

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : FT MEADE TIPTON AIRFIELD PARCEL RI - PO 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : P5380

ATTENTION : Nathan Fretz



Laboratory Certification ID # 20012



1) PCB Data	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	7
5) Conformance/Non Conformance	8
6) QA Checklist	10
7) Chronicle	11
8) Hit Summary	12
9) QC Data Summary For PCB	13
9.1) Deuterated Monitoring Compound Summary	14
9.2) MS/MSD Summary	15
9.3) LCS/LCSD Summary	17
9.4) Method Blank Summary	18
10) Sample Data	19
10.1) TAPIAL3-IDW-SOIL-122024-T1	20
11) Calibration Data Summary	24
11.1) Initial Calibration Data	25
11.1.1) PO120624	25
11.2) Continued Calibration Data	244
11.2.1) PO108758.D	244
11.2.2) PO108773.D	256
11.3) Analytical Seq	268
12) Compound Detection Summary	270
13) QC Sample Data	275
13.1) Method Blank Data	276
13.2) PIBLK Data	280
13.3) LCS Data	292
13.4) MS Data	301
13.5) MSD Data	313
14) Manual Integration	325
15) Analytical Runlogs	331
16) Percent Solid	339
17) Extraction Logs	342
17.1) PB165843.pdf	342
17.2) PB165843IC.pdf	344

Table Of Contents for P5380

18) Standard Prep Logs	345
19) Shipping Document	435
19.1) Chain Of Custody	436
19.2) Lab Certificate	437
20) Not Reviewed Data	438

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

Cover Page

Order ID : P5380

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number

P5380-01
P5380-02

Client Sample Number

TAPIAL3-IDW-SOIL-122024-T1
TAPIAL3-IDW-SOIL-122024-T1

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: 12/30/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions

Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Project # N/A

Chemtech Project # P5380

Test Name: PCB

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 12/21/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. 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 except for AU-06-122024MS [Decachlorobiphenyl(1) - 55%], AU-06-122024MSD [Decachlorobiphenyl(1) - 59%] as per method one surrogate is allowed to failed, therefore no corrective action was taken.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

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

F. Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vi) (Ws) (D)}$$

Where,

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

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

Vt = Volume of the concentrated extract in uL

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

Ws = Weight of sample extracted (g).

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

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

DF = Dilution Factor

G. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5380

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. The Surrogate recoveries met the acceptable criteria except for AU-06-122024MS [Decachlorobiphenyl(1) - 55%], AU-06-122024MSD [Decachlorobiphenyl(1) - 59%] as per method one surrogate is allowed to failed, therefore no corrective action was taken.		✓	
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:			✓



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5380

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/30/2024

LAB CHRONICLE

OrderID:	P5380	OrderDate:	12/23/2024 9:50:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-01	TAPIAL3-IDW-SOIL-1 22024-T1	SOIL			12/20/24			12/21/24
			PCB	8082A		12/26/24	12/26/24	

Hit Summary Sheet
SW-846

SDG No.: P5380

Order ID: P5380

Client: Weston Solutions

Project ID: Ft Meade Tipton Airfield Parcel RI - P

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

Total Concentration: 0.000



QC SUMMARY

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

Surrogate Summary

SDG No.: **P5380**

Client: **Weston Solutions**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO108361.D	PIBLK-PO108361.D	Tetrachloro-m-xylene	1	20	23.0	115		60	140
		Decachlorobiphenyl	1	20	23.6	118		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	23.6	118		60	140
I.BLK-PO108762.D	PIBLK-PO108762.D	Tetrachloro-m-xylene	1	20	21.8	109		60	140
		Decachlorobiphenyl	1	20	21.3	107		60	140
		Tetrachloro-m-xylene	2	20	20.0	100		60	140
		Decachlorobiphenyl	2	20	22.1	110		60	140
PB165843BL	PB165843BL	Tetrachloro-m-xylene	1	20	22.0	110		44	130
		Decachlorobiphenyl	1	20	22.2	111		60	125
		Tetrachloro-m-xylene	2	20	20.0	100		44	130
		Decachlorobiphenyl	2	20	22.9	115		60	125
PB165843BS	PB165843BS	Tetrachloro-m-xylene	1	20	21.2	106		44	130
		Decachlorobiphenyl	1	20	21.7	108		60	125
		Tetrachloro-m-xylene	2	20	19.2	96		44	130
		Decachlorobiphenyl	2	20	23.2	116		60	125
P5318-01MS	AU-06-122024MS	Tetrachloro-m-xylene	1	20	13.5	67		44	130
		Decachlorobiphenyl	1	20	10.9	55	*	60	125
		Tetrachloro-m-xylene	2	20	12.4	62		44	130
		Decachlorobiphenyl	2	20	12.1	61		60	125
P5318-01MSD	AU-06-122024MSD	Tetrachloro-m-xylene	1	20	13.9	70		44	130
		Decachlorobiphenyl	1	20	11.8	59	*	60	125
		Tetrachloro-m-xylene	2	20	13.6	68		44	130
		Decachlorobiphenyl	2	20	13.3	66		60	125
P5380-01	TAPIAL3-IDW-SOIL-122024-T1	Tetrachloro-m-xylene	1	20	20.5	102		44	130
		Decachlorobiphenyl	1	20	14.3	71		60	125
		Tetrachloro-m-xylene	2	20	19.4	97		44	130
		Decachlorobiphenyl	2	20	16.1	80		60	125
I.BLK-PO108777.D	PIBLK-PO108777.D	Tetrachloro-m-xylene	1	20	20.5	102		60	140
		Decachlorobiphenyl	1	20	18.1	90		60	140
		Tetrachloro-m-xylene	2	20	19.4	97		60	140
		Decachlorobiphenyl	2	20	19.9	100		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: 8082A

DataFile : PO108767.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	AU-06-122024MS											
P5318-01MS	AR1016	193.2	0	138	ug/kg	71				47	134	
	AR1260	193.2	8.7	124	ug/kg	60				53	140	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: 8082A

DataFile : PO108768.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	AU-06-122024MSD											
P5318-01MSD	AR1016	193.1	0	134	ug/kg	69		3		47	134	20
	AR1260	193.1	8.7	127	ug/kg	61		2		53	140	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: 8082A

Datafile : PO108764.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165843BS	AR1016	166.6	165	ug/kg	99				47	134	
	AR1260	166.6	166	ug/kg	100				53	140	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165843BL

Lab Name: CHEMTECH

Contract: WEST04

Lab Code: CHEM Case No.: P5380

SAS No.: P5380 SDG NO.: P5380

Lab Sample ID: PB165843BL

Lab File ID: PO108763.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/26/2024

Date Analyzed (1): 12/26/2024

Date Analyzed (2): 12/26/2024

Time Analyzed (1): 12:21

Time Analyzed (2): 12:21

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
PB165843BS	PB165843BS	PO108764.D	12/26/2024	12/26/2024
AU-06-122024MS	P5318-01MS	PO108767.D	12/26/2024	12/26/2024
AU-06-122024MSD	P5318-01MSD	PO108768.D	12/26/2024	12/26/2024
TAPIAL3-IDW-SOIL-122024-T1	P5380-01	PO108769.D	12/26/2024	12/26/2024

COMMENTS: _____



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.3
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
PO108769.D	1	12/26/24 08:30	12/26/24 14:10	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.60	U	3.90	9.60	19.7	ug/kg
11104-28-2	Aroclor-1221	15.0	U	7.40	15.0	19.7	ug/kg
11141-16-5	Aroclor-1232	15.0	U	3.90	15.0	19.7	ug/kg
53469-21-9	Aroclor-1242	9.60	U	3.90	9.60	19.7	ug/kg
12672-29-6	Aroclor-1248	15.0	U	9.10	15.0	19.7	ug/kg
11097-69-1	Aroclor-1254	15.0	U	3.20	15.0	19.7	ug/kg
37324-23-5	Aroclor-1262	9.60	U	5.30	9.60	19.7	ug/kg
11100-14-4	Aroclor-1268	15.0	U	4.00	15.0	19.7	ug/kg
11096-82-5	Aroclor-1260	9.60	U	3.40	9.60	19.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.5		44 - 130		102%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		60 - 125		80%	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\PO122624\
 Data File : PO108769.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Dec 2024 14:10
 Operator : YP/AJ
 Sample : P5380-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TAPIAL3-IDW-SOIL-122024-T1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
 Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 26 20:26:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	178.3E6	98283405	20.495	19.388
2) SA Decachlor...	8.766	8.716	104.2E6	62173199	14.271	16.045m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 14:10
Operator : YP/AJ
Sample : P5380-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

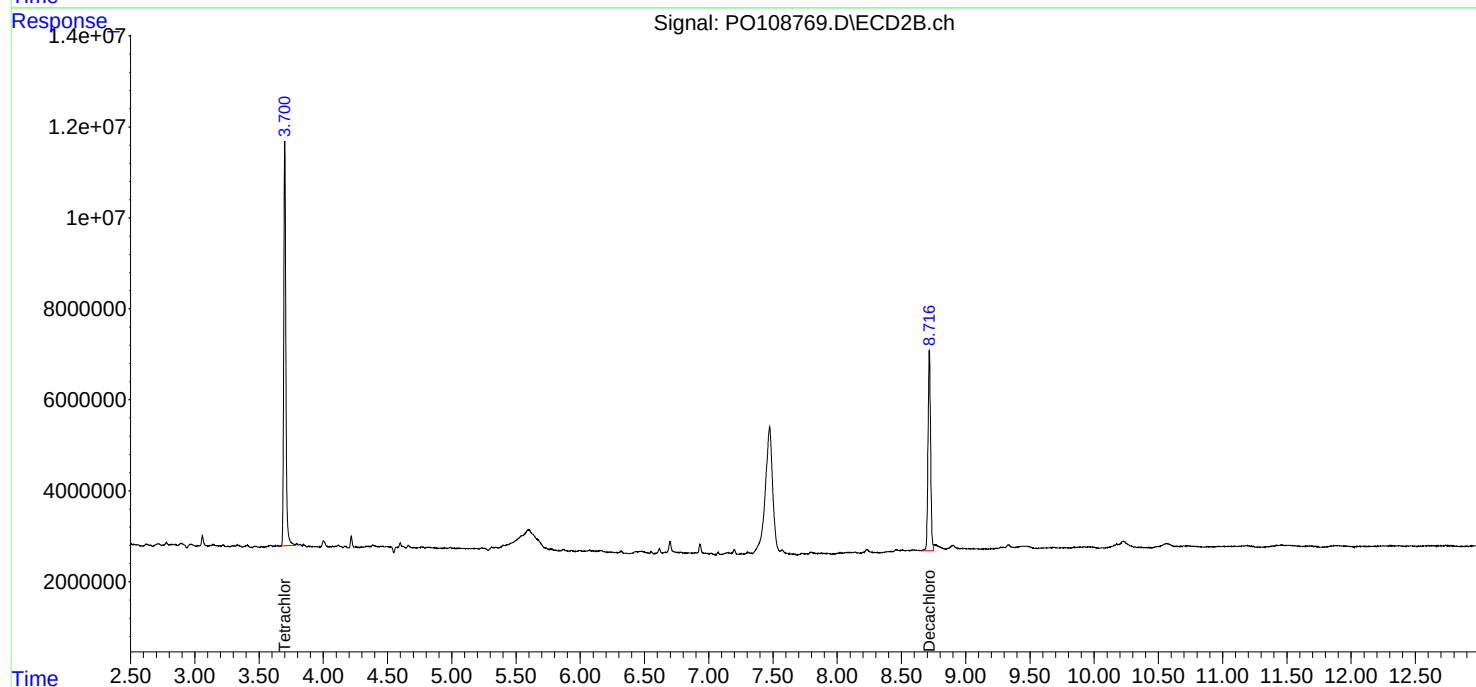
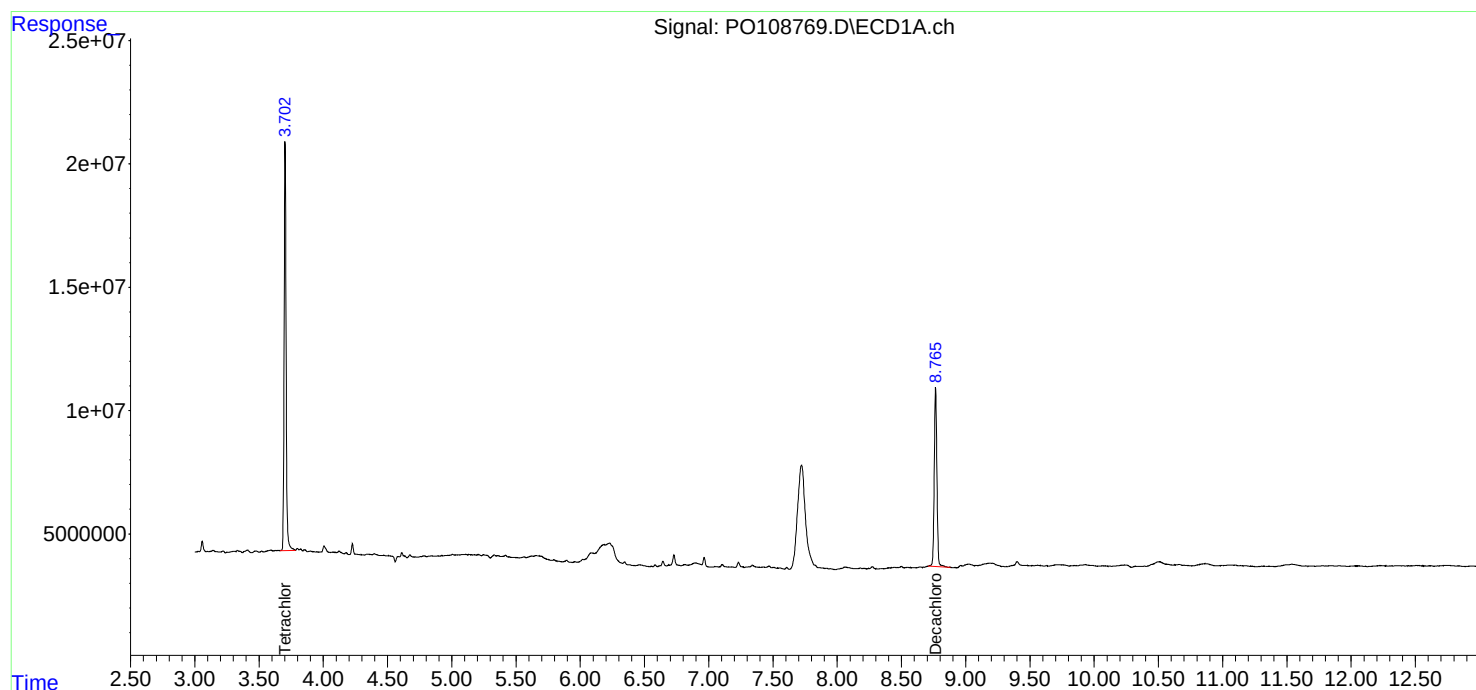
Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

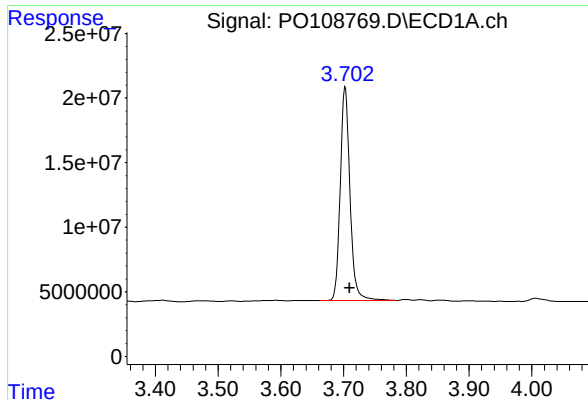
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:26:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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.: 3.703 min
Delta R.T.: -0.007 min
Response: 178309080
Conc: 20.49 ng/ml

Instrument :

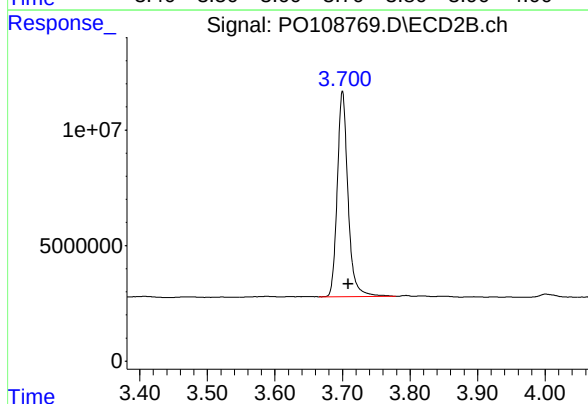
ECD_O

ClientSampleId :

TAPIAL3-IDW-SOIL-122024-T1

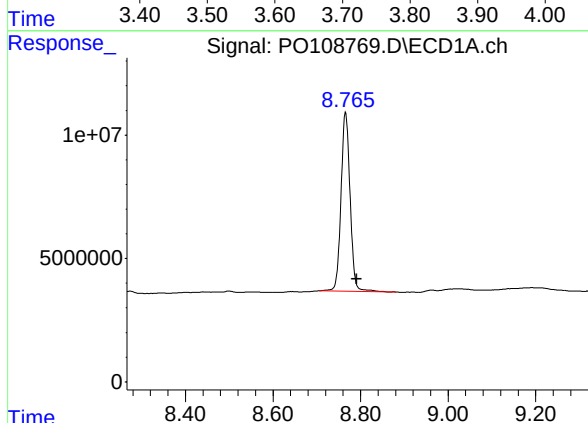
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



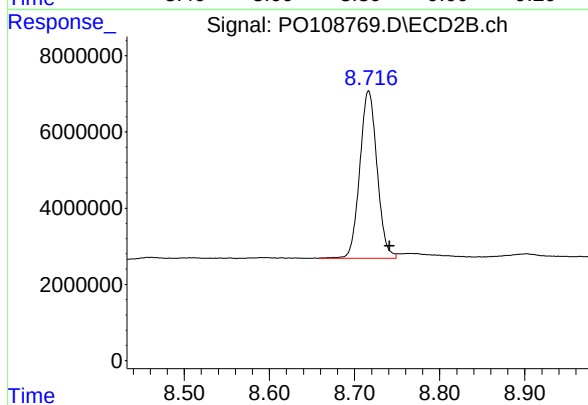
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.008 min
Response: 98283405
Conc: 19.39 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.766 min
Delta R.T.: -0.025 min
Response: 104233514
Conc: 14.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.716 min
Delta R.T.: -0.025 min
Response: 62173199
Conc: 16.05 ng/ml m



CALIBRATION SUMMARY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

RETENTION TIMES OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** P5380 **SAS No.:** P5380 **SDG NO.:** P5380
Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024
Calibration Times: 14:19 22:34

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

LAB FILE ID:	RT 1000 = <u>PO108362.D</u>	RT 750 = <u>PO108363.D</u>
RT 500 = <u>PO108364.D</u>	RT 250 = <u>PO108365.D</u>	RT 050 = <u>PO108366.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-2	(2)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1016-3	(3)	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Aroclor-1016-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1016-5	(5)	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
Aroclor-1260-1	(1)	6.31	6.31	6.31	6.31	6.31	6.31	6.21	6.41
Aroclor-1260-2	(2)	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Aroclor-1260-3	(3)	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1260-4	(4)	7.13	7.13	7.13	7.13	7.13	7.13	7.03	7.23
Aroclor-1260-5	(5)	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1242-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1242-2	(2)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1242-3	(3)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-4	(4)	5.01	5.01	5.01	5.00	5.00	5.01	4.91	5.11
Aroclor-1242-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1248-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1248-2	(2)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1248-3	(3)	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1254-1	(1)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1254-2	(2)	5.77	5.77	5.77	5.77	5.77	5.77	5.67	5.87
Aroclor-1254-3	(3)	6.18	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Aroclor-1254-4	(4)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1254-5	(5)	6.83	6.83	6.83	6.83	6.83	6.83	6.73	6.93
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1268-1	(1)	7.65	7.65	7.65	7.66	7.66	7.65	7.55	7.75
Aroclor-1268-2	(2)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Aroclor-1268-3	(3)	7.93	7.93	7.93	7.93	7.93	7.93	7.83	8.03
Aroclor-1268-4	(4)	8.22	8.22	8.22	8.22	8.22	8.22	8.12	8.32
Aroclor-1268-5	(5)	8.52	8.52	8.52	8.52	8.52	8.52	8.42	8.62

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81

RETENTION TIMES OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** P5380 **SAS No.:** P5380 **SDG NO.:** P5380
Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024
Calibration Times: 14:19 22:34

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

LAB FILE ID: **RT 1000 =** PO108362.D **RT 750 =** PO108363.D
RT 500 = PO108364.D **RT 250 =** PO108365.D **RT 050 =** PO108366.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1	(1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-2	(2)	4.82	4.82	4.82	4.82	4.82	4.82	4.72	4.92
Aroclor-1016-3	(3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-4	(4)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1260-3	(3)	6.63	6.63	6.63	6.63	6.63	6.63	6.53	6.73
Aroclor-1260-4	(4)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1260-5	(5)	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1242-1	(1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-2	(2)	4.82	4.82	4.82	4.82	4.82	4.82	4.72	4.92
Aroclor-1242-3	(3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-4	(4)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-5	(5)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1248-1	(1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1248-2	(2)	5.04	5.04	5.03	5.03	5.04	5.04	4.94	5.14
Aroclor-1248-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1248-4	(4)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1254-1	(1)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1254-4	(4)	6.38	6.38	6.38	6.38	6.38	6.38	6.28	6.48
Aroclor-1254-5	(5)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1268-1	(1)	7.62	7.62	7.62	7.62	7.62	7.62	7.52	7.72
Aroclor-1268-2	(2)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1268-3	(3)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1268-4	(4)	8.18	8.18	8.18	8.18	8.18	8.18	8.08	8.28
Aroclor-1268-5	(5)	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** P5380 **SAS No.:** P5380 **SDG NO.:** P5380
Instrument ID: ECD_O
Calibration Date(s): 12/06/2024 12/06/2024
Calibration Times: 14:19 22:34

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

LAB FILE ID:		CF 1000 = <u>PO108362.D</u>		CF 750 = <u>PO108363.D</u>			
CF 500 = <u>PO108364.D</u>		CF 250 = <u>PO108365.D</u>		CF 050 = <u>PO108366.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	291946997	297743768	310620664	319628964	322276700	4
Aroclor-1016-2	(2)	404548343	410201719	419086158	434302728	418957120	3
Aroclor-1016-3	(3)	276313882	283350735	295214768	305005424	303271420	4
Aroclor-1016-4	(4)	219460370	224028880	231955104	239248200	241192240	4
Aroclor-1016-5	(5)	230837381	238568924	249276722	260302648	279364560	8
Aroclor-1260-1	(1)	430087746	435401064	458150304	486996644	475087940	5
Aroclor-1260-2	(2)	526959551	526383048	555764632	590931960	578558580	5
Aroclor-1260-3	(3)	436965341	443883275	464184392	487588856	485769460	5
Aroclor-1260-4	(4)	403312630	406530869	426472890	444299896	446086500	5
Aroclor-1260-5	(5)	957132439	955503789	984649950	1000570432	961557080	2
Decachlorobiphenyl		7019975940	7102279760	7343195240	7645101200	7409935200	3
Tetrachloro-m-xylene		8754554380	8783699800	8926447760	8858353120	8177601800	3
Aroclor-1242-1	(1)	247125512	244458381	250566506	269052152	275422740	5
Aroclor-1242-2	(2)	337820704	332549081	339649972	356992284	358797680	3
Aroclor-1242-3	(3)	232389462	228960781	237971694	251417972	255318460	5
Aroclor-1242-4	(4)	184244210	179103536	186955244	196540012	206728220	6
Aroclor-1242-5	(5)	194011522	194743607	197474576	218140108	233983940	9
Decachlorobiphenyl		7151632520	7167100640	7259242160	7695082840	7616154000	4
Tetrachloro-m-xylene		8921368150	8691850413	8750108140	8842570400	8500038400	2
Aroclor-1248-1	(1)	180443308	190883876	199902132	213303984	216831760	8
Aroclor-1248-2	(2)	246301061	262357348	276907834	298582396	301778920	9
Aroclor-1248-3	(3)	307776547	326479597	342321706	362333244	366087160	7
Aroclor-1248-4	(4)	437732929	457834677	479474244	502800428	504795820	6
Aroclor-1248-5	(5)	308766537	323271540	339143702	357998428	363873980	7
Decachlorobiphenyl		7041971050	7340001867	7677772660	8334328560	8377267200	8
Tetrachloro-m-xylene		8742483090	9116744787	9342439560	9446963040	8577776400	4
Aroclor-1254-1	(1)	463230517	487037587	512031514	533861324	572040640	8
Aroclor-1254-2	(2)	407035308	429134731	452892530	476390932	511836900	9
Aroclor-1254-3	(3)	665923649	695083201	726473802	743208540	769953480	6
Aroclor-1254-4	(4)	404280854	421077525	444268156	458648100	465789400	6
Aroclor-1254-5	(5)	578915300	604639081	636092894	662542188	693421140	7
Decachlorobiphenyl		7146512650	7451889427	7845842200	8029803560	8289288000	6
Tetrachloro-m-xylene		8916956510	9205112240	9483653100	9313097600	8995829000	3
Aroclor-1268-1	(1)	1246089127	1198545457	1234114434	1276827264	1264498100	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1144198522	1088520925	1112229462	1147435628	1115923840	1121661675	2
Aroclor-1268-3	(3)	940965396	832346444	919340748	953365360	884986220	906200834	5
Aroclor-1268-4	(4)	385949324	370268229	384086808	404665236	389544200	386902759	3
Aroclor-1268-5	(5)	2890019913	2756282528	2773652360	2815336668	2624622080	2771982710	4
Decachlorobiphenyl		13116054520	12684928373	12985206200	13660251040	13550255000	13199339027	3
Tetrachloro-m-xylene		9439924600	8926085107	9366220020	9585299080	8679584000	9199422561	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** P5380 **SAS No.:** P5380 **SDG NO.:** P5380
Instrument ID: ECD_O
Calibration Date(s): 12/06/2024 12/06/2024
Calibration Times: 14:19 22:34

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

LAB FILE ID:		CF 1000 = <u>PO108362.D</u>		CF 750 = <u>PO108363.D</u>			
CF 500 = <u>PO108364.D</u>		CF 250 = <u>PO108365.D</u>		CF 050 = <u>PO108366.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	153895169	156728372	161981056	169073964	160692820	4
Aroclor-1016-2	(2)	216342839	218481491	224728354	232664856	218246400	3
Aroclor-1016-3	(3)	120117826	122069885	126984464	131660600	128335340	4
Aroclor-1016-4	(4)	96843518	100727947	106065160	112123848	108269060	6
Aroclor-1016-5	(5)	124135109	128707045	133919966	139473364	149819760	7
Aroclor-1260-1	(1)	220557751	224688929	233372252	247245708	244312440	5
Aroclor-1260-2	(2)	265498816	268435476	278836448	291165028	298902840	5
Aroclor-1260-3	(3)	247895049	250737920	258985508	271036448	289186460	6
Aroclor-1260-4	(4)	206205103	207830825	214807128	221847076	213061100	3
Aroclor-1260-5	(5)	485216265	483370987	491130416	498849136	461100640	3
Decachlorobiphenyl		3766442770	3798929547	3925647180	4081005080	3802565400	3
Tetrachloro-m-xylene		5125815400	5157614040	5227779180	5235220160	4600485000	5
Aroclor-1242-1	(1)	129471703	129065633	132661290	141454628	146186400	6
Aroclor-1242-2	(2)	181117644	180316532	183263990	191612732	190980420	3
Aroclor-1242-3	(3)	100948316	100485531	102947708	108518220	114012140	5
Aroclor-1242-4	(4)	100375229	100398940	104407974	111868140	119593080	8
Aroclor-1242-5	(5)	119243844	118999972	122020908	130935164	140800680	7
Decachlorobiphenyl		3837824030	3881889067	3932164520	4142632320	3981873600	3
Tetrachloro-m-xylene		5175637870	5056121747	5062590080	5077379040	4694060200	4
Aroclor-1248-1	(1)	96151235	101173276	106208356	111512520	110549280	6
Aroclor-1248-2	(2)	134456241	142517627	150226096	159660040	159777460	7
Aroclor-1248-3	(3)	143332101	151082947	159714030	169070604	168858280	7
Aroclor-1248-4	(4)	168393487	177299203	184813874	193701216	188544620	5
Aroclor-1248-5	(5)	162171392	168228800	176144562	182809080	188663420	6
Decachlorobiphenyl		3812249930	3973614533	4145380680	4445118560	4295672800	6
Tetrachloro-m-xylene		4965646150	5143987440	5236574340	5255843080	4633325600	5
Aroclor-1254-1	(1)	245816740	256457156	269229946	279215328	303441080	8
Aroclor-1254-2	(2)	215464605	225390397	238770420	248817564	271658880	9
Aroclor-1254-3	(3)	351887512	364509791	380441060	386791796	393925500	5
Aroclor-1254-4	(4)	202983022	209924784	220508360	226093392	228876240	5
Aroclor-1254-5	(5)	301571990	312619885	327015726	332817532	339773740	5
Decachlorobiphenyl		3941299730	4071714027	4258931580	4374402200	4331619600	4
Tetrachloro-m-xylene		5092418740	5228867107	5367266300	5227916200	4998387200	3
Aroclor-1268-1	(1)	656711077	629047555	645909990	662020976	635929760	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	598855523	573599667	581583226	594062960	559533920	581527059	3
Aroclor-1268-3	(3)	514109640	473779721	502419092	515326152	488714860	498869893	4
Aroclor-1268-4	(4)	204541613	194882907	202546298	212150808	201074520	203039229	3
Aroclor-1268-5	(5)	1554458685	1488724905	1492118486	1500575756	1388253260	1484826218	4
Decachlorobiphenyl		7216327300	6964723040	7142803680	7406390760	7194775600	7185004076	2
Tetrachloro-m-xylene		5353757740	5060175947	5259788400	5326606440	4764065600	5152878825	5



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Instrument ID: ECD_O Date(s) Analyzed: 12/06/2024 12/06/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.93	3.83	4.03	113144000
		2	4.01	3.91	4.11	86720400
		3	4.09	3.99	4.19	254206000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.09	3.99	4.19	204770000
		2	4.59	4.49	4.69	114353000
		3	4.83	4.73	4.93	197477000
		4	5.01	4.91	5.11	108380000
		5	5.05	4.95	5.15	78329400
Aroclor-1262	500	1	6.87	6.77	6.97	658396000
		2	7.37	7.27	7.47	1111710000
		3	7.65	7.55	7.75	436856000
		4	7.72	7.62	7.82	806298000
		5	8.22	8.12	8.32	354936000



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Instrument ID: ECD_O Date(s) Analyzed: 12/06/2024 12/06/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.92	3.82	4.02	62122600
		2	4.01	3.91	4.11	47445000
		3	4.08	3.98	4.18	140587000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.08	3.98	4.18	112052000
		2	4.82	4.72	4.92	105754000
		3	4.99	4.89	5.09	60347200
		4	5.08	4.98	5.18	55556400
		5	5.25	5.15	5.35	57576200
Aroclor-1262	500	1	6.84	6.74	6.94	337974000
		2	7.34	7.24	7.44	571854000
		3	7.62	7.52	7.72	224428000
		4	7.69	7.59	7.79	409588000
		5	8.18	8.08	8.28	184828000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:19
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: Dec 07 01:46:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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...	3.710	3.708	875.5E6	512.6E6	98.074	98.050
2) SA Decachlor...	8.791	8.741	702.0E6	376.6E6	95.598	95.945
Target Compounds						
3) L1 AR-1016-1	4.810	4.798	291.9E6	153.9E6	939.883	950.081
4) L1 AR-1016-2	4.830	4.818	404.5E6	216.3E6	965.311	962.686
5) L1 AR-1016-3	4.885	4.994	276.3E6	120.1E6	935.976	945.925
6) L1 AR-1016-4	5.007	5.036	219.5E6	96843518	946.133	913.057
7) L1 AR-1016-5	5.265	5.250	230.8E6	124.1E6	926.029	926.935
31) L7 AR-1260-1	6.310	6.286	430.1E6	220.6E6	938.748	945.090
32) L7 AR-1260-2	6.498	6.473	527.0E6	265.5E6	948.170	952.167
33) L7 AR-1260-3	6.869	6.628	437.0E6	247.9E6	941.362	957.177
34) L7 AR-1260-4	7.129	7.100	403.3E6	206.2E6	945.693	959.955
35) L7 AR-1260-5	7.370	7.340	957.1E6	485.2E6	972.054	987.958

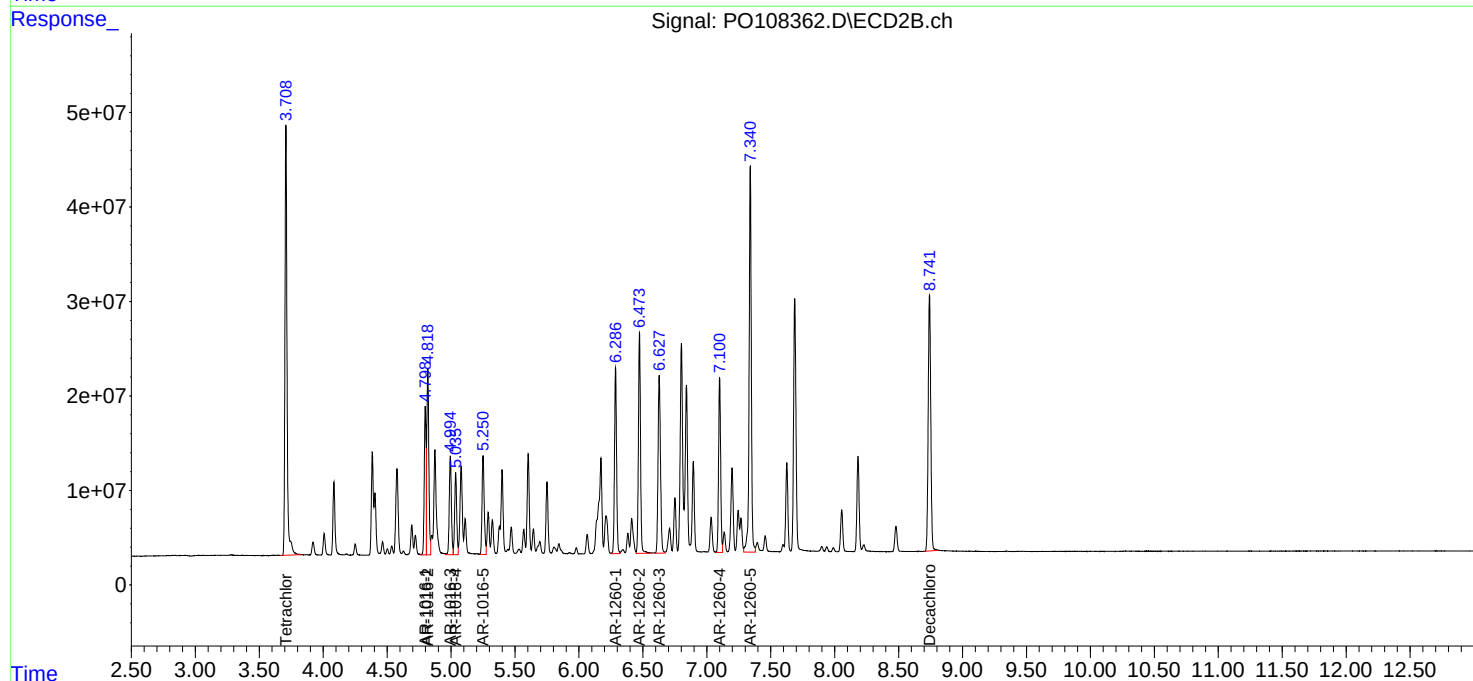
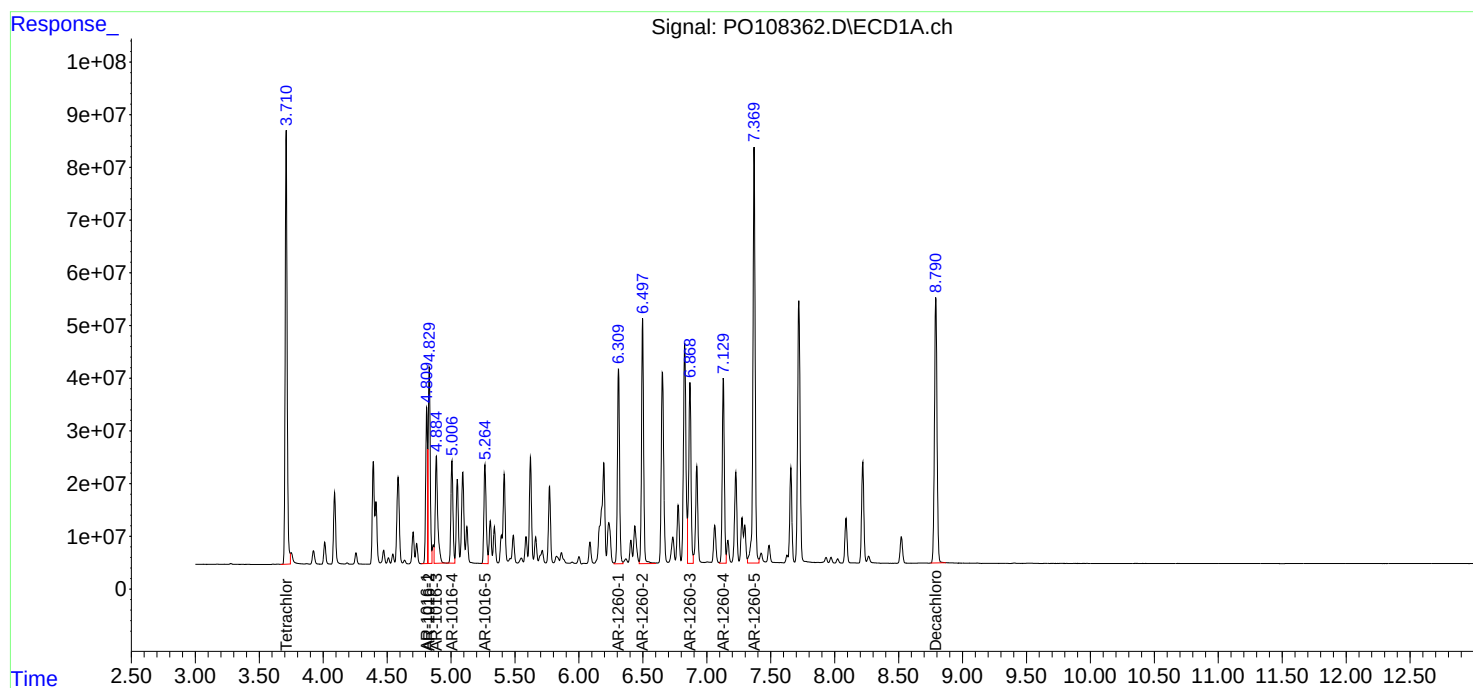
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

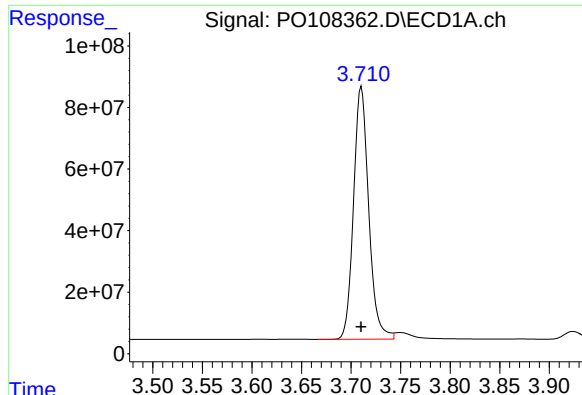
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:19
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 01:46:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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

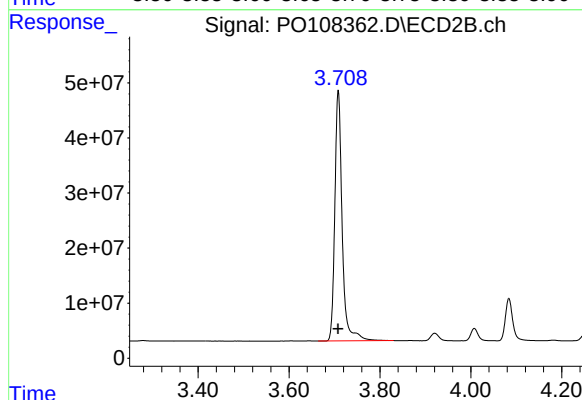




#1 Tetrachloro-m-xylene

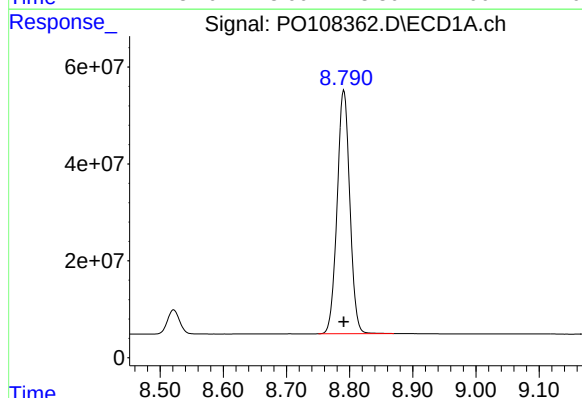
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 875455438
Conc: 98.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



