.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MSD



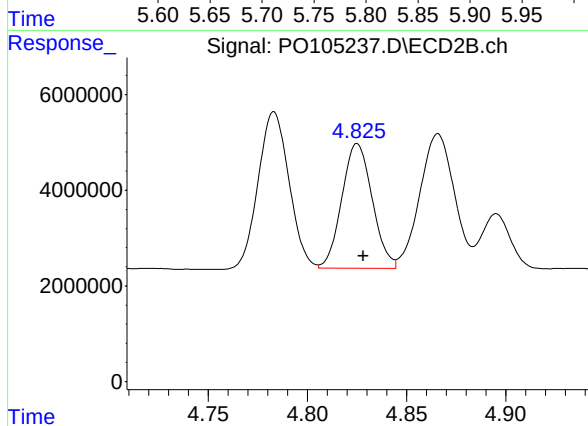
#5 AR-1016-3

R.T.: 4.783 min
Delta R.T.: -0.003 min
Response: 35140501
Conc: 518.95 ng/ml



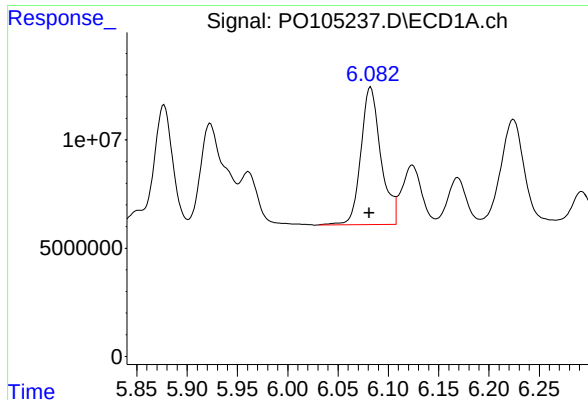
#6 AR-1016-4

R.T.: 5.786 min
Delta R.T.: 0.001 min
Response: 89164822
Conc: 491.12 ng/ml



#6 AR-1016-4

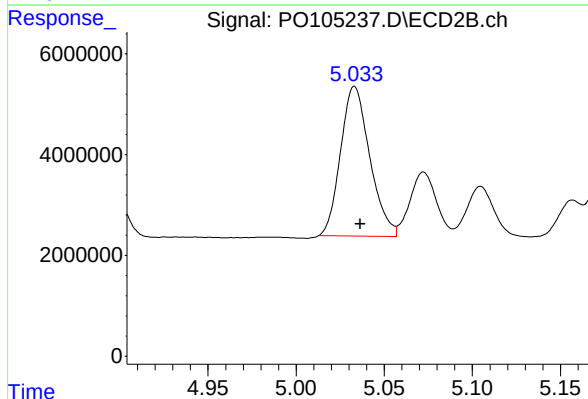
R.T.: 4.825 min
Delta R.T.: -0.003 min
Response: 27797178
Conc: 516.87 ng/ml



#7 AR-1016-5

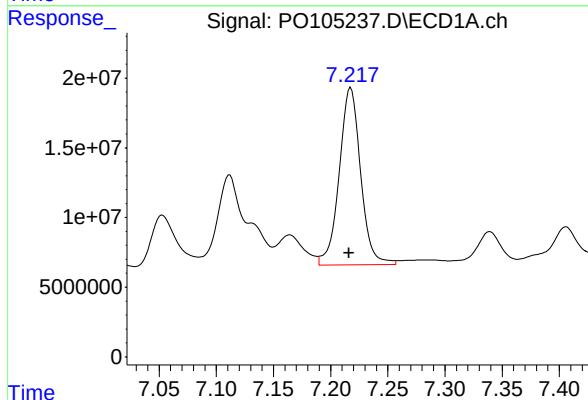
R.T.: 6.082 min
Delta R.T.: 0.001 min
Response: 87701812
Conc: 538.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MSD



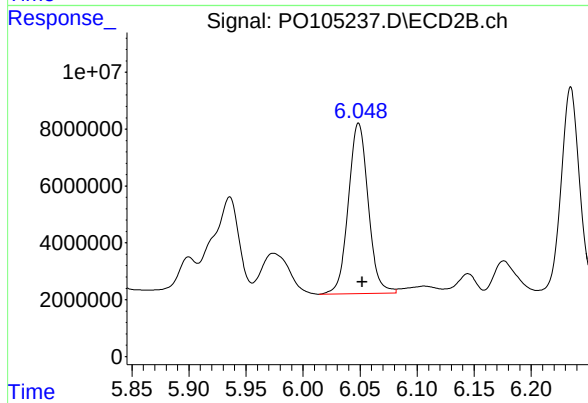
#7 AR-1016-5

R.T.: 5.033 min
Delta R.T.: -0.003 min
Response: 34283034
Conc: 483.09 ng/ml



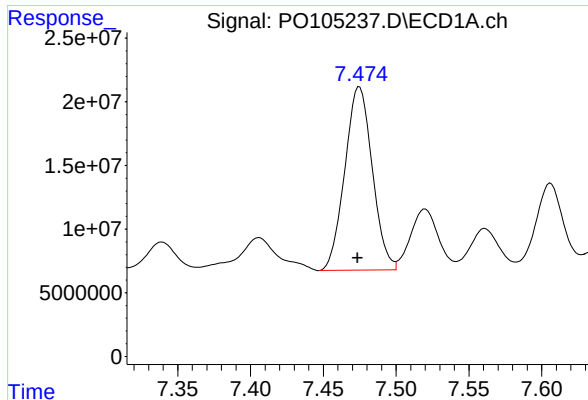
#31 AR-1260-1

R.T.: 7.218 min
Delta R.T.: 0.002 min
Response: 166257238
Conc: 523.61 ng/ml



#31 AR-1260-1

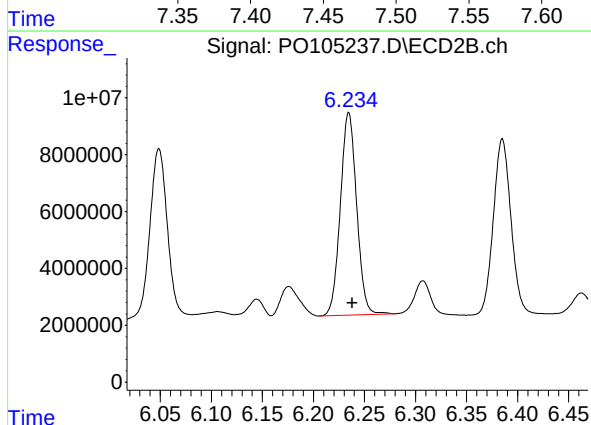
R.T.: 6.049 min
Delta R.T.: -0.003 min
Response: 72152524
Conc: 529.77 ng/ml



#32 AR-1260-2

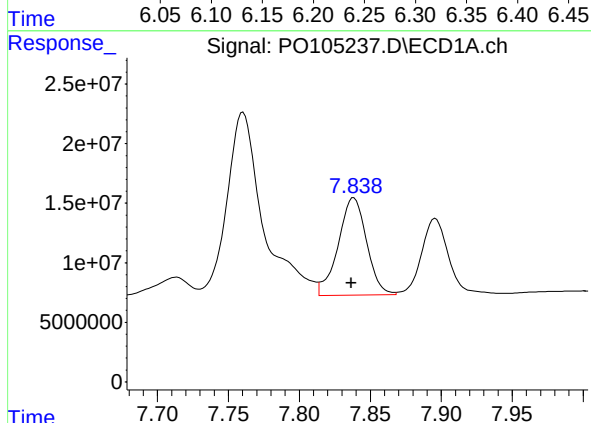
R.T.: 7.475 min
Delta R.T.: 0.001 min
Response: 188990790
Conc: 519.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MSD



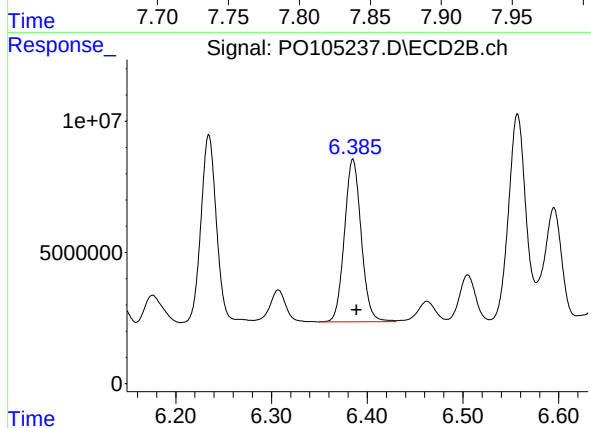
#32 AR-1260-2

R.T.: 6.235 min
Delta R.T.: -0.003 min
Response: 78949210
Conc: 469.21 ng/ml



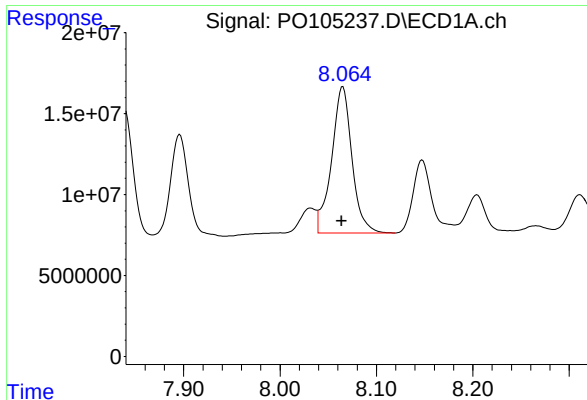
#33 AR-1260-3

R.T.: 7.838 min
Delta R.T.: 0.002 min
Response: 113866105
Conc: 444.08 ng/ml



#33 AR-1260-3

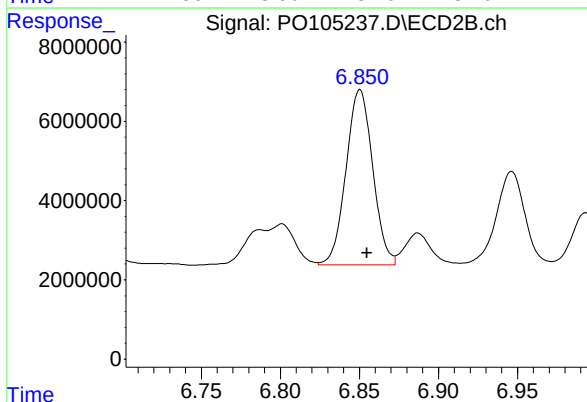
R.T.: 6.385 min
Delta R.T.: -0.004 min
Response: 75615114
Conc: 448.34 ng/ml