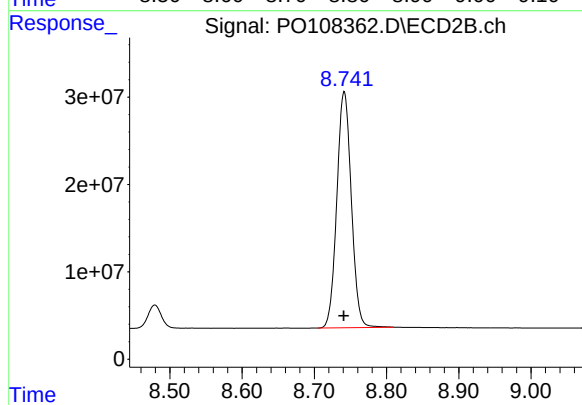
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 512581540
Conc: 98.05 ng/ml



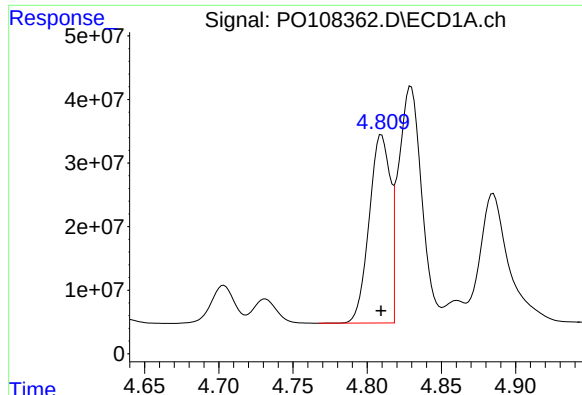
#2 Decachlorobiphenyl

R.T.: 8.791 min
Delta R.T.: 0.000 min
Response: 701997594
Conc: 95.60 ng/ml



#2 Decachlorobiphenyl

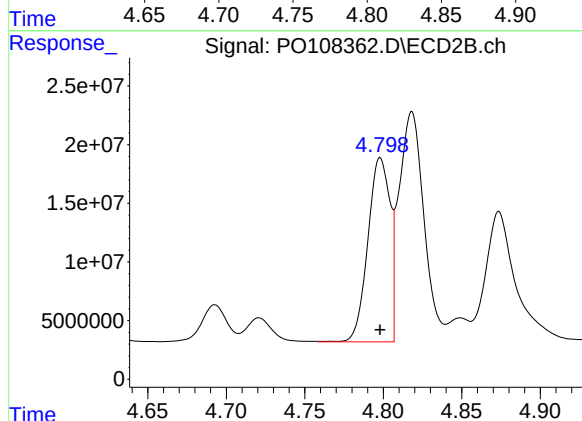
R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 376644277
Conc: 95.94 ng/ml



#3 AR-1016-1

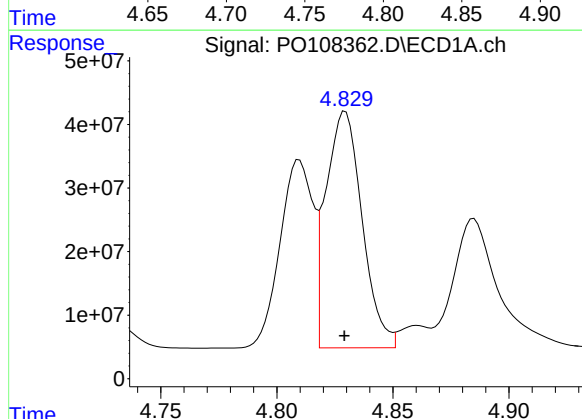
R.T.: 4.810 min
Delta R.T.: 0.000 min
Response: 291946997
Conc: 939.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



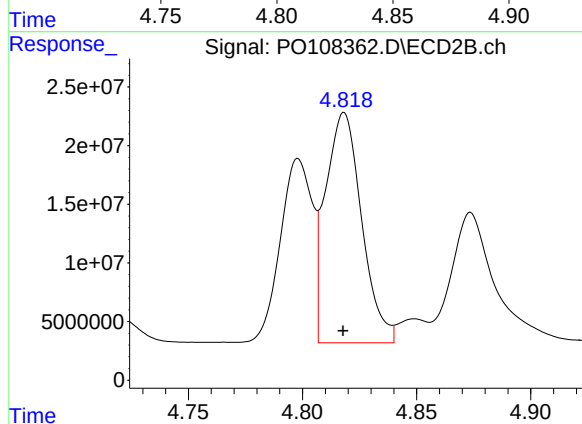
#3 AR-1016-1

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 153895169
Conc: 950.08 ng/ml



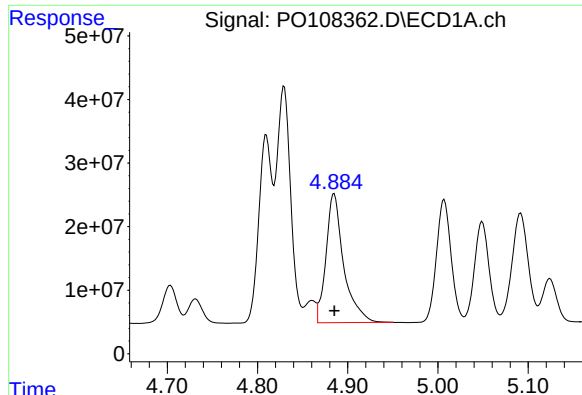
#4 AR-1016-2

R.T.: 4.830 min
Delta R.T.: 0.000 min
Response: 404548343
Conc: 965.31 ng/ml



#4 AR-1016-2

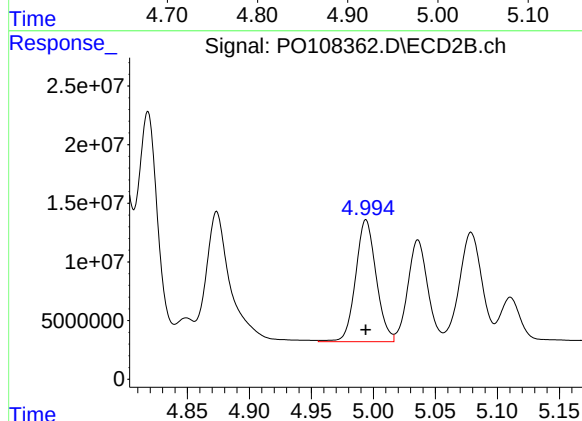
R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 216342839
Conc: 962.69 ng/ml



#5 AR-1016-3

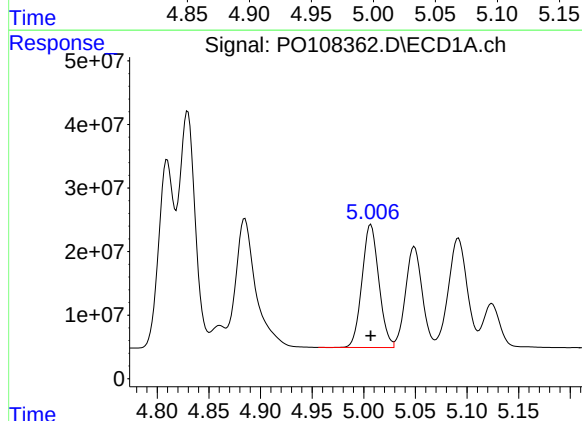
R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 276313882
Conc: 935.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



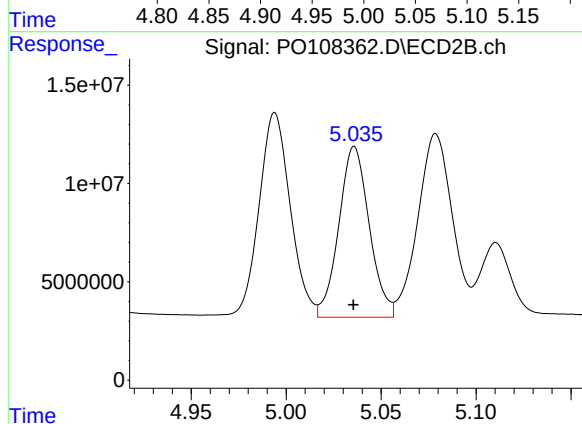
#5 AR-1016-3

R.T.: 4.994 min
Delta R.T.: 0.000 min
Response: 120117826
Conc: 945.93 ng/ml



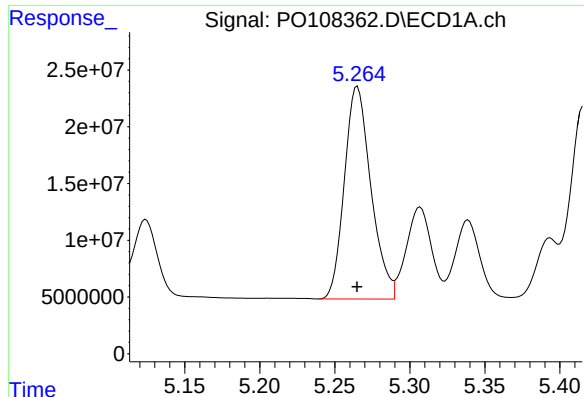
#6 AR-1016-4

R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 219460370
Conc: 946.13 ng/ml



#6 AR-1016-4

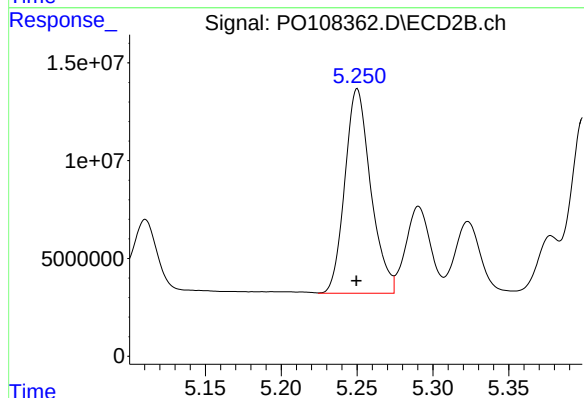
R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 96843518
Conc: 913.06 ng/ml



#7 AR-1016-5

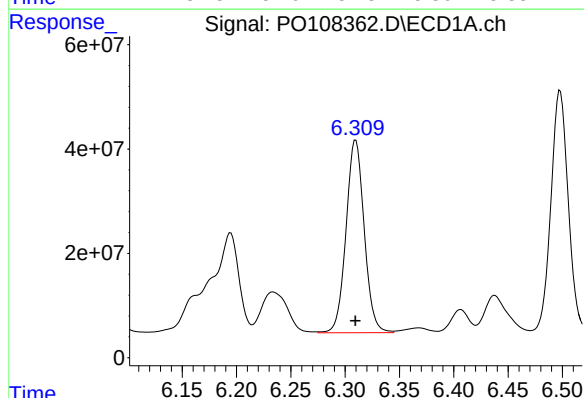
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 230837381
Conc: 926.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



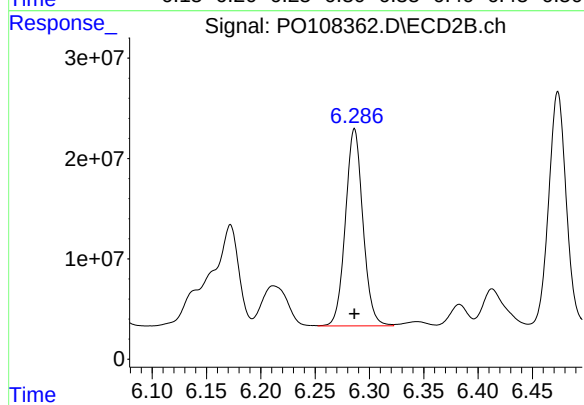
#7 AR-1016-5

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 124135109
Conc: 926.94 ng/ml



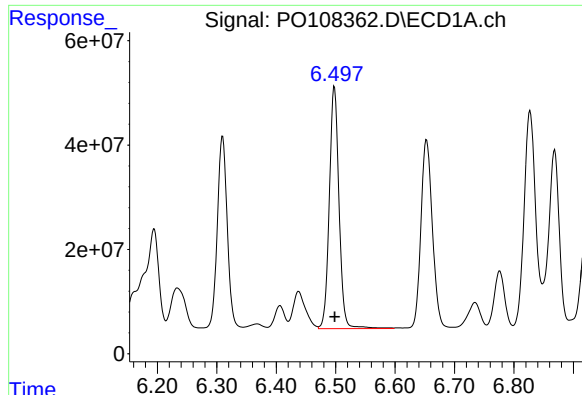
#31 AR-1260-1

R.T.: 6.310 min
Delta R.T.: 0.000 min
Response: 430087746
Conc: 938.75 ng/ml



#31 AR-1260-1

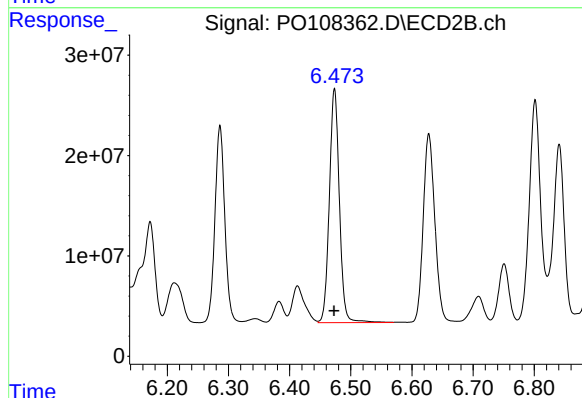
R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 220557751
Conc: 945.09 ng/ml



#32 AR-1260-2

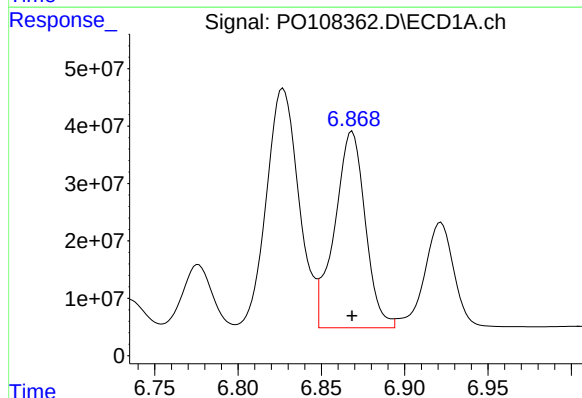
R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 526959551
Conc: 948.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



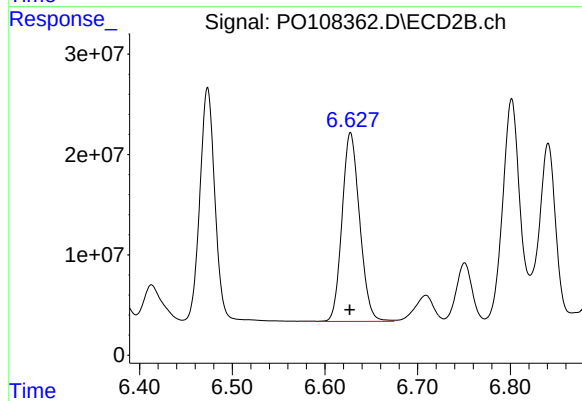
#32 AR-1260-2

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 265498816
Conc: 952.17 ng/ml



#33 AR-1260-3

R.T.: 6.869 min
Delta R.T.: 0.000 min
Response: 436965341
Conc: 941.36 ng/ml



#33 AR-1260-3

R.T.: 6.628 min
Delta R.T.: 0.000 min
Response: 247895049
Conc: 957.18 ng/ml

Response_ Signal: PO108362.D\ECD1A.ch

#34 AR-1260-4

R.T.: 7.129 min
Delta R.T.: 0.000 min
Response: 403312630
Conc: 945.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000

Time

Response_ Signal: PO108362.D\ECD2B.ch

#34 AR-1260-4

R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 206205103
Conc: 959.95 ng/ml

Time

Response_ Signal: PO108362.D\ECD1A.ch

#35 AR-1260-5

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 957132439
Conc: 972.05 ng/ml

Time

Response_ Signal: PO108362.D\ECD2B.ch

#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 485216265
Conc: 987.96 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0120624\
Data File : P0108363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:38
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: Dec 07 01:46:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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...	3.710	3.709	658.8E6	386.8E6	73.801	73.993
2) SA Decachlor...	8.790	8.741	532.7E6	284.9E6	72.539	72.579
Target Compounds						
3) L1 AR-1016-1	4.810	4.799	223.3E6	117.5E6	718.908	725.679
4) L1 AR-1016-2	4.829	4.818	307.7E6	163.9E6	734.100	729.152
5) L1 AR-1016-3	4.885	4.994	212.5E6	91552414	719.859	720.973
6) L1 AR-1016-4	5.007	5.036	168.0E6	75545960	724.371	712.260
7) L1 AR-1016-5	5.265	5.250	178.9E6	96530284	717.783	720.806
31) L7 AR-1260-1	6.309	6.287	326.6E6	168.5E6	712.759	722.094
32) L7 AR-1260-2	6.498	6.474	394.8E6	201.3E6	710.350	722.024
33) L7 AR-1260-3	6.869	6.628	332.9E6	188.1E6	717.199	726.116
34) L7 AR-1260-4	7.129	7.101	304.9E6	155.9E6	714.930	725.642
35) L7 AR-1260-5	7.370	7.340	716.6E6	362.5E6	727.800	738.151

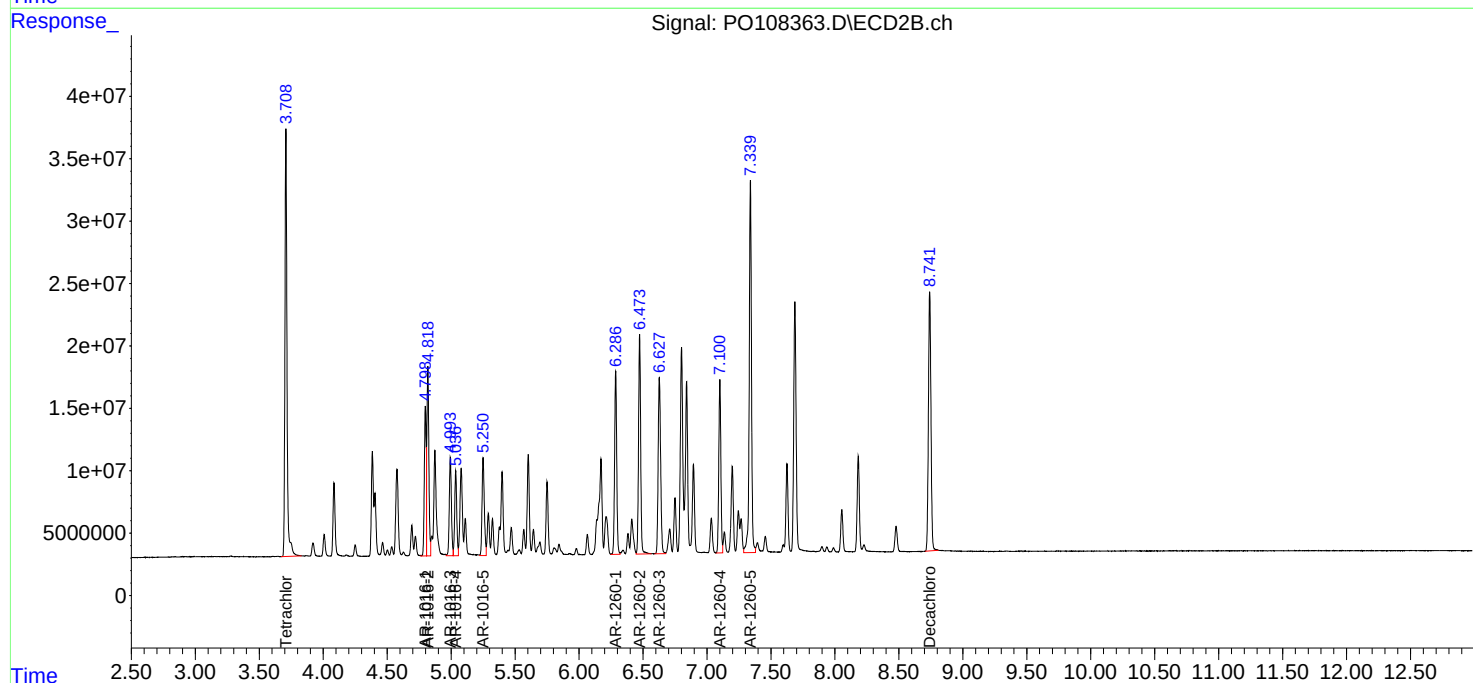
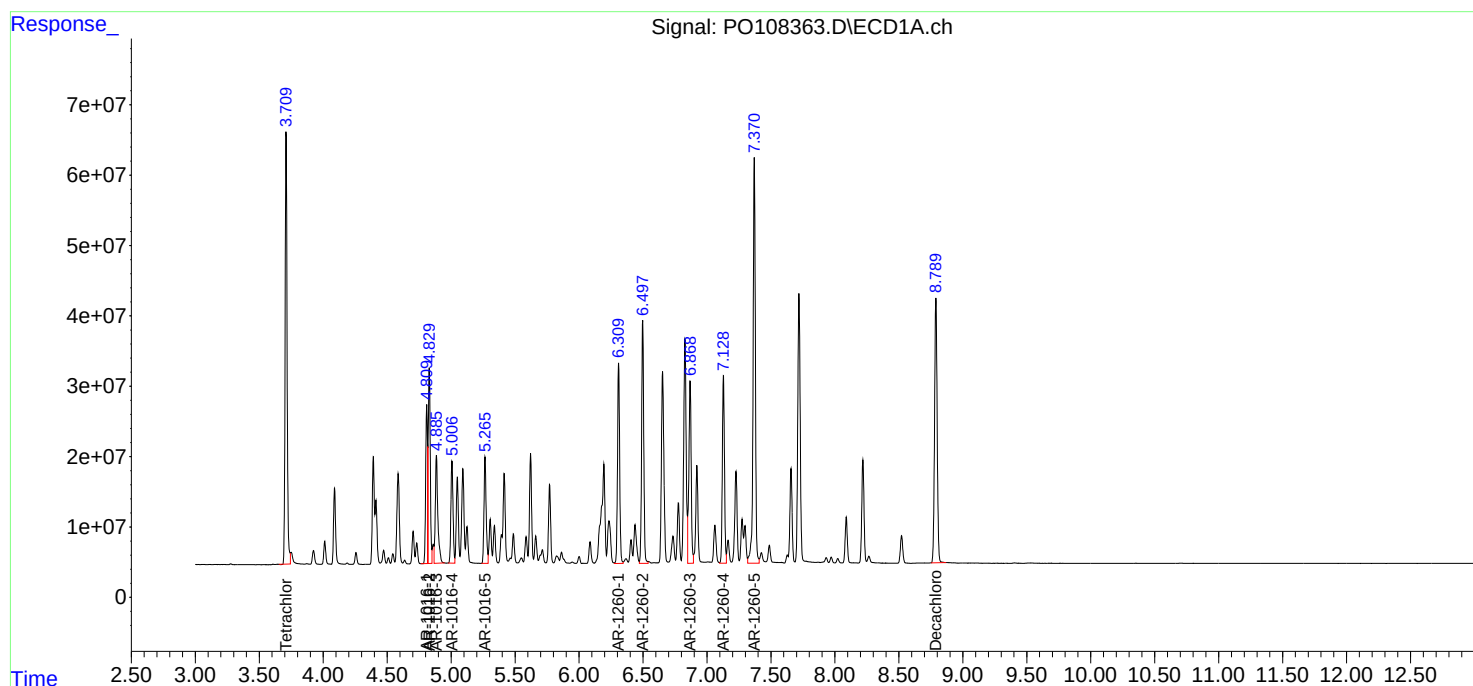
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:38
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: Dec 07 01:46:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 2024
Response via : Initial Calibration
Integrator: ChemStation

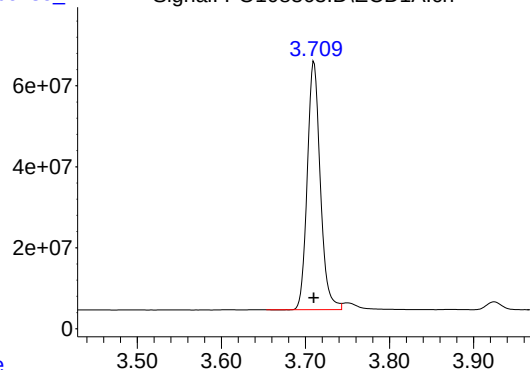
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PO108363.D\ECD1A.ch

#1 Tetrachloro-m-xylene



R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 658777485
Conc: 73.80 ng/ml

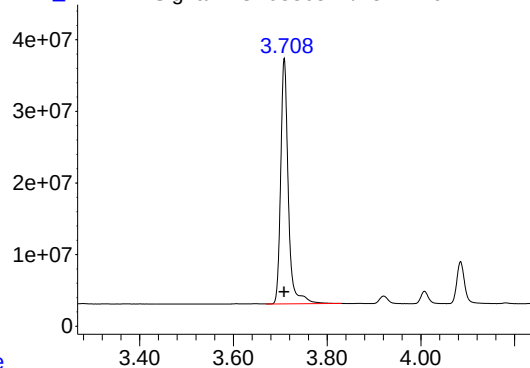
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Time

Response_

Signal: PO108363.D\ECD2B.ch

#1 Tetrachloro-m-xylene



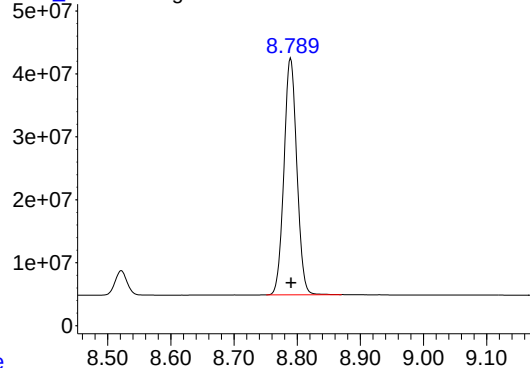
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 386821053
Conc: 73.99 ng/ml

Time

Response_

Signal: PO108363.D\ECD1A.ch

#2 Decachlorobiphenyl



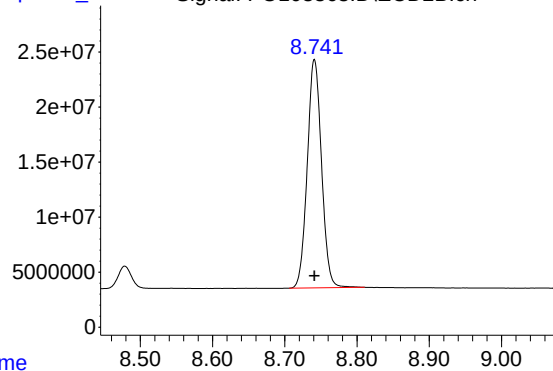
R.T.: 8.790 min
Delta R.T.: -0.001 min
Response: 532670982
Conc: 72.54 ng/ml

Time

Response_

Signal: PO108363.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 284919716
Conc: 72.58 ng/ml

Time

Response_

Signal: PO108363.D\ECD1A.ch

#3 AR-1016-1

R.T.: 4.810 min

Delta R.T.: 0.000 min

Response: 223307826

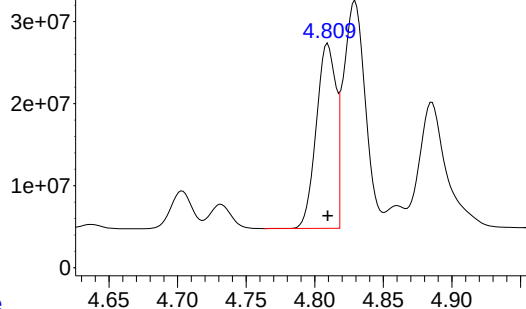
Conc: 718.91 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1660ICC750



Time

Response_

Signal: PO108363.D\ECD2B.ch

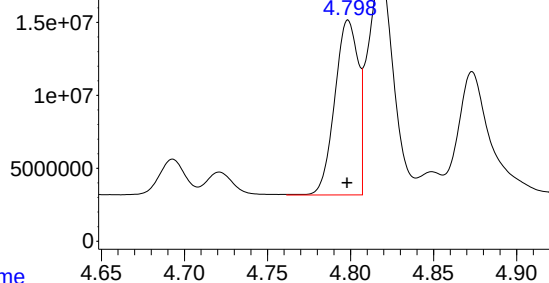
#3 AR-1016-1

R.T.: 4.799 min

Delta R.T.: 0.000 min

Response: 117546279

Conc: 725.68 ng/ml



Time

Response_

Signal: PO108363.D\ECD1A.ch

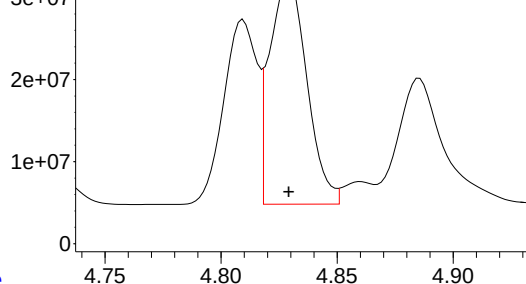
#4 AR-1016-2

R.T.: 4.829 min

Delta R.T.: 0.000 min

Response: 307651289

Conc: 734.10 ng/ml



Time

Response_

Signal: PO108363.D\ECD2B.ch

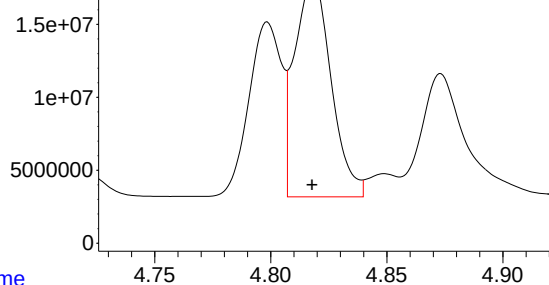
#4 AR-1016-2

R.T.: 4.818 min

Delta R.T.: 0.000 min

Response: 163861118

Conc: 729.15 ng/ml



Time

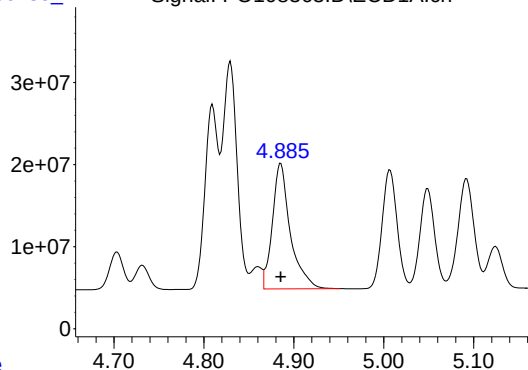
Response_

Signal: PO108363.D\ECD1A.ch

#5 AR-1016-3

R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 212513051
Conc: 719.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



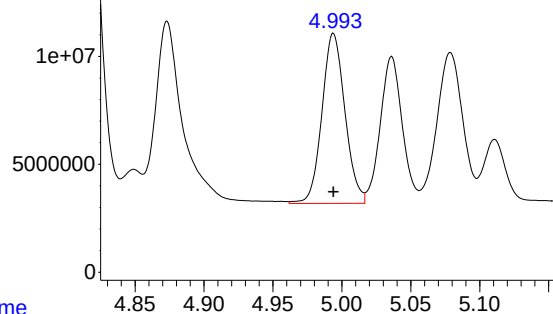
Time

Response_

Signal: PO108363.D\ECD2B.ch

#5 AR-1016-3

R.T.: 4.994 min
Delta R.T.: 0.000 min
Response: 91552414
Conc: 720.97 ng/ml



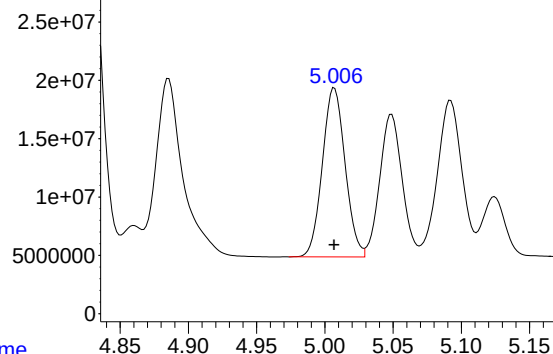
Time

Response_

Signal: PO108363.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 168021660
Conc: 724.37 ng/ml



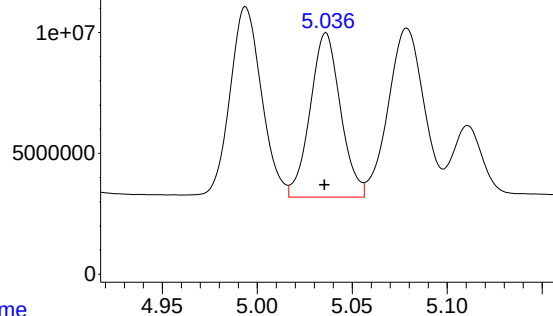
Time

Response_

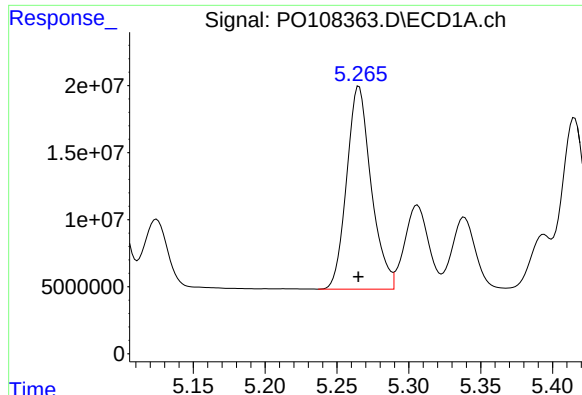
Signal: PO108363.D\ECD2B.ch

#6 AR-1016-4

R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 75545960
Conc: 712.26 ng/ml



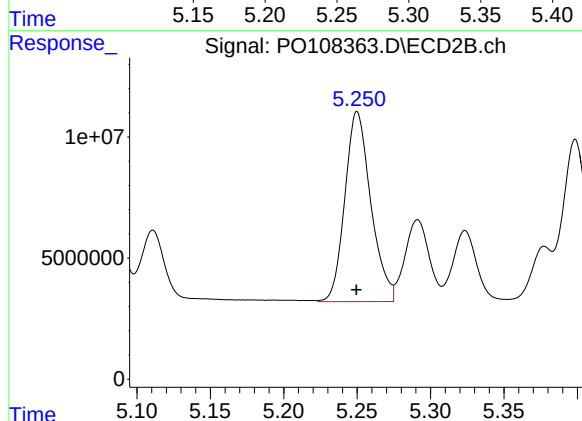
Time



#7 AR-1016-5

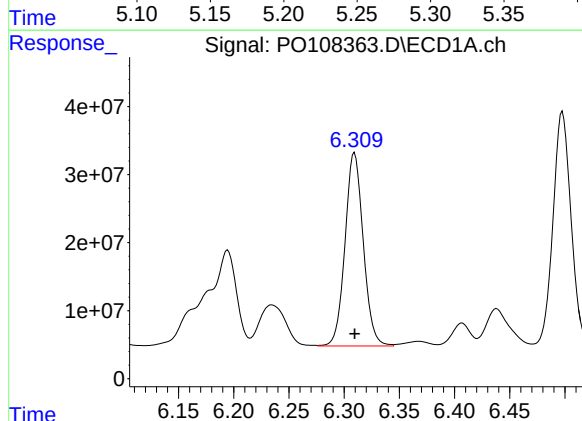
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 178926693
Conc: 717.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



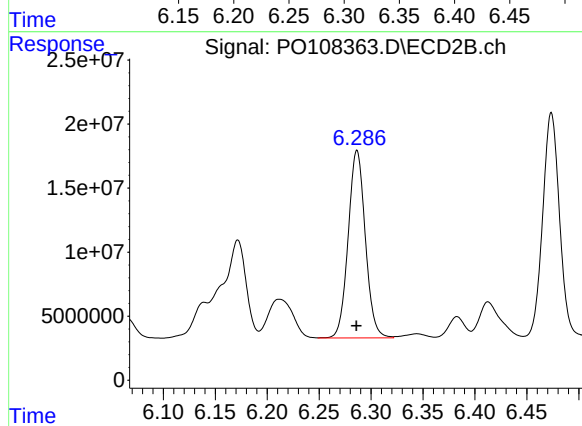
#7 AR-1016-5

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 96530284
Conc: 720.81 ng/ml



#31 AR-1260-1

R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 326550798
Conc: 712.76 ng/ml



#31 AR-1260-1

R.T.: 6.287 min
Delta R.T.: 0.000 min
Response: 168516697
Conc: 722.09 ng/ml

Response_

Signal: PO108363.D\ECD1A.ch

#32 AR-1260-2

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 394787286
Conc: 710.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Time

Response

Signal: PO108363.D\ECD2B.ch

#32 AR-1260-2

R.T.: 6.474 min
Delta R.T.: 0.001 min
Response: 201326607
Conc: 722.02 ng/ml

Time

Response_

Signal: PO108363.D\ECD1A.ch

#33 AR-1260-3

R.T.: 6.869 min
Delta R.T.: 0.000 min
Response: 332912456
Conc: 717.20 ng/ml

Time

Response

Signal: PO108363.D\ECD2B.ch

#33 AR-1260-3

R.T.: 6.628 min
Delta R.T.: 0.000 min
Response: 188053440
Conc: 726.12 ng/ml

Time

Response_

Signal: PO108363.D\ECD1A.ch

#34 AR-1260-4

R.T.: 7.129 min
Delta R.T.: 0.000 min
Response: 304898152
Conc: 714.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Time

Response_

Signal: PO108363.D\ECD2B.ch

#34 AR-1260-4

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 155873119
Conc: 725.64 ng/ml

Time

Response_

Signal: PO108363.D\ECD1A.ch

#35 AR-1260-5

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 716627842
Conc: 727.80 ng/ml

Time

Response_

Signal: PO108363.D\ECD2B.ch

#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 362528240
Conc: 738.15 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108364.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:56
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: Dec 07 01:47:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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...	3.710	3.708	446.3E6	261.4E6	50.000	50.000
2) SA Decachlor...	8.791	8.741	367.2E6	196.3E6	50.000	50.000
Target Compounds						
3) L1 AR-1016-1	4.809	4.798	155.3E6	80990528	500.000	500.000
4) L1 AR-1016-2	4.829	4.818	209.5E6	112.4E6	500.000	500.000
5) L1 AR-1016-3	4.885	4.994	147.6E6	63492232	500.000	500.000
6) L1 AR-1016-4	5.007	5.035	116.0E6	53032580	500.000	500.000
7) L1 AR-1016-5	5.265	5.250	124.6E6	66959983	500.000	500.000
31) L7 AR-1260-1	6.310	6.286	229.1E6	116.7E6	500.000	500.000
32) L7 AR-1260-2	6.498	6.473	277.9E6	139.4E6	500.000	500.000
33) L7 AR-1260-3	6.869	6.627	232.1E6	129.5E6	500.000	500.000
34) L7 AR-1260-4	7.129	7.100	213.2E6	107.4E6	500.000	500.000
35) L7 AR-1260-5	7.370	7.339	492.3E6	245.6E6	500.000	500.000

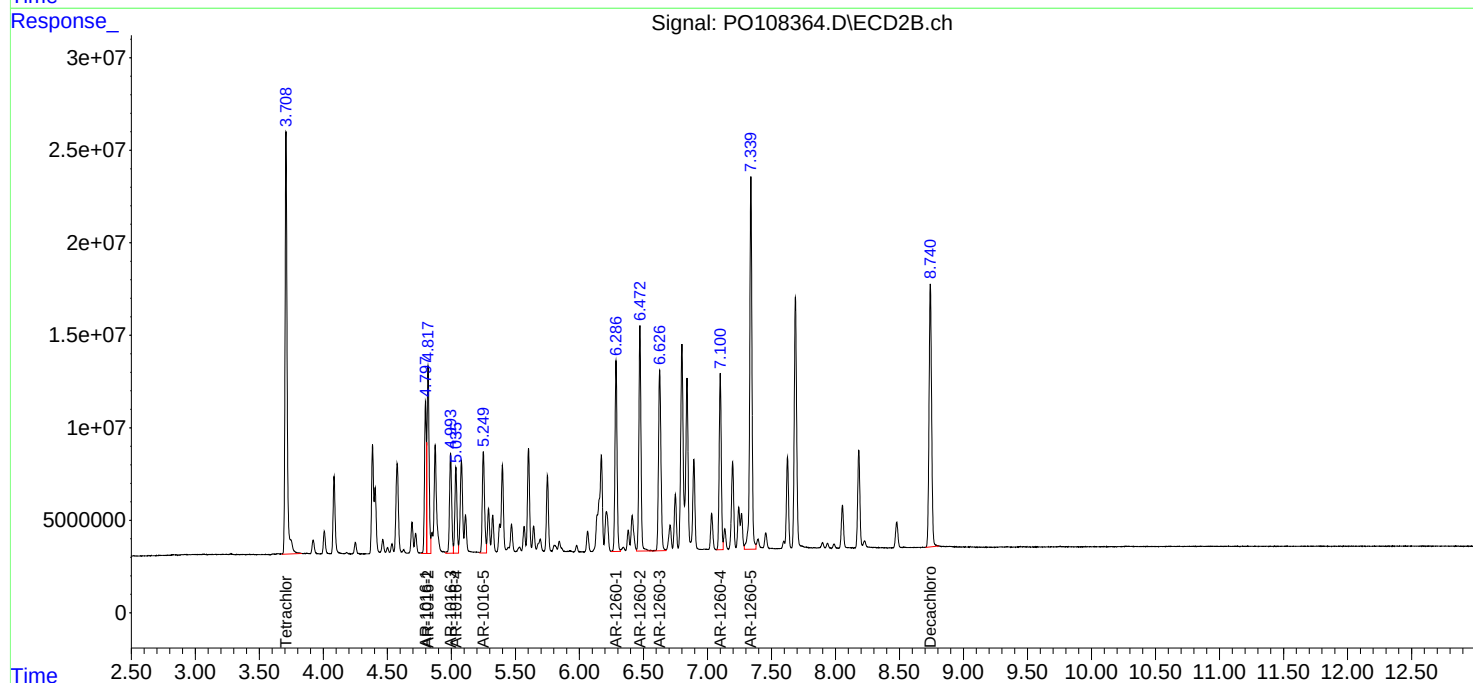
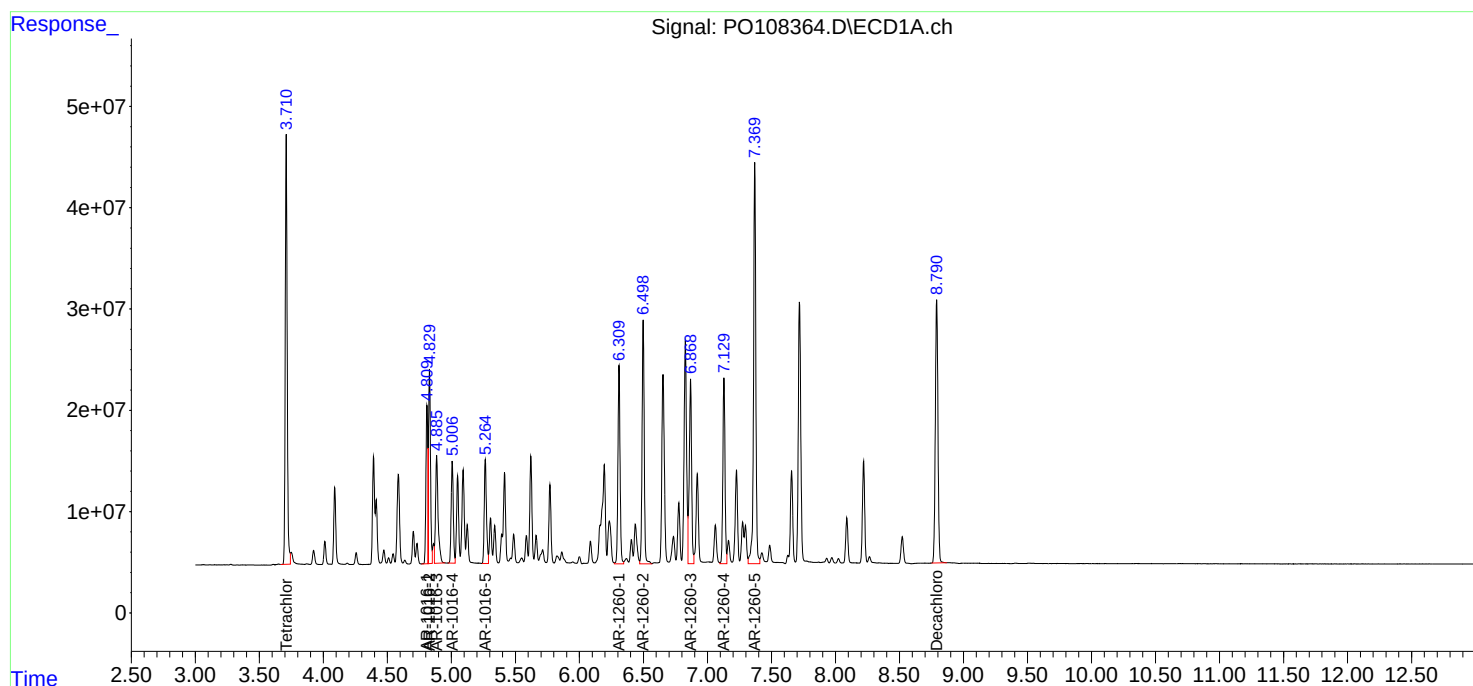
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108364.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:56
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: Dec 07 01:47:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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

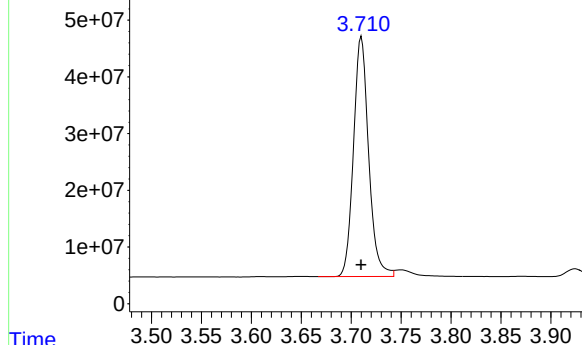


Response_ Signal: PO108364.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 446322388
Conc: 50.00 ng/ml

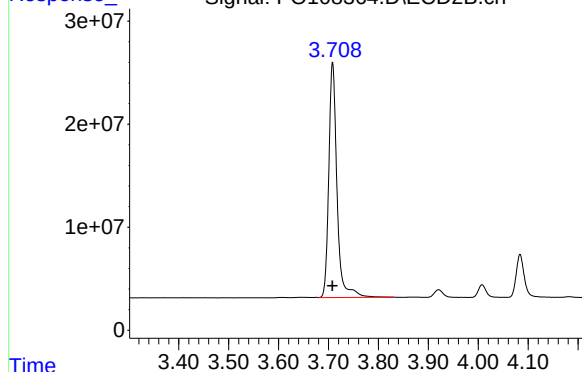
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



Time Response_ Signal: PO108364.D\ECD2B.ch

#1 Tetrachloro-m-xylene

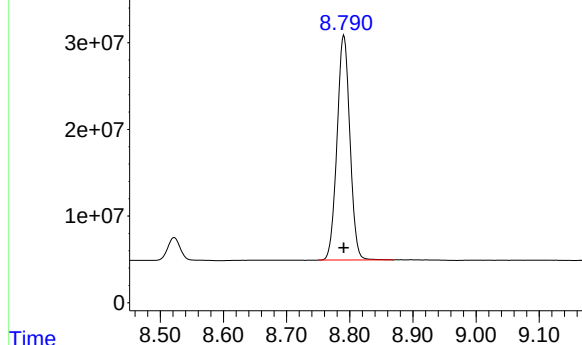
R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 261388959
Conc: 50.00 ng/ml



Time Response_ Signal: PO108364.D\ECD1A.ch

#2 Decachlorobiphenyl

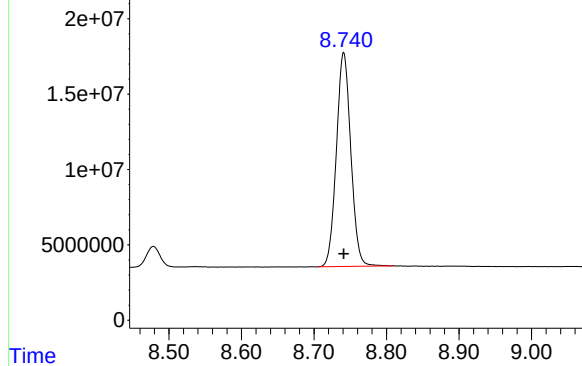
R.T.: 8.791 min
Delta R.T.: 0.000 min
Response: 367159762
Conc: 50.00 ng/ml



Time Response_ Signal: PO108364.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 196282359
Conc: 50.00 ng/ml

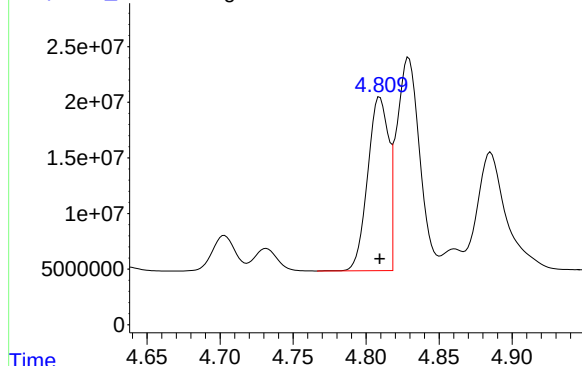


Response_ Signal: PO108364.D\ECD1A.ch

#3 AR-1016-1

R.T.: 4.809 min
Delta R.T.: 0.000 min
Response: 155310332
Conc: 500.00 ng/ml

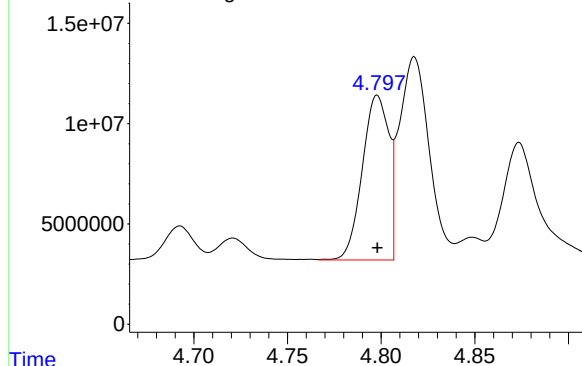
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



Time Response_ Signal: PO108364.D\ECD2B.ch

#3 AR-1016-1

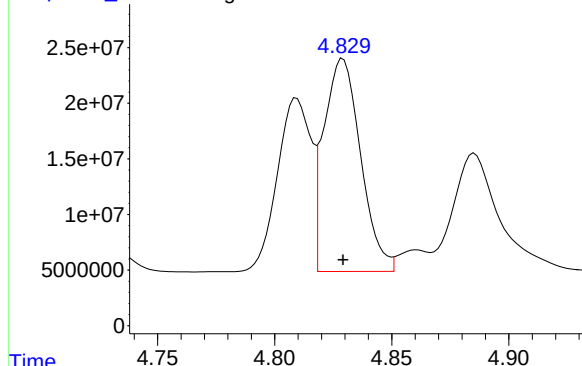
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 80990528
Conc: 500.00 ng/ml



Time Response_ Signal: PO108364.D\ECD1A.ch

#4 AR-1016-2

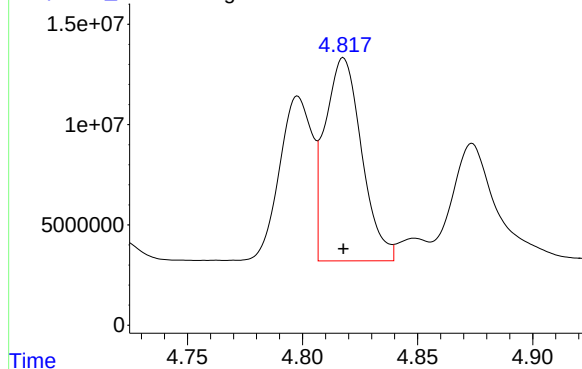
R.T.: 4.829 min
Delta R.T.: 0.000 min
Response: 209543079
Conc: 500.00 ng/ml



Time Response_ Signal: PO108364.D\ECD2B.ch

#4 AR-1016-2

R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 112364177
Conc: 500.00 ng/ml



Response_ Signal: PO108364.D\ECD1A.ch

#5 AR-1016-3

R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 147607384
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Time

Response_ Signal: PO108364.D\ECD2B.ch

#5 AR-1016-3

R.T.: 4.994 min
Delta R.T.: 0.000 min
Response: 63492232
Conc: 500.00 ng/ml

Time

Response_ Signal: PO108364.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 115977552
Conc: 500.00 ng/ml

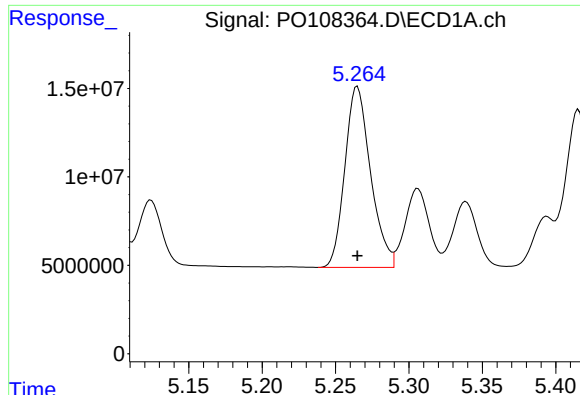
Time

Response_ Signal: PO108364.D\ECD2B.ch

#6 AR-1016-4

R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 53032580
Conc: 500.00 ng/ml

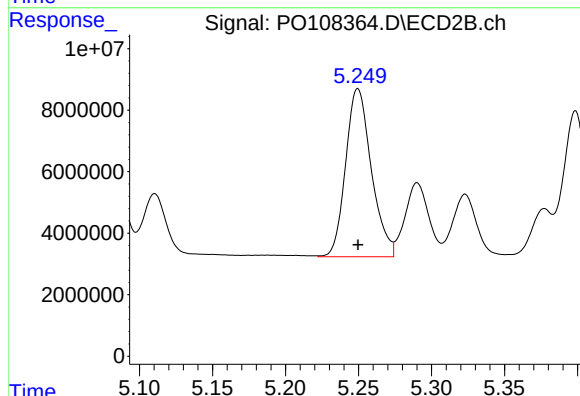
Time



#7 AR-1016-5

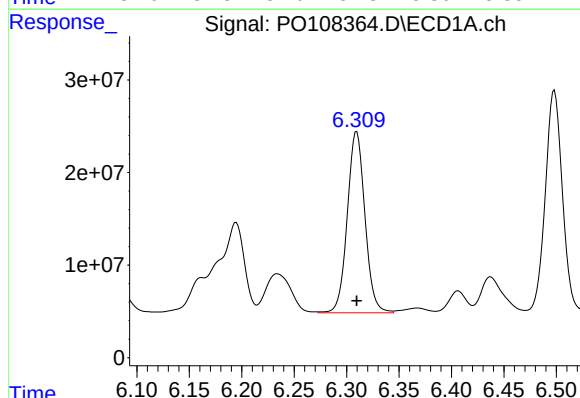
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 124638361
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



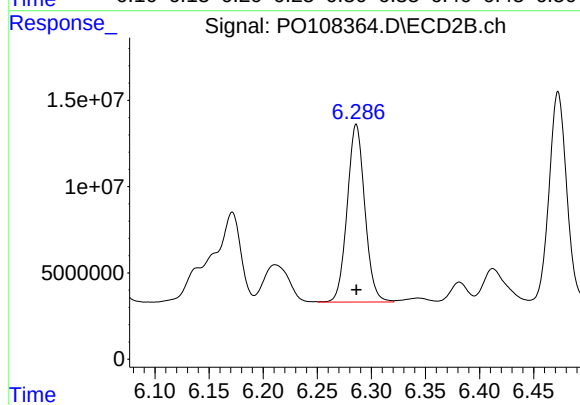
#7 AR-1016-5

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 66959983
Conc: 500.00 ng/ml



#31 AR-1260-1

R.T.: 6.310 min
Delta R.T.: 0.000 min
Response: 229075152
Conc: 500.00 ng/ml



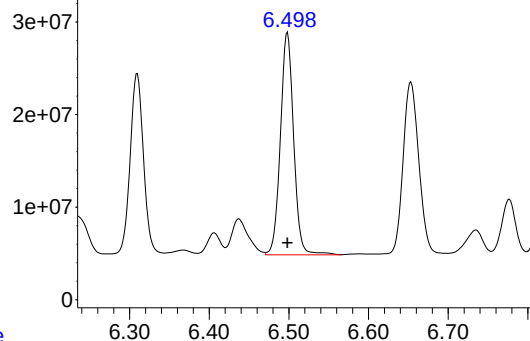
#31 AR-1260-1

R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 116686126
Conc: 500.00 ng/ml

Response_

Signal: PO108364.D\ECD1A.ch

#32 AR-1260-2



R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 277882316
Conc: 500.00 ng/ml

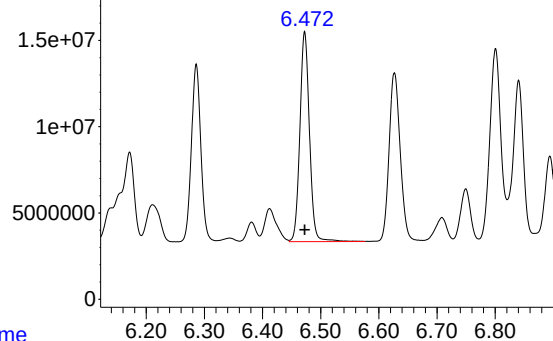
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Time

Response_

Signal: PO108364.D\ECD2B.ch

#32 AR-1260-2



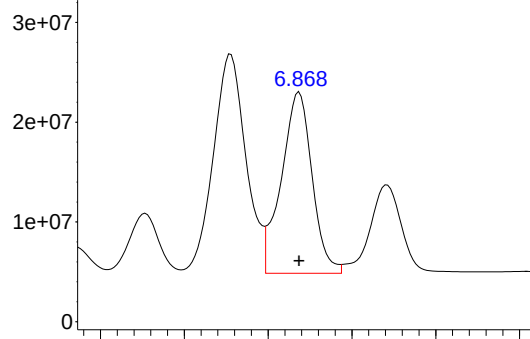
R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 139418224
Conc: 500.00 ng/ml

Time

Response_

Signal: PO108364.D\ECD1A.ch

#33 AR-1260-3



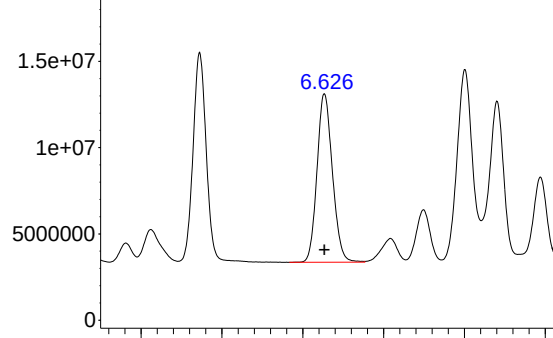
R.T.: 6.869 min
Delta R.T.: 0.000 min
Response: 232092196
Conc: 500.00 ng/ml

Time

Response_

Signal: PO108364.D\ECD2B.ch

#33 AR-1260-3

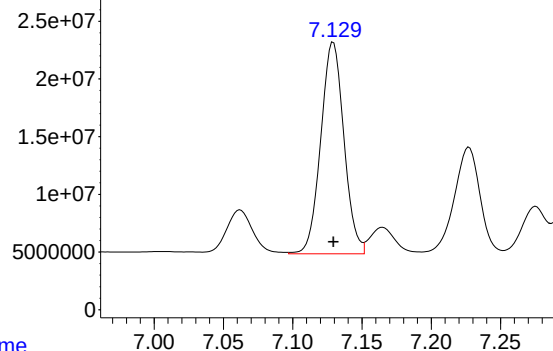


R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 129492754
Conc: 500.00 ng/ml

Time

Response_ Signal: PO108364.D\ECD1A.ch

#34 AR-1260-4

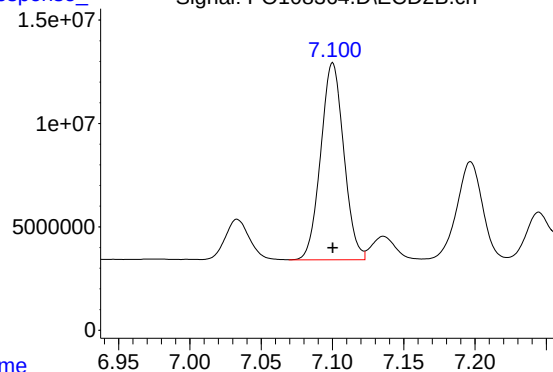


R.T.: 7.129 min
Delta R.T.: 0.000 min
Response: 213236445
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Time Response_ Signal: PO108364.D\ECD2B.ch

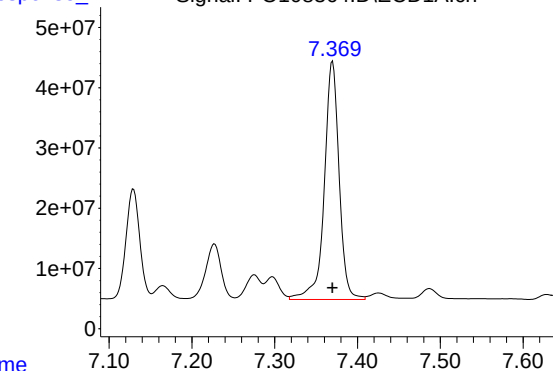
#34 AR-1260-4



R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 107403564
Conc: 500.00 ng/ml

Time Response_ Signal: PO108364.D\ECD1A.ch

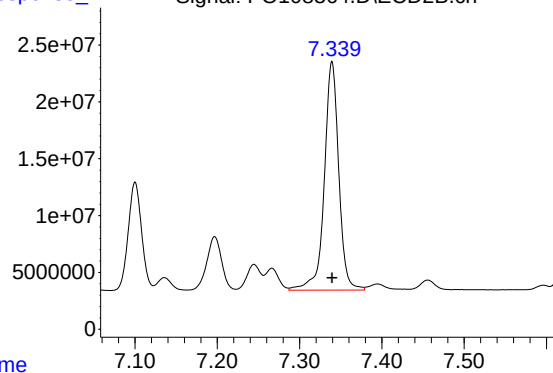
#35 AR-1260-5



R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 492324975
Conc: 500.00 ng/ml

Time Response_ Signal: PO108364.D\ECD2B.ch

#35 AR-1260-5



R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 245565208
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:14
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: Dec 07 01:47:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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...	3.710	3.708	221.5E6	130.9E6	24.809	25.036
2) SA Decachlor...	8.790	8.741	191.1E6	102.0E6	26.028	25.989
Target Compounds						
3) L1 AR-1016-1	4.809	4.798	79907241	42268491	257.250	260.947
4) L1 AR-1016-2	4.829	4.818	108.6E6	58166214	259.077	258.829
5) L1 AR-1016-3	4.885	4.994	76251356	32915150	258.291	259.206
6) L1 AR-1016-4	5.007	5.035	59812050	28030962	257.860	264.281
7) L1 AR-1016-5	5.265	5.250	65075662	34868341	261.058	260.367
31) L7 AR-1260-1	6.309	6.286	121.7E6	61811427	265.741	264.862
32) L7 AR-1260-2	6.497	6.473	147.7E6	72791257	265.819	261.054
33) L7 AR-1260-3	6.868	6.627	121.9E6	67759112	262.605	261.633
34) L7 AR-1260-4	7.129	7.100	111.1E6	55461769	260.450	258.193
35) L7 AR-1260-5	7.370	7.339	250.1E6	124.7E6	254.042	253.929

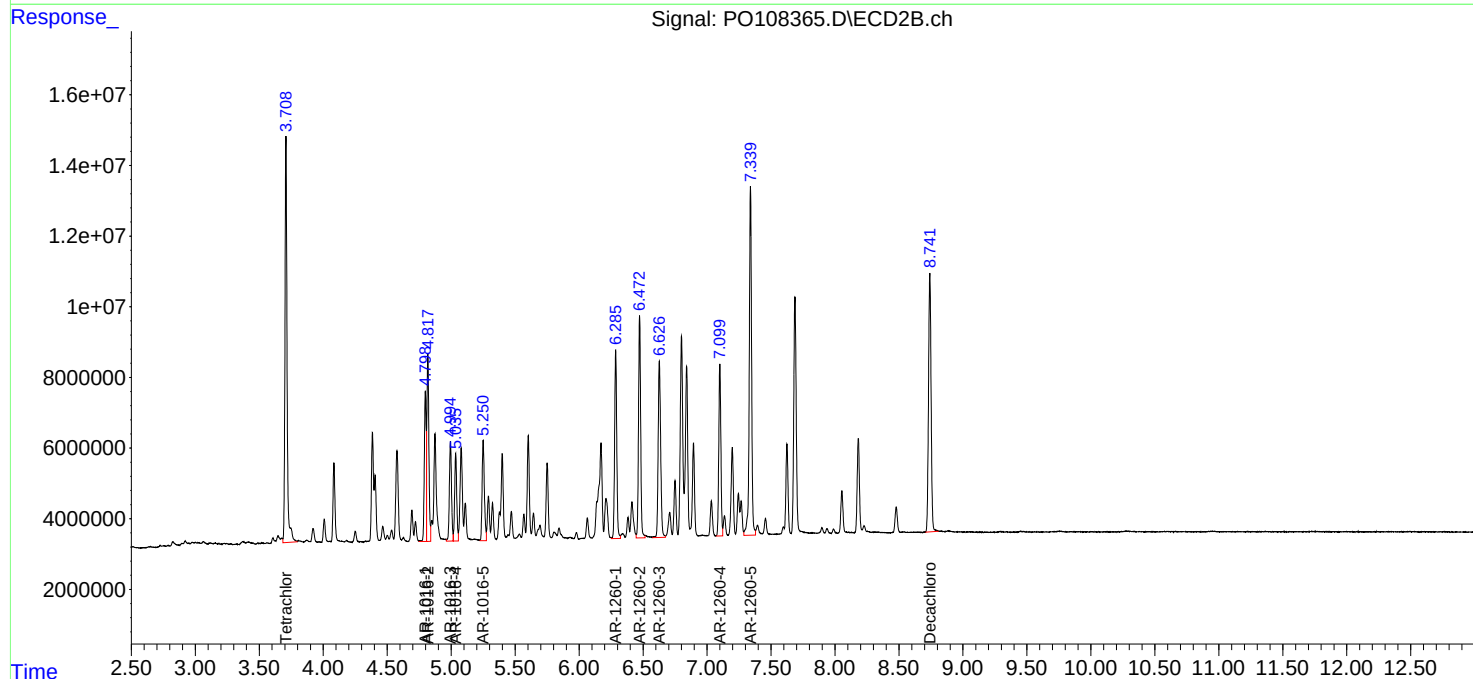
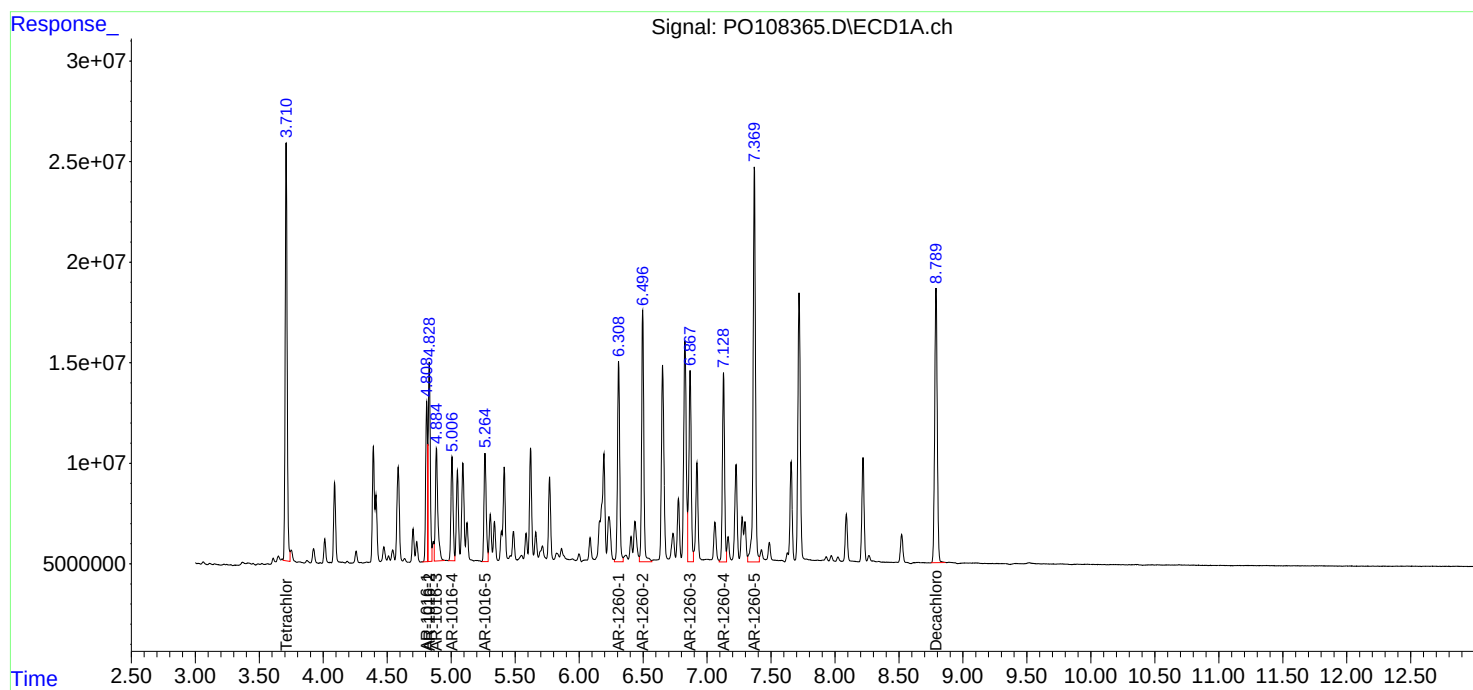
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

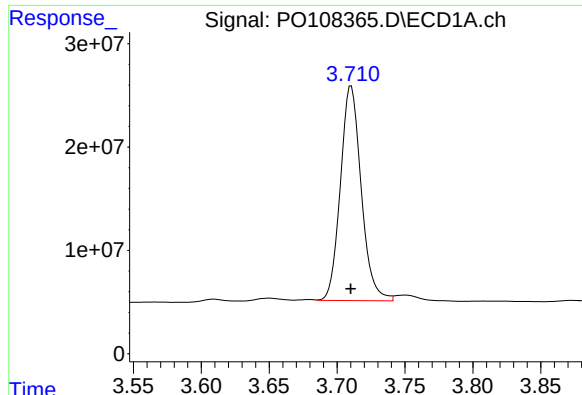
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:14
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 01:47:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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

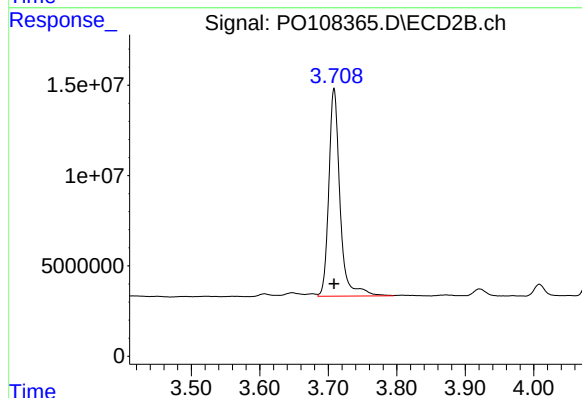




#1 Tetrachloro-m-xylene

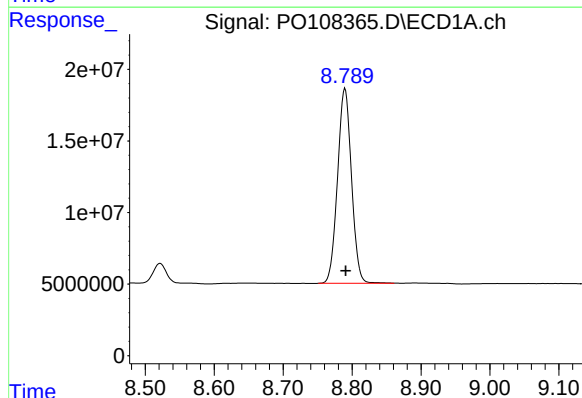
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 221458828
Conc: 24.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



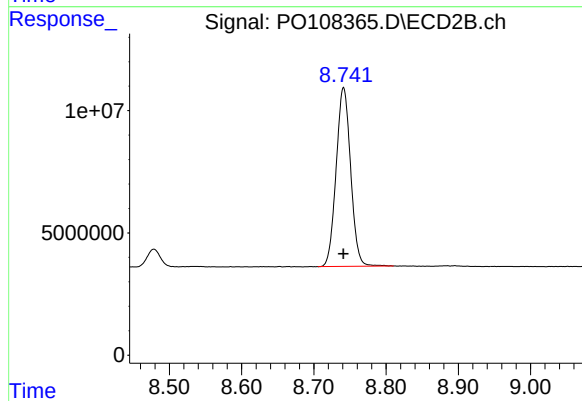
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 130880504
Conc: 25.04 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 191127530
Conc: 26.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 102025127
Conc: 25.99 ng/ml

Response_ Signal: PO108365.D\ECD1A.ch

#3 AR-1016-1

R.T.: 4.809 min
Delta R.T.: 0.000 min
Response: 79907241
Conc: 257.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Time

Response_ Signal: PO108365.D\ECD2B.ch

#3 AR-1016-1

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 42268491
Conc: 260.95 ng/ml

Time

Response_ Signal: PO108365.D\ECD1A.ch

#4 AR-1016-2

R.T.: 4.829 min
Delta R.T.: 0.000 min
Response: 108575682
Conc: 259.08 ng/ml

Time

Response_ Signal: PO108365.D\ECD2B.ch

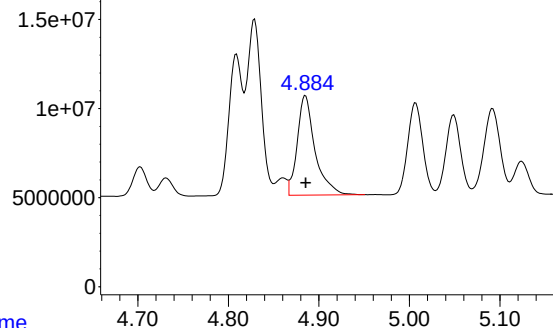
#4 AR-1016-2

R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 58166214
Conc: 258.83 ng/ml

Time

Response_ Signal: PO108365.D\ECD1A.ch

#5 AR-1016-3

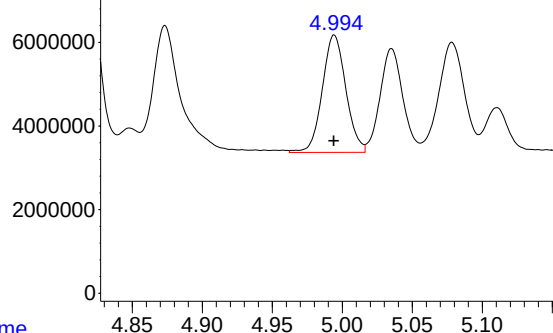


R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 76251356
Conc: 258.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Time Response_ Signal: PO108365.D\ECD2B.ch

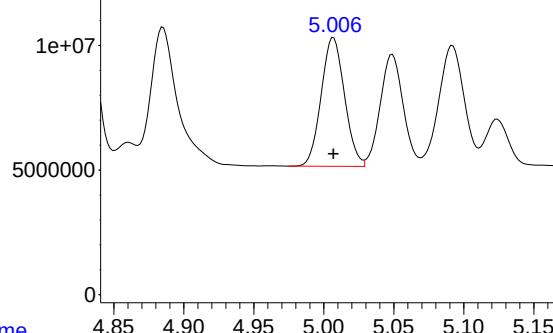
#5 AR-1016-3



R.T.: 4.994 min
Delta R.T.: 0.000 min
Response: 32915150
Conc: 259.21 ng/ml

Time Response_ Signal: PO108365.D\ECD1A.ch

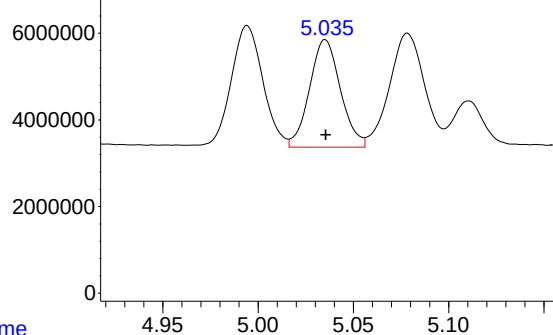
#6 AR-1016-4



R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 59812050
Conc: 257.86 ng/ml

Time Response_ Signal: PO108365.D\ECD2B.ch

#6 AR-1016-4

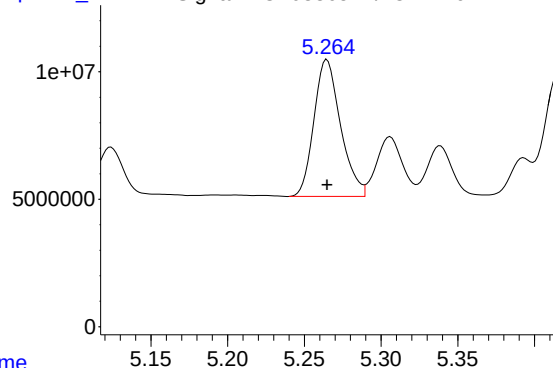


R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 28030962
Conc: 264.28 ng/ml

Response_

Signal: PO108365.D\ECD1A.ch

#7 AR-1016-5



R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 65075662
Conc: 261.06 ng/ml

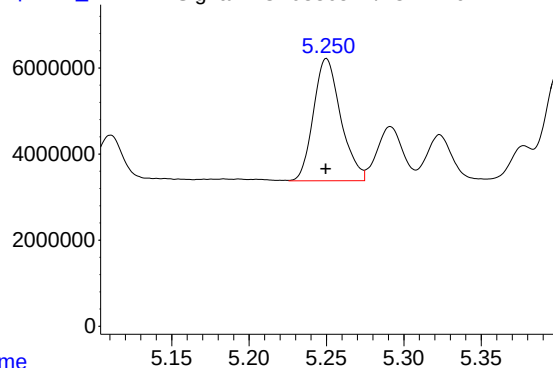
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Time

Response_

Signal: PO108365.D\ECD2B.ch

#7 AR-1016-5



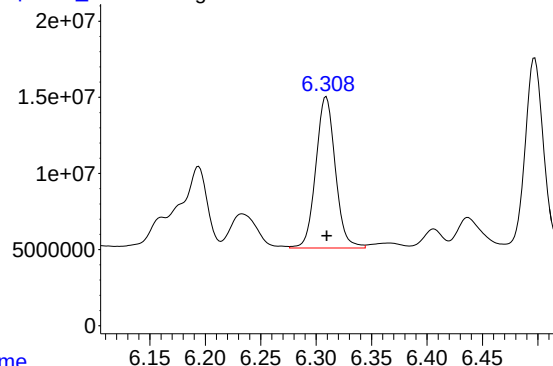
R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 34868341
Conc: 260.37 ng/ml

Time

Response_

Signal: PO108365.D\ECD1A.ch

#31 AR-1260-1



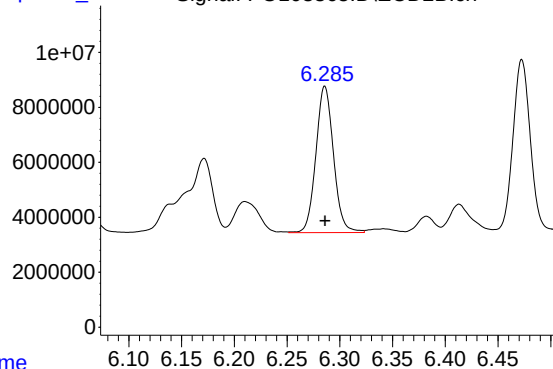
R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 121749161
Conc: 265.74 ng/ml

Time

Response_

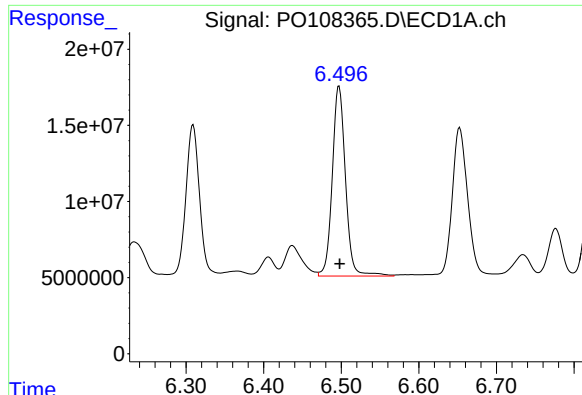
Signal: PO108365.D\ECD2B.ch

#31 AR-1260-1



R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 61811427
Conc: 264.86 ng/ml

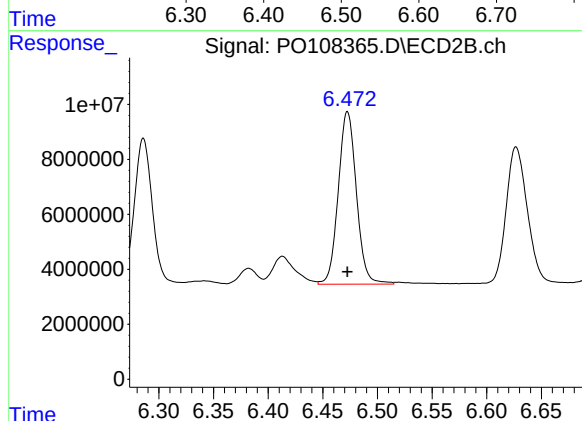
Time



#32 AR-1260-2

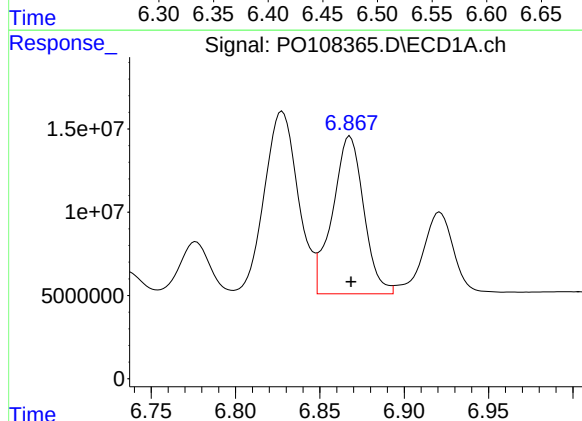
R.T.: 6.497 min
Delta R.T.: -0.001 min
Response: 147732990
Conc: 265.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