#34 AR-1260-4

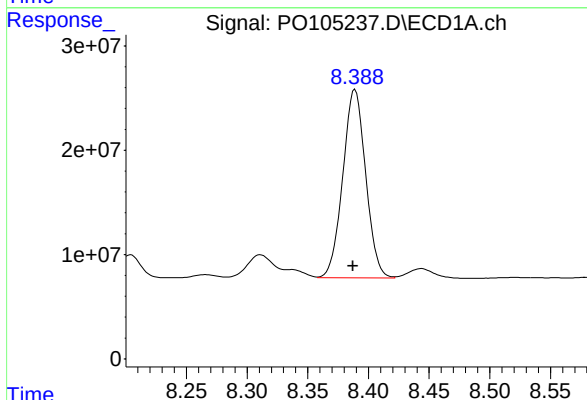
R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 133479216
Conc: 468.22 ng/ml

Instrument :
ECD_O
ClientSampleId :
S-866-N-SO-1.0-1.5-080524MSD



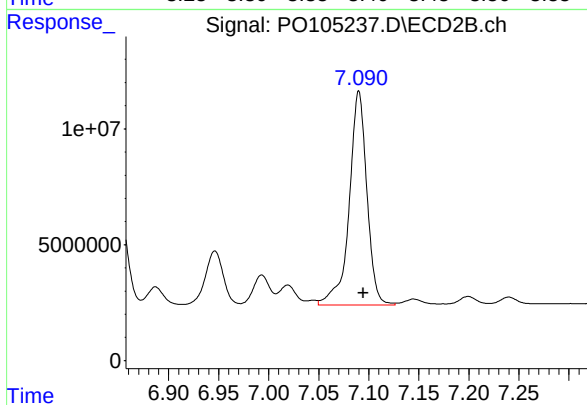
#34 AR-1260-4

R.T.: 6.850 min
Delta R.T.: -0.004 min
Response: 51959537
Conc: 474.47 ng/ml



#35 AR-1260-5

R.T.: 8.389 min
Delta R.T.: 0.002 min
Response: 237713828
Conc: 425.28 ng/ml



#35 AR-1260-5

R.T.: 7.090 min
Delta R.T.: -0.004 min
Response: 113733883
Conc: 444.94 ng/ml

Manual Integration Report

Sequence:	po072924	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO105008.D	AR-1016-4	yogesh	7/30/2024 8:24:52 AM	Ankita	7/30/2024 1:21:45	Peak Integrated by Software
AR1660ICC050	PO105008.D	AR-1260-3	yogesh	7/30/2024 8:24:52 AM	Ankita	7/30/2024 1:21:45	Peak Integrated by Software
AR1660ICC050	PO105008.D	AR-1260-3 #2	yogesh	7/30/2024 8:24:52 AM	Ankita	7/30/2024 1:21:45	Peak Integrated by Software
AR1660ICC050	PO105008.D	AR-1260-4	yogesh	7/30/2024 8:24:52 AM	Ankita	7/30/2024 1:21:45	Peak Integrated by Software
AR1660ICC050	PO105008.D	AR-1260-5	yogesh	7/30/2024 8:24:52 AM	Ankita	7/30/2024 1:21:45	Peak Integrated by Software
AR1242ICC050	PO105015.D	AR-1242-4	yogesh	7/30/2024 8:24:54 AM	Ankita	7/30/2024 1:21:47	Peak Integrated by Software
AR1242ICC050	PO105015.D	AR-1242-5	yogesh	7/30/2024 8:24:54 AM	Ankita	7/30/2024 1:21:47	Peak Integrated by Software
AR1248ICC050	PO105020.D	AR-1248-4	yogesh	7/30/2024 8:24:55 AM	Ankita	7/30/2024 1:21:49	Peak Integrated by Software
AR1248ICC050	PO105020.D	AR-1248-5	yogesh	7/30/2024 8:24:55 AM	Ankita	7/30/2024 1:21:49	Peak Integrated by Software
AR1254ICC050	PO105025.D	AR-1254-1	yogesh	7/30/2024 8:24:57 AM	Ankita	7/30/2024 1:21:50	Peak Integrated by Software
AR1254ICC050	PO105025.D	AR-1254-5	yogesh	7/30/2024 8:24:57 AM	Ankita	7/30/2024 1:21:50	Peak Integrated by Software
AR1268ICC050	PO105031.D	AR-1268-4	yogesh	7/30/2024 8:24:59 AM	Ankita	7/30/2024 1:21:52	Peak Integrated by Software



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

Manual Integration Report

Sequence:

po072924

Instrument

ECD_o

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

PO080624

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO105216.D	AR-1242-3 #2	yogesh	8/7/2024 8:21:20 AM	Ankita	8/7/2024 10:00:24	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072924

Review By	yogesh	Review On	7/30/2024 8:25:12 AM
Supervise By	Ankita	Supervise On	7/30/2024 1:22:01 PM
SubDirectory	PO072924	HP Acquire Method	HP Processing Method PO072924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23261,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO105002.D	29 Jul 2024 17:32	YP/AJ	Ok
2	I.BLK	PO105003.D	29 Jul 2024 17:50	YP/AJ	Ok
3	AR1660ICC1000	PO105004.D	29 Jul 2024 18:07	YP/AJ	Ok
4	AR1660ICC750	PO105005.D	29 Jul 2024 18:24	YP/AJ	Ok
5	AR1660ICC500	PO105006.D	29 Jul 2024 18:42	YP/AJ	Ok
6	AR1660ICC250	PO105007.D	29 Jul 2024 18:59	YP/AJ	Ok
7	AR1660ICC050	PO105008.D	29 Jul 2024 19:16	YP/AJ	Ok,M
8	AR1221ICC500	PO105009.D	29 Jul 2024 19:34	YP/AJ	Ok
9	AR1232ICC500	PO105010.D	29 Jul 2024 19:51	YP/AJ	Ok
10	AR1242ICC1000	PO105011.D	29 Jul 2024 20:08	YP/AJ	Ok
11	AR1242ICC750	PO105012.D	29 Jul 2024 20:26	YP/AJ	Ok
12	AR1242ICC500	PO105013.D	29 Jul 2024 20:43	YP/AJ	Ok
13	AR1242ICC250	PO105014.D	29 Jul 2024 21:00	YP/AJ	Ok
14	AR1242ICC050	PO105015.D	29 Jul 2024 21:18	YP/AJ	Ok,M
15	AR1248ICC1000	PO105016.D	29 Jul 2024 21:35	YP/AJ	Ok
16	AR1248ICC750	PO105017.D	29 Jul 2024 21:52	YP/AJ	Ok
17	AR1248ICC500	PO105018.D	29 Jul 2024 22:10	YP/AJ	Ok
18	AR1248ICC250	PO105019.D	29 Jul 2024 22:27	YP/AJ	Ok
19	AR1248ICC050	PO105020.D	29 Jul 2024 22:44	YP/AJ	Ok,M
20	AR1254ICC1000	PO105021.D	29 Jul 2024 23:01	YP/AJ	Ok
21	AR1254ICC750	PO105022.D	29 Jul 2024 23:19	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072924

Review By	yogesh	Review On	7/30/2024 8:25:12 AM
Supervise By	Ankita	Supervise On	7/30/2024 1:22:01 PM
SubDirectory	PO072924	HP Acquire Method	HP Processing Method PO072924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23261,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PO105023.D	29 Jul 2024 23:36	YP/AJ	Ok
23	AR1254ICC250	PO105024.D	29 Jul 2024 23:53	YP/AJ	Ok
24	AR1254ICC050	PO105025.D	30 Jul 2024 00:11	YP/AJ	Ok,M
25	AR1262ICC500	PO105026.D	30 Jul 2024 00:28	YP/AJ	Ok
26	AR1268ICC1000	PO105027.D	30 Jul 2024 00:45	YP/AJ	Ok
27	AR1268ICC750	PO105028.D	30 Jul 2024 01:02	YP/AJ	Ok
28	AR1268ICC500	PO105029.D	30 Jul 2024 01:20	YP/AJ	Ok
29	AR1268ICC250	PO105030.D	30 Jul 2024 01:37	YP/AJ	Ok
30	AR1268ICC050	PO105031.D	30 Jul 2024 01:54	YP/AJ	Ok,M
31	PO072924ICV500	PO105032.D	30 Jul 2024 02:11	YP/AJ	Not Ok
32	AR1242ICV500	PO105033.D	30 Jul 2024 02:29	YP/AJ	Ok
33	AR1248ICV500	PO105034.D	30 Jul 2024 02:46	YP/AJ	Ok
34	AR1254ICV500	PO105035.D	30 Jul 2024 03:03	YP/AJ	Ok
35	AR1268ICV500	PO105036.D	30 Jul 2024 03:20	YP/AJ	Ok
36	PO072924ICV500	PO105037.D	30 Jul 2024 10:30	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO080624

Review By	yogesh	Review On	8/7/2024 8:21:34 AM
Supervise By	Ankita	Supervise On	8/7/2024 10:00:34 AM
SubDirectory	PO080624	HP Acquire Method	HP Processing Method PO072924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23261,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO105214.D	06 Aug 2024 08:59	YP/AJ	Ok
2	AR1660CCC500	PO105215.D	06 Aug 2024 09:38	YP/AJ	Ok
3	AR1242CCC500	PO105216.D	06 Aug 2024 09:55	YP/AJ	Ok,M
4	AR1248CCC500	PO105217.D	06 Aug 2024 10:13	YP/AJ	Ok
5	AR1254CCC500	PO105218.D	06 Aug 2024 10:30	YP/AJ	Ok
6	I.BLK	PO105219.D	06 Aug 2024 10:48	YP/AJ	Ok
7	P3462-11DL	PO105220.D	06 Aug 2024 11:05	YP/AJ	Ok
8	P3462-03DL	PO105221.D	06 Aug 2024 11:22	YP/AJ	Ok
9	P3461-01DL2	PO105222.D	06 Aug 2024 11:40	YP/AJ	Ok
10	AR1660CCC500	PO105223.D	06 Aug 2024 12:37	YP/AJ	Ok
11	AR1242CCC500	PO105224.D	06 Aug 2024 12:54	YP/AJ	Ok
12	AR1248CCC500	PO105225.D	06 Aug 2024 13:12	YP/AJ	Ok
13	AR1254CCC500	PO105226.D	06 Aug 2024 13:29	YP/AJ	Ok
14	I.BLK	PO105227.D	06 Aug 2024 13:47	YP/AJ	Ok
15	PB162521BL	PO105228.D	06 Aug 2024 15:14	YP/AJ	Ok
16	PB162521BS	PO105229.D	06 Aug 2024 15:31	YP/AJ	Ok
17	P3468-01	PO105230.D	06 Aug 2024 15:49	YP/AJ	Ok
18	P3474-01	PO105231.D	06 Aug 2024 16:06	YP/AJ	Ok
19	P3474-04	PO105232.D	06 Aug 2024 16:23	YP/AJ	Ok
20	P3474-07	PO105233.D	06 Aug 2024 16:41	YP/AJ	Ok,M
21	P3474-10	PO105234.D	06 Aug 2024 16:58	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO080624

Review By	yogesh	Review On	8/7/2024 8:21:34 AM
Supervise By	Ankita	Supervise On	8/7/2024 10:00:34 AM
SubDirectory	PO080624	HP Acquire Method	HP Processing Method PO072924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23261,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P3475-02	PO105235.D	06 Aug 2024 17:16	YP/AJ	Ok,M
23	P3475-03MS	PO105236.D	06 Aug 2024 17:33	YP/AJ	Ok
24	P3475-04MSD	PO105237.D	06 Aug 2024 17:50	YP/AJ	Ok
25	AR1660CCC500	PO105238.D	06 Aug 2024 18:36	YP/AJ	Ok
26	AR1242CCC500	PO105239.D	06 Aug 2024 18:54	YP/AJ	Ok
27	AR1248CCC500	PO105240.D	06 Aug 2024 19:11	YP/AJ	Ok
28	AR1254CCC500	PO105241.D	06 Aug 2024 19:28	YP/AJ	Ok
29	I.BLK	PO105242.D	06 Aug 2024 19:46	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072924

Review By	yogesh	Review On	7/30/2024 8:25:12 AM
Supervise By	Ankita	Supervise On	7/30/2024 1:22:01 PM
SubDirectory	PO072924	HP Acquire Method	HP Processing Method PO072924

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23261,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO105002.D	29 Jul 2024 17:32		YP/AJ	Ok
2	I.BLK	I.BLK	PO105003.D	29 Jul 2024 17:50		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO105004.D	29 Jul 2024 18:07		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO105005.D	29 Jul 2024 18:24		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO105006.D	29 Jul 2024 18:42		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO105007.D	29 Jul 2024 18:59		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO105008.D	29 Jul 2024 19:16		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO105009.D	29 Jul 2024 19:34		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO105010.D	29 Jul 2024 19:51		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO105011.D	29 Jul 2024 20:08		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO105012.D	29 Jul 2024 20:26		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO105013.D	29 Jul 2024 20:43		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO105014.D	29 Jul 2024 21:00		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO105015.D	29 Jul 2024 21:18		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO105016.D	29 Jul 2024 21:35		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO105017.D	29 Jul 2024 21:52		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO105018.D	29 Jul 2024 22:10		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO105019.D	29 Jul 2024 22:27		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO072924

Review By	yogesh	Review On	7/30/2024 8:25:12 AM
Supervise By	Ankita	Supervise On	7/30/2024 1:22:01 PM
SubDirectory	PO072924	HP Acquire Method	HP Processing Method PO072924
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,P P23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP 23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255		
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253		
Internal Standard/PEM			
ICV/I.BLK	PP23259,PP23261,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PO105020.D	29 Jul 2024 22:44		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO105021.D	29 Jul 2024 23:01		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO105022.D	29 Jul 2024 23:19		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO105023.D	29 Jul 2024 23:36		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO105024.D	29 Jul 2024 23:53		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO105025.D	30 Jul 2024 00:11		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO105026.D	30 Jul 2024 00:28		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO105027.D	30 Jul 2024 00:45		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO105028.D	30 Jul 2024 01:02		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO105029.D	30 Jul 2024 01:20		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO105030.D	30 Jul 2024 01:37		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO105031.D	30 Jul 2024 01:54		YP/AJ	Ok,M
31	PO072924ICV500	ICVPO072924	PO105032.D	30 Jul 2024 02:11	icv failed	YP/AJ	Not Ok
32	AR1242ICV500	ICVPO072924AR1242	PO105033.D	30 Jul 2024 02:29		YP/AJ	Ok
33	AR1248ICV500	ICVPO072924AR1248	PO105034.D	30 Jul 2024 02:46		YP/AJ	Ok
34	AR1254ICV500	ICVPO072924AR1254	PO105035.D	30 Jul 2024 03:03		YP/AJ	Ok
35	AR1268ICV500	ICVPO072924AR1268	PO105036.D	30 Jul 2024 03:20		YP/AJ	Ok
36	PO072924ICV500	ICVPO072924	PO105037.D	30 Jul 2024 10:30		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO080624

Review By	yogesh	Review On	8/7/2024 8:21:34 AM
Supervise By	Ankita	Supervise On	8/7/2024 10:00:34 AM
SubDirectory	PO080624	HP Acquire Method	HP Processing Method PO072924

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255
CCC	PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253
Internal Standard/PEM	
ICV/I.BLK	PP23259,PP23261,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO105214.D	06 Aug 2024 08:59		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO105215.D	06 Aug 2024 09:38		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO105216.D	06 Aug 2024 09:55		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO105217.D	06 Aug 2024 10:13		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO105218.D	06 Aug 2024 10:30		YP/AJ	Ok
6	I.BLK	I.BLK	PO105219.D	06 Aug 2024 10:48		YP/AJ	Ok
7	P3462-11DL	JC-3-6-7DL	PO105220.D	06 Aug 2024 11:05	AR1242 Hit	YP/AJ	Ok
8	P3462-03DL	JC-1-4-5DL	PO105221.D	06 Aug 2024 11:22	AR1242 Hit	YP/AJ	Ok
9	P3461-01DL2	CHRT-28607DL2	PO105222.D	06 Aug 2024 11:40	AR1254 Hit	YP/AJ	Ok
10	AR1660CCC500	AR1660CCC500	PO105223.D	06 Aug 2024 12:37		YP/AJ	Ok
11	AR1242CCC500	AR1242CCC500	PO105224.D	06 Aug 2024 12:54		YP/AJ	Ok
12	AR1248CCC500	AR1248CCC500	PO105225.D	06 Aug 2024 13:12		YP/AJ	Ok
13	AR1254CCC500	AR1254CCC500	PO105226.D	06 Aug 2024 13:29		YP/AJ	Ok
14	I.BLK	I.BLK	PO105227.D	06 Aug 2024 13:47		YP/AJ	Ok
15	PB162521BL	PB162521BL	PO105228.D	06 Aug 2024 15:14		YP/AJ	Ok
16	PB162521BS	PB162521BS	PO105229.D	06 Aug 2024 15:31		YP/AJ	Ok
17	P3468-01	IDW-S1-01	PO105230.D	06 Aug 2024 15:49		YP/AJ	Ok
18	P3474-01	WC-A1-COMP	PO105231.D	06 Aug 2024 16:06		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO080624

Review By	yogesh	Review On	8/7/2024 8:21:34 AM
Supervise By	Ankita	Supervise On	8/7/2024 10:00:34 AM
SubDirectory	PO080624	HP Acquire Method	HP Processing Method PO072924
STD. NAME	STD REF.#		
Tune/Reschk	PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,P P23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP 23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255 PP23218,PP23223,PP23228,PP23233,PP23238,PP23243,PP23248,PP23253 PP23259,PP23261,PP23263,PP23265,PP23267,PP23269,PP23271,PP23273		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P3474-04	WC-B1-COMP	PO105232.D	06 Aug 2024 16:23		YP/AJ	Ok
20	P3474-07	WC-A2-COMP	PO105233.D	06 Aug 2024 16:41	AR1254 hit	YP/AJ	Ok,M
21	P3474-10	WC-B2-COMP	PO105234.D	06 Aug 2024 16:58		YP/AJ	Ok
22	P3475-02	S-866-N-SO-1.0-1.5-08	PO105235.D	06 Aug 2024 17:16		YP/AJ	Ok,M
23	P3475-03MS	S-866-N-SO-1.0-1.5-08	PO105236.D	06 Aug 2024 17:33		YP/AJ	Ok
24	P3475-04MSD	S-866-N-SO-1.0-1.5-08	PO105237.D	06 Aug 2024 17:50		YP/AJ	Ok
25	AR1660CCC500	AR1660CCC500	PO105238.D	06 Aug 2024 18:36		YP/AJ	Ok
26	AR1242CCC500	AR1242CCC500	PO105239.D	06 Aug 2024 18:54		YP/AJ	Ok
27	AR1248CCC500	AR1248CCC500	PO105240.D	06 Aug 2024 19:11		YP/AJ	Ok
28	AR1254CCC500	AR1254CCC500	PO105241.D	06 Aug 2024 19:28		YP/AJ	Ok
29	I.BLK	I.BLK	PO105242.D	06 Aug 2024 19:46		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/06/2024
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: 08/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB131878

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
P3474-01	WC-A1-COMP	1	1.18	8.64	9.82	8.8	88.2	
P3474-03	WC-A1-GRAB	2	1.15	8.38	9.53	8.78	91.1	
P3474-04	WC-B1-COMP	3	1.16	8.59	9.75	8.56	86.1	
P3474-06	WC-B1-GRAB	4	1.18	8.43	9.61	8.18	83.0	
P3474-07	WC-A2-COMP	5	1.19	8.65	9.84	8.25	81.6	
P3474-09	WC-A2-GRAB	6	1.16	8.69	9.85	8.12	80.1	
P3474-10	WC-B2-COMP	7	1.16	8.67	9.83	8.25	81.8	
P3474-12	WC-B2-GRAB	8	1.16	8.69	9.85	8.09	79.7	
P3475-01	S-866-N-SO-0-0.5-080524	9	1.14	8.83	9.97	8.49	83.2	
P3475-02	S-866-N-SO-1.0-1.5-080524	10	1.15	8.66	9.81	8.57	85.7	
P3475-03	P3475-02MS	11	1.15	8.66	9.81	8.57	85.7	
P3475-04	P3475-02MSD	12	1.15	8.66	9.81	8.57	85.7	
P3475-05	S-858-N-SO-1.0-1.5-080524	13	1.12	8.74	9.86	7.56	73.7	sludge sample
P3475-06	P3475-05MS	14	1.12	8.74	9.86	7.56	73.7	sludge sample
P3475-07	P3475-05MSD	15	1.12	8.74	9.86	7.56	73.7	sludge sample
P3476-02	MUL04	16	1.15	8.50	9.65	5.16	47.2	
P3476-04	MUL05	17	1.16	8.81	9.97	4.97	43.2	
P3476-06	MUL06	18	1.15	8.75	9.9	4.98	43.8	
P3476-08	MUL07	19	1.14	8.60	9.74	5.07	45.7	
P3478-04	TS04	20	1.18	8.57	9.75	8.17	81.6	
P3478-06	TS05	21	1.16	8.61	9.77	8.59	86.3	
P3478-08	TS06	22	1.15	8.83	9.98	8.45	82.7	
P3478-10	TS07	23	1.14	8.83	9.97	8.52	83.6	
P3479-02	TS08	24	1.14	8.42	9.56	7.99	81.4	
P3479-04	TS09	25	1.14	8.71	9.85	7.98	78.5	
P3479-06	TS10	26	1.14	8.58	9.72	8.15	81.7	
P3479-08	TS11	27	1.15	8.49	9.64	8.79	90.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/06/2024
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: 08/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB131878