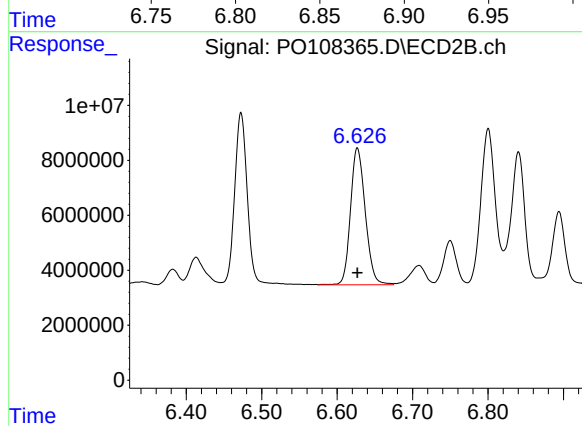
#32 AR-1260-2

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 72791257
Conc: 261.05 ng/ml



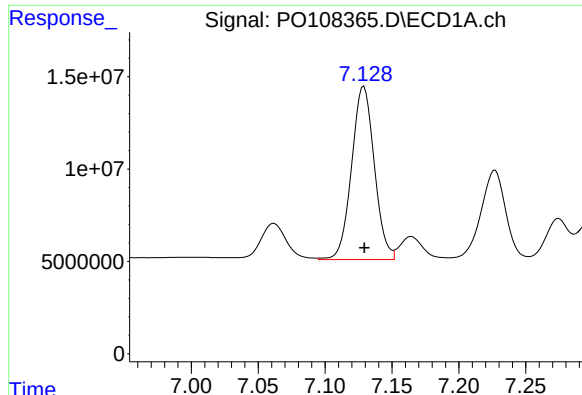
#33 AR-1260-3

R.T.: 6.868 min
Delta R.T.: 0.000 min
Response: 121897214
Conc: 262.61 ng/ml



#33 AR-1260-3

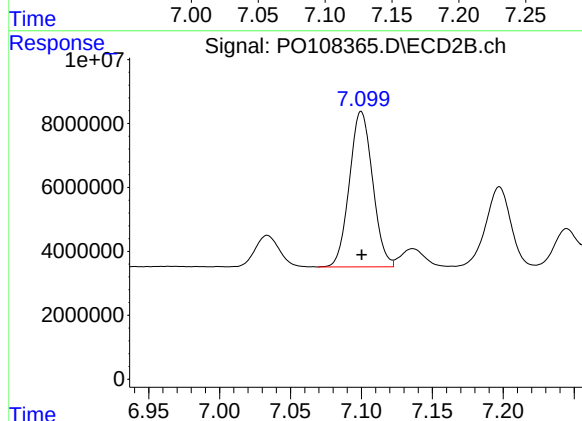
R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 67759112
Conc: 261.63 ng/ml



#34 AR-1260-4

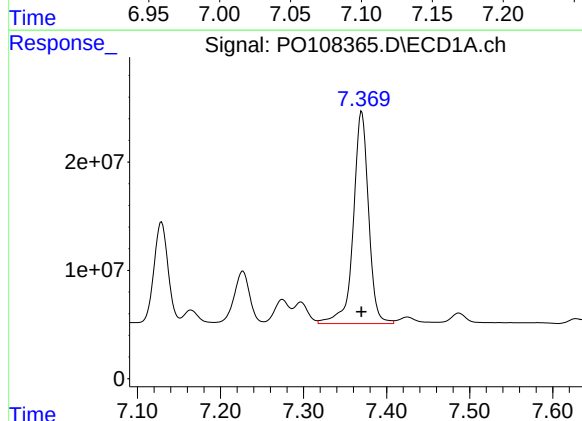
R.T.: 7.129 min
Delta R.T.: 0.000 min
Response: 111074974
Conc: 260.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



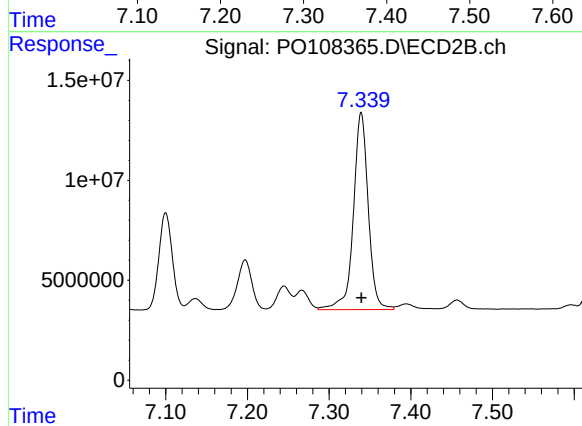
#34 AR-1260-4

R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 55461769
Conc: 258.19 ng/ml



#35 AR-1260-5

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 250142608
Conc: 254.04 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 124712284
Conc: 253.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:33
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 01:47:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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...	3.710	3.708	40888009	23002425	4.581	4.400
2) SA Decachlor...	8.790	8.741	37049676	19012827	5.045	4.843
Target Compounds						
3) L1 AR-1016-1	4.809	4.797	16113835	8034641	51.876	49.602m
4) L1 AR-1016-2	4.829	4.818	20947856	10912320	49.985	48.558m
5) L1 AR-1016-3	4.885	4.993	15163571	6416767	51.365	50.532m
6) L1 AR-1016-4	5.006	5.035	12059612	5413453	51.991	51.039m
7) L1 AR-1016-5	5.265	5.249	13968228	7490988	56.035	55.936
31) L7 AR-1260-1	6.308	6.285	23754397	12215622	51.848m	52.344m
32) L7 AR-1260-2	6.497	6.472	28927929	14945142	52.051m	53.598m
33) L7 AR-1260-3	6.866	6.627	24288473	14459323	52.325m	55.831
34) L7 AR-1260-4	7.128	7.100	22304325	10653055	52.300	49.594
35) L7 AR-1260-5	7.369	7.339	48077854	23055032	48.827	46.943

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:33
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

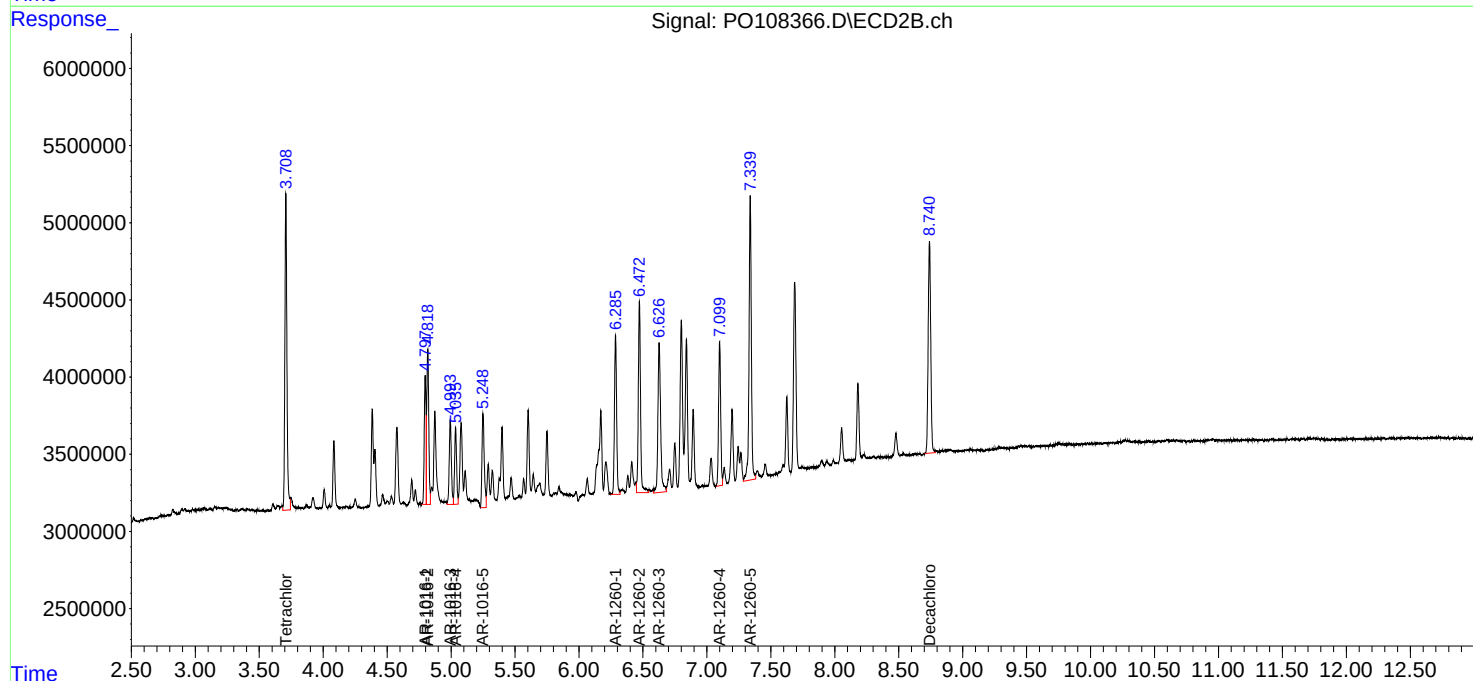
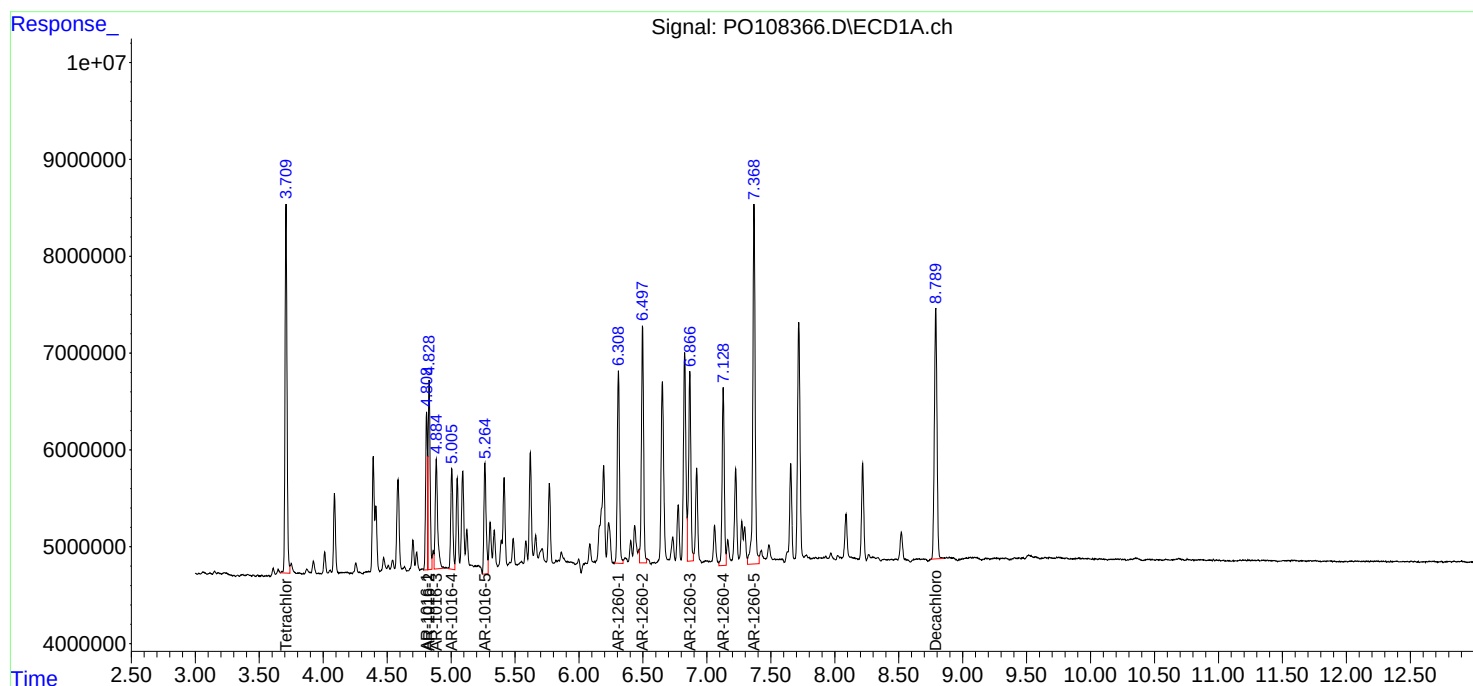
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

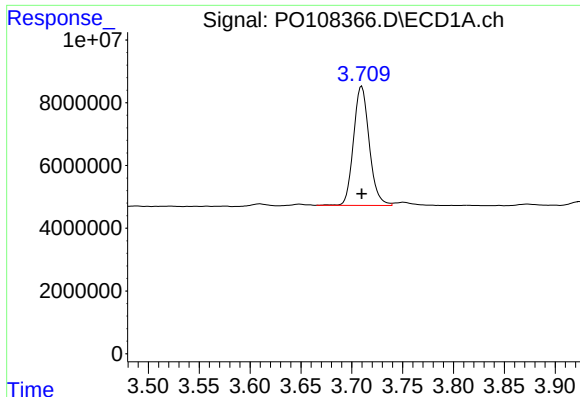
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 01:47:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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





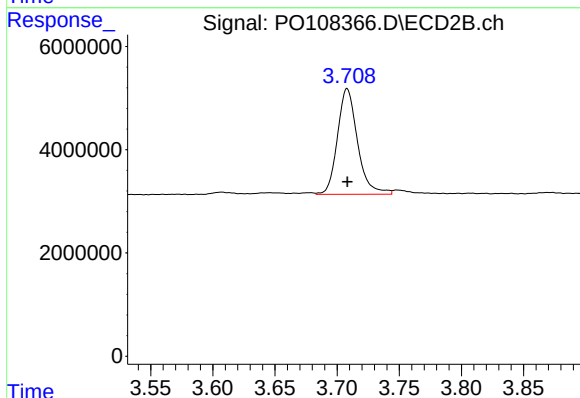
#1 Tetrachloro-m-xylene

R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 40888009
Conc: 4.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

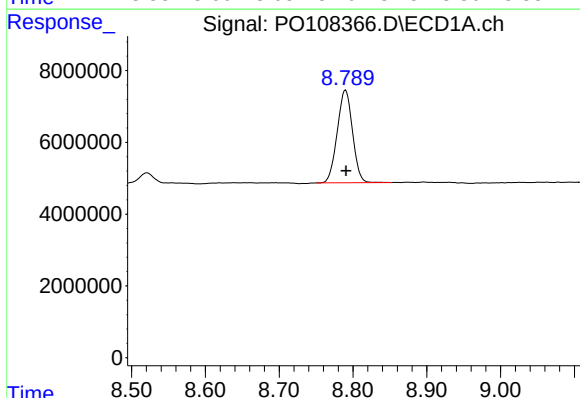
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



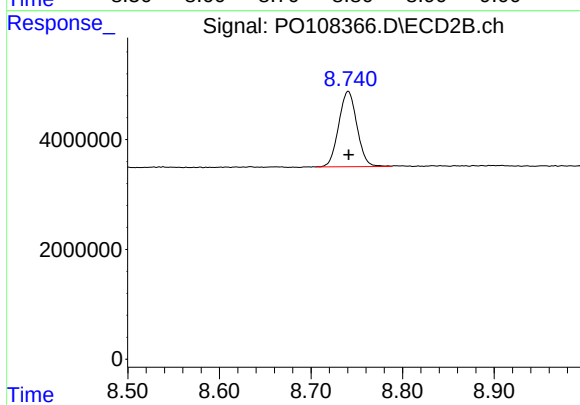
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 23002425
Conc: 4.40 ng/ml



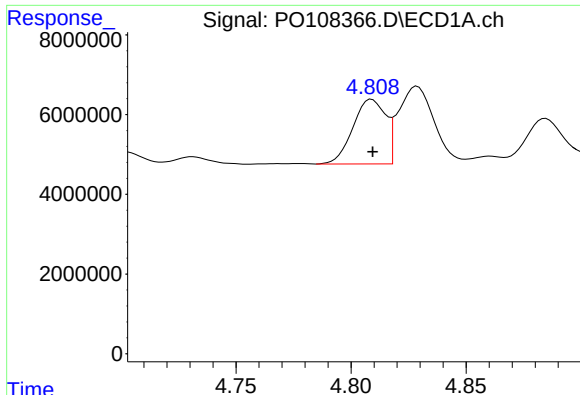
#2 Decachlorobiphenyl

R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 37049676
Conc: 5.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 19012827
Conc: 4.84 ng/ml



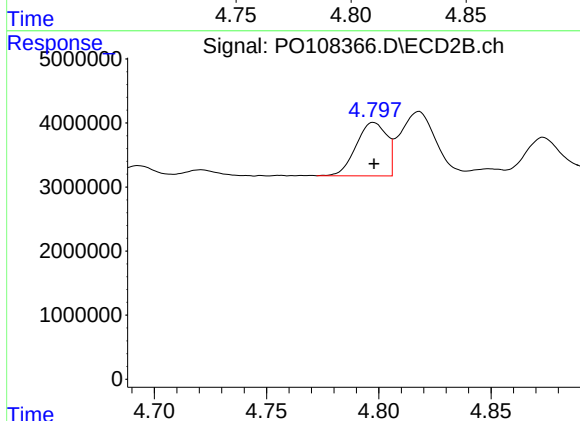
#3 AR-1016-1

R.T.: 4.809 min
Delta R.T.: 0.000 min
Response: 16113835
Conc: 51.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

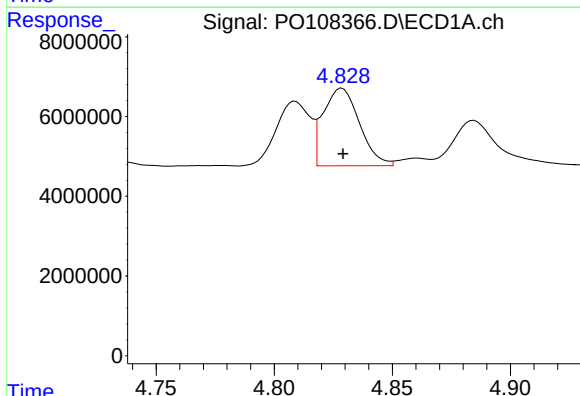
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



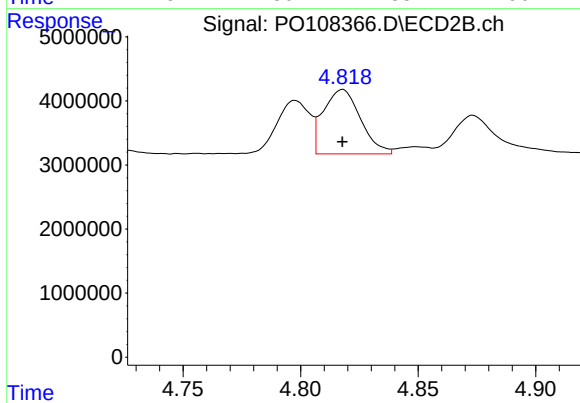
#3 AR-1016-1

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 8034641
Conc: 49.60 ng/ml m



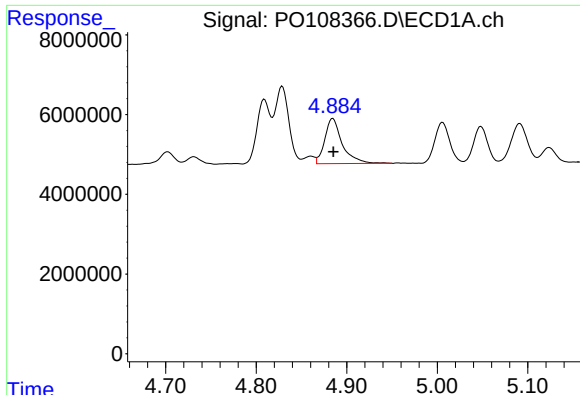
#4 AR-1016-2

R.T.: 4.829 min
Delta R.T.: 0.000 min
Response: 20947856
Conc: 49.98 ng/ml



#4 AR-1016-2

R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 10912320
Conc: 48.56 ng/ml m



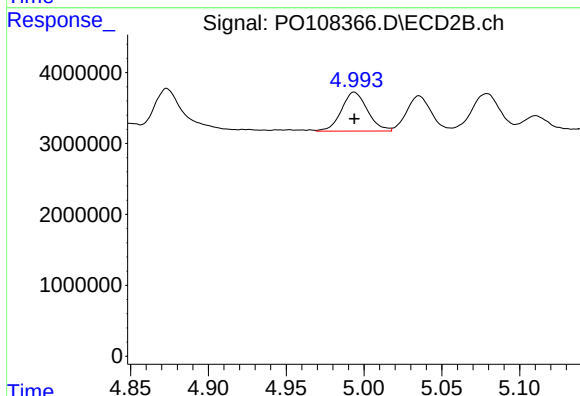
#5 AR-1016-3

R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 15163571
Conc: 51.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

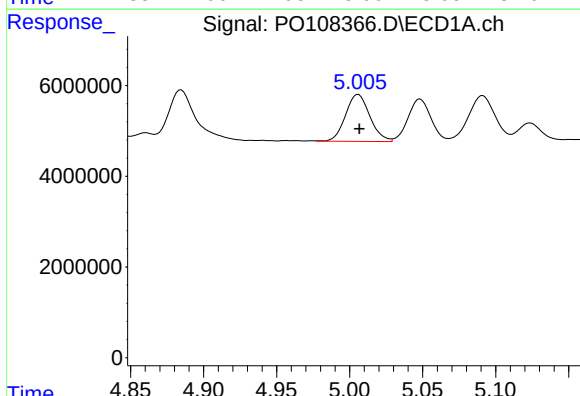
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



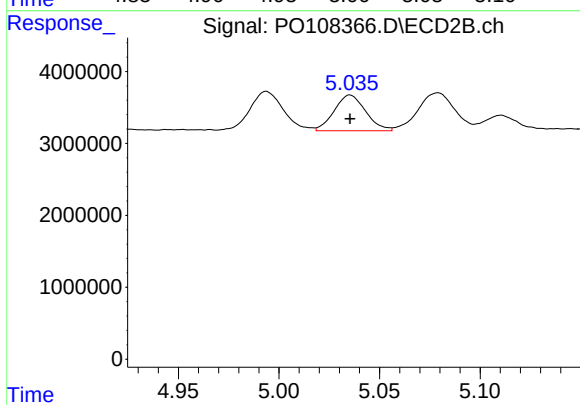
#5 AR-1016-3

R.T.: 4.993 min
Delta R.T.: 0.000 min
Response: 6416767
Conc: 50.53 ng/ml m



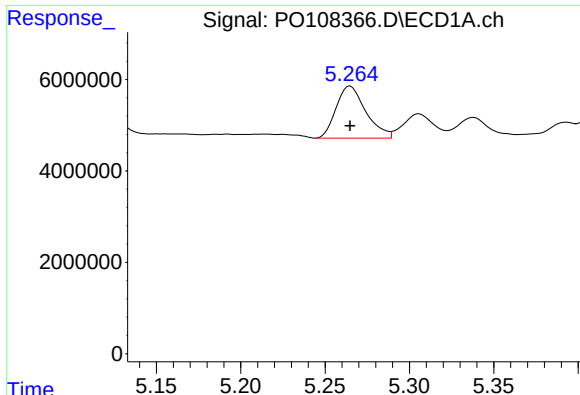
#6 AR-1016-4

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 12059612
Conc: 51.99 ng/ml



#6 AR-1016-4

R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 5413453
Conc: 51.04 ng/ml m



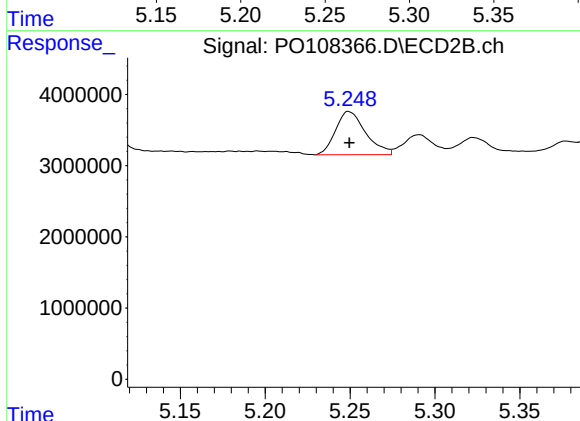
#7 AR-1016-5

R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 13968228
Conc: 56.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

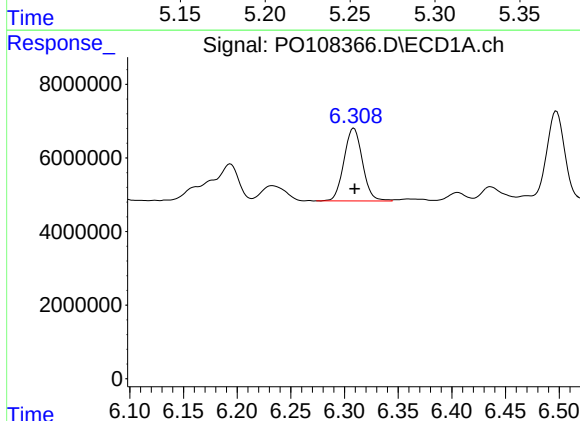
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



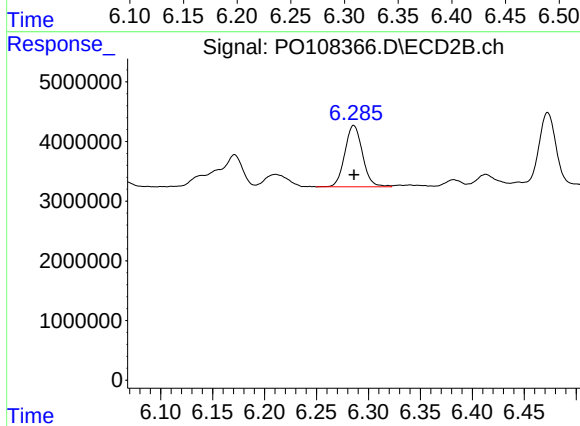
#7 AR-1016-5

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 7490988
Conc: 55.94 ng/ml



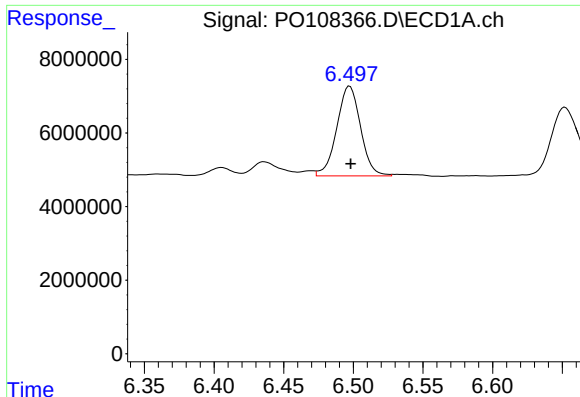
#31 AR-1260-1

R.T.: 6.308 min
Delta R.T.: -0.002 min
Response: 23754397
Conc: 51.85 ng/ml m



#31 AR-1260-1

R.T.: 6.285 min
Delta R.T.: 0.000 min
Response: 12215622
Conc: 52.34 ng/ml m



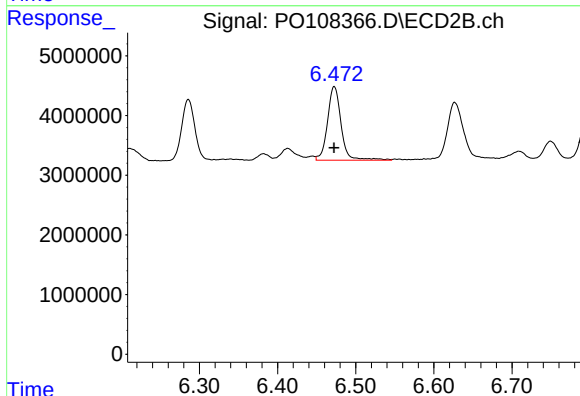
#32 AR-1260-2

R.T.: 6.497 min
Delta R.T.: -0.001 min
Response: 28927929
Conc: 52.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

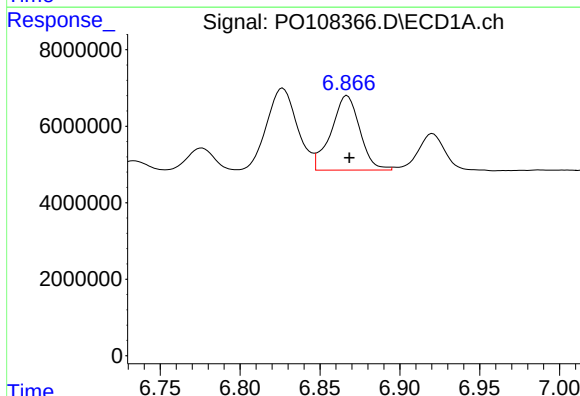
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



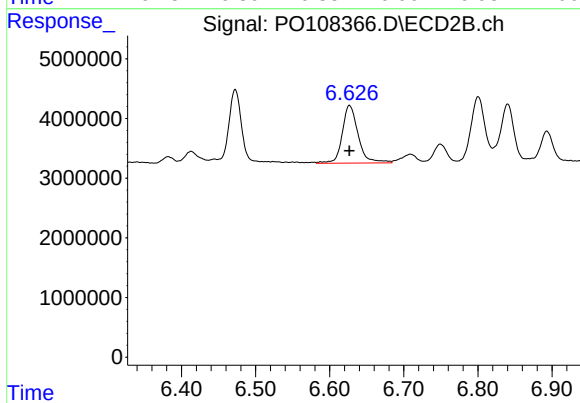
#32 AR-1260-2

R.T.: 6.472 min
Delta R.T.: 0.000 min
Response: 14945142
Conc: 53.60 ng/ml m



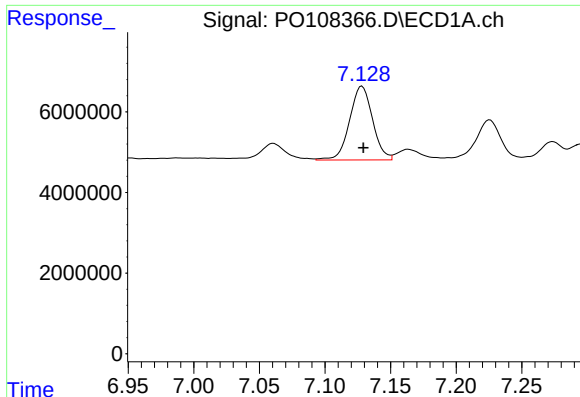
#33 AR-1260-3

R.T.: 6.866 min
Delta R.T.: -0.002 min
Response: 24288473
Conc: 52.33 ng/ml m



#33 AR-1260-3

R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 14459323
Conc: 55.83 ng/ml



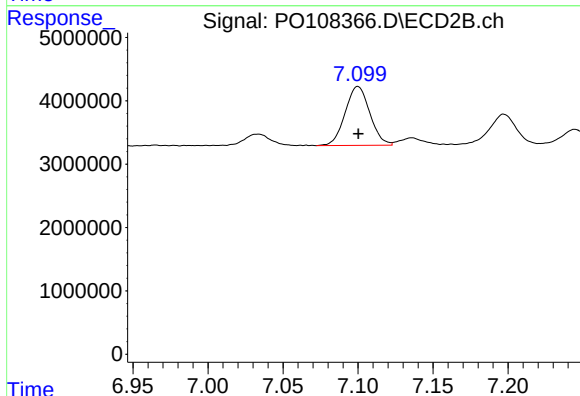
#34 AR-1260-4

R.T.: 7.128 min
Delta R.T.: -0.001 min
Response: 22304325
Conc: 52.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

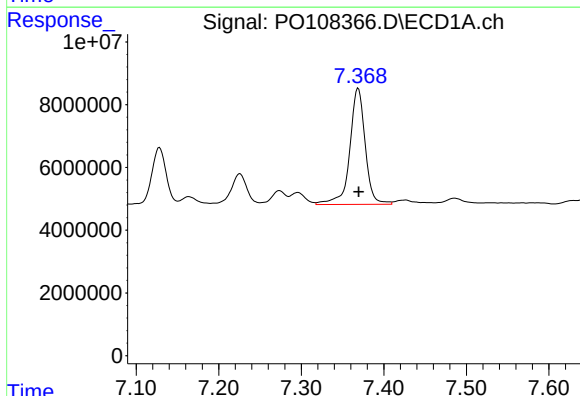
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



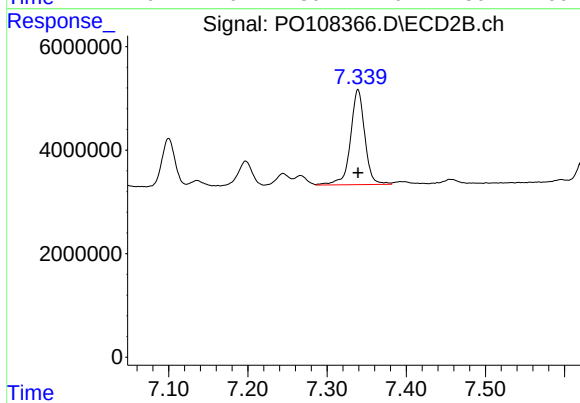
#34 AR-1260-4

R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 10653055
Conc: 49.59 ng/ml



#35 AR-1260-5

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 48077854
Conc: 48.83 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 23055032
Conc: 46.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:51
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: Dec 07 02:45:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 02:44:32 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...	3.710	3.708	457.2E6	254.8E6	50.000	50.000
2) SA Decachlor...	8.788	8.741	384.3E6	206.2E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	3.925	3.922	56571909	31061265	500.000	500.000
9) L2 AR-1221-2	4.012	4.007	43360161	23722482	500.000	500.000
10) L2 AR-1221-3	4.089	4.084	127.1E6	70293463	500.000	500.000

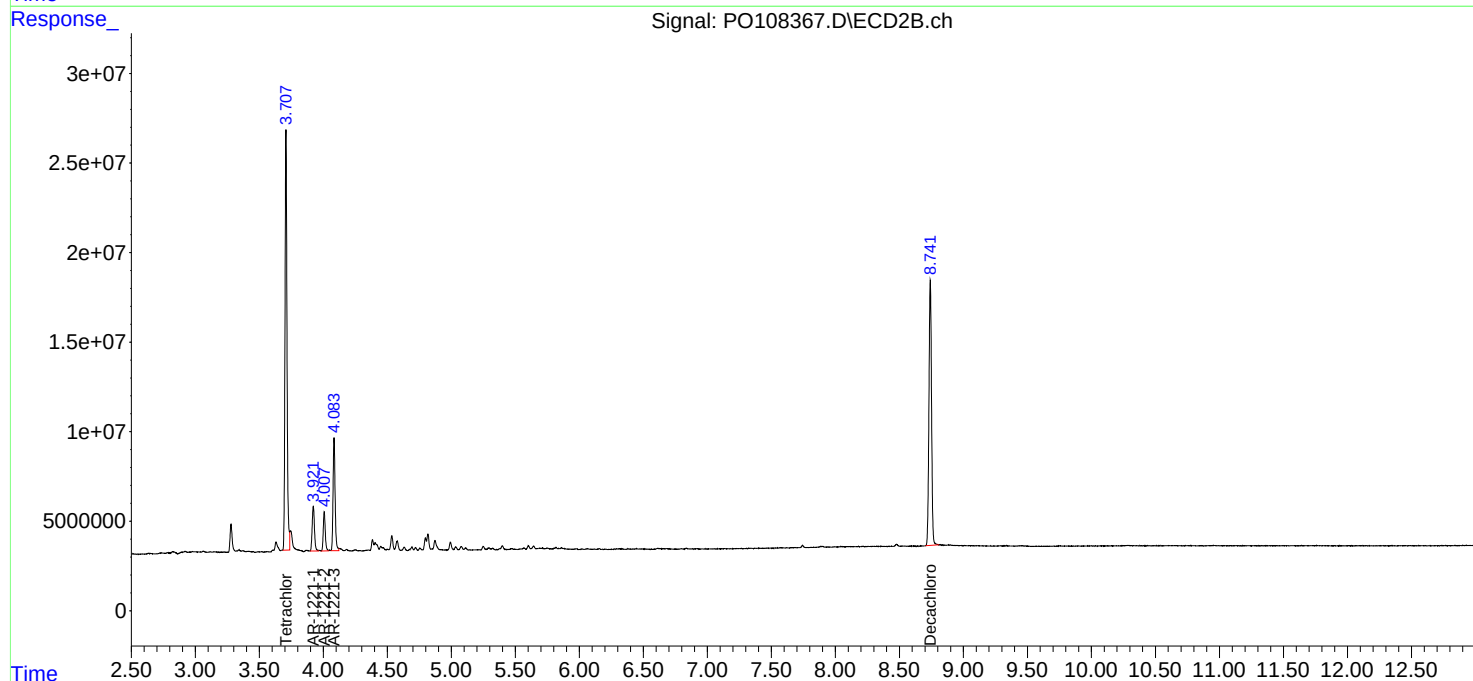
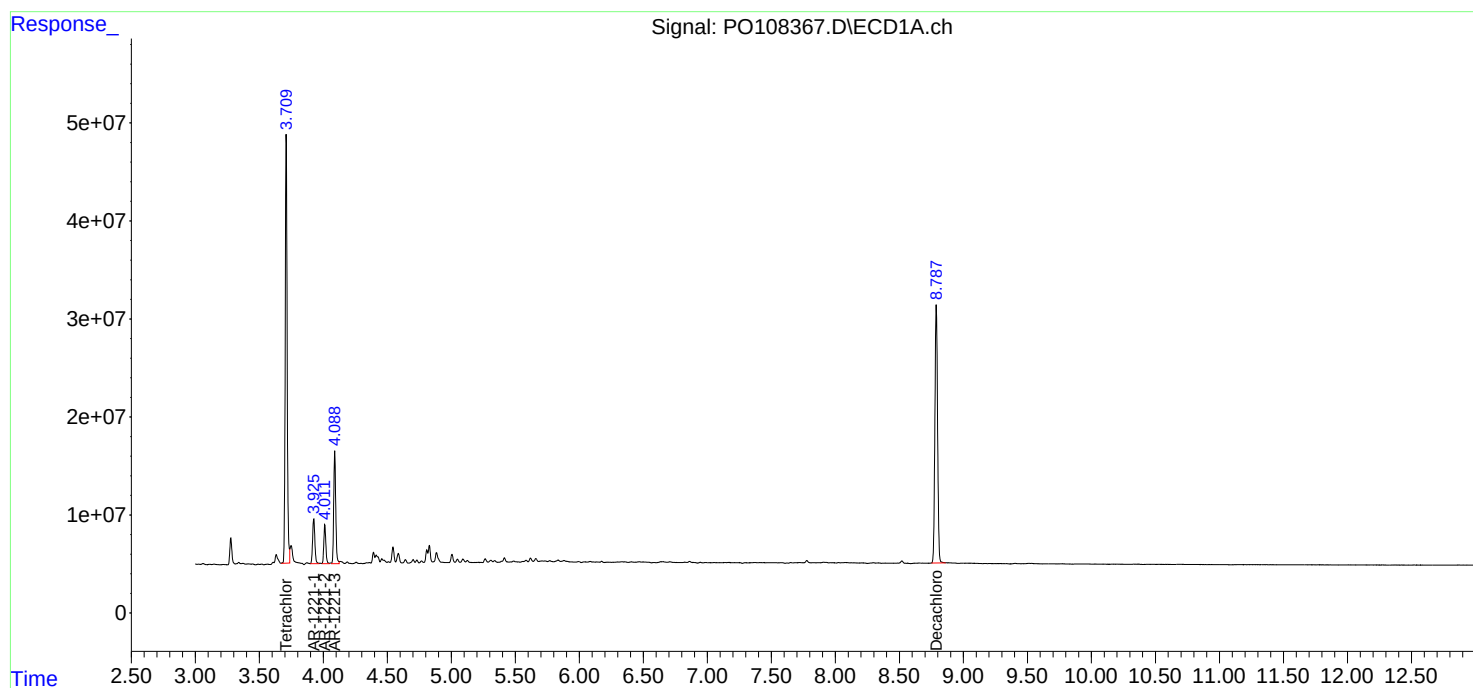
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

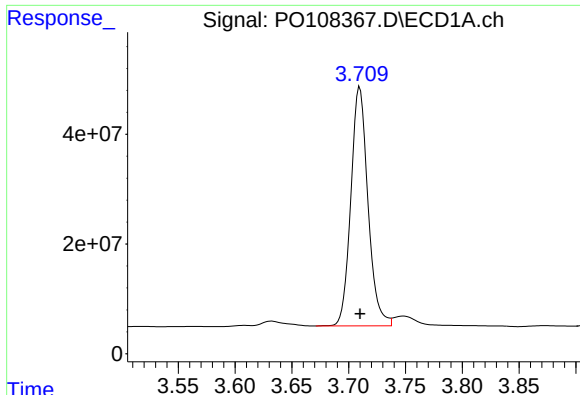
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:51
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 02:45:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 02:44:32 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

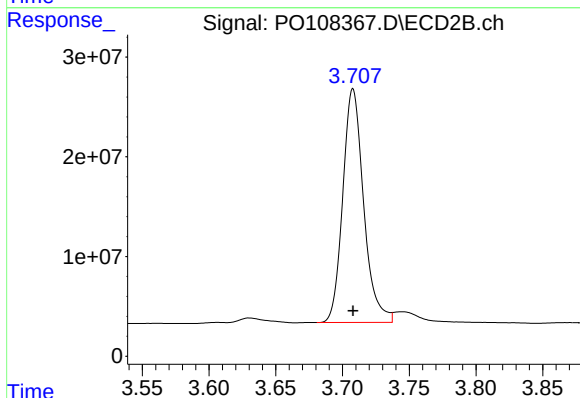




#1 Tetrachloro-m-xylene

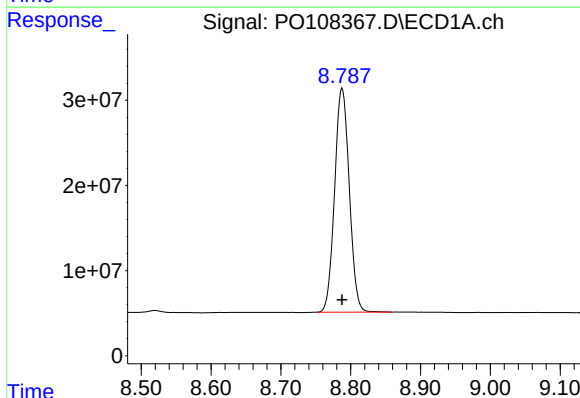
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 457189425
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



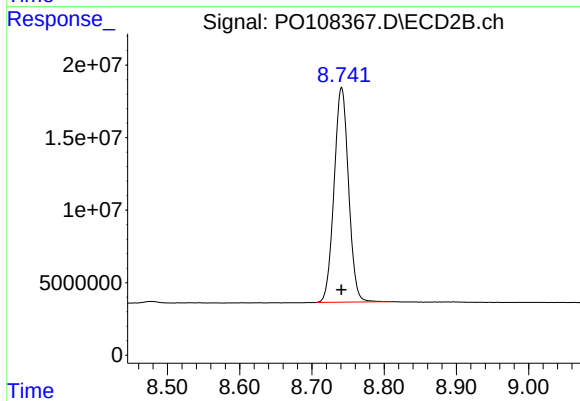
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 254824996
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.788 min
Delta R.T.: 0.000 min
Response: 384297943
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 206153933
Conc: 50.00 ng/ml

Response_

Signal: PO108367.D\ECD1A.ch

#8 AR-1221-1

R.T.: 3.925 min

Delta R.T.: 0.000 min

Response: 56571909

Conc: 500.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1221ICC500

1.5e+07

1e+07

5000000

0

3.925

+

3.75 3.80 3.85 3.90 3.95 4.00 4.05 4.10

Time

Response_

Signal: PO108367.D\ECD2B.ch

#8 AR-1221-1

R.T.: 3.922 min

Delta R.T.: 0.000 min

Response: 31061265

Conc: 500.00 ng/ml

1e+07

8000000

6000000

4000000

2000000

0

3.921

+

3.75 3.80 3.85 3.90 3.95 4.00 4.05 4.10

Time

Response_

Signal: PO108367.D\ECD1A.ch

#9 AR-1221-2

R.T.: 4.012 min

Delta R.T.: 0.000 min

Response: 43360161

Conc: 500.00 ng/ml

1.5e+07

1e+07

5000000

0

4.011

+

3.85 3.90 3.95 4.00 4.05 4.10 4.15

Time

Response_

Signal: PO108367.D\ECD2B.ch

#9 AR-1221-2

R.T.: 4.007 min

Delta R.T.: 0.000 min

Response: 23722482

Conc: 500.00 ng/ml

1e+07

8000000

6000000

4000000

2000000

0

4.007

+

3.85 3.90 3.95 4.00 4.05 4.10 4.15

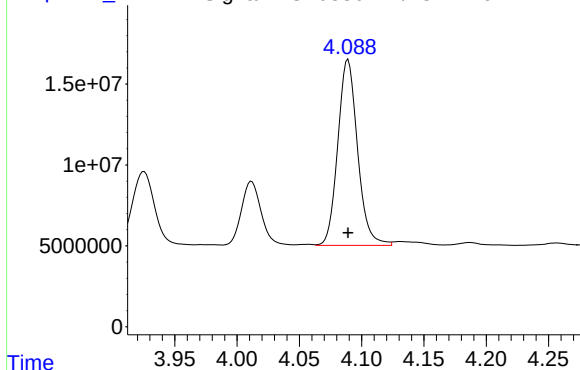
Time

Response_

Signal: PO108367.D\ECD1A.ch

#10 AR-1221-3

ICAL Form



R.T.: 4.089 min
Delta R.T.: 0.000 min
Response: 127102746
Conc: 500.00 ng/ml

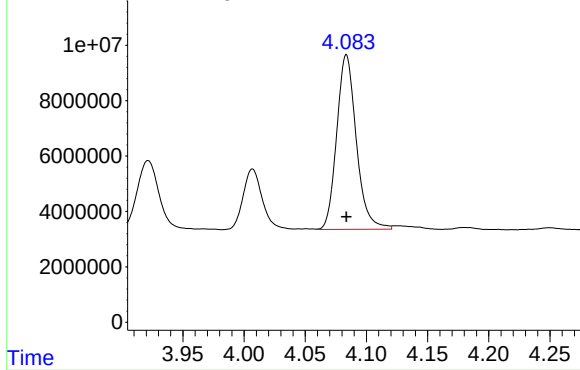
Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

Time

Response_

Signal: PO108367.D\ECD2B.ch

#10 AR-1221-3



R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 70293463
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:09
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: Dec 07 03:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:22:18 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...	3.710	3.708	444.2E6	248.7E6	50.000	50.000
2) SA Decachlor...	8.789	8.741	367.4E6	196.5E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	4.089	4.084	102.4E6	56025919	500.000	500.000
12) L3 AR-1232-2	4.586	4.817	57176726	52877010	500.000	500.000
13) L3 AR-1232-3	4.829	4.994	98738250	30173584	500.000	500.000
14) L3 AR-1232-4	5.005	5.078	54189863	27778236	500.000	500.000
15) L3 AR-1232-5	5.048	5.249	39164726	28788093	500.000	500.000

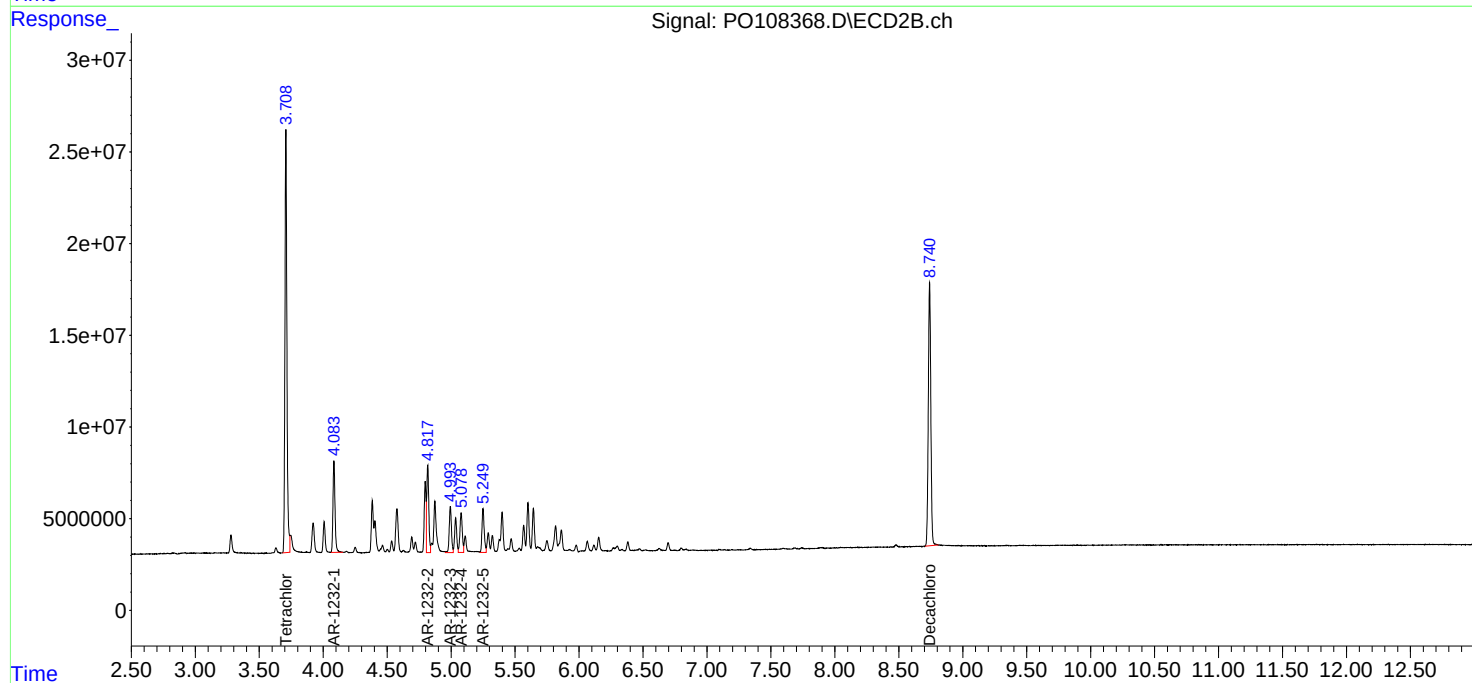
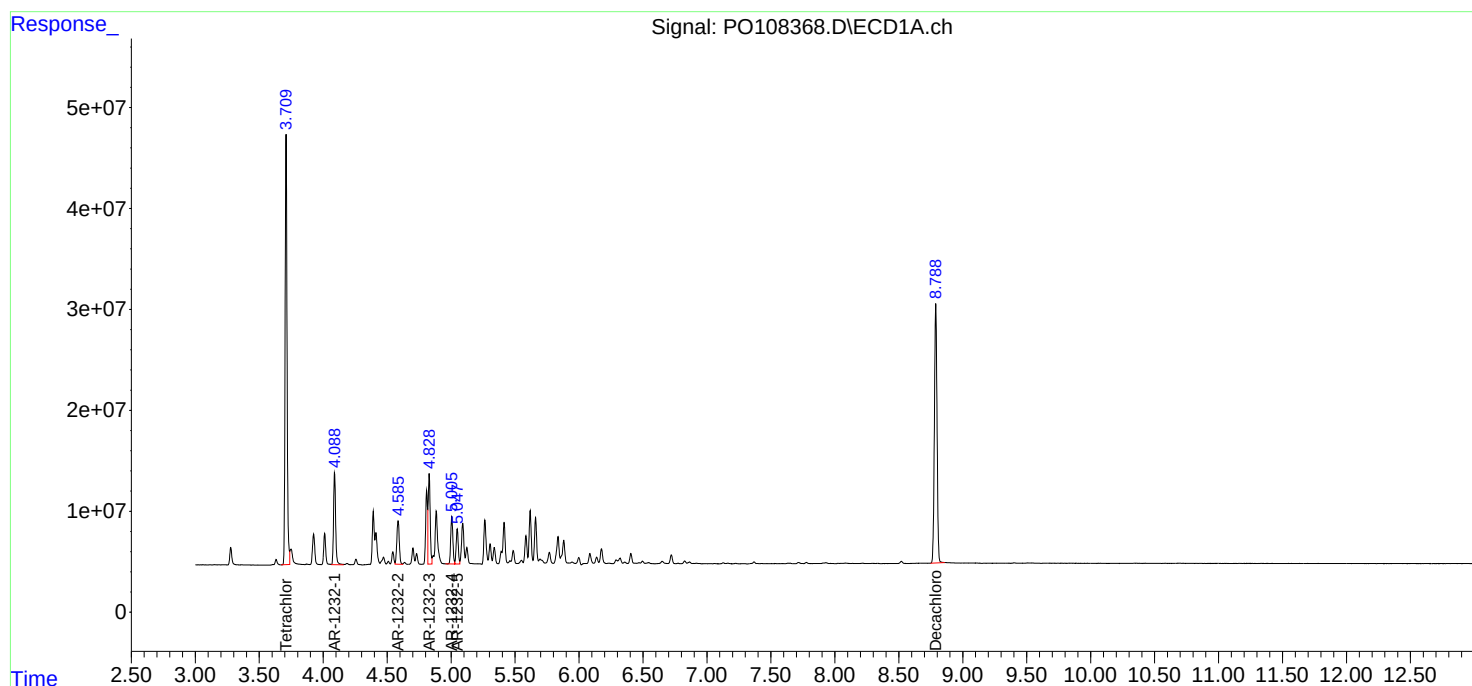
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:09
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: Dec 07 03:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:22:18 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

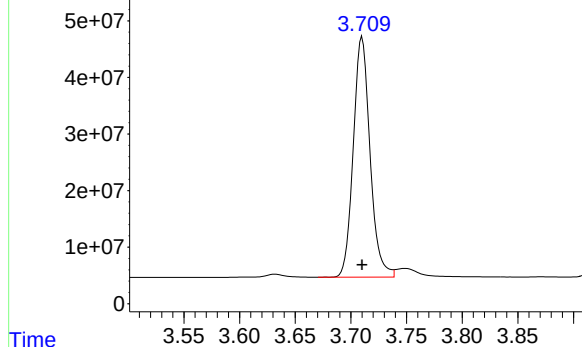


Response_ Signal: PO108368.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 444225496
Conc: 50.00 ng/ml

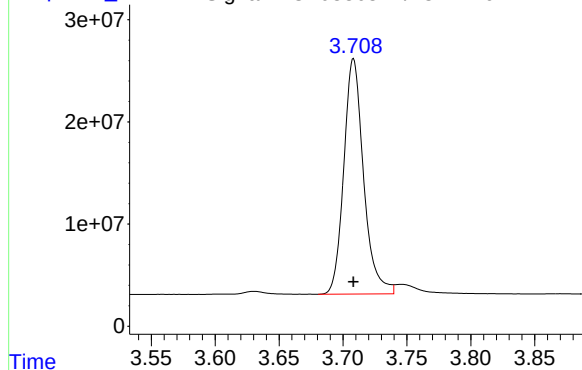
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



Time Response_ Signal: PO108368.D\ECD2B.ch

#1 Tetrachloro-m-xylene

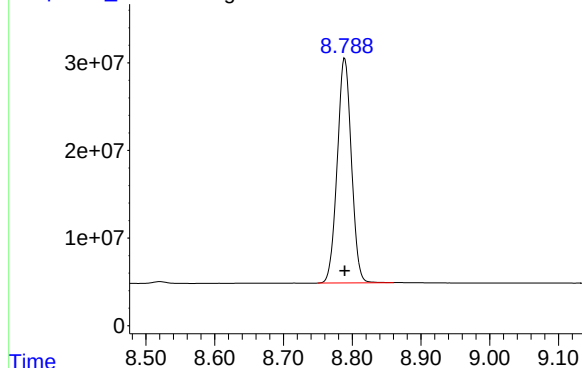
R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 248690425
Conc: 50.00 ng/ml



Time Response_ Signal: PO108368.D\ECD1A.ch

#2 Decachlorobiphenyl

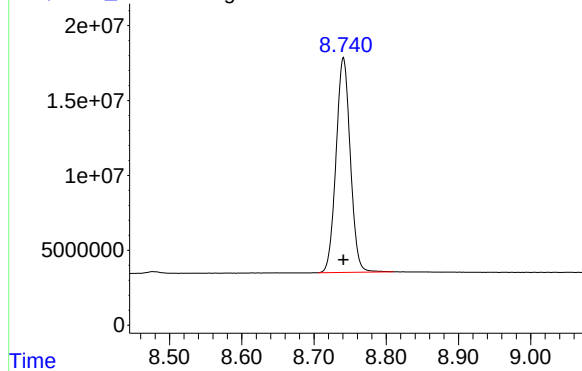
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 367362912
Conc: 50.00 ng/ml



Time Response_ Signal: PO108368.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 196504885
Conc: 50.00 ng/ml

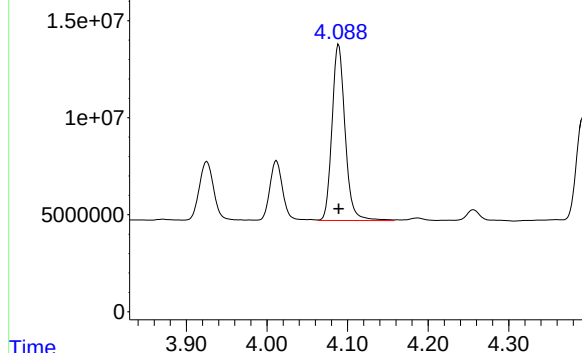


Response_ Signal: PO108368.D\ECD1A.ch

#11 AR-1232-1

R.T.: 4.089 min
Delta R.T.: 0.000 min
Response: 102385115
Conc: 500.00 ng/ml

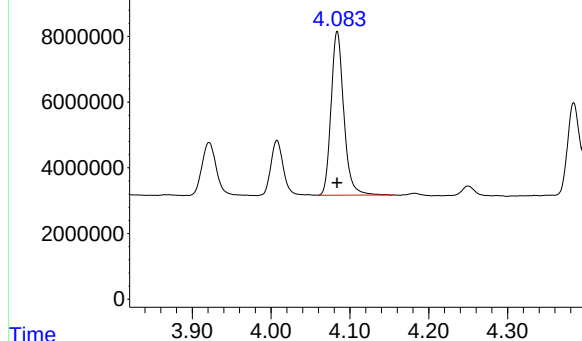
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



Time Response_ Signal: PO108368.D\ECD2B.ch

#11 AR-1232-1

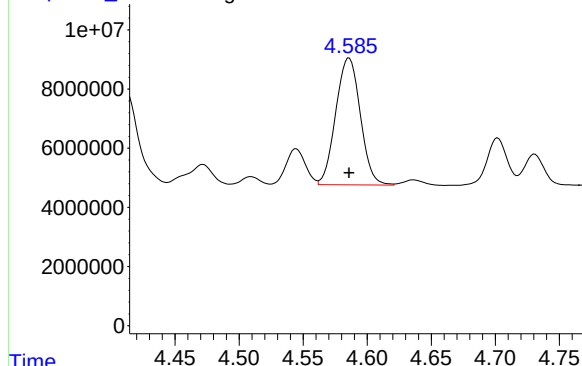
R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 56025919
Conc: 500.00 ng/ml



Time Response_ Signal: PO108368.D\ECD1A.ch

#12 AR-1232-2

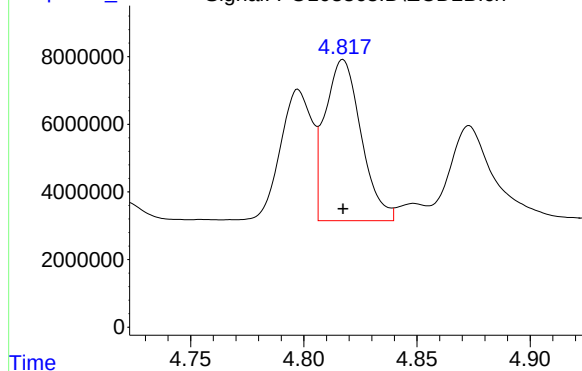
R.T.: 4.586 min
Delta R.T.: 0.000 min
Response: 57176726
Conc: 500.00 ng/ml



Time Response_ Signal: PO108368.D\ECD2B.ch

#12 AR-1232-2

R.T.: 4.817 min
Delta R.T.: 0.000 min
Response: 52877010
Conc: 500.00 ng/ml

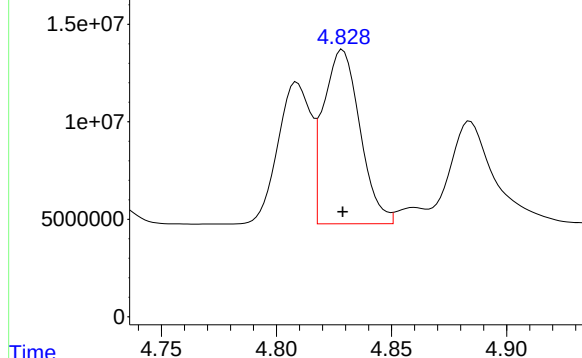


Response_ Signal: PO108368.D\ECD1A.ch

#13 AR-1232-3

R.T.: 4.829 min
Delta R.T.: 0.000 min
Response: 98738250
Conc: 500.00 ng/ml

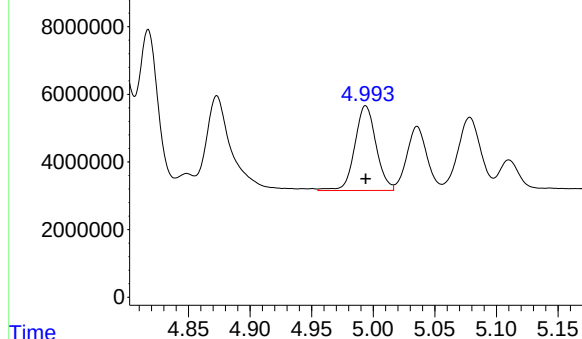
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



Time Response_ Signal: PO108368.D\ECD2B.ch

#13 AR-1232-3

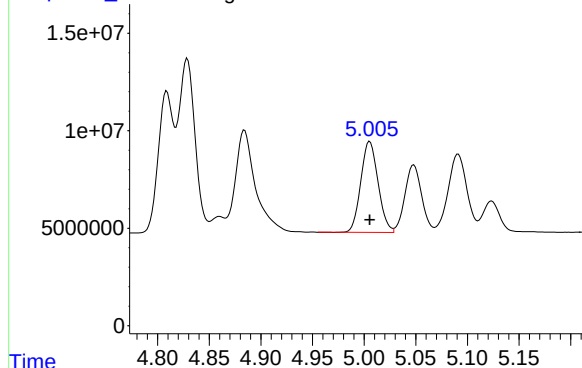
R.T.: 4.994 min
Delta R.T.: 0.000 min
Response: 30173584
Conc: 500.00 ng/ml



Time Response_ Signal: PO108368.D\ECD1A.ch

#14 AR-1232-4

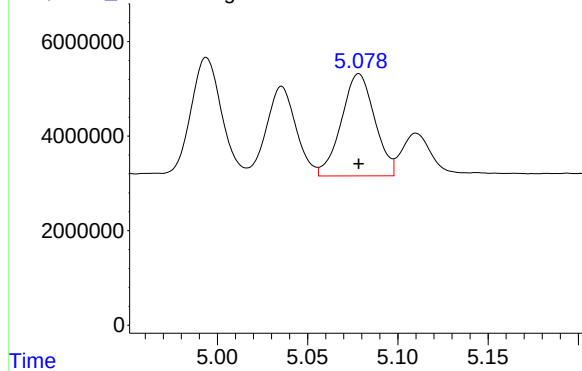
R.T.: 5.005 min
Delta R.T.: 0.000 min
Response: 54189863
Conc: 500.00 ng/ml

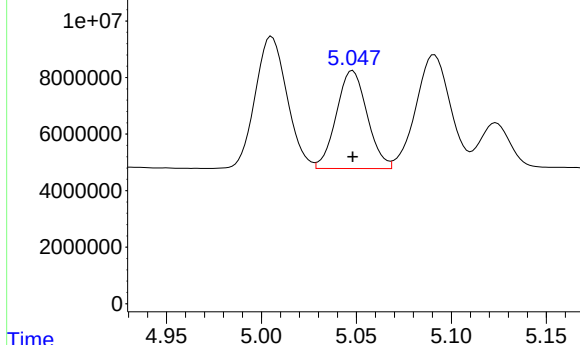


Time Response_ Signal: PO108368.D\ECD2B.ch

#14 AR-1232-4

R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 27778236
Conc: 500.00 ng/ml





R.T.: 5.048 min
Delta R.T.: 0.000 min
Response: 39164726
Conc: 500.00 ng/ml

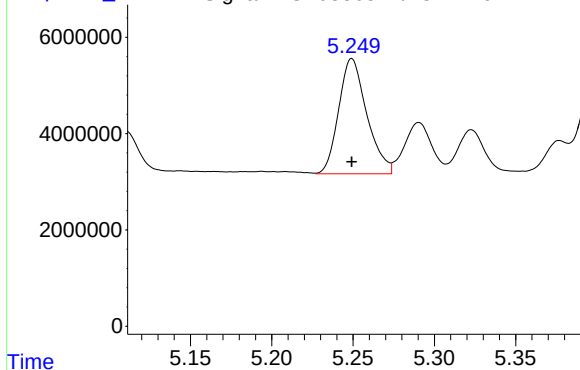
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

Time

Response_

Signal: PO108368.D\ECD2B.ch

#15 AR-1232-5



R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 28788093
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:28
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: Dec 07 03:28:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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...	3.709	3.708	892.1E6	517.6E6	101.957	102.233
2) SA Decachlor...	8.787	8.740	715.2E6	383.8E6	98.518	97.601
Target Compounds						
16) L4 AR-1242-1	4.808	4.798	247.1E6	129.5E6	986.267	975.957
17) L4 AR-1242-2	4.828	4.818	337.8E6	181.1E6	994.614	988.288
18) L4 AR-1242-3	4.884	4.993	232.4E6	100.9E6	976.542	980.579
19) L4 AR-1242-4	5.005	5.078	184.2E6	100.4E6	985.499	961.375
20) L4 AR-1242-5	5.660	5.601	194.0E6	119.2E6	982.463	977.241

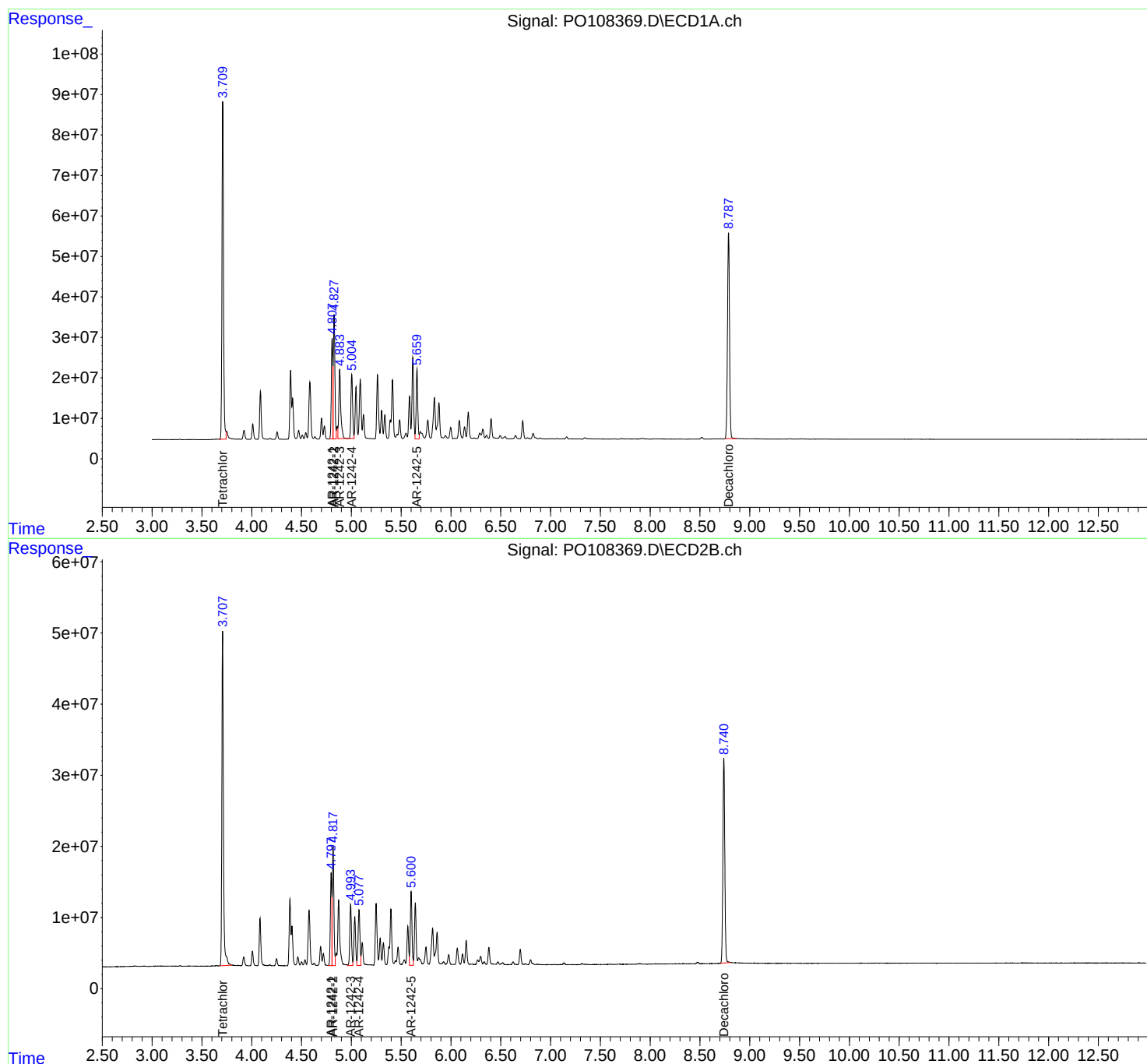
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

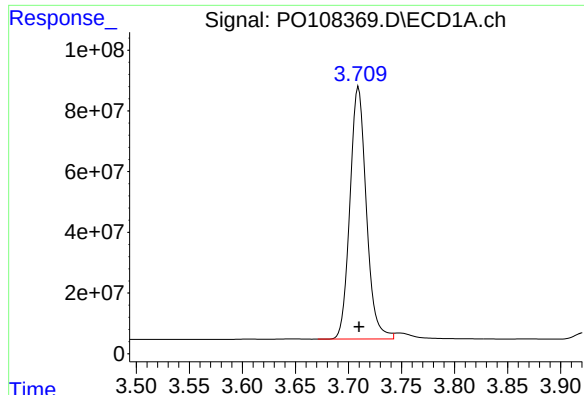
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:28
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:28:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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

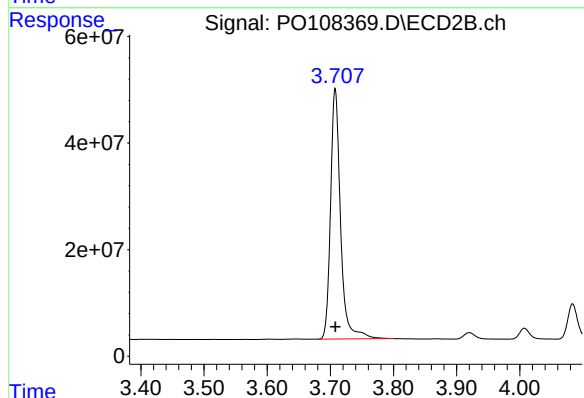




#1 Tetrachloro-m-xylene

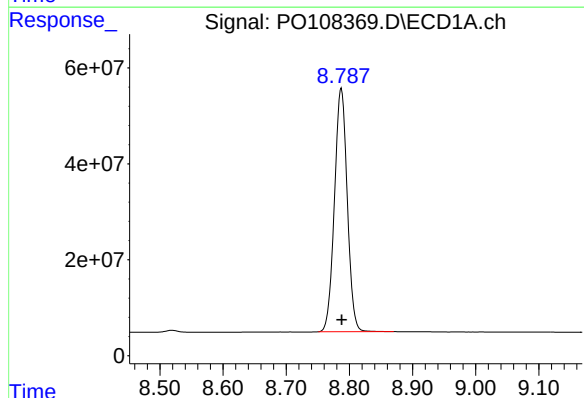
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 892136815
Conc: 101.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



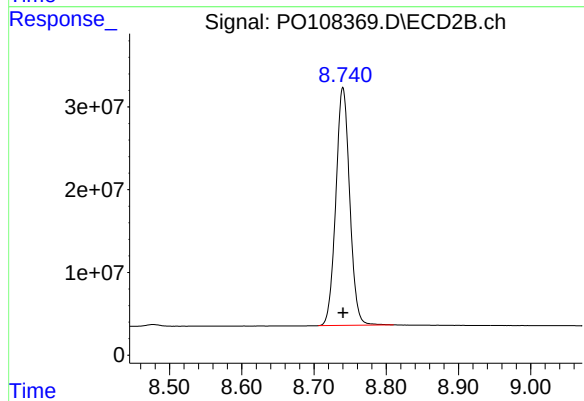
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 517563787
Conc: 102.23 ng/ml



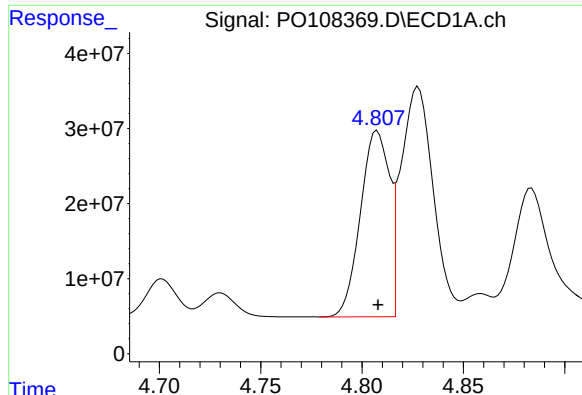
#2 Decachlorobiphenyl

R.T.: 8.787 min
Delta R.T.: 0.000 min
Response: 715163252
Conc: 98.52 ng/ml



#2 Decachlorobiphenyl

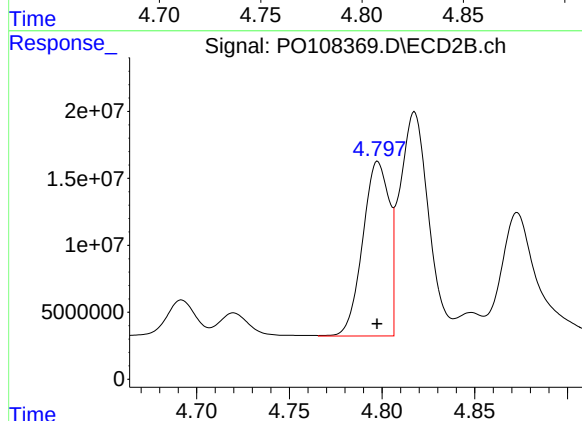
R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 383782403
Conc: 97.60 ng/ml



#16 AR-1242-1

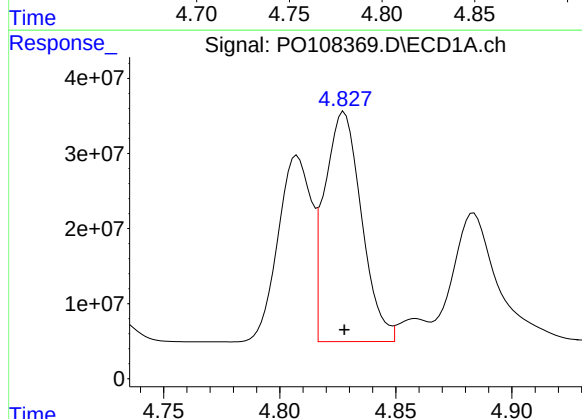
R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 247125512
Conc: 986.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



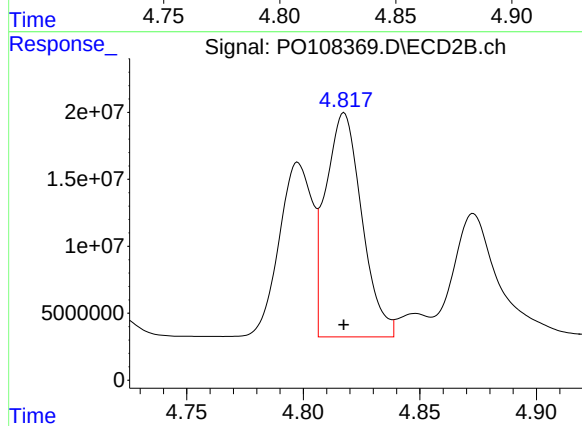
#16 AR-1242-1

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 129471703
Conc: 975.96 ng/ml



#17 AR-1242-2

R.T.: 4.828 min
Delta R.T.: 0.000 min
Response: 337820704
Conc: 994.61 ng/ml



#17 AR-1242-2

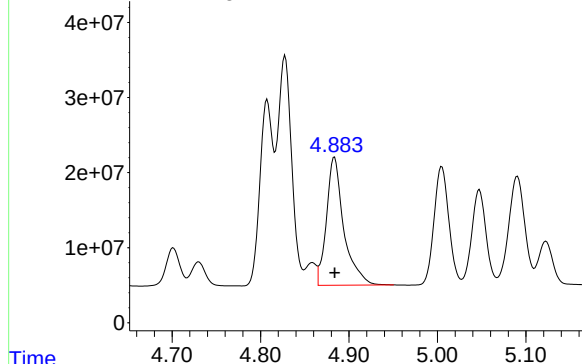
R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 181117644
Conc: 988.29 ng/ml

Response_ Signal: PO108369.D\ECD1A.ch

#18 AR-1242-3

R.T.: 4.884 min
Delta R.T.: 0.000 min
Response: 232389462
Conc: 976.54 ng/ml

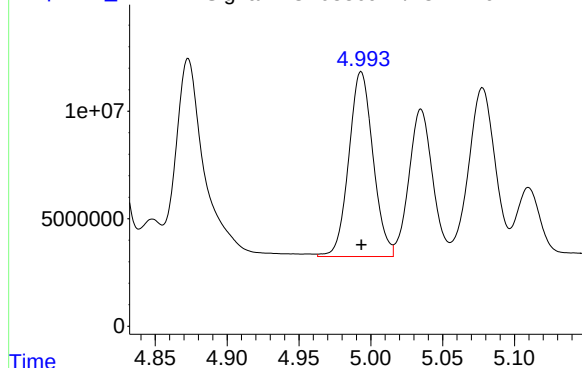
Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



Time Response_ Signal: PO108369.D\ECD2B.ch

#18 AR-1242-3

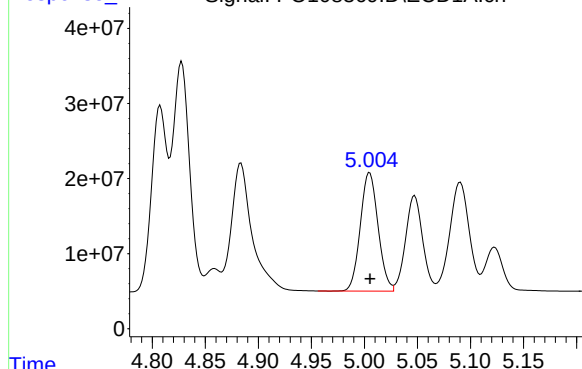
R.T.: 4.993 min
Delta R.T.: 0.000 min
Response: 100948316
Conc: 980.58 ng/ml



Time Response_ Signal: PO108369.D\ECD1A.ch

#19 AR-1242-4

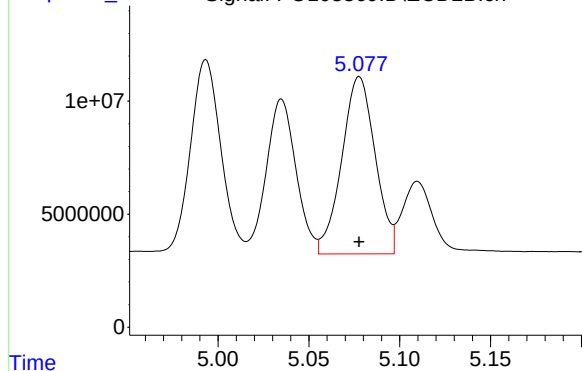
R.T.: 5.005 min
Delta R.T.: 0.000 min
Response: 184244210
Conc: 985.50 ng/ml

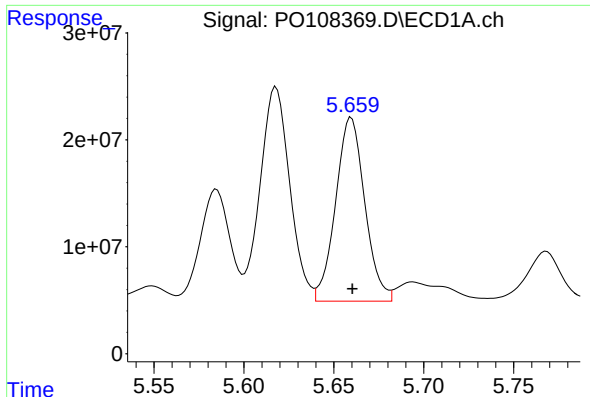


Time Response_ Signal: PO108369.D\ECD2B.ch

#19 AR-1242-4

R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 100375229
Conc: 961.38 ng/ml