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
P3483-01	A	28	1.12	8.46	9.58	9.11	94.4	
P3484-01	B	29	1.18	8.72	9.9	9.22	92.2	
P3485-01	C	30	1.11	8.88	9.99	8.64	84.8	
P3487-01	0726-A	31	1.00	1.00	2.00	2.00	100.0	oil sample
P3487-02	0726-B	32	1.00	1.00	2.00	2.00	100.0	oil sample
P3487-03	0726-C	33	1.00	1.00	2.00	2.00	100.0	oil sample
P3487-05	0723-B	34	1.00	1.00	2.00	2.00	100.0	oil sample
P3488-01	HD-01-080624	35	1.14	8.58	9.72	8.88	90.2	
P3488-02	HD-01-080624-E2	36	1.15	8.80	9.95	8.96	88.8	
P3488-03	HD-02-080624	37	1.14	8.40	9.54	8.76	90.7	
P3488-04	HD-02-080624-E2	38	1.15	8.81	9.96	9.34	93.0	
P3489-01	WASTE	39	1.15	8.62	9.77	5.9	55.1	
P3489-02	VOC	40	1.19	8.52	9.71	5.72	53.2	
P3489-03	1	41	1.16	8.81	9.97	6.32	58.6	
P3489-04	2	42	1.16	8.81	9.97	5.57	50.1	
P3489-05	3	43	1.15	8.38	9.53	5.38	50.5	
P3489-06	4	44	1.19	8.42	9.61	6.12	58.6	
P3489-07	5	45	1.15	8.80	9.95	6.02	55.3	
P3491-01	72-11936	46	1.18	8.54	9.72	9.47	97.1	
P3491-02	SOM-24-00087	47	1.00	1.00	2.00	2.00	100.0	debris
P3491-03	COMP-1	48	1.00	1.00	2.00	2.00	100.0	debris
P3491-04	COMP-2	49	1.00	1.00	2.00	2.00	100.0	debris
P3491-05	SOM-24-00094	50	1.00	1.00	2.00	2.00	100.0	oily-debris
P3492-01	Y2309-0098-1-1	51	1.00	1.00	2.00	2.00	100.0	oilc
P3492-02	Y2309-0098-1-2	52	1.00	1.00	2.00	2.00	100.0	oilc
P3493-01	628-A	53	1.17	8.41	9.58	9.54	99.5	
P3493-02	628-B	54	1.16	8.42	9.58	9.51	99.2	
P3494-01	ORA-1899	55	1.00	1.00	2.00	2.00	100.0	wipe sample



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/06/2024
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: 08/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB131878

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
P3494-02	ORA-1900	56	1.00	1.00	2.00	2.00	100.0	wipe sample

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

WORKLIST(Hardcopy Internal Chain)

131878

WorkList Name : %1-08062024

WorkList ID : 182379

Department : Wet-Chemistry

Date : 08-06-2024 09:09:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3474-01	WC-A1-COMP	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-03	WC-A1-GRAB	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-04	WC-B1-COMP	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-06	WC-B1-GRAB	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-07	WC-A2-COMP	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-09	WC-A2-GRAB	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-10	WC-B2-COMP	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-12	WC-B2-GRAB	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3475-01	S-866-N-SO-0.0-1.5-080524	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-02	S-866-N-SO-1.0-1.5-080524	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-03	P3475-02MS	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-04	P3475-02MSD	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-05	S-858-N-SO-1.0-1.5-080524	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-06	P3475-05MS	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-07	P3475-05MSD	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3476-02	MUL04	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3476-04	MUL05	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3476-06	MUL06	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3476-08	MUL07	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3478-04	TS04	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3478-06	TS05	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO

Date/Time 08/06/24 15:20

Raw Sample Received by: JBL wcy

Raw Sample Relinquished by: JBL wcy

Date/Time 08/06/24

Raw Sample Received by: JBL wcy

WORKLIST(Hardcopy Internal Chain)

131878

WorkList Name : %1-08062024

WorkList ID : 182379

Department : Wet-Chemistry

Date : 08-06-2024 09:09:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3478-08	TS06	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3478-10	TS07	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3479-02	TS08	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3479-04	TS09	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3479-06	TS10	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3479-08	TS11	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3483-01	A	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3484-01	B	Solid	Percent Solids	Cool 4 deg C	BROO04	D31	08/06/2024	Chemtech -SO
P3485-01	C	Solid	Percent Solids	Cool 4 deg C	BROO04	D31	08/06/2024	Chemtech -SO
P3487-01	0726-A	Solid	Percent Solids	Cool 4 deg C	BROO04	D21	08/06/2024	Chemtech -SO
P3487-02	0726-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3487-03	0726-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3487-05	0723-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3488-01	HD-01-080624	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3488-02	HD-01-080624-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/06/2024	Chemtech -SO
P3488-03	HD-02-080624	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/06/2024	Chemtech -SO
P3488-04	HD-02-080624-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/06/2024	Chemtech -SO
P3489-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO

Date/Time 08/06/24 15:20

Raw Sample Received by: 48 WEC

Raw Sample Relinquished by: CA 5m

Date/Time 08/06/24

Raw Sample Received by: 48 WEC

Raw Sample Relinquished by: 48 WEC

WORKLIST(Hardcopy Internal Chain)

VB 131878

WorkList Name : %1-08062024

WorkList ID : 182379

Department : Wet-Chemistry

Date : 08-06-2024 09:09:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3489-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3491-01	72-11936	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3491-02	SOM-24-00087	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3491-03	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3491-04	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3491-05	SOM-24-00094	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3492-01	Y2309-0098-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3492-02	Y2309-0098-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3493-01	628-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/06/2024	Chemtech -SO
P3493-02	628-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/06/2024	Chemtech -SO
P3494-01	ORA-1899	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3494-02	ORA-1900	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO

Date/Time 08/06/24 15:20

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 08/06/24 17:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Welgh By: EH **Extraction By:** RS

Balance check: EH **Filter By:** RS

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Start Date : 08/06/2024

Extraction Start Time : 08:40

Extraction End Date : 08/06/2024

Extraction End Time : 13:50

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funne ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23516
Surrogate	1.0ML	200 PPB	PP23499
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	EP2512
Baked Na2SO4	N/A	EP2519
Sand	N/A	E2865
Hexane	N/A	E3773
H2SO4 1:1	N/A	EP2499
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.P3474,3475 Added in batch at 10:50.

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
08/06/24	RP (Exp. Lab)	AJ/ST PCA Lab
13:55	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 08/06/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162521BL	ABLK521	PCB	30.02	N/A	RUPESH	Evelyn	10			U4-1
PB162521BS	ALCS521	PCB	30.01	N/A	RUPESH	Evelyn	10			2
P3468-01	IDW-S1-01	PCB	30.06	N/A	RUPESH	Evelyn	10	G		3
P3474-01	WC-A1-COMP	PCB	30.09	N/A	RUPESH	Evelyn	10	A		4
P3474-04	WC-B1-COMP	PCB	30.07	N/A	RUPESH	Evelyn	10	A		5
P3474-07	WC-A2-COMP	PCB	30.05	N/A	RUPESH	Evelyn	10	A		2
P3474-10	WC-B2-COMP	PCB	30.05	N/A	RUPESH	Evelyn	10	A		3
P3475-02	S-866-N-SO-1.0-1.5-080 524	PCB	30.06	N/A	RUPESH	Evelyn	10	A		4
P3475-03	P3475-02MS	PCB	30.03	N/A	RUPESH	Evelyn	10	A		5
P3475-04	P3475-02MSD	PCB	30.07	N/A	RUPESH	Evelyn	10	A		6

* Extracts relinquished on the same date as received.



08-06-2024

WORKLIST(Hardcopy Internal Chain)

Worklist Name : p3468 Worklist ID : 182375 Department : Extraction Date : 08-06-2024 08:09:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3468-01	IDW-S1-01	Solid	PCB	Cool 4 deg C	TECH05	D21	08/02/2024	8082A
P3468-01	IDW-S1-01	Solid	Pesticide-TCL	Cool 4 deg C	TECH05	D21	08/02/2024	8081B

Date/Time 08/06/24 8:35
Raw Sample Received by: RS (Get 144)
Raw Sample Relinquished by: CP Sm

Date/Time 08/06/24 5:15
Raw Sample Received by: CP Sm
Raw Sample Relinquished by: PL (Get 144)

162520
10:50

WORKLIST(Hardcopy Internal Chain)

Worklist Name : P3474 Worklist ID : 182386 Department : Extraction Date : 08-06-2024 10:50:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3474-01	WC-A1-COMP	Solid	PCB	Cool 4 deg C	EART12	D21	08/05/2024	8082A
P3474-04	WC-B1-COMP	Solid	PCB	Cool 4 deg C	EART12	D21	08/05/2024	8082A
P3474-07	WC-A2-COMP	Solid	PCB	Cool 4 deg C	EART12	D21	08/05/2024	8082A
P3474-10	WC-B2-COMP	Solid	PCB	Cool 4 deg C	EART12	D21	08/05/2024	8082A
P3475-02	S-866-N-SO-1.0-1.5-080524	Solid	PCB	Cool 4 deg C	JACO05	D31	08/05/2024	8082A
P3475-03	P3475-02MS	Solid	PCB	Cool 4 deg C	JACO05	D31	08/05/2024	8082A
P3475-04	P3475-02MSD	Solid	PCB	Cool 4 deg C	JACO05	D31	08/05/2024	8082A

Date/Time 08/06/24 10:50
Raw Sample Received by: AS/2012431
Raw Sample Relinquished by: AS/2012431

Date/Time 08/06/24 11:10
Raw Sample Received by: AS/2012431
Raw Sample Relinquished by: AS/2012431

Prep Standard - Chemical Standard Summary

Order ID : P3475

Test : PCB

Prepbatch ID : PB162521,

Sequence ID/Qc Batch ID: PO080624,

Standard ID :