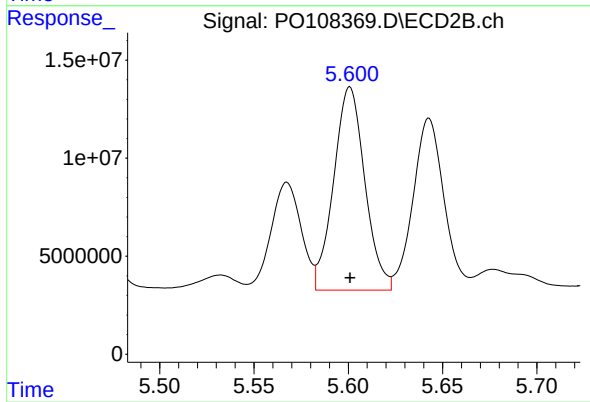




#20 AR-1242-5

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 194011522
Conc: 982.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.601 min
Delta R.T.: 0.000 min
Response: 119243844
Conc: 977.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:46
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: Dec 07 03:29:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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...	3.709	3.708	651.9E6	379.2E6	74.501	74.904
2) SA Decachlor...	8.787	8.741	537.5E6	291.1E6	74.048	74.041
Target Compounds						
16) L4 AR-1242-1	4.808	4.797	183.3E6	96799225	731.717	729.672
17) L4 AR-1242-2	4.828	4.817	249.4E6	135.2E6	734.320	737.938
18) L4 AR-1242-3	4.883	4.993	171.7E6	75364148	721.601	732.062
19) L4 AR-1242-4	5.005	5.078	134.3E6	75299205	718.502	721.202
20) L4 AR-1242-5	5.660	5.601	146.1E6	89249979	739.628	731.432

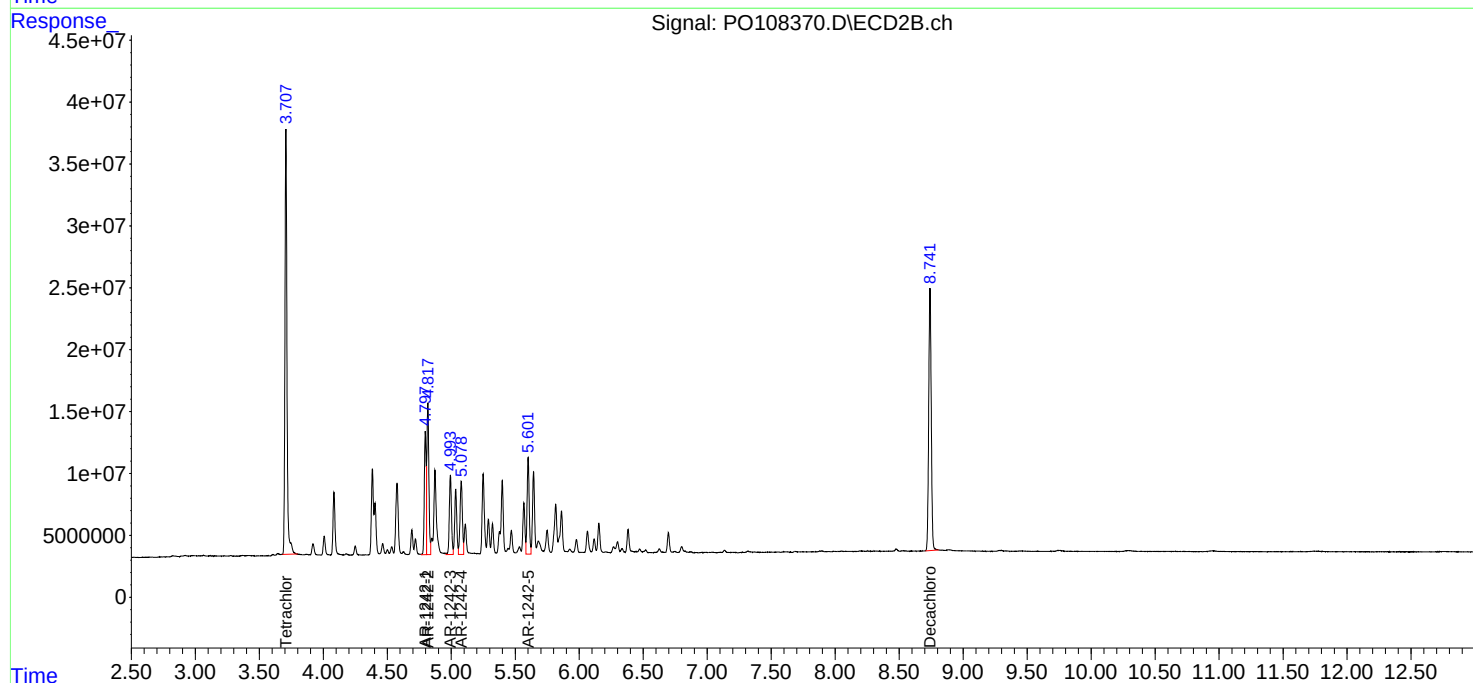
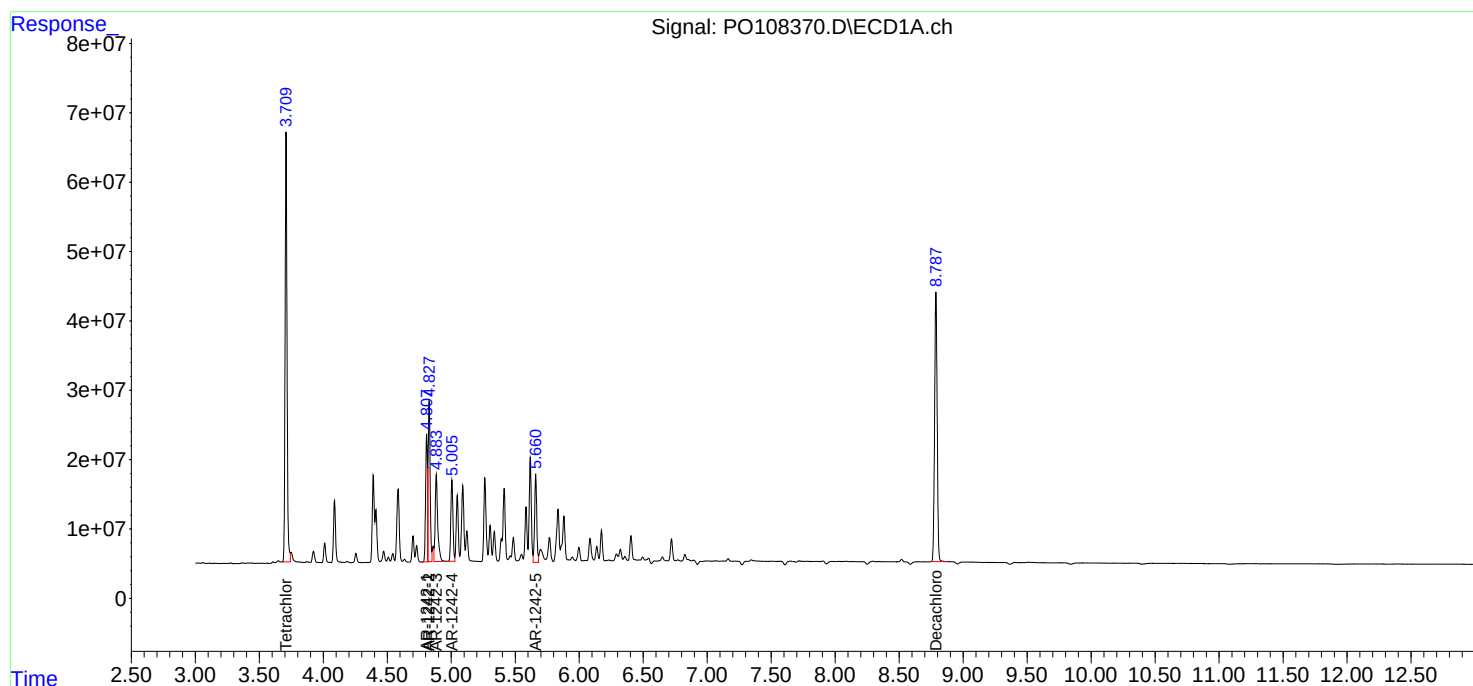
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

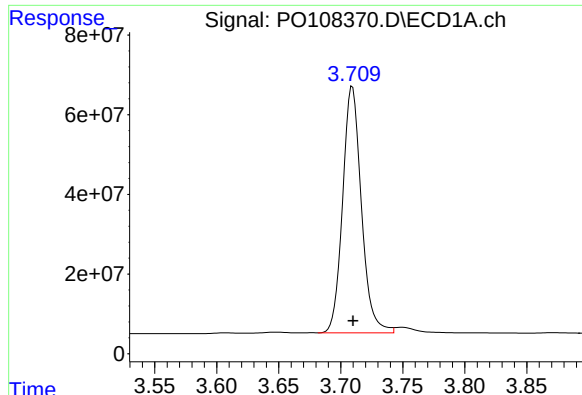
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:46
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:29:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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

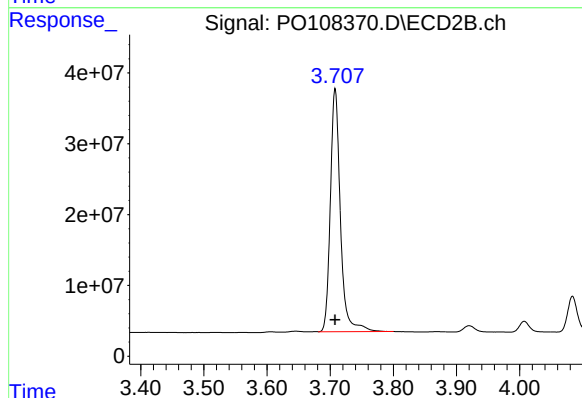




#1 Tetrachloro-m-xylene

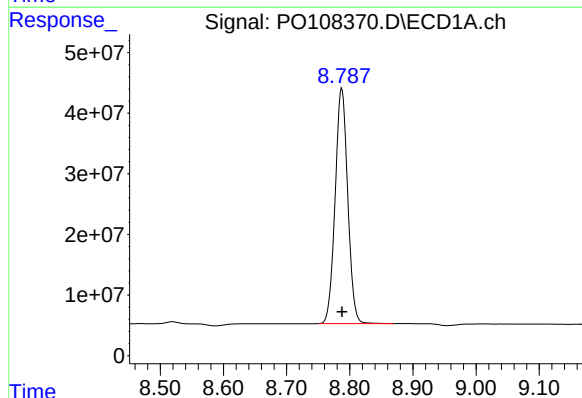
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 651888781
Conc: 74.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



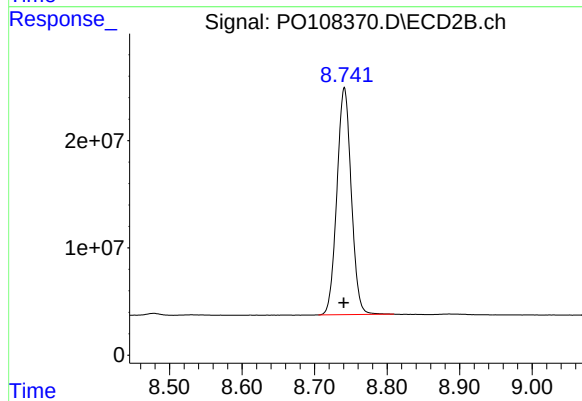
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 379209131
Conc: 74.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.787 min
Delta R.T.: 0.000 min
Response: 537532548
Conc: 74.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 291141680
Conc: 74.04 ng/ml

Response_

Signal: PO108370.D\ECD1A.ch

#16 AR-1242-1

R.T.: 4.808 min

Delta R.T.: 0.000 min

Response: 183343786

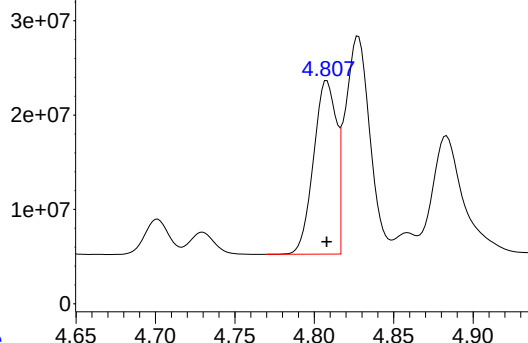
Conc: 731.72 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1242ICC750



Time

Response_

Signal: PO108370.D\ECD2B.ch

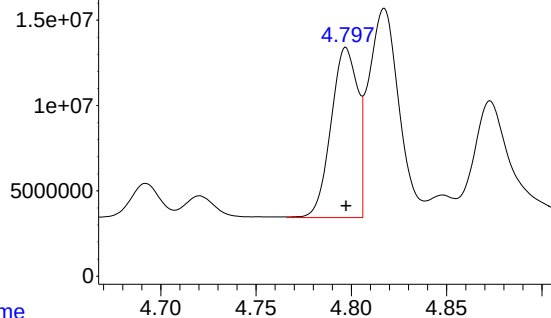
#16 AR-1242-1

R.T.: 4.797 min

Delta R.T.: 0.000 min

Response: 96799225

Conc: 729.67 ng/ml



Time

Response_

Signal: PO108370.D\ECD1A.ch

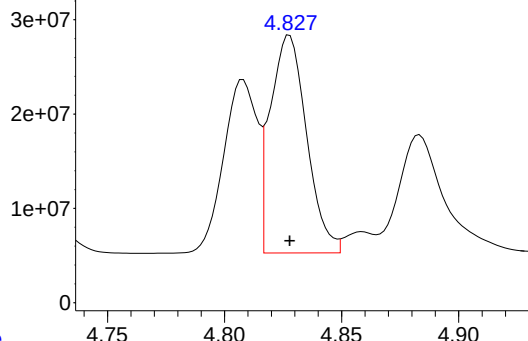
#17 AR-1242-2

R.T.: 4.828 min

Delta R.T.: 0.000 min

Response: 249411811

Conc: 734.32 ng/ml



Time

Response_

Signal: PO108370.D\ECD2B.ch

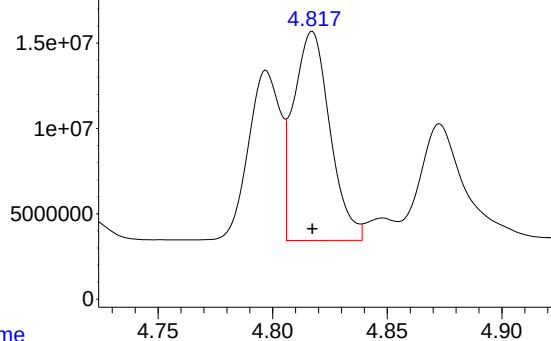
#17 AR-1242-2

R.T.: 4.817 min

Delta R.T.: 0.000 min

Response: 135237399

Conc: 737.94 ng/ml



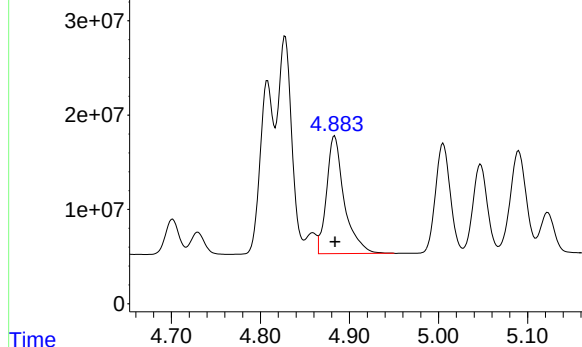
Time

Response_ Signal: PO108370.D\ECD1A.ch

#18 AR-1242-3

R.T.: 4.883 min
Delta R.T.: 0.000 min
Response: 171720586
Conc: 721.60 ng/ml

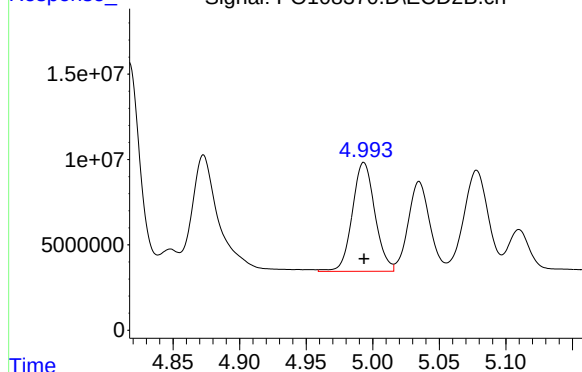
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



Time Response_ Signal: PO108370.D\ECD2B.ch

#18 AR-1242-3

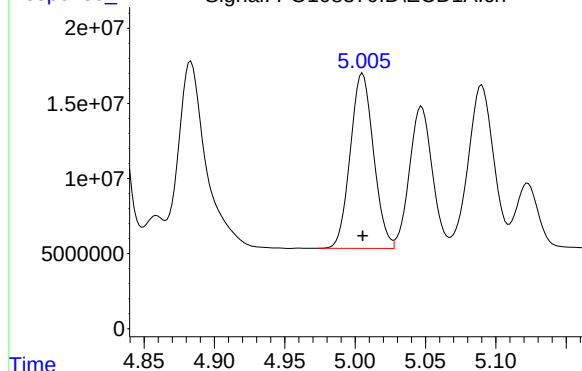
R.T.: 4.993 min
Delta R.T.: 0.000 min
Response: 75364148
Conc: 732.06 ng/ml



Time Response_ Signal: PO108370.D\ECD1A.ch

#19 AR-1242-4

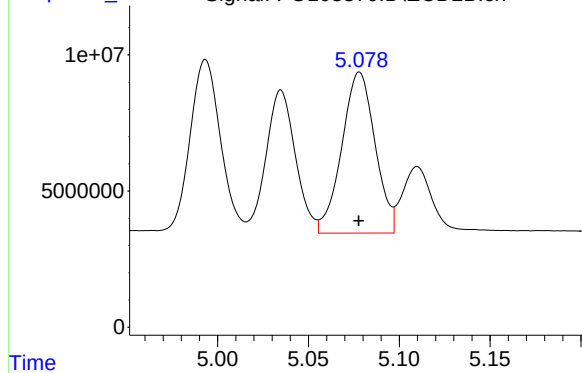
R.T.: 5.005 min
Delta R.T.: 0.000 min
Response: 134327652
Conc: 718.50 ng/ml



Time Response_ Signal: PO108370.D\ECD2B.ch

#19 AR-1242-4

R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 75299205
Conc: 721.20 ng/ml

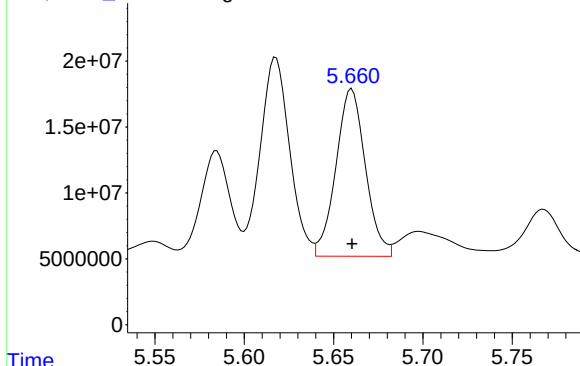


Response_

Signal: PO108370.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 146057705
Conc: 739.63 ng/ml

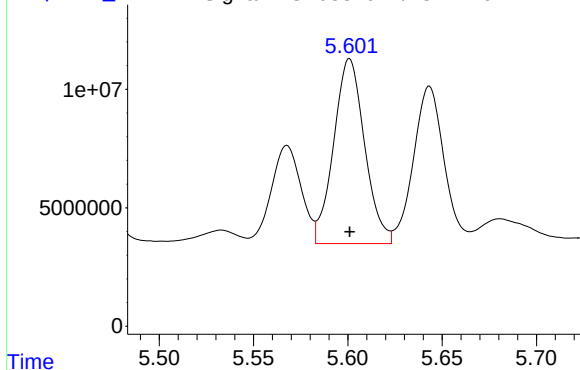
Instrument :
ECD_O
ClientSampleId :
AR1242ICC750

Time

Response_

Signal: PO108370.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.601 min
Delta R.T.: 0.000 min
Response: 89249979
Conc: 731.43 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:04
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: Dec 07 03:29:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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...	3.710	3.708	437.5E6	253.1E6	50.000	50.000
2) SA Decachlor...	8.788	8.740	363.0E6	196.6E6	50.000	50.000
Target Compounds						
16) L4 AR-1242-1	4.808	4.797	125.3E6	66330645	500.000	500.000
17) L4 AR-1242-2	4.828	4.817	169.8E6	91631995	500.000	500.000
18) L4 AR-1242-3	4.884	4.993	119.0E6	51473854	500.000	500.000
19) L4 AR-1242-4	5.005	5.078	93477622	52203987	500.000	500.000
20) L4 AR-1242-5	5.660	5.601	98737288	61010454	500.000	500.000

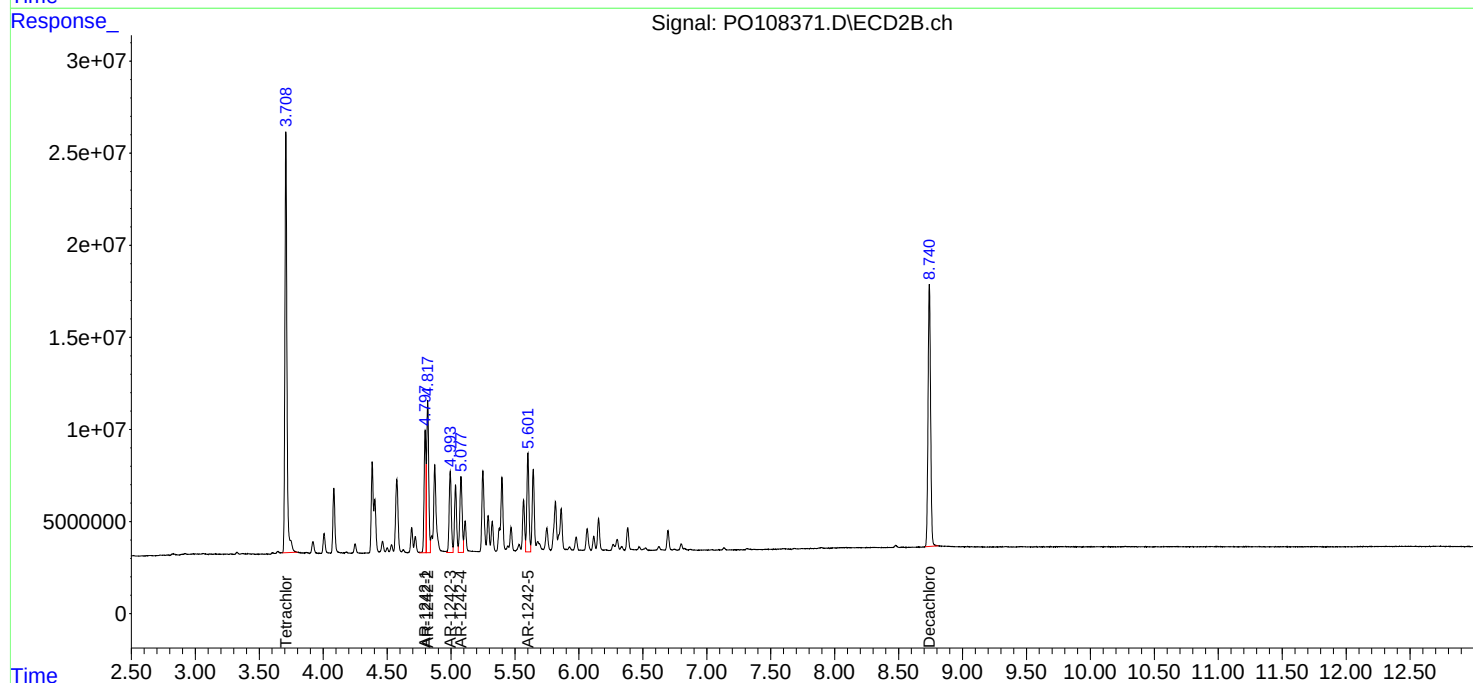
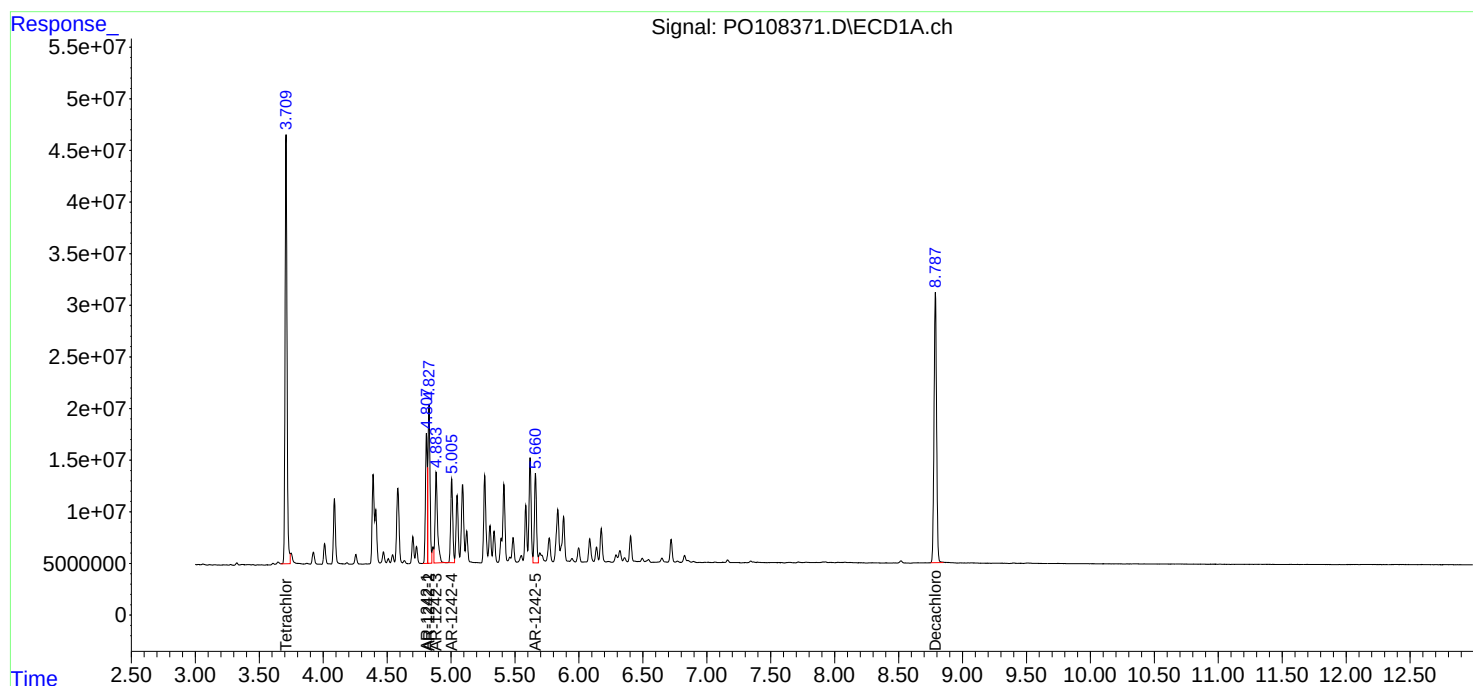
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

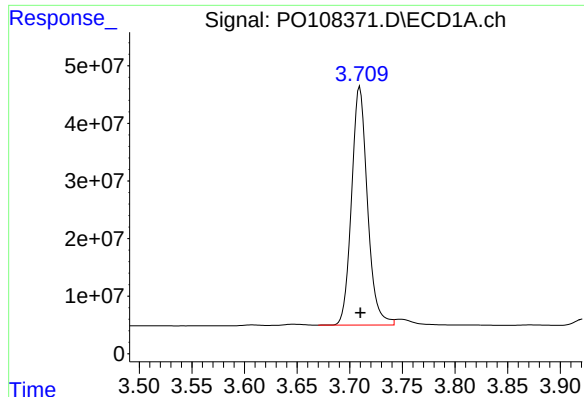
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:04
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:29:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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

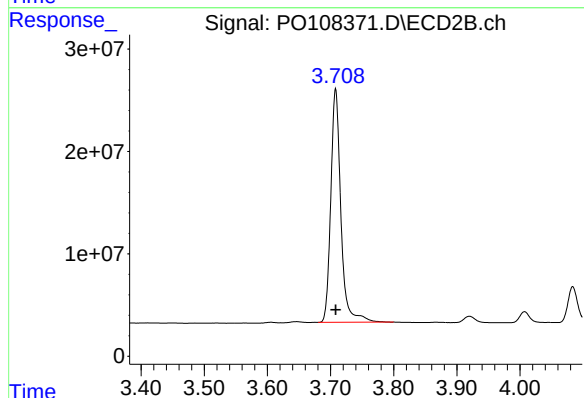




#1 Tetrachloro-m-xylene

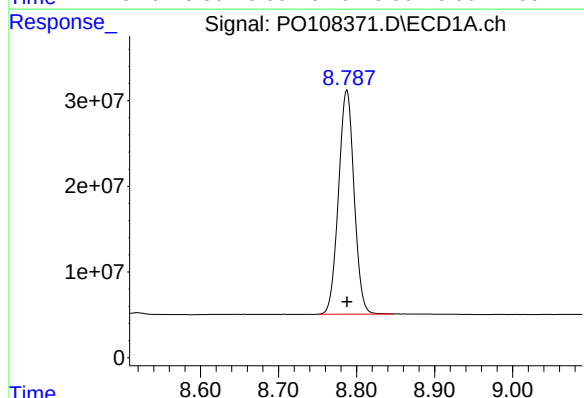
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 437505407
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



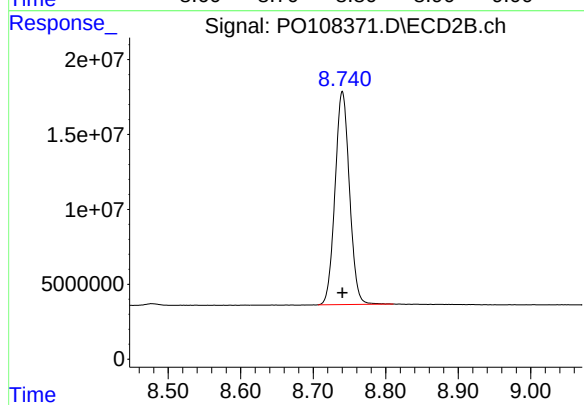
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 253129504
Conc: 50.00 ng/ml



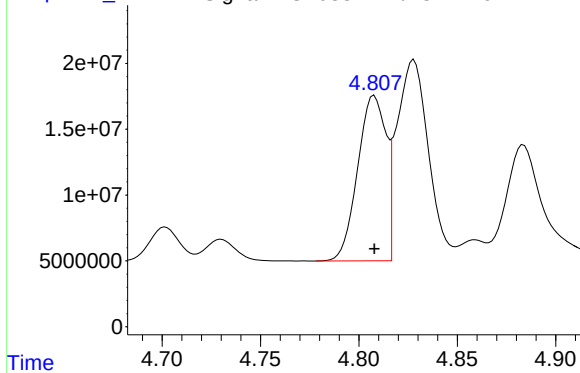
#2 Decachlorobiphenyl

R.T.: 8.788 min
Delta R.T.: 0.000 min
Response: 362962108
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 196608226
Conc: 50.00 ng/ml



R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 125283253
Conc: 500.00 ng/ml

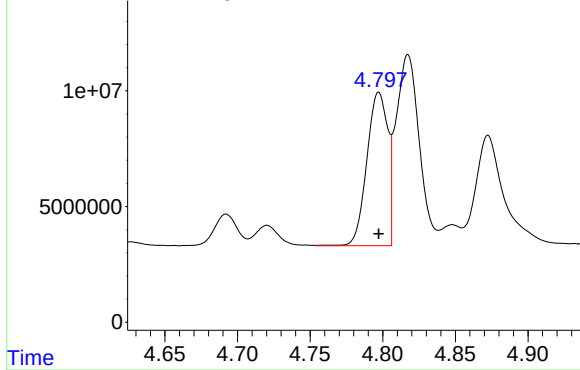
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

Time

Response_

Signal: PO108371.D\ECD2B.ch

#16 AR-1242-1



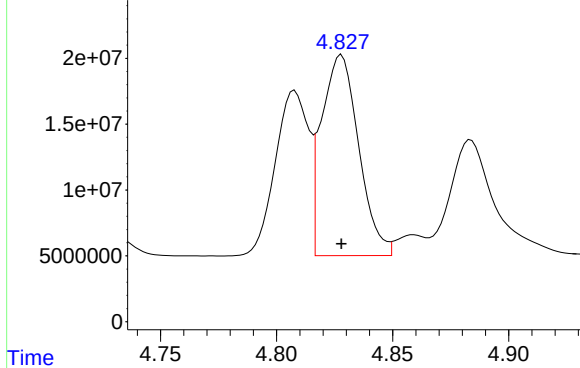
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 66330645
Conc: 500.00 ng/ml

Time

Response_

Signal: PO108371.D\ECD1A.ch

#17 AR-1242-2



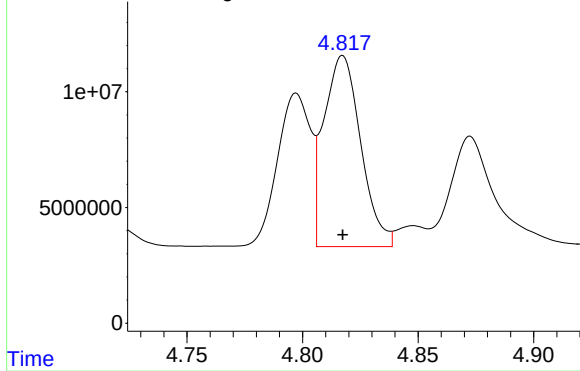
R.T.: 4.828 min
Delta R.T.: 0.000 min
Response: 169824986
Conc: 500.00 ng/ml

Time

Response_

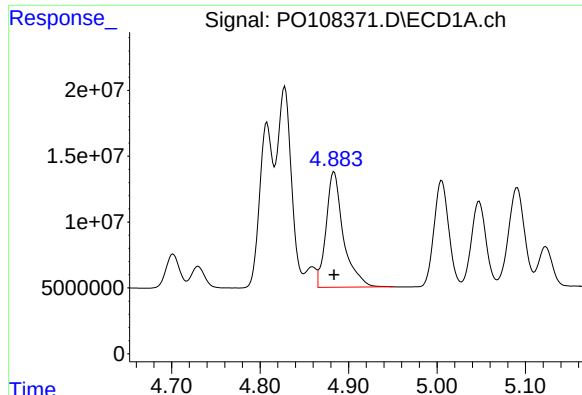
Signal: PO108371.D\ECD2B.ch

#17 AR-1242-2



R.T.: 4.817 min
Delta R.T.: 0.000 min
Response: 91631995
Conc: 500.00 ng/ml

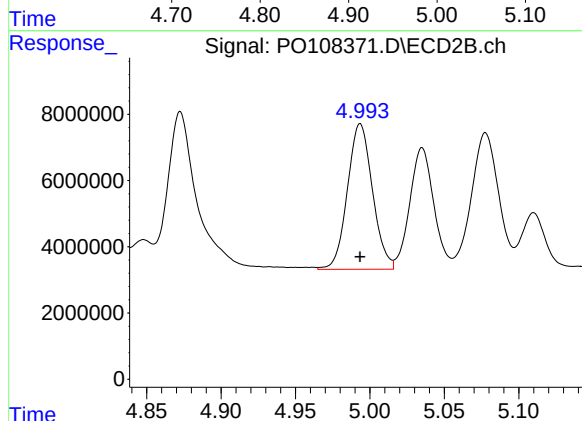
Time



#18 AR-1242-3

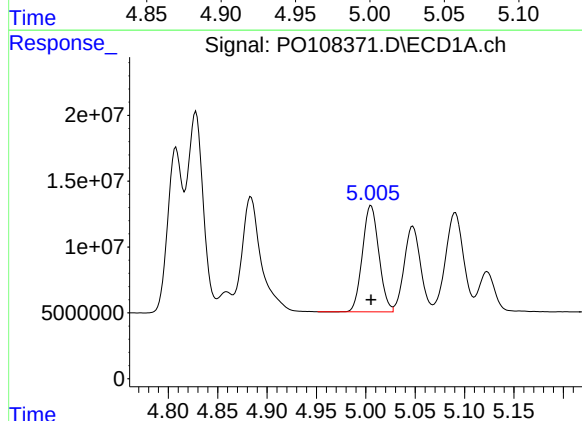
R.T.: 4.884 min
Delta R.T.: 0.000 min
Response: 118985847
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



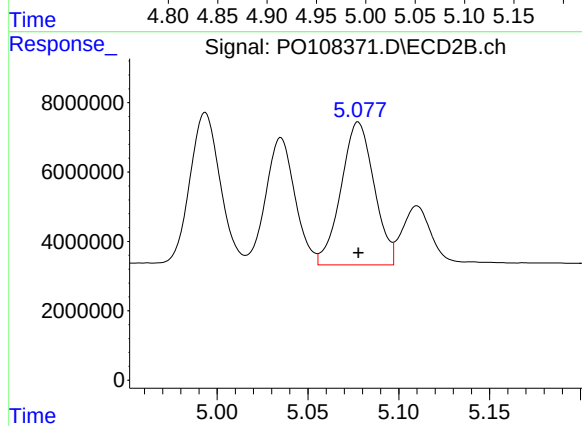
#18 AR-1242-3

R.T.: 4.993 min
Delta R.T.: 0.000 min
Response: 51473854
Conc: 500.00 ng/ml



#19 AR-1242-4

R.T.: 5.005 min
Delta R.T.: 0.000 min
Response: 93477622
Conc: 500.00 ng/ml



#19 AR-1242-4

R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 52203987
Conc: 500.00 ng/ml

Response_

Signal: PO108371.D\ECD1A.ch

#20 AR-1242-5

R.T.: 5.660 min

Delta R.T.: 0.000 min

Response: 98737288

Conc: 500.00 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1242ICC500

1.5e+07

5.660

1e+07

5000000

0

5.55

5.60

5.65

5.70

5.75

Time

Response_

Signal: PO108371.D\ECD2B.ch

#20 AR-1242-5

R.T.: 5.601 min

Delta R.T.: 0.000 min

Response: 61010454

Conc: 500.00 ng/ml

1e+07

5.601

8000000

6000000

4000000

2000000

0

5.50

5.55

5.60

5.65

5.70

Time

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:23
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: Dec 07 03:29:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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...	3.709	3.708	221.1E6	126.9E6	25.264	25.073
2) SA Decachlor...	8.787	8.740	192.4E6	103.6E6	26.501	26.338
Target Compounds						
16) L4 AR-1242-1	4.808	4.797	67263038	35363657	268.444	266.571
17) L4 AR-1242-2	4.828	4.817	89248071	47903183	262.765	261.389
18) L4 AR-1242-3	4.883	4.993	62854493	27129555	264.126	263.528
19) L4 AR-1242-4	5.004	5.078	49135003	27967035	262.817	267.863
20) L4 AR-1242-5	5.660	5.600	54535027	32733791	276.162	268.264

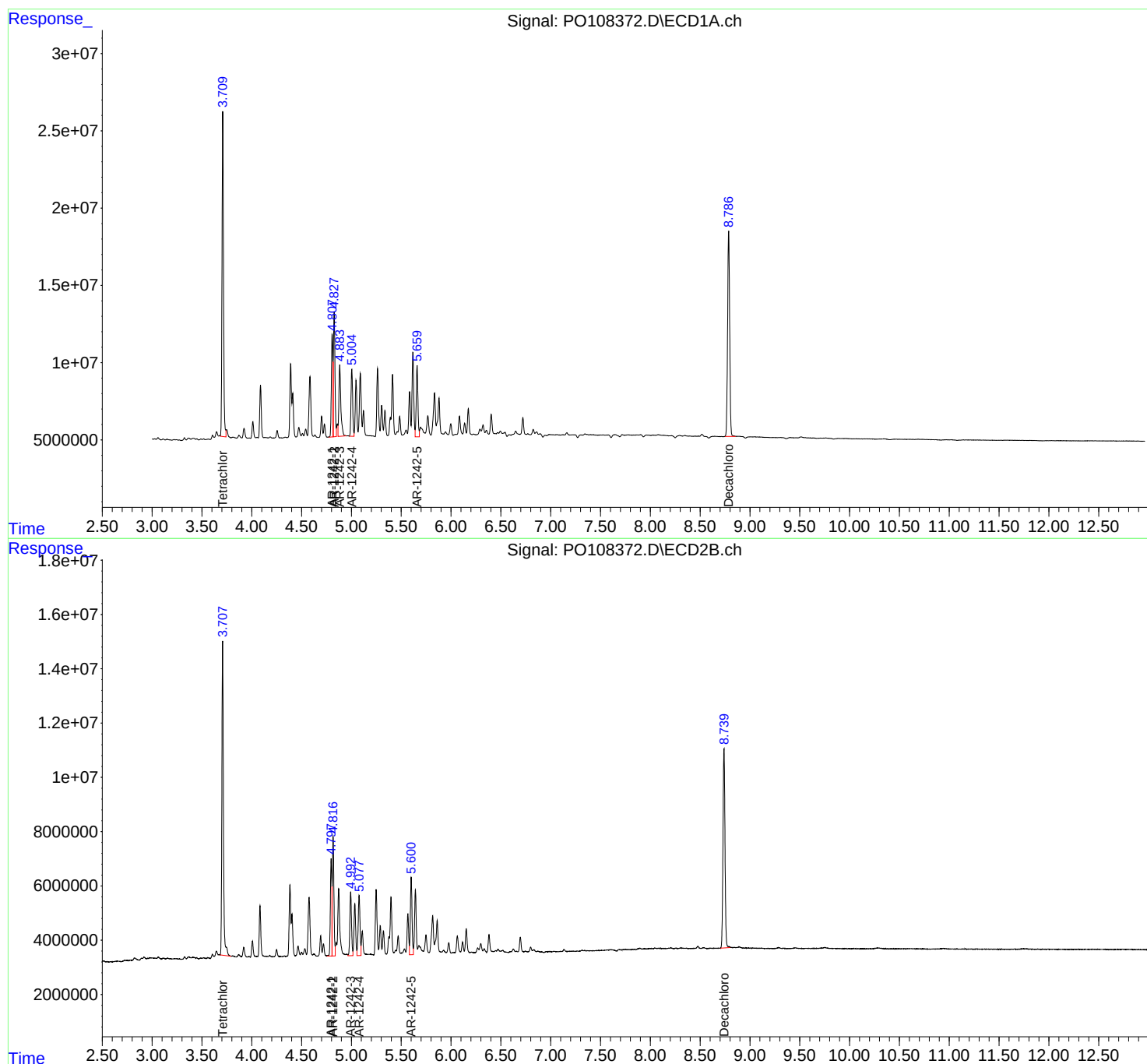
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

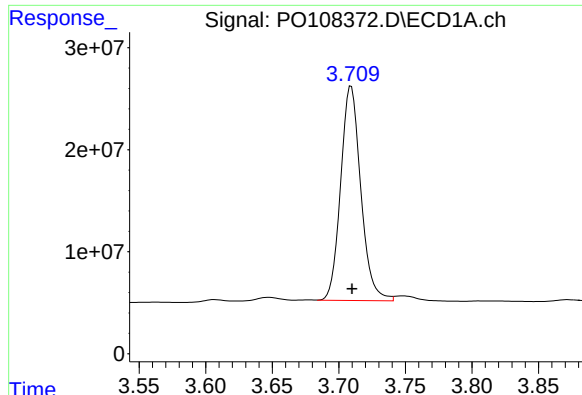
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:23
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:29:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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

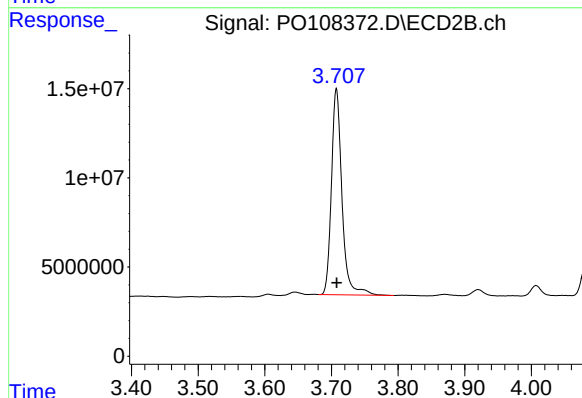




#1 Tetrachloro-m-xylene

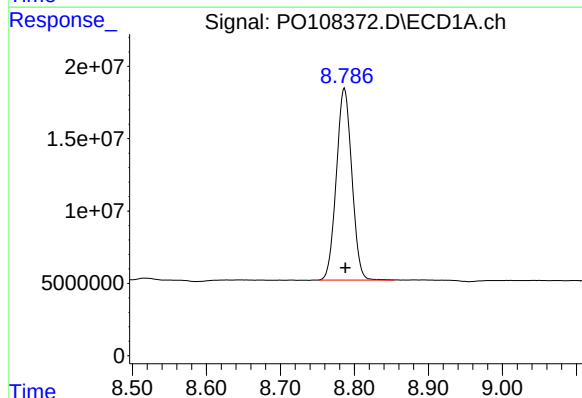
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 221064260
Conc: 25.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



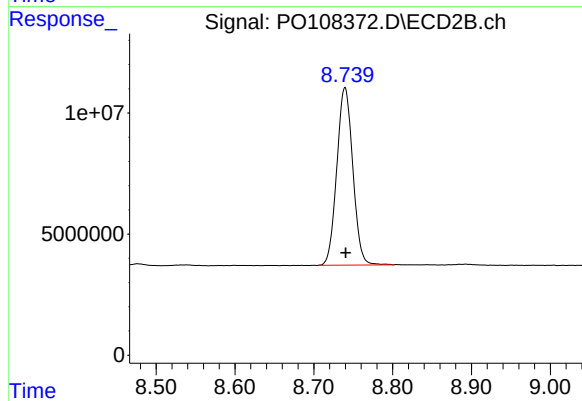
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 126934476
Conc: 25.07 ng/ml



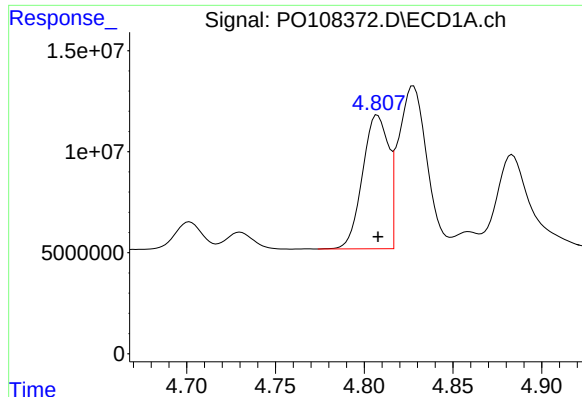
#2 Decachlorobiphenyl

R.T.: 8.787 min
Delta R.T.: -0.001 min
Response: 192377071
Conc: 26.50 ng/ml



#2 Decachlorobiphenyl

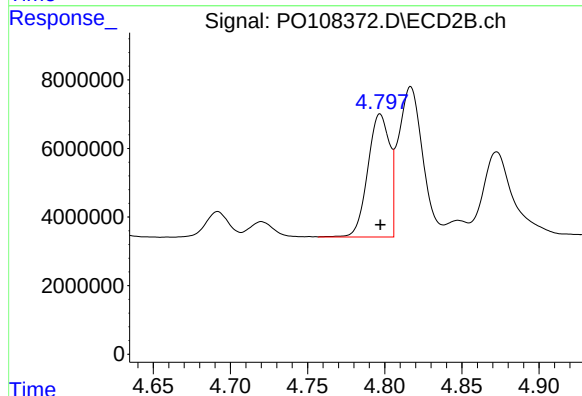
R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 103565808
Conc: 26.34 ng/ml



#16 AR-1242-1

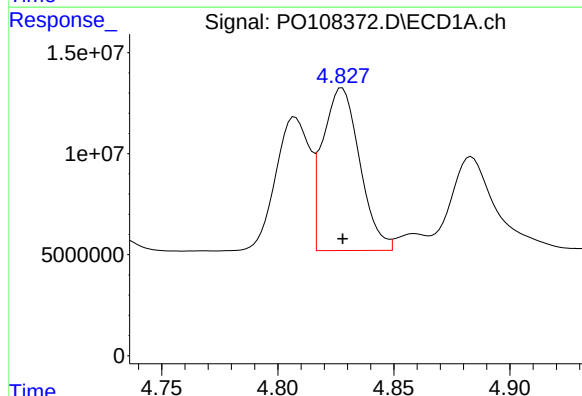
R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 67263038
Conc: 268.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



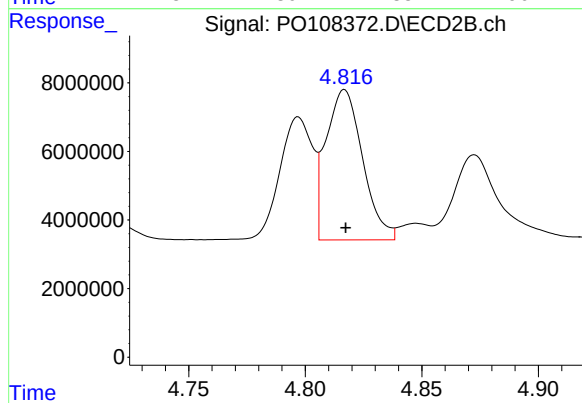
#16 AR-1242-1

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 35363657
Conc: 266.57 ng/ml



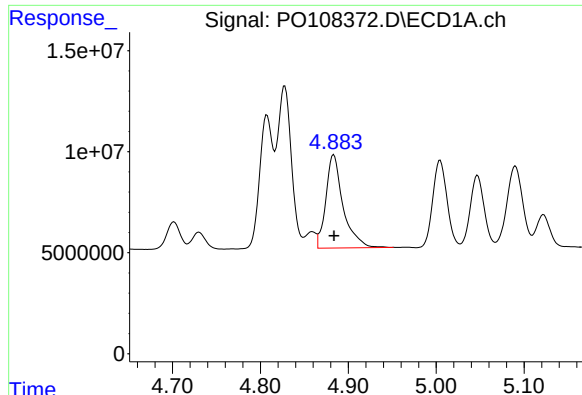
#17 AR-1242-2

R.T.: 4.828 min
Delta R.T.: 0.000 min
Response: 89248071
Conc: 262.76 ng/ml



#17 AR-1242-2

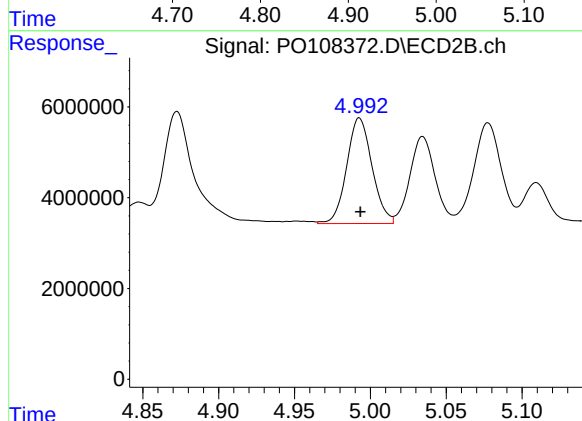
R.T.: 4.817 min
Delta R.T.: 0.000 min
Response: 47903183
Conc: 261.39 ng/ml



#18 AR-1242-3

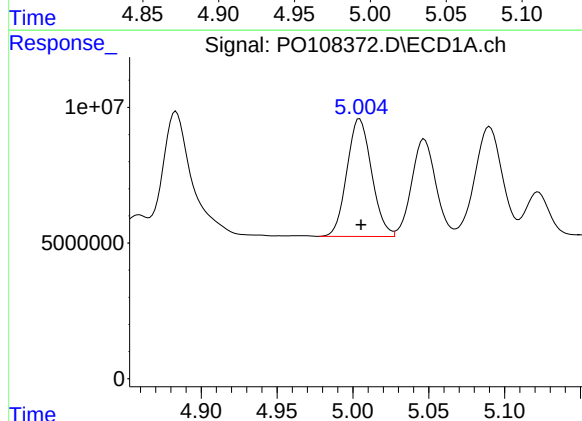
R.T.: 4.883 min
Delta R.T.: 0.000 min
Response: 62854493
Conc: 264.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



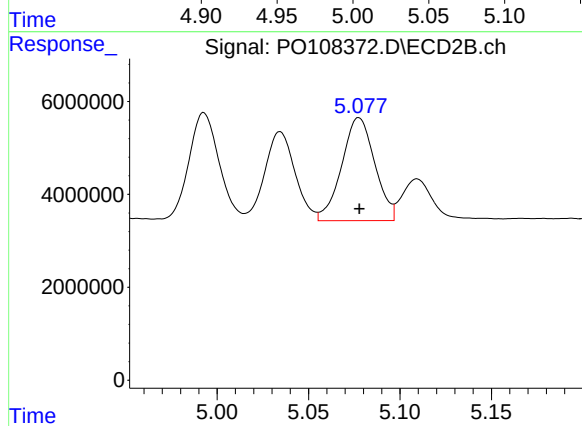
#18 AR-1242-3

R.T.: 4.993 min
Delta R.T.: 0.000 min
Response: 27129555
Conc: 263.53 ng/ml



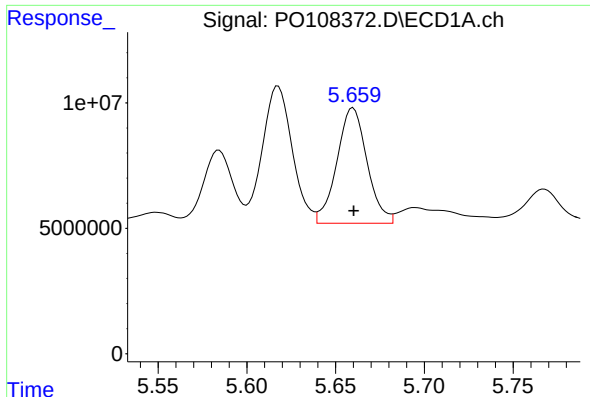
#19 AR-1242-4

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 49135003
Conc: 262.82 ng/ml



#19 AR-1242-4

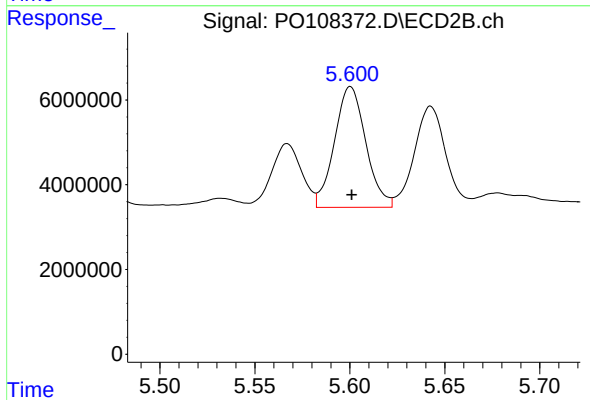
R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 27967035
Conc: 267.86 ng/ml



#20 AR-1242-5

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 54535027
Conc: 276.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



#20 AR-1242-5

R.T.: 5.600 min
Delta R.T.: 0.000 min
Response: 32733791
Conc: 268.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:41
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:30:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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...	3.708	3.707	42500192	23470301	4.857	4.636
2) SA Decachlor...	8.786	8.739	38080770	19909368	5.246	5.063
Target Compounds						
16) L4 AR-1242-1	4.806	4.796	13771137	7309320	54.960	55.098
17) L4 AR-1242-2	4.826	4.816	17939884	9549021	52.819	52.105
18) L4 AR-1242-3	4.882	4.992	12765923	5700607	53.645	55.374
19) L4 AR-1242-4	5.004	5.077	10336411	5979654	55.288	57.272
20) L4 AR-1242-5	5.658	5.599	11699197	7040034	59.244m	57.695

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:41
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AR1242ICC050

Manual Integrations

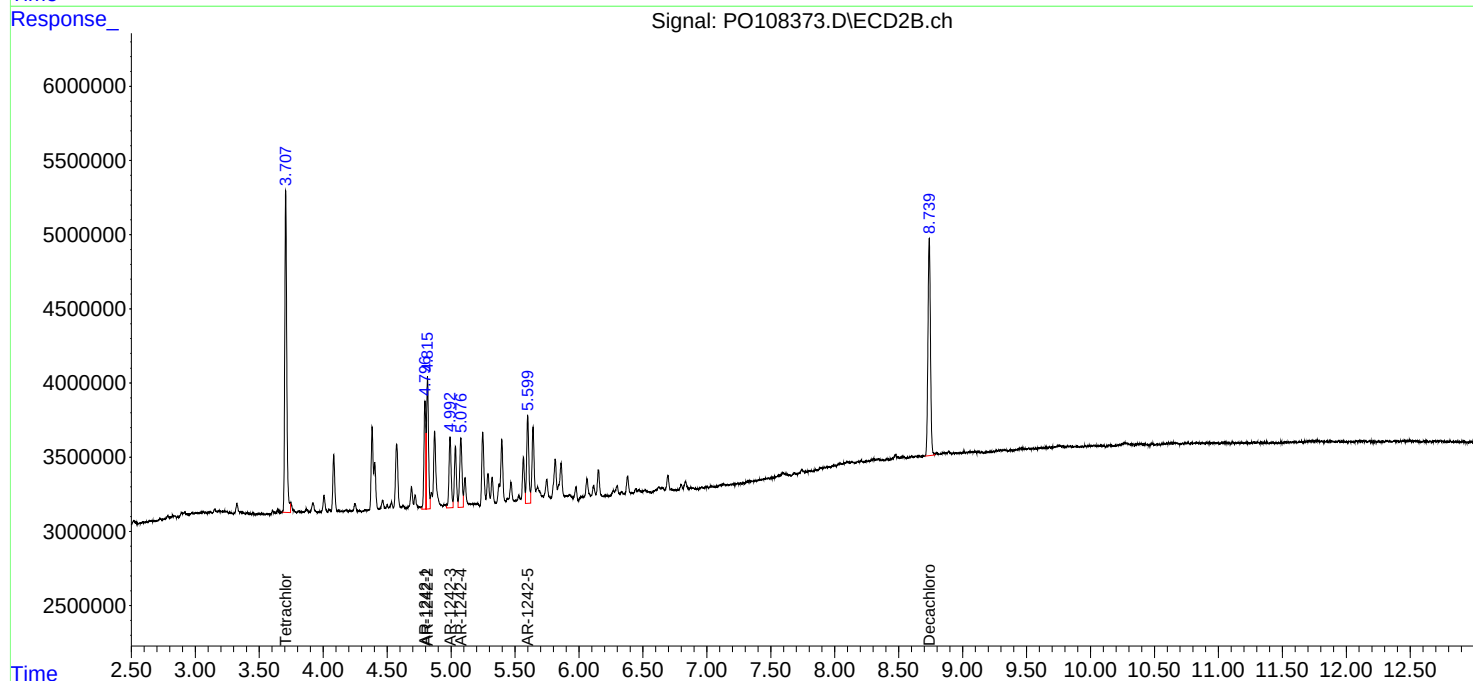
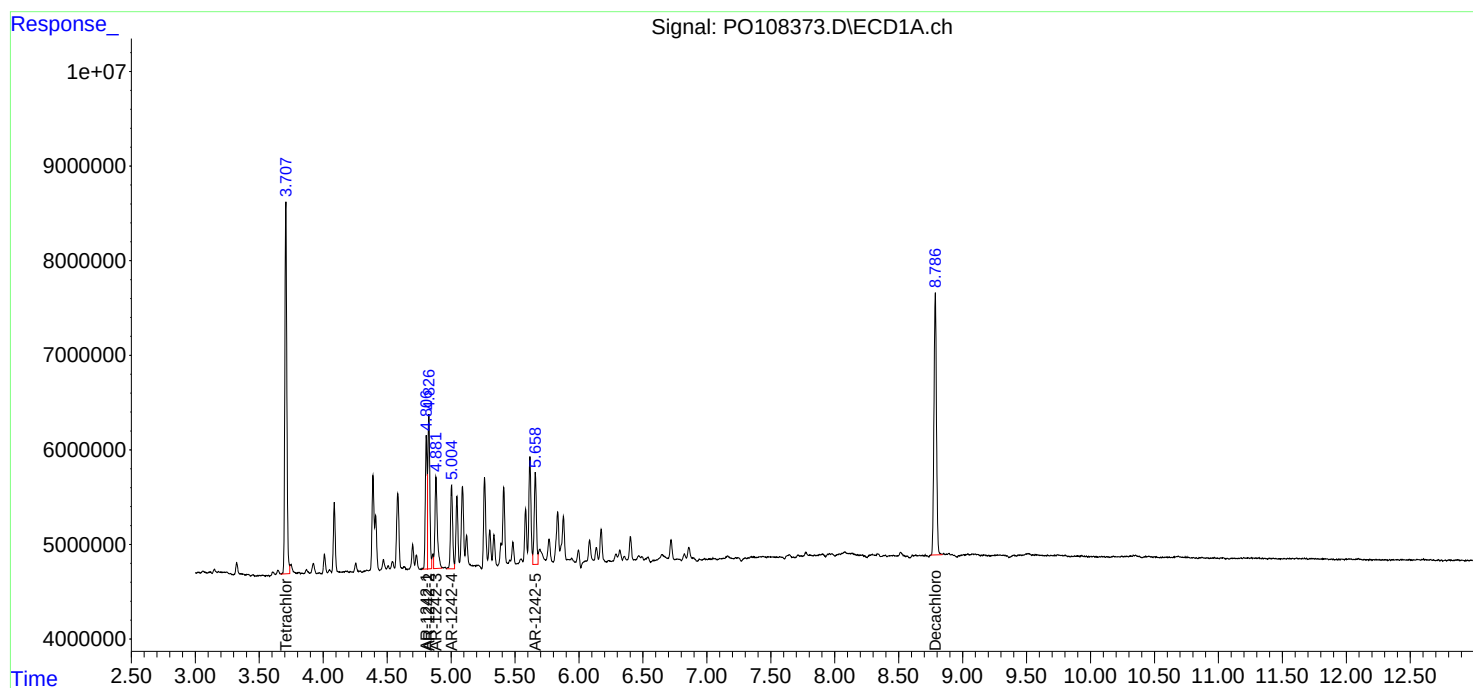
APPROVED

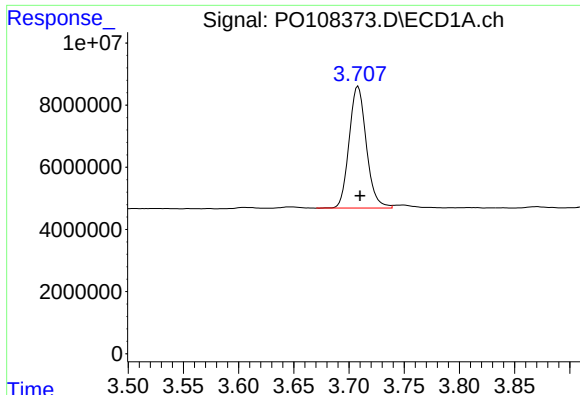
Reviewed By :Yogesh Patel 12/09/2024

Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:30:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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





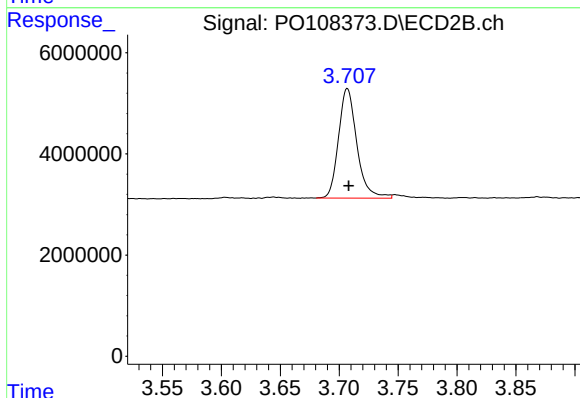
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: -0.002 min
Response: 42500192
Conc: 4.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

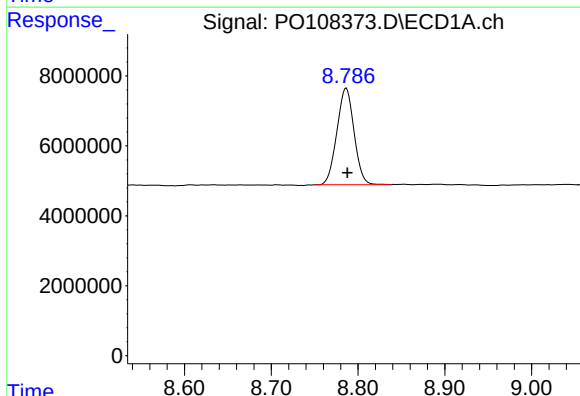
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



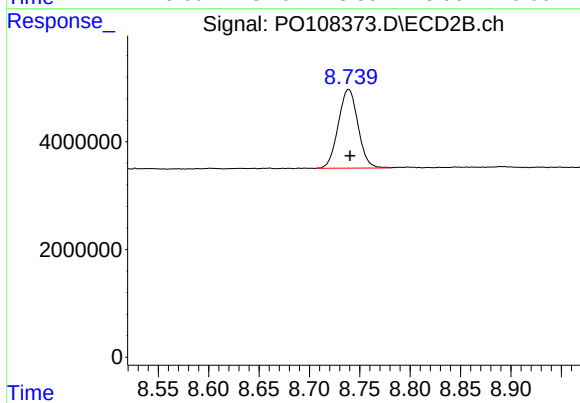
#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: -0.001 min
Response: 23470301
Conc: 4.64 ng/ml



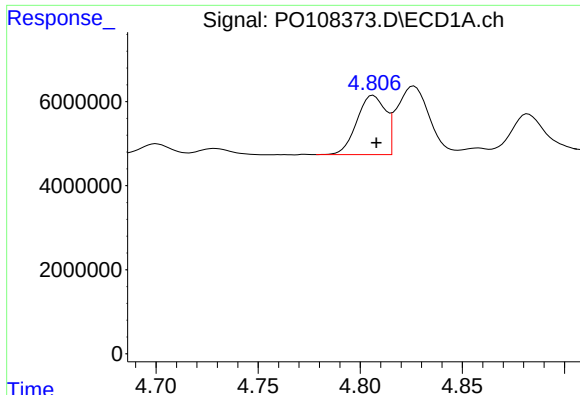
#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: -0.001 min
Response: 38080770
Conc: 5.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.739 min
Delta R.T.: -0.001 min
Response: 19909368
Conc: 5.06 ng/ml



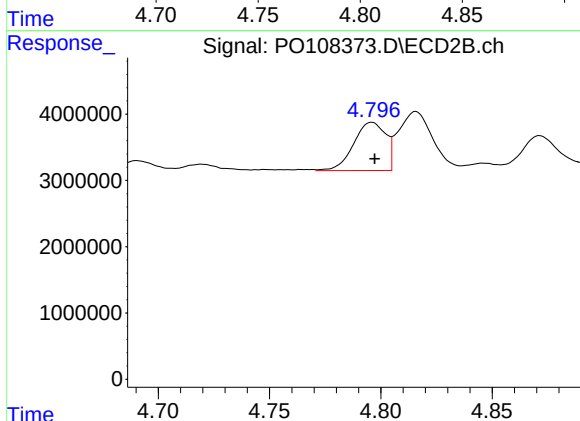
#16 AR-1242-1

R.T.: 4.806 min
Delta R.T.: -0.001 min
Response: 13771137
Conc: 54.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

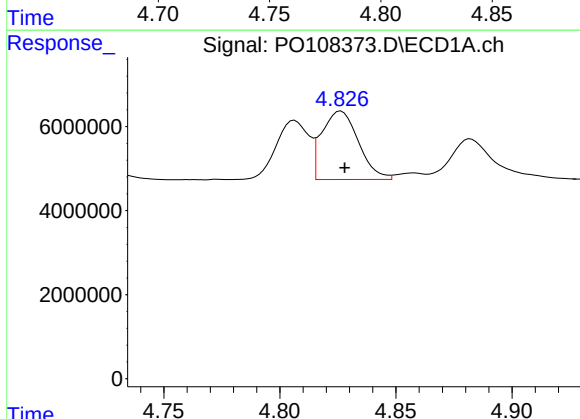
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



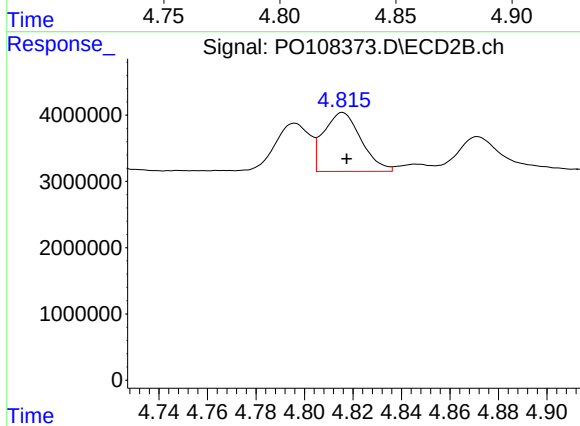
#16 AR-1242-1

R.T.: 4.796 min
Delta R.T.: -0.001 min
Response: 7309320
Conc: 55.10 ng/ml



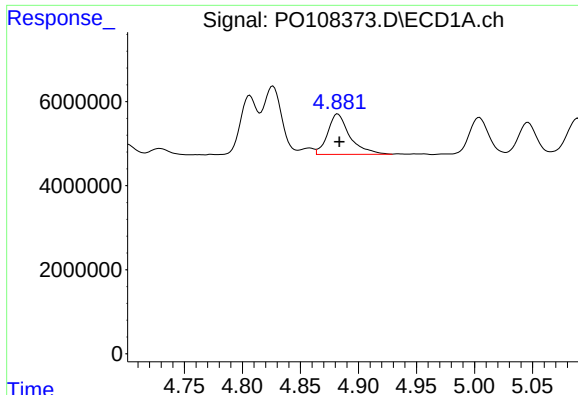
#17 AR-1242-2

R.T.: 4.826 min
Delta R.T.: -0.002 min
Response: 17939884
Conc: 52.82 ng/ml



#17 AR-1242-2

R.T.: 4.816 min
Delta R.T.: -0.002 min
Response: 9549021
Conc: 52.11 ng/ml



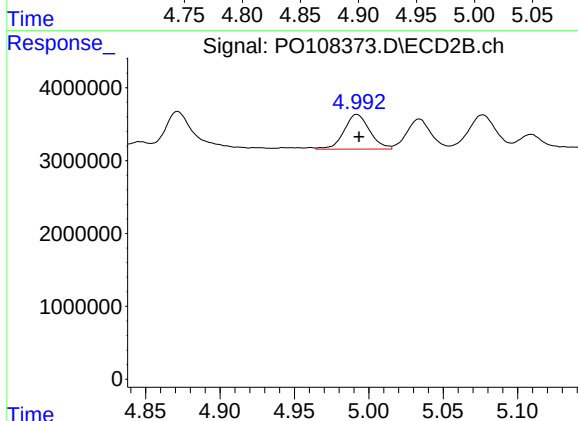
#18 AR-1242-3

R.T.: 4.882 min
Delta R.T.: -0.001 min
Response: 12765923
Conc: 53.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

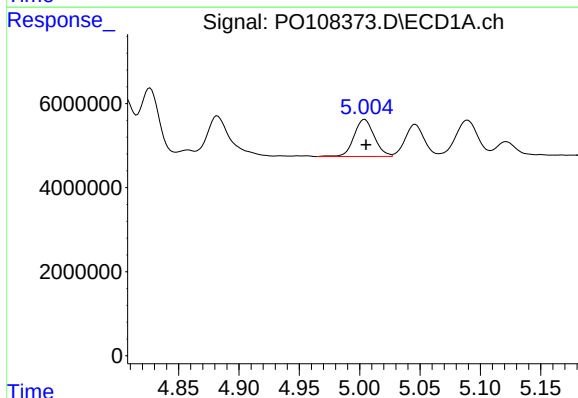
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



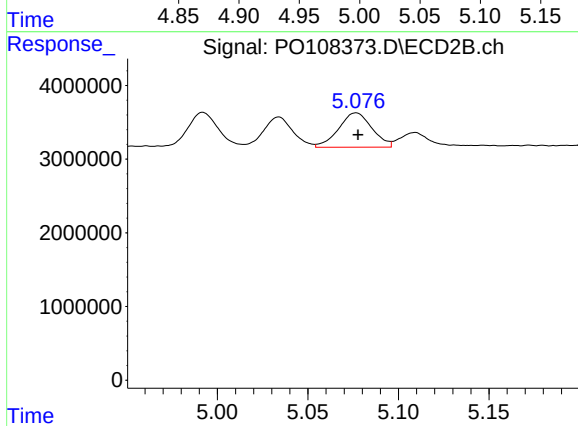
#18 AR-1242-3

R.T.: 4.992 min
Delta R.T.: -0.001 min
Response: 5700607
Conc: 55.37 ng/ml



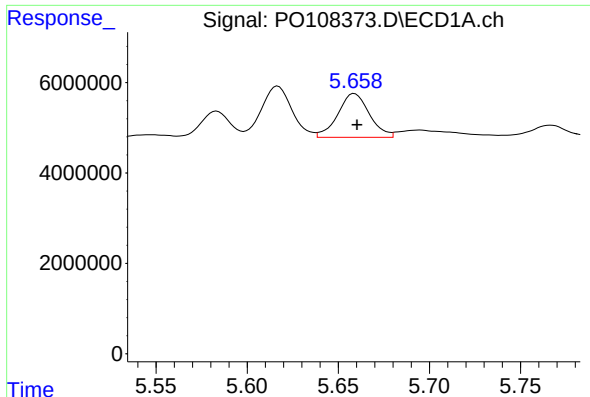
#19 AR-1242-4

R.T.: 5.004 min
Delta R.T.: -0.001 min
Response: 10336411
Conc: 55.29 ng/ml



#19 AR-1242-4

R.T.: 5.077 min
Delta R.T.: -0.001 min
Response: 5979654
Conc: 57.27 ng/ml



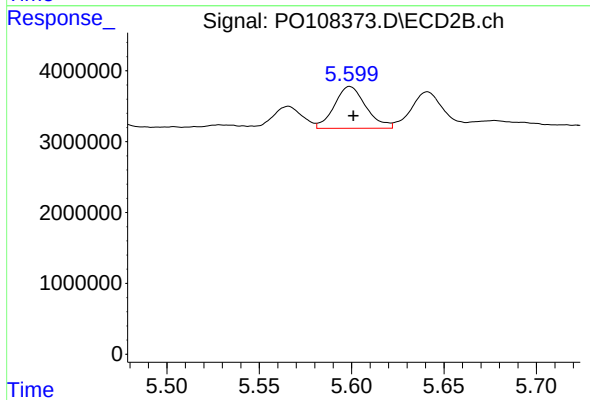
#20 AR-1242-5

R.T.: 5.658 min
Delta R.T.: -0.002 min
Response: 11699197
Conc: 59.24 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



#20 AR-1242-5

R.T.: 5.599 min
Delta R.T.: -0.002 min
Response: 7040034
Conc: 57.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:59
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: Dec 07 03:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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...	3.709	3.708	874.2E6	496.6E6	93.578	94.826
2) SA Decachlor...	8.786	8.739	704.2E6	381.2E6	91.719	91.964
Target Compounds						
21) L5 AR-1248-1	4.807	4.797	180.4E6	96151235	902.658	905.308
22) L5 AR-1248-2	5.047	5.035	246.3E6	134.5E6	889.469	895.026
23) L5 AR-1248-3	5.263	5.077	307.8E6	143.3E6	899.086	897.430
24) L5 AR-1248-4	5.618	5.249	437.7E6	168.4E6	912.944	911.152
25) L5 AR-1248-5	5.660	5.643	308.8E6	162.2E6	910.430	920.672

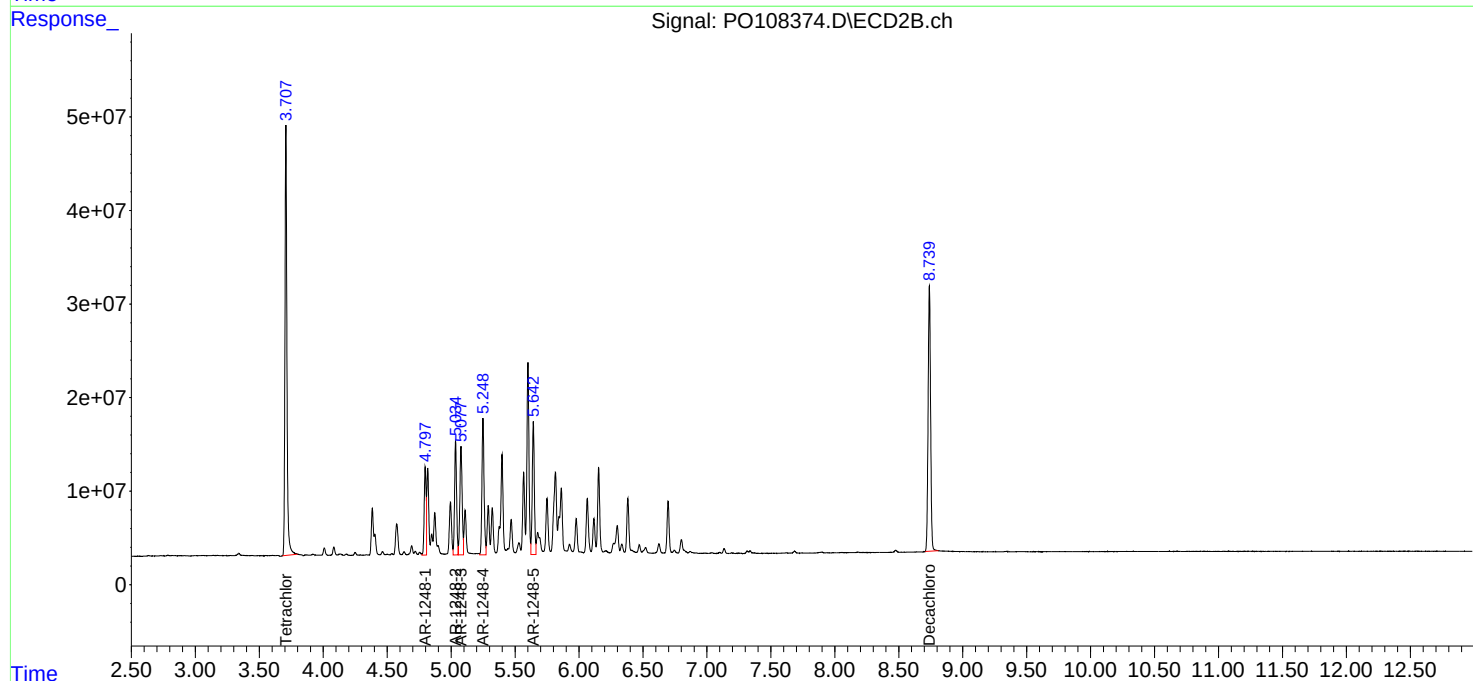
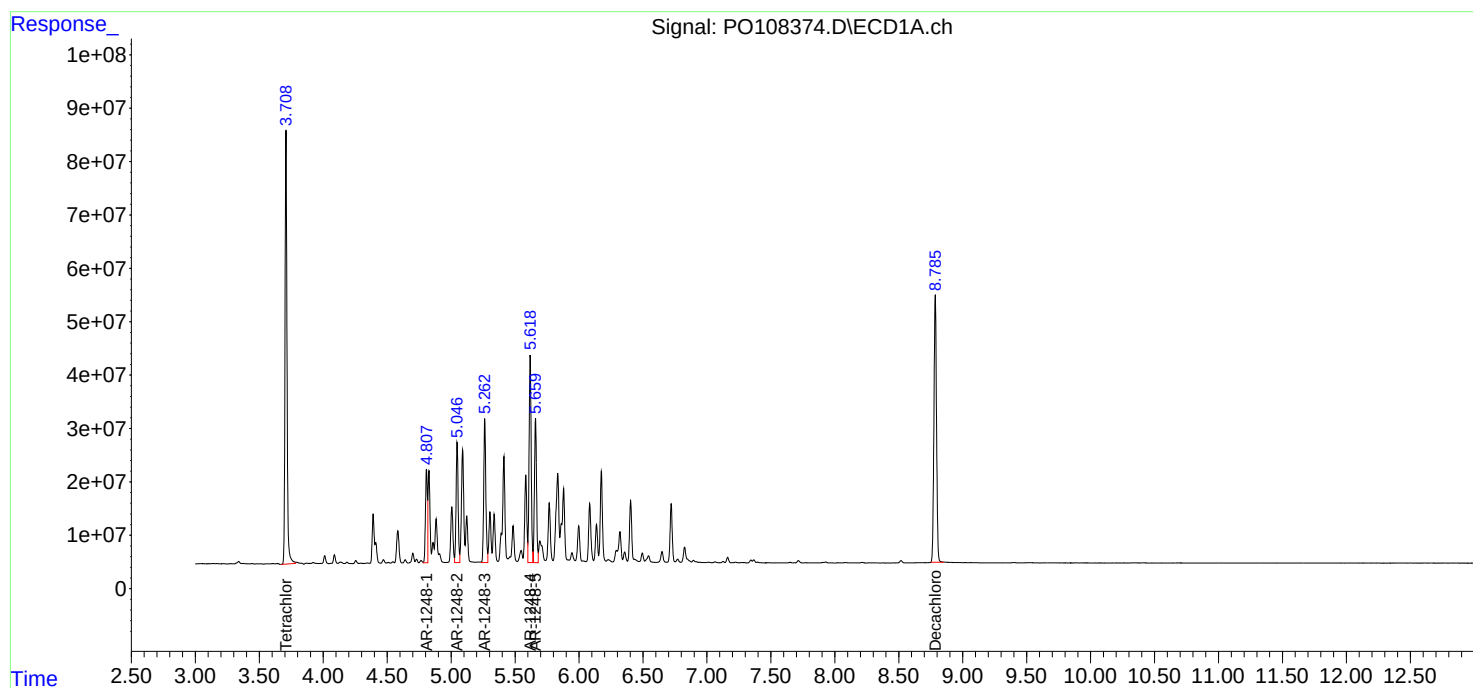
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

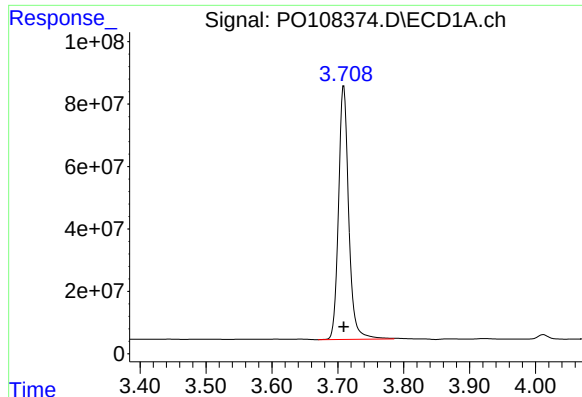
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:59
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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