EP2499,EP2512,EP2519,PP23215,PP23216,PP23217,PP23218,PP23219,PP23220,PP23221,PP23222,PP23223,PP23224,PP23225,PP23226,PP23227,PP23228,PP23229,PP23230,PP23231,PP23232,PP23233,PP23234,PP23235,PP23236,PP23237,PP23238,PP23239,PP23240,PP23241,PP23242,PP23243,PP23244,PP23245,PP23246,PP23247,PP23248,PP23249,PP23250,PP23251,PP23252,PP23253,PP23254,PP23255,PP23257,PP23258,PP23259,PP23260,PP23261,PP23262,PP23263,PP23264,PP23265,PP23266,PP23267,PP23268,PP23269,PP23270,PP23271,PP23272,PP23273,PP23499,PP23516,

Chemical ID :

E2865,E3551,E3732,E3735,E3763,E3769,E3770,E3773,M5037,P10482,P10499,P11496,P11506,P11511,P11520,P11580,P11586,P11589,P11596,P12209,P12697,P12810,P12813,P12928,P12933,P12946,P12956,P13032,W2606,

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	EP2499	06/17/2024	10/24/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 06/17/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W2606 = 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	EP2512	07/12/2024	01/12/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 07/12/2024

FROM 8000.00000ml of E3769 + 8000.00000ml of E3770 = Final Quantity: 8000.000 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>
3923	Baked Sodium Sulfate	EP2519	08/02/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/02/2024
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23215	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel 04/22/2024
<u>FROM</u> 1.00000ml of P12810 + 9.00000ml of E3735 = Final Quantity: 10.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	PP23216	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P10482 + 99.40000ml of E3735 + 0.50000ml of PP23215 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	PP23217	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23216 = 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	PP23218	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
04/22/2024								

FROM 0.50000ml of E3735 + 0.50000ml of PP23216 = 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	PP23219	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
04/22/2024								

FROM 0.75000ml of E3735 + 0.25000ml of PP23216 = 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	PP23220	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23218 = 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	PP23221	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P11580 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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	PP23222	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23221 = 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	PP23223	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23221 = 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	PP23224	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23221 = 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	PP23225	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23223 = 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	PP23226	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P11586 + 99.40000ml of E3735 + 0.50000ml of PP23215 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	PP23227	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23226 = 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	PP23228	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23226 = 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	PP23229	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23226 = 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	PP23230	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23228 = 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	PP23231	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P12928 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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	PP23232	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23231 = 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	PP23233	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23231 = 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	PP23234	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23231 = 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	PP23235	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23233 = 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	PP23236	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P12933 + 99.40000ml of E3735 + 0.50000ml of PP23215 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	PP23237	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23236 = 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	PP23238	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23236 = 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	PP23239	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23236 = 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	PP23240	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23238 = 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	PP23241	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P11589 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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	PP23242	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23241 = 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	PP23243	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23241 = 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	PP23244	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23241 = 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	PP23245	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23243 = 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	PP23246	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P10499 + 99.40000ml of E3735 + 0.50000ml of PP23215 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	PP23247	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23246 = 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	PP23248	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23246 = 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	PP23249	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23246 = 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	PP23250	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23248 = 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	PP23251	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P11596 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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	PP23252	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.25000ml of E3735 + 0.75000ml of PP23251 = 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	PP23253	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23251 = 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	PP23254	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.75000ml of E3735 + 0.25000ml of PP23251 = 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	PP23255	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.90000ml of E3735 + 0.10000ml of PP23253 = 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	PP23257	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel 04/22/2024

FROM 1.00000ml of P12209 + 9.00000ml of E3732 = 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	PP23258	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel 04/22/2024

FROM 98.50000ml of E3735 + 0.50000ml of PP23215 + 1.00000ml of PP23257 = 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	PP23259	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23258 = 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)	PP23260	04/22/2024	05/31/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P11496 + 98.50000ml of E3735 + 0.50000ml of PP23215 = 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)	PP23261	04/22/2024	05/31/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23260 = 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	PP23262	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P12697 + 98.50000ml of E3735 + 0.50000ml of PP23215 = 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>
1888	AR1232 500 PPB ICV	PP23263	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23262 = 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>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP23264	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P11506 + 98.50000ml of E3735 + 0.50000ml of PP23215 = 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>
1891	AR1242 500 PPB ICV	PP23265	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23264 = 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	PP23266	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P11511 + 98.50000ml of E3735 + 0.50000ml of PP23215 = 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	PP23267	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23266 = 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	PP23268	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P12956 + 98.00000ml of E3735 + 0.50000ml of PP23215 = 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	PP23269	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23268 = 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	PP23270	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.10000ml of P13032 + 99.40000ml of E3735 + 0.50000ml of PP23215 = 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	PP23271	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23270 = 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	PP23272	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 1.00000ml of P11520 + 98.50000ml of E3735 + 0.50000ml of PP23215 = 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	PP23273	04/22/2024	10/22/2024	Ankita Jodhani	None	None	Yogesh Patel
								04/22/2024

FROM 0.50000ml of E3735 + 0.50000ml of PP23272 = 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>
465	200 PPB Pest/PCB Surrogate Spike	PP23499	06/26/2024	12/25/2024	Abdul Mirza	None	None	Ankita Jodhani
								06/27/2024

FROM 1.00000ml of P12813 + 999.00000ml of E3763 = Final Quantity: 1000.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP23516	07/12/2024	01/12/2025	Abdul Mirza	None	None	Ankita Jodhani 07/16/2024
<u>FROM</u> 0.50000ml of P12946 + 99.50000ml of E3769 = Final Quantity: 100.000 ml								

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	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	10/22/2024	04/22/2024 / Rajesh	04/12/2024 / Rajesh	E3732

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	10/22/2024	04/22/2024 / Rajesh	04/19/2024 / Rajesh	E3735

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	12/25/2024	06/25/2024 / Rajesh	06/20/2024 / Rajesh	E3763

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	01/12/2025	07/12/2024 /	07/02/2024 / Rajesh	E3769

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	05/09/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	02/06/2025	08/01/2024 / Rajesh	07/19/2024 / Rajesh	E3773

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)	0000250349	12/15/2024	01/06/2022 / mohan	09/18/2021 / mohan	M5037

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	10/22/2024	04/22/2024 / Ankita	03/19/2021 / Abdul	P10482

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	10/22/2024	04/22/2024 / Ankita	03/19/2021 / Ankita	P10499

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006535333	10/22/2024	04/22/2024 / Ankita	02/21/2022 / Ankita	P11496

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	10/22/2024	04/22/2024 / Ankita	02/21/2022 / Ankita	P11506

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	10/22/2024	04/22/2024 / Ankita	02/21/2022 / Ankita	P11511

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	10/22/2024	04/22/2024 / Ankita	02/21/2022 / Ankita	P11520

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	10/22/2024	04/22/2024 / Ankita	03/18/2022 / Abdul	P11580

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	10/22/2024	04/22/2024 / Ankita	03/18/2022 / Abdul	P11586

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	10/22/2024	04/22/2024 / Ankita	03/18/2022 / Abdul	P11589

CHEMICAL RECEIPT LOG BOOK

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	10/22/2024	04/22/2024 / Ankita	03/18/2022 / Abdul	P11596

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	033121	10/22/2024	04/22/2024 / Ankita	11/16/2022 / Ankita	P12209

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	10/22/2024	04/22/2024 / Ankita	08/07/2023 / Ankita	P12697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0200112	10/22/2024	04/22/2024 / Ankita	09/25/2023 / Abdul	P12810

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0200112	12/26/2024	06/26/2024 / Abdul	09/25/2023 / Abdul	P12813

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	10/22/2024	04/22/2024 / Ankita	12/07/2023 / Ankita	P12928

CHEMICAL RECEIPT LOG BOOK

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	10/22/2024	04/22/2024 / Ankita	12/07/2023 / Ankita	P12933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	01/12/2025	07/12/2024 / Abdul	12/20/2023 / Yogesh	P12946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Arochlor 1254	121823	10/22/2024	04/22/2024 / Ankita	12/20/2023 / Yogesh	P12956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90165 / Aroclor 1262	112322	10/22/2024	04/22/2024 / Ankita	12/20/2023 / Yogesh	P13032

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0200112

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL; Acetone, 1mL/ampul

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

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

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

P 12806
P 12815
10
W. R. AUF
9/25/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	201.3 µg/mL	+/- 11.1676
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.5 µg/mL	+/- 11.1787

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

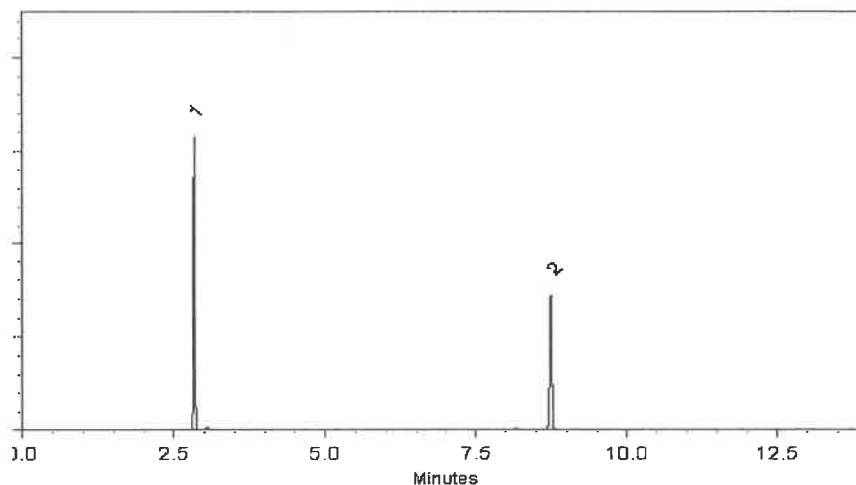
ECD

Split Vent:

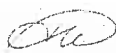
10 ml/min.

Inj. Vol

1µl



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


Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

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

P12806 } (10)
↓
P12815
1
W. Stuef
9/25/2023



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0200112

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL; Acetone, 1mL/ampul

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

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

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

P 12806
P 12815
10
W. R. AUF
9/25/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	201.3 µg/mL	+/- 11.1676
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.5 µg/mL	+/- 11.1787

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

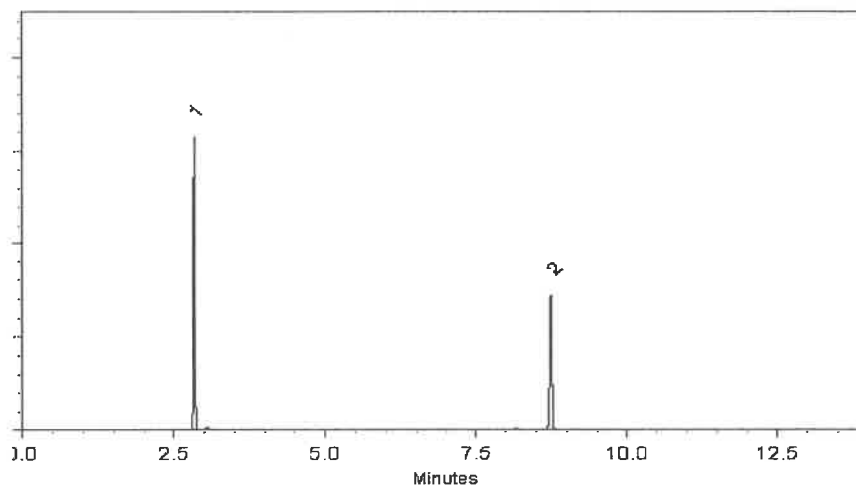
ECD

Split Vent:

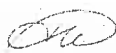
10 ml/min.

Inj. Vol

1µl



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


Jess Hoy - Operations Tech I

Date Mixed: 20-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jul-2023

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

P12806 } (10)
↓
P12815
/


9/25/2023

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

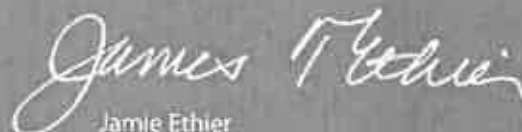
Certificate of Analysis

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



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

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

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

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

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantor™**



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

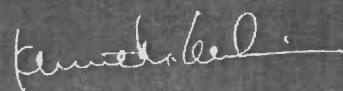
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 4/12/24

E 3732



Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 4/19/24

E3735

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

 **avantor™**



Material No.: 9254-03

Batch No.: 23H1462005

Manufactured Date: 2023-07-26

Expiration Date: 2026-07-25

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

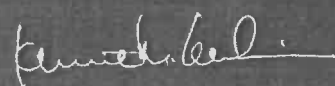
For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3763

Recd. by RP on 6/20/24



Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 23H1462005

Manufactured Date: 2023-07-26

Expiration Date: 2026-07-25

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 23H1462005

Manufactured Date: 2023-07-26

Expiration Date: 2026-07-25

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	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)	$\leq 0.05 \%$	< 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 7/19/24

E3773

Jamie Croak
Director Quality Operations, Bioscience Production

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

avantorsm



Material No.: 9673-33

Batch No.: 0000250349

Manufactured Date: 2019/12/17

Retest Date: 2024/12/15

Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO ₄)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO ₂)	<= 2 ppm	< 2
Ammonium (NH ₄)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO ₃)	<= 0.2 ppm	< 0.1
Phosphate (PO ₄)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

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

Avantor Performance Materials, LLC

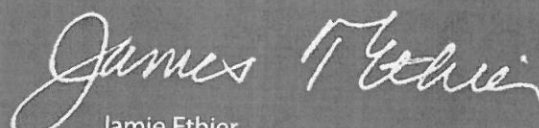
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

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:

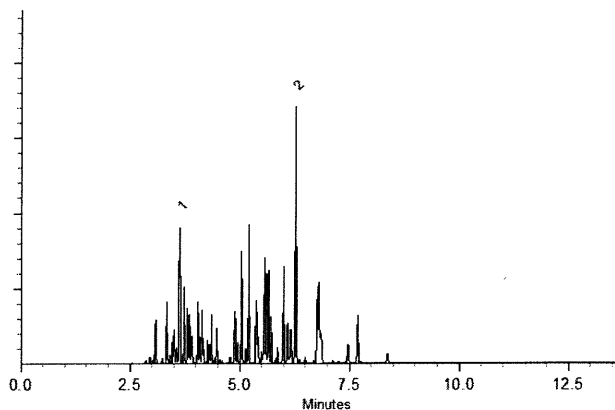
250°C

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



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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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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. : 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%

P10496
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P10500

AJ
09/19/21

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

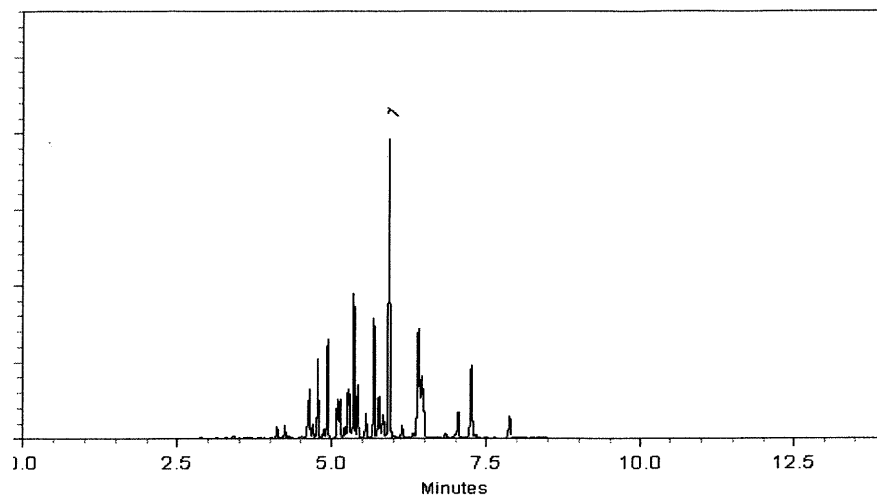
Carrier Gas:
helium-constant pressure 20 psi.

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



Certificate of Analysis

P11493
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P11494

AJ
02/21/22

Product Name: Aroclor 1221 Standard

Product Number: PP-292-1

Lot Issue Date: 28-Apr-2020

Lot Number: 0006535333

Expiration Date: 31-May-2024

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 1221	011104-28-2	RM04278	100.2 ± 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/NCCL 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.

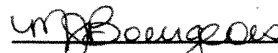
Expiration of Certification:

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

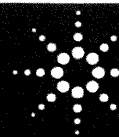
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937

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.

P11503
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P11507A7
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

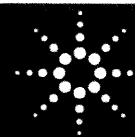
www.agilent.com/quality/

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.

P11508

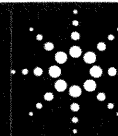
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P11512

AJ

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/NCCL 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.

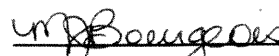
Expiration of Certification:

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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ISO 17025 Cert
No. AT-1937



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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
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P 11582 / (S)

AR
04/30/22

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

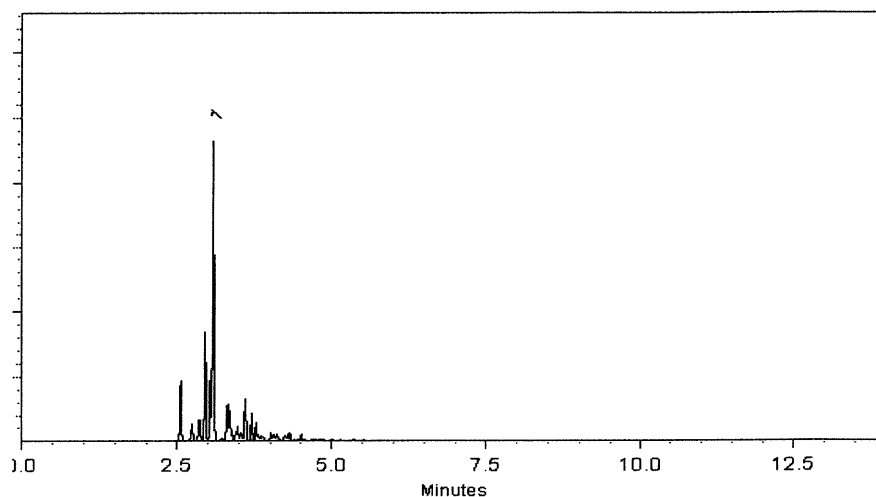
Carrier Gas:
helium-constant pressure 20 psi.

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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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. : 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
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P11587 / (S)

AR
04/30/22

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

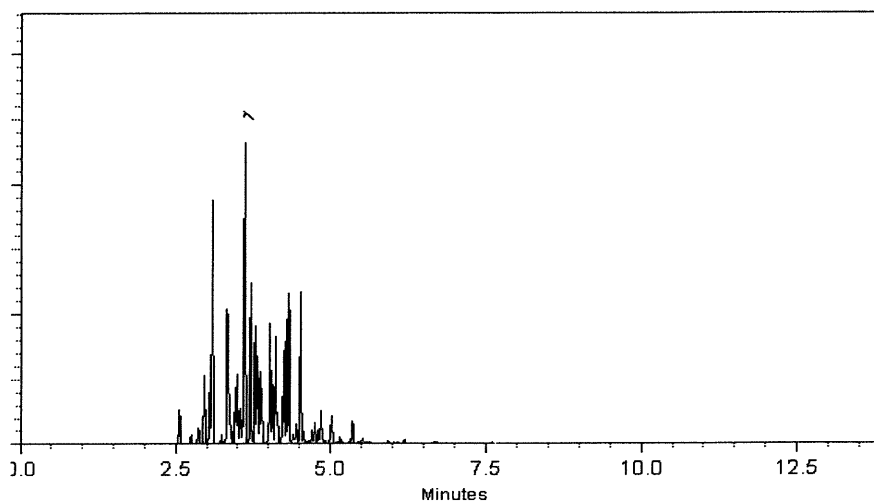
Carrier Gas:
helium-constant pressure 20 psi.

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



CERTIFIED REFERENCE MATERIAL

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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. : 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 CAS # 11097-69-1 (Lot 124-191-B) Purity ----%	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric +/- 31.7284 µg/mL Unstressed +/- 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:

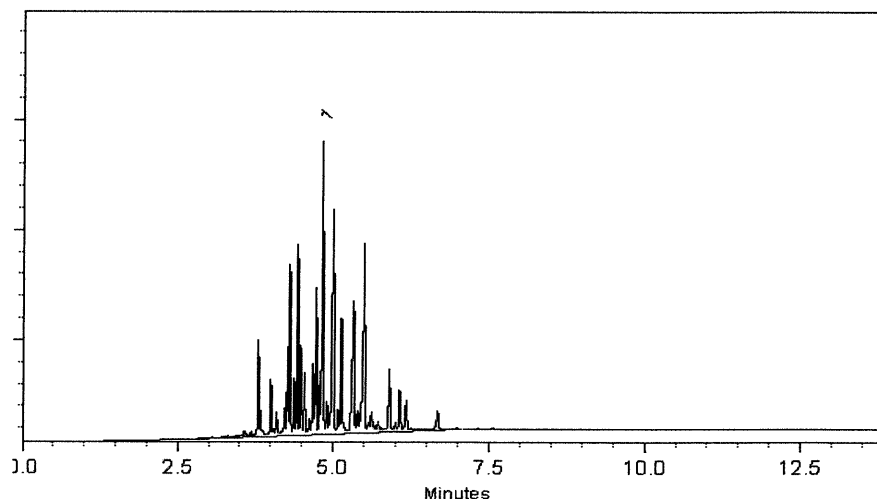
250°C

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 / (5)

AR
04/30/22



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. : 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 Purity ----%	1,001.4 µg/mL (Lot 10947000)	+/- 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
⑤

UAR
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:

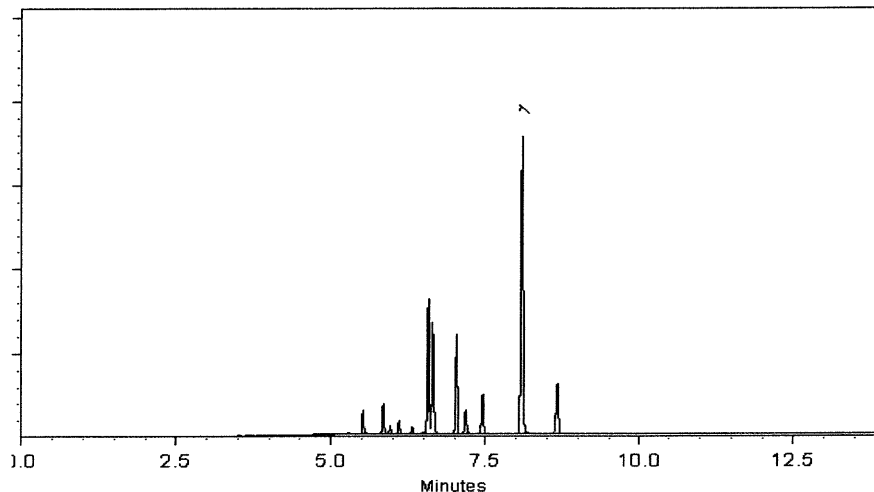
250°C

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
[Signature]
04/30/2022



CERTIFIED WEIGHT REPORT

Part Number: 20064
Lot Number: 033121
Description: CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260
033131
Ambient (20 °C)
1000
6UTB
NIST Test ID#:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

Solvent(s): Hexane
Lot# 233256

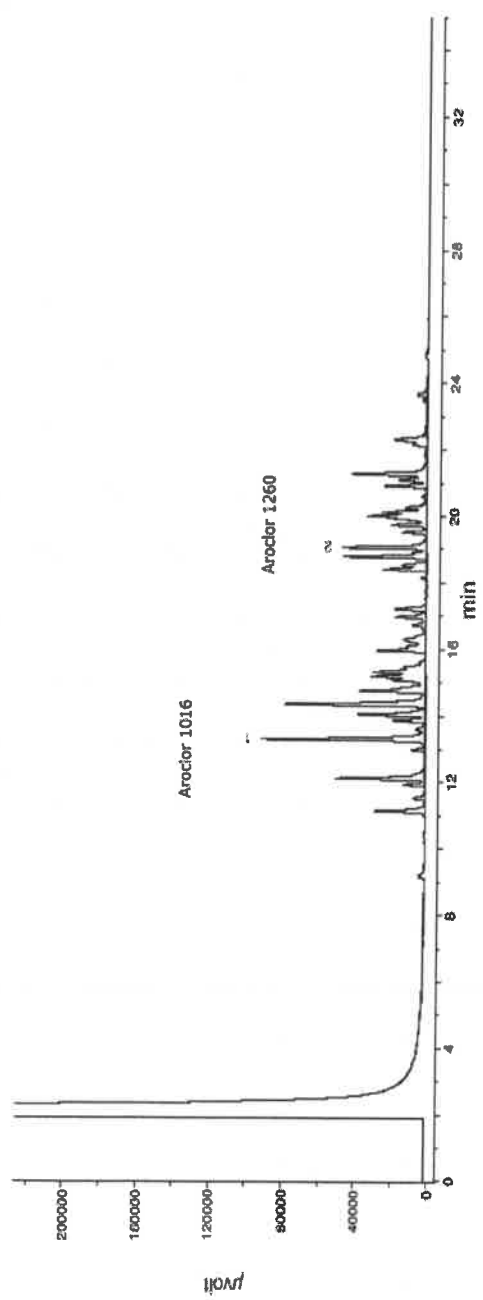
Formulated By: Prashant Chauhan	033121
Reviewed By: Pedro L. Renteria	033121

Weight(s) shown below were combined and diluted to (mL): 200.1 5E-05 Balance Uncertainty 0.058 Flask Uncertainty

SDS Information												
(Solvent Safety Info. On Attached pg.)												
Compound	RM#	Lot Number	Nominal Conc (ug/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (ug/mL)	Expanded Uncertainty (+/-) (ug/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20007	0.20025	1000.9	4.1	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20007	0.20035	1001.4	4.1	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 Stortier
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 = Etdaq Channel 1
Standard injection = 1.5µL, Range=3



P12201
AS
11/16/22
J
P12210



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(
Aceton

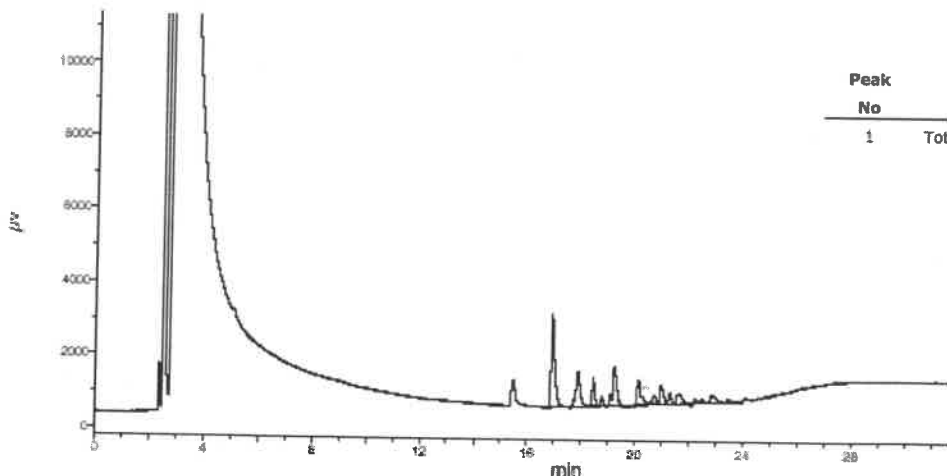
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

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 Measure 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





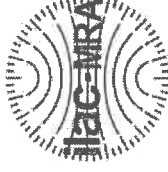
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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.: 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

12/27/23

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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

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

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:

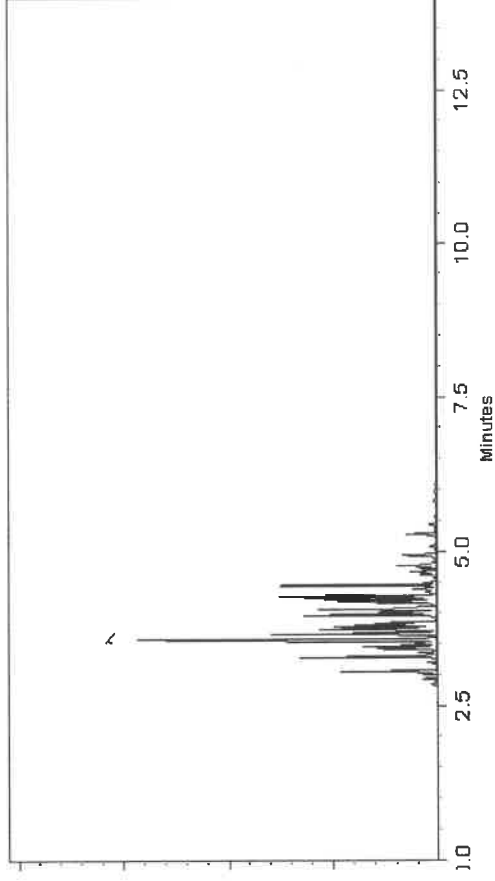
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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 Boothamer

Russ Boothamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial #

B442140311

Jennifer Polino

Jennifer Polino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

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



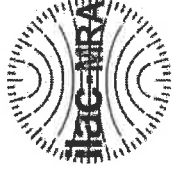
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No.: 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

P1210967
P1210977
P1210973
P1210973

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

Solvent: Hexane

CAS # 110-54-3

Purity 99%

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

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:

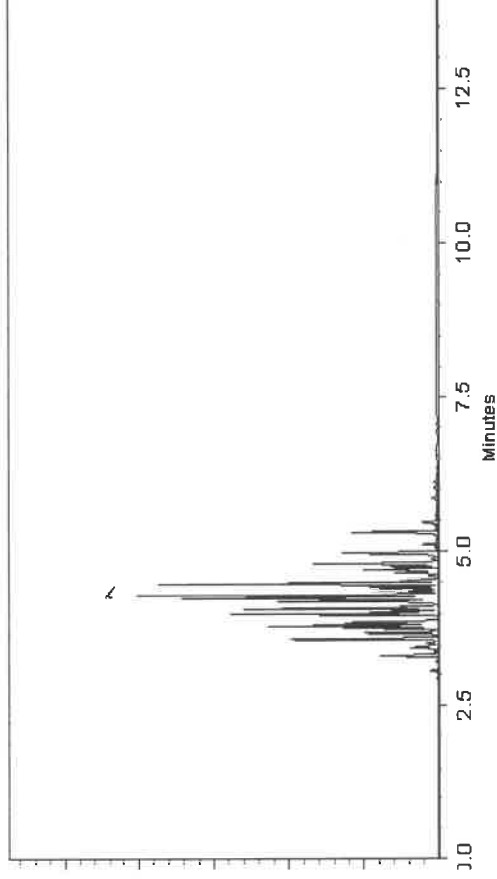
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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.

[Signature]
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

[Signature]
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

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



Certified Reference Material CRM

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

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Nominal Conc (µg/mL):
200.0

Weight(s) shown below were combined and diluted to (mL):

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

Formulated By:
Benson Chan

Reviewed By:
Pedro L. Rentas

DATE
022023

DATE
022023

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

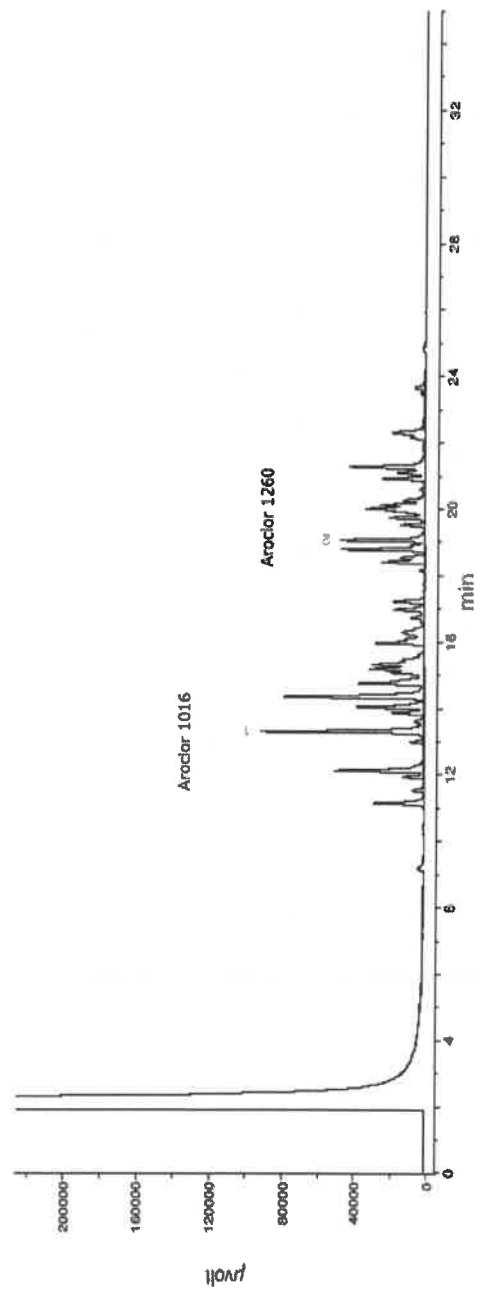
Nominal Conc (µg/mL):
200.0

Weight(s) shown below were combined and diluted to (mL):

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	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	11086-82-5	0.5mg/m3	orl-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).
* 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 Stortier
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 = 280°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 = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: 99139
Lot Number: 121823
Description: Aroclor 1254

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
Note: Aroclor 1254 is a mix of isomers.

Solvent(s): Iso-octane
Lot#: 82227

Formulated By: Anthony Mahoney	121823	DATE
Reviewed By: Pedro L. Rentas	121823	DATE

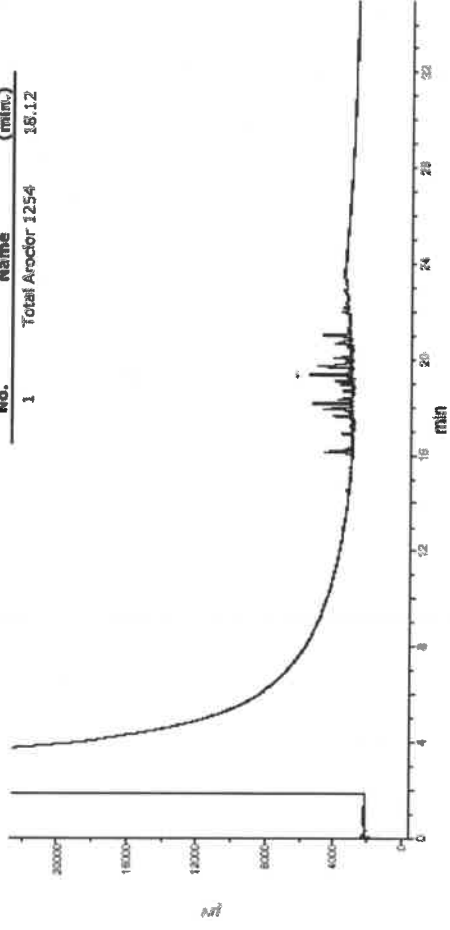
P12956 / Y.P.
12/18/23
P12957

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Initial Uncertainty	Pipette (mL)	Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information		
											(Solvent Safety Info. On Attached pg.)	CAS#	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	0.017	1003.3	100.1	11097-69-1	1.8	0.5mg/m3 (skin)		or-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 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 = 250 °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

Peak No.	Name	FID RT (min.)
1	Total Aroclor 1254	18.12





CERTIFIED WEIGHT REPORT

Part Number: 90165
Lot Number: 112322
Description: Atrocior 1262
Expiration Date: 112332
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6LUTB
Weight(s) shown were combined and diluted to (mL): 50.0

Solvent(s): Hexane
Lot# 273615

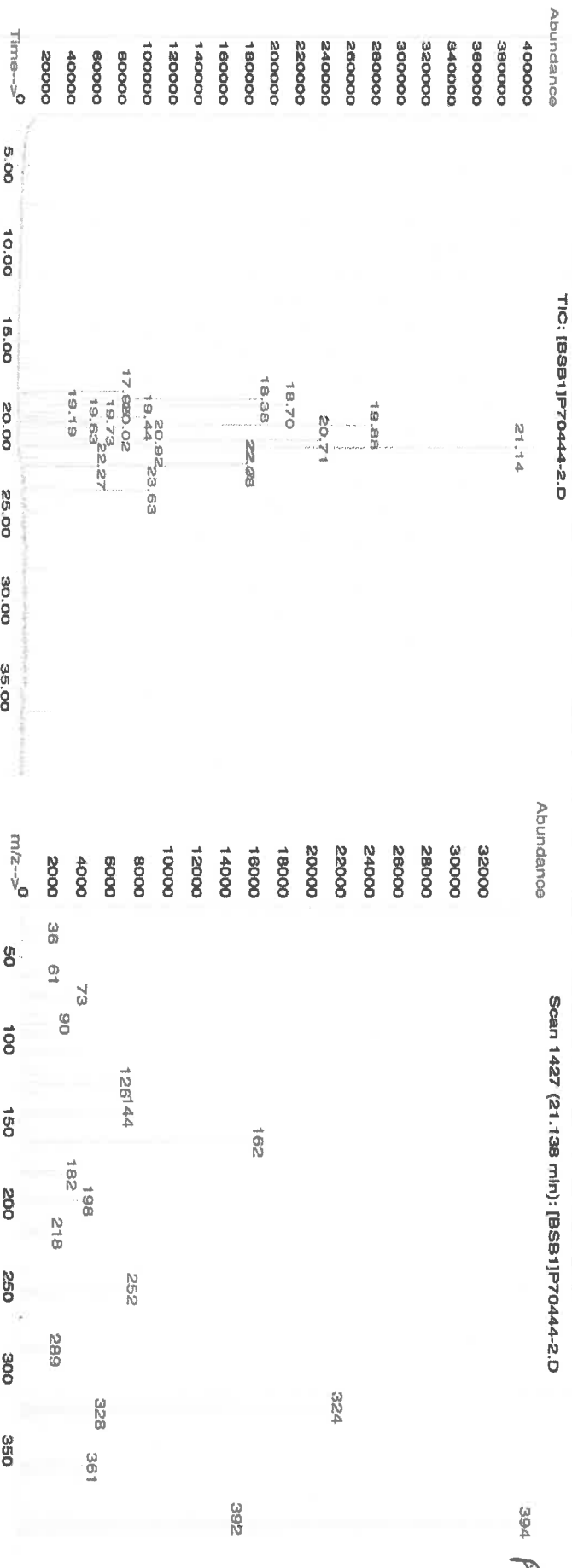
SE-05 Balance Uncertainty
0.005 Flask Uncertainty

Formulated By:	Prashant Chauhan	112322	DATE
Reviewed By:	Pedro L. Rentes	112322	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
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1. Atrocior 1262 444 W-130-05 1000 100 0.2 0.05003 0.05016 1002.7 4.5 37324-23-5 N/A or-ral 11300mg/kg

Method GC/MSD-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).

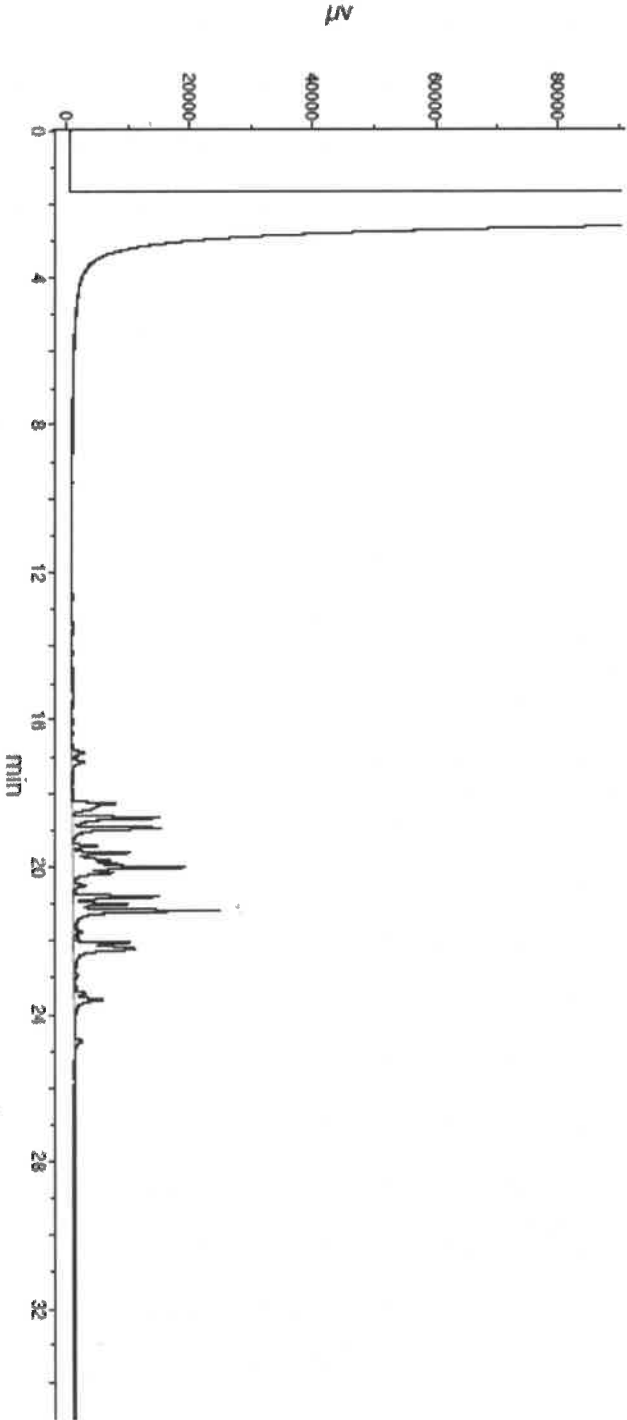


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

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





SHIPPING DOCUMENTS

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