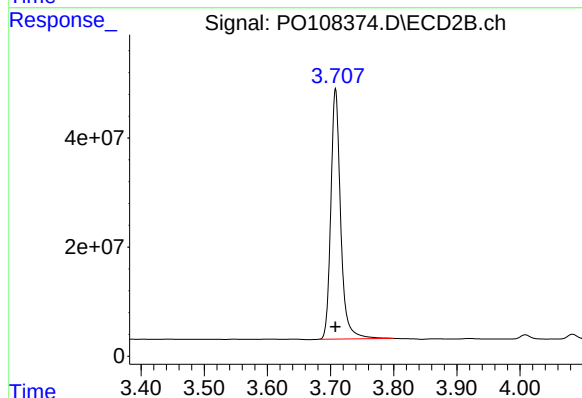




#1 Tetrachloro-m-xylene

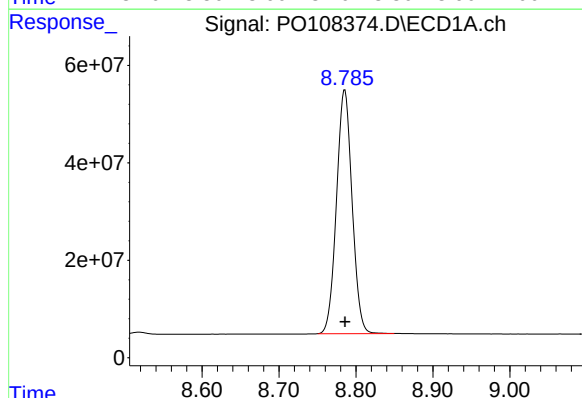
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 874248309
Conc: 93.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



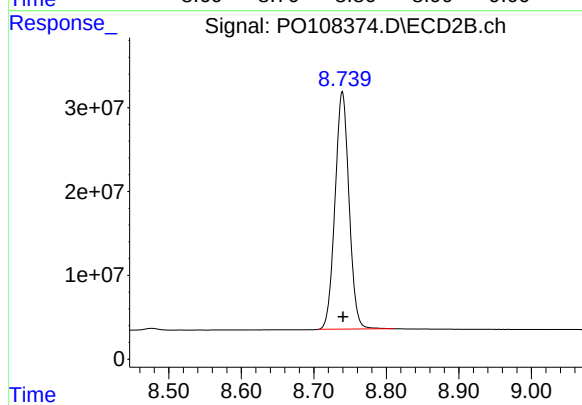
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 496564615
Conc: 94.83 ng/ml



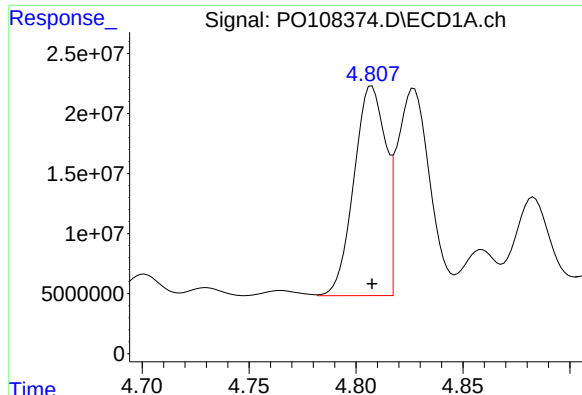
#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 704197105
Conc: 91.72 ng/ml



#2 Decachlorobiphenyl

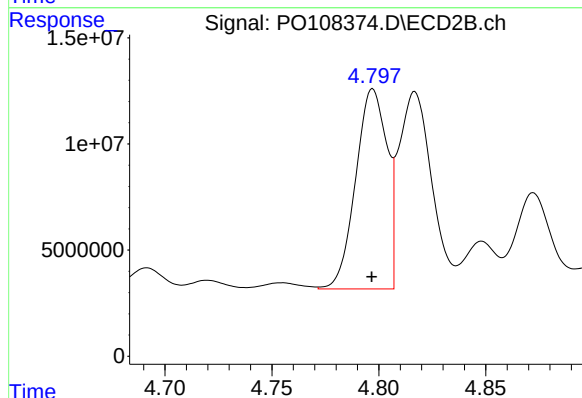
R.T.: 8.739 min
Delta R.T.: -0.001 min
Response: 381224993
Conc: 91.96 ng/ml



#21 AR-1248-1

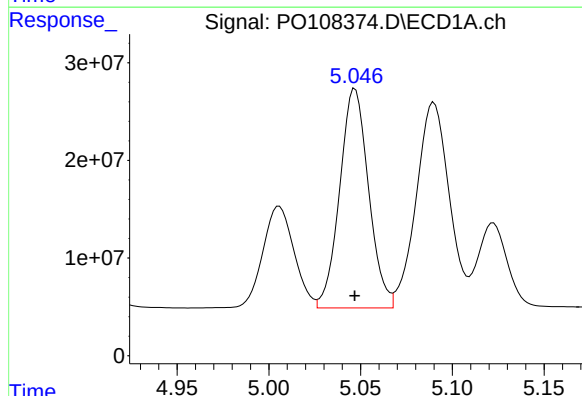
R.T.: 4.807 min
Delta R.T.: 0.000 min
Response: 180443308
Conc: 902.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



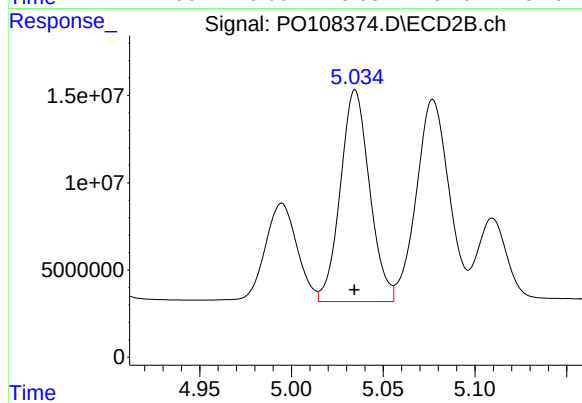
#21 AR-1248-1

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 96151235
Conc: 905.31 ng/ml



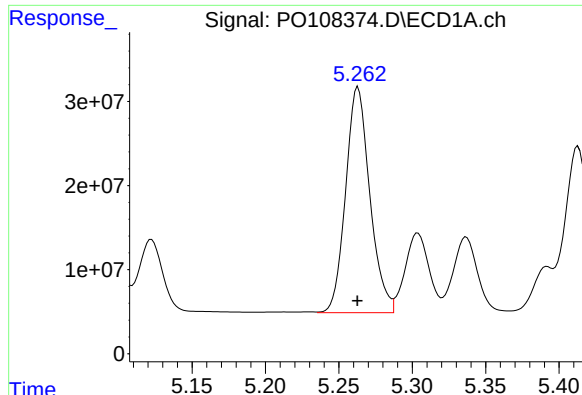
#22 AR-1248-2

R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 246301061
Conc: 889.47 ng/ml



#22 AR-1248-2

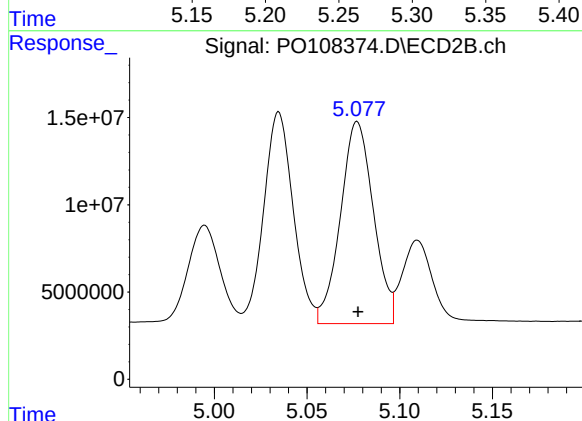
R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 134456241
Conc: 895.03 ng/ml



#23 AR-1248-3

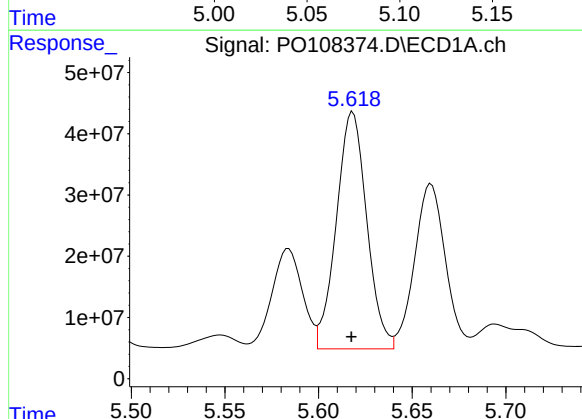
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 307776547
Conc: 899.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



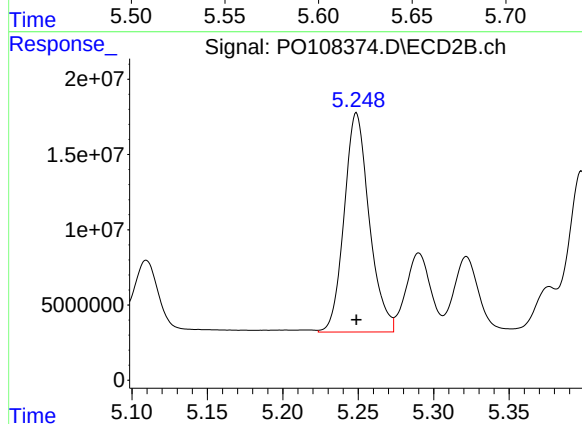
#23 AR-1248-3

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 143332101
Conc: 897.43 ng/ml



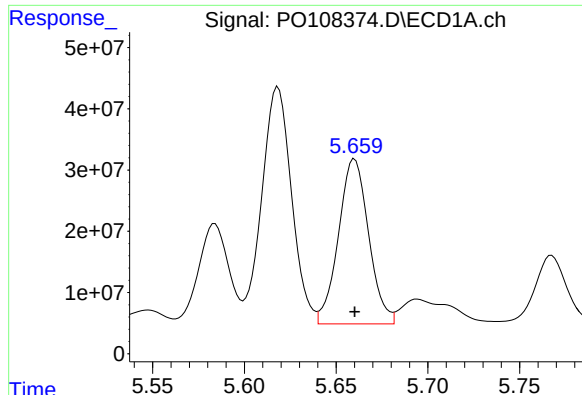
#24 AR-1248-4

R.T.: 5.618 min
Delta R.T.: 0.000 min
Response: 437732929
Conc: 912.94 ng/ml



#24 AR-1248-4

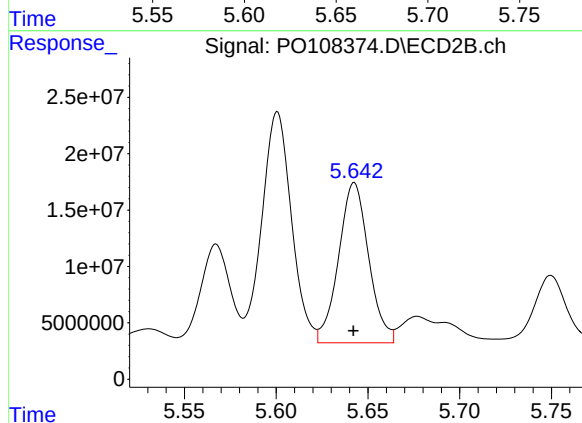
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 168393487
Conc: 911.15 ng/ml



#25 AR-1248-5

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 308766537
Conc: 910.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.643 min
Delta R.T.: 0.000 min
Response: 162171392
Conc: 920.67 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:18
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: Dec 07 03:54:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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...	3.709	3.708	683.8E6	385.8E6	73.188	73.674
2) SA Decachlor...	8.787	8.739	550.5E6	298.0E6	71.701	71.892
Target Compounds						
21) L5 AR-1248-1	4.807	4.797	143.2E6	75879957	716.165	714.444
22) L5 AR-1248-2	5.047	5.035	196.8E6	106.9E6	710.590	711.516
23) L5 AR-1248-3	5.263	5.077	244.9E6	113.3E6	715.291	709.469
24) L5 AR-1248-4	5.617	5.249	343.4E6	133.0E6	716.151	719.504
25) L5 AR-1248-5	5.660	5.643	242.5E6	126.2E6	714.899	716.296

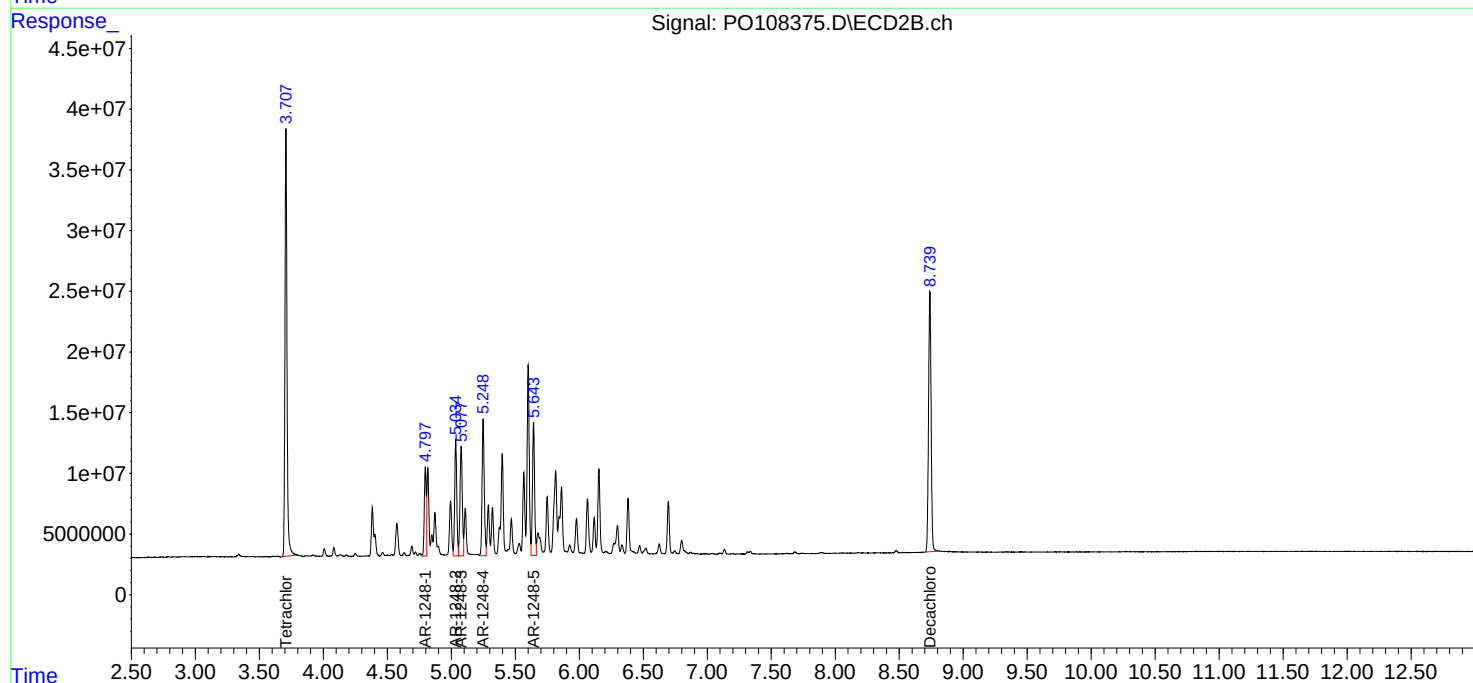
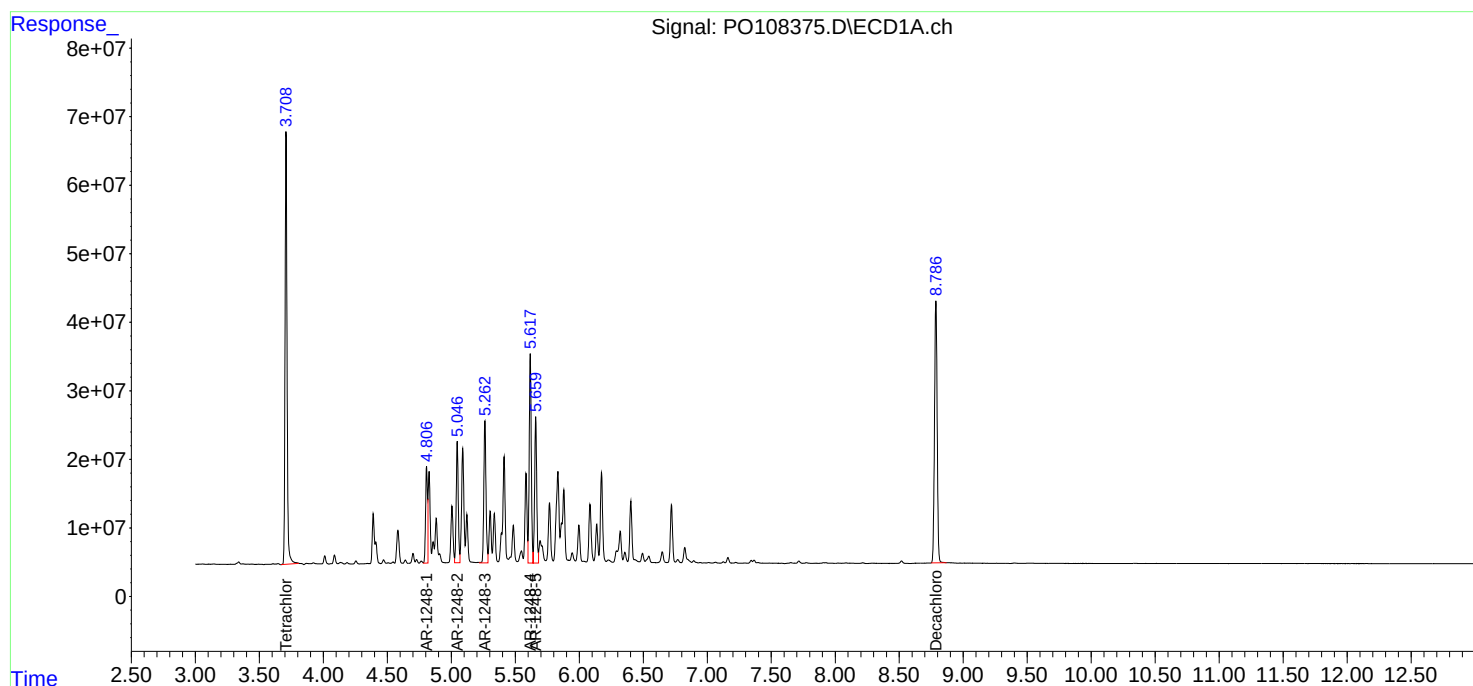
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

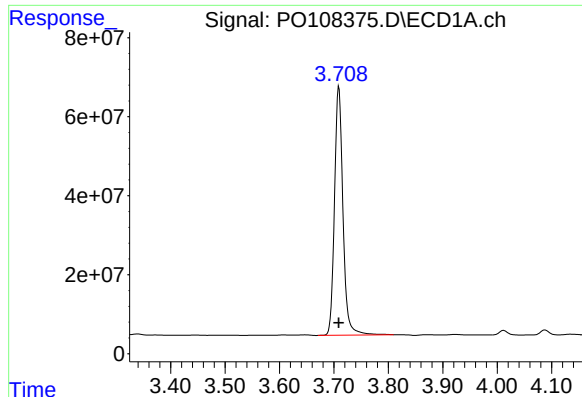
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:18
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:54:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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

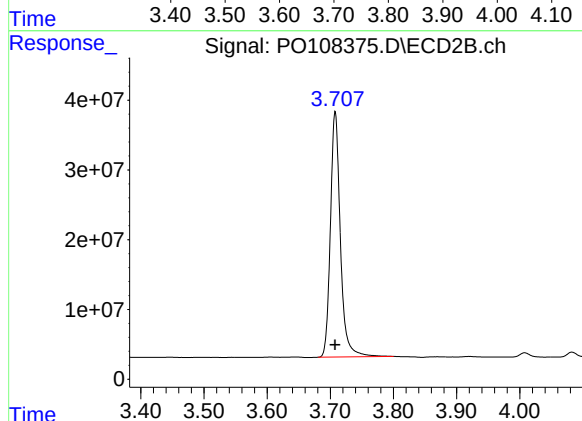




#1 Tetrachloro-m-xylene

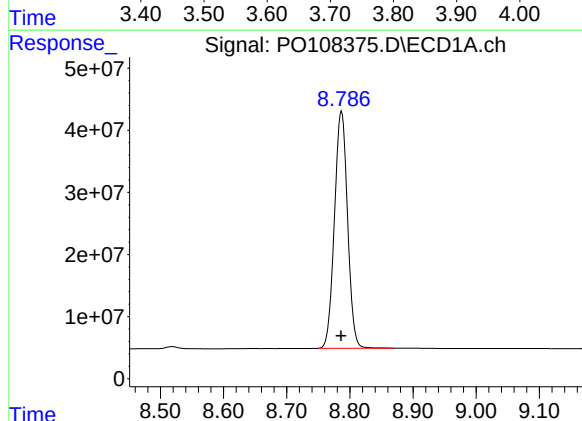
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 683755859
Conc: 73.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



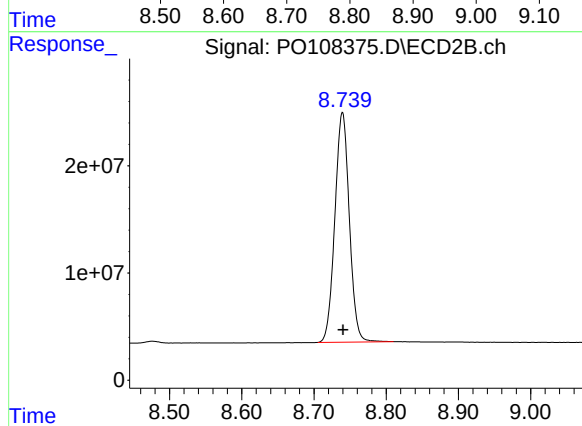
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 385799058
Conc: 73.67 ng/ml



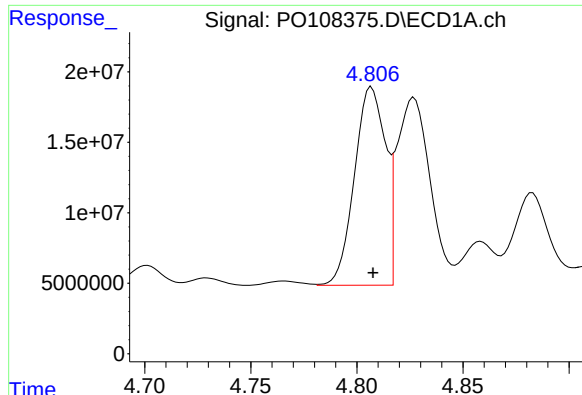
#2 Decachlorobiphenyl

R.T.: 8.787 min
Delta R.T.: 0.000 min
Response: 550500140
Conc: 71.70 ng/ml



#2 Decachlorobiphenyl

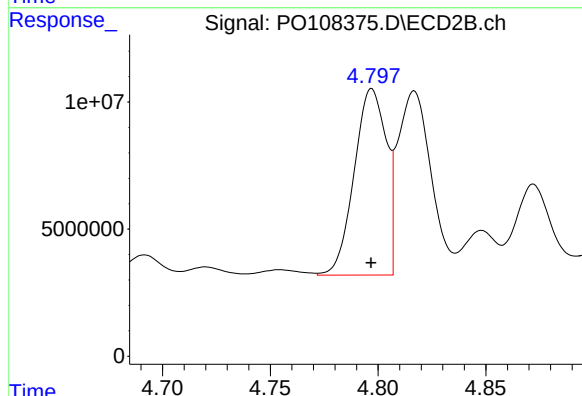
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 298021090
Conc: 71.89 ng/ml



#21 AR-1248-1

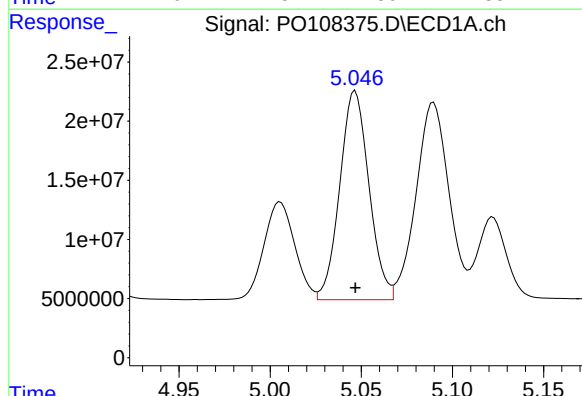
R.T.: 4.807 min
Delta R.T.: 0.000 min
Response: 143162907
Conc: 716.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



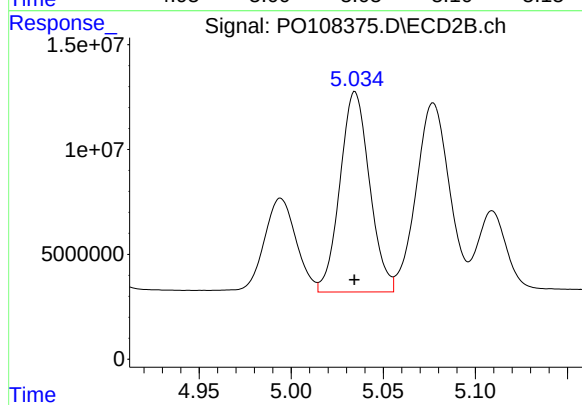
#21 AR-1248-1

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 75879957
Conc: 714.44 ng/ml



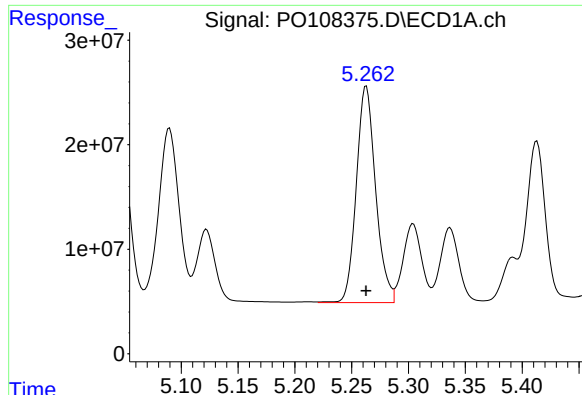
#22 AR-1248-2

R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 196768011
Conc: 710.59 ng/ml



#22 AR-1248-2

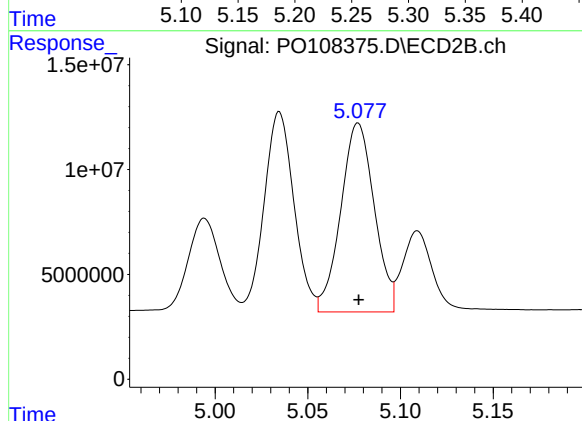
R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 106888220
Conc: 711.52 ng/ml



#23 AR-1248-3

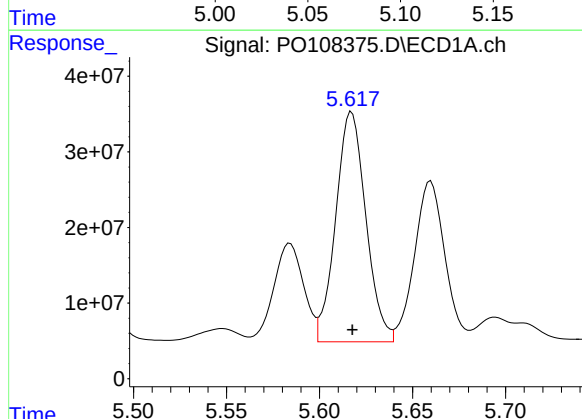
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 244859698
Conc: 715.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



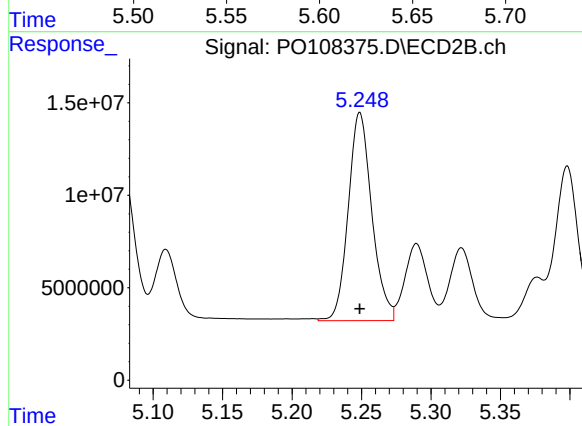
#23 AR-1248-3

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 113312210
Conc: 709.47 ng/ml



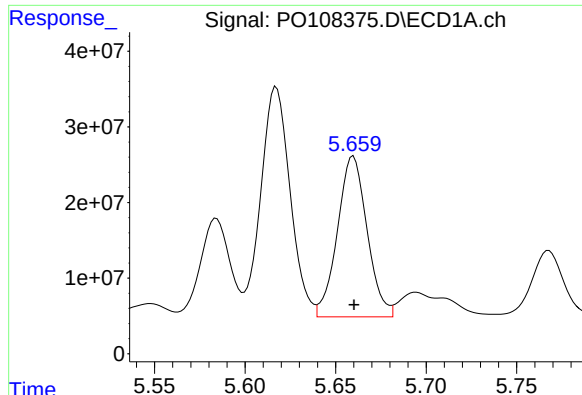
#24 AR-1248-4

R.T.: 5.617 min
Delta R.T.: 0.000 min
Response: 343376008
Conc: 716.15 ng/ml



#24 AR-1248-4

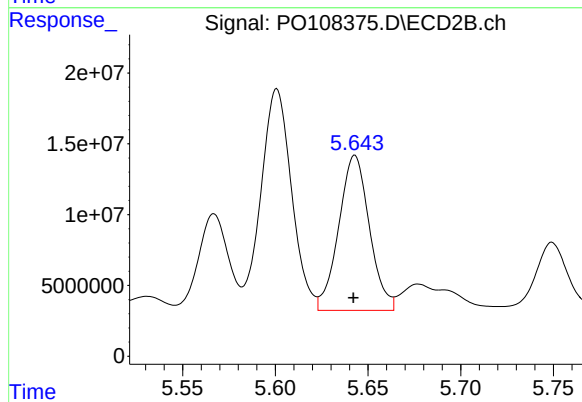
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 132974402
Conc: 719.50 ng/ml



#25 AR-1248-5

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 242453655
Conc: 714.90 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



#25 AR-1248-5

R.T.: 5.643 min
Delta R.T.: 0.000 min
Response: 126171600
Conc: 716.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:36
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: Dec 07 03:54:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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...	3.709	3.708	467.1E6	261.8E6	50.000	50.000
2) SA Decachlor...	8.786	8.740	383.9E6	207.3E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	4.808	4.797	99951066	53104178	500.000	500.000
22) L5 AR-1248-2	5.047	5.034	138.5E6	75113048	500.000	500.000
23) L5 AR-1248-3	5.263	5.077	171.2E6	79857015	500.000	500.000
24) L5 AR-1248-4	5.618	5.249	239.7E6	92406937	500.000	500.000
25) L5 AR-1248-5	5.660	5.642	169.6E6	88072281	500.000	500.000

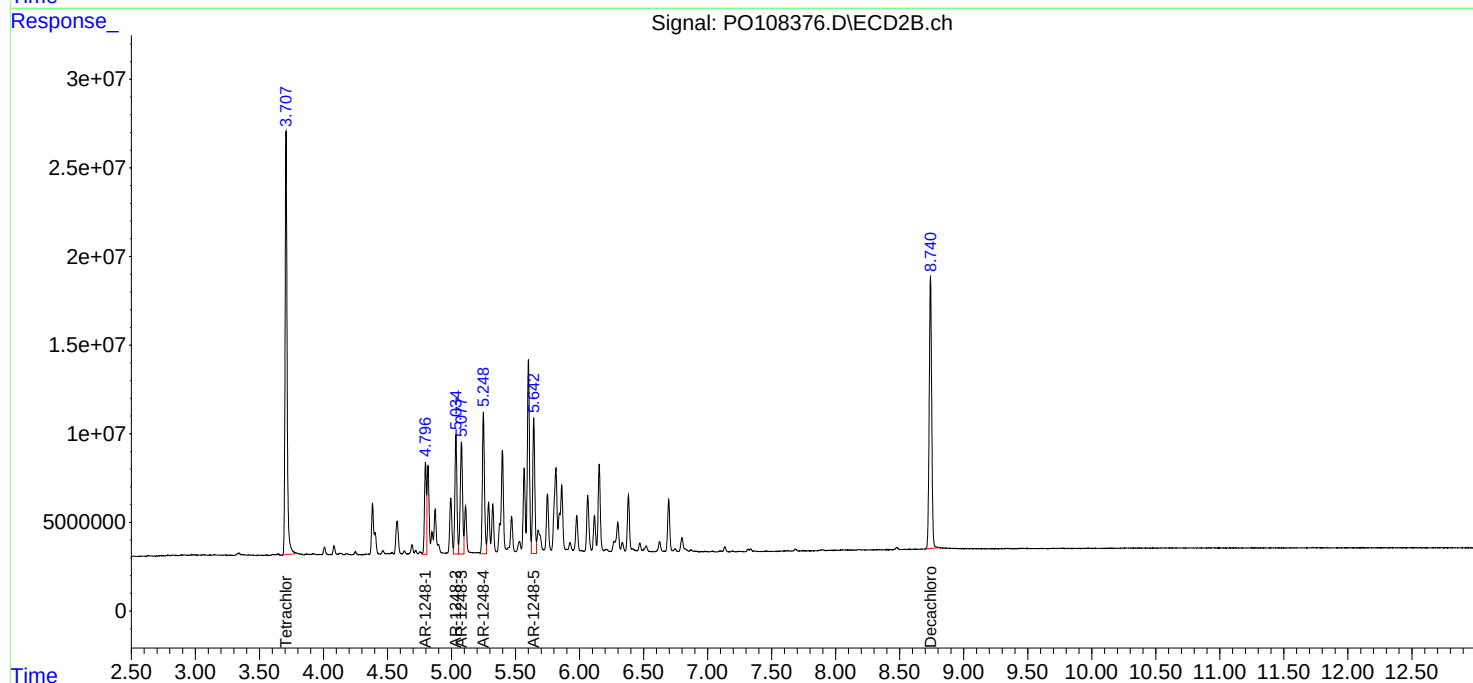
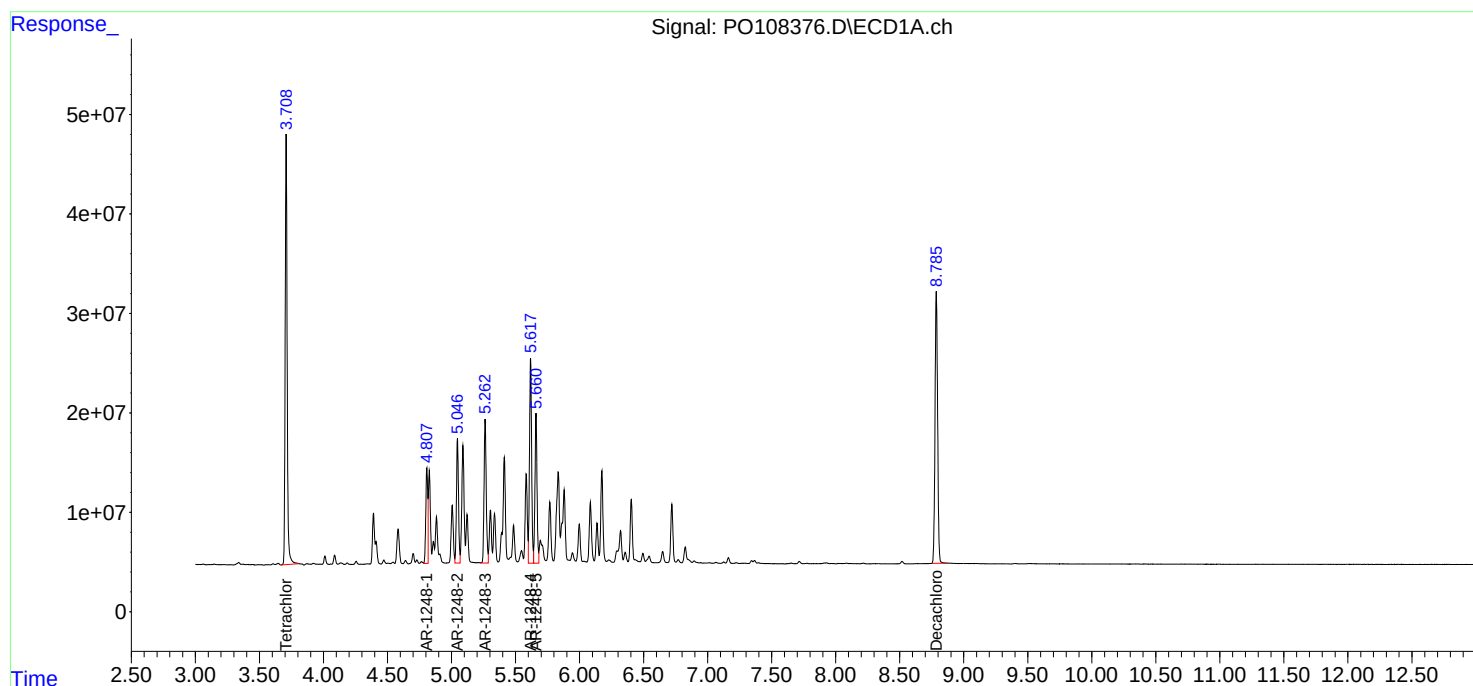
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:36
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: Dec 07 03:54:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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: PO108376.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 467121978
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500

Time

Response_ Signal: PO108376.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 261828717
Conc: 50.00 ng/ml

Time

Response_ Signal: PO108376.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 383888633
Conc: 50.00 ng/ml

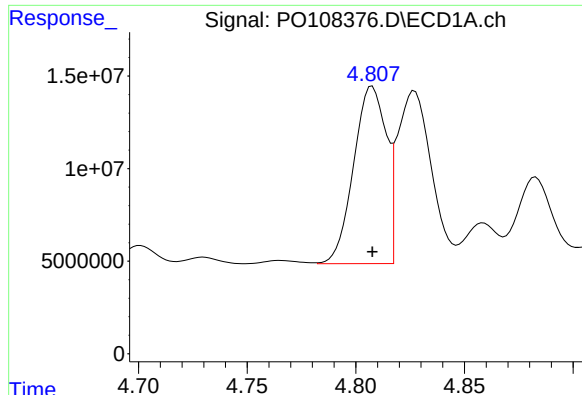
Time

Response_ Signal: PO108376.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 207269034
Conc: 50.00 ng/ml

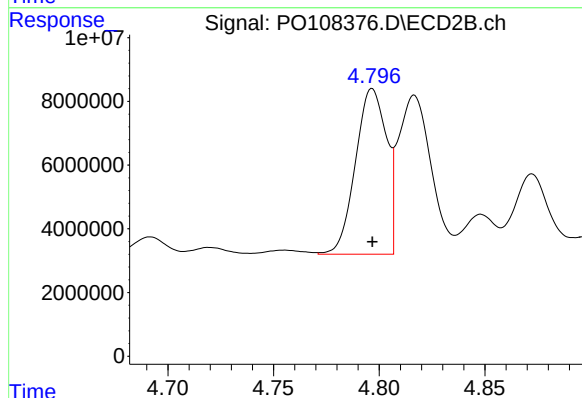
Time



#21 AR-1248-1

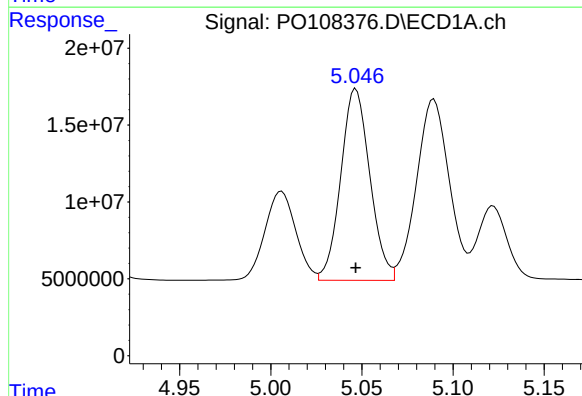
R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 99951066
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



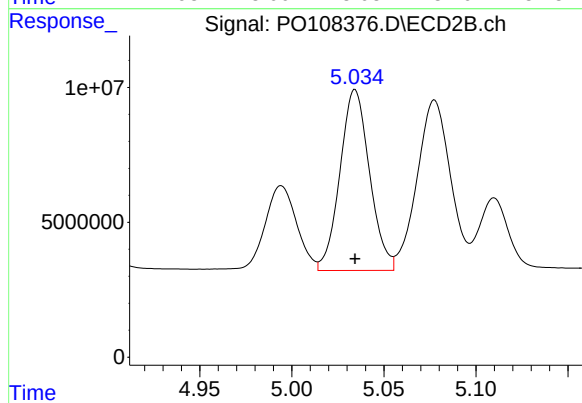
#21 AR-1248-1

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 53104178
Conc: 500.00 ng/ml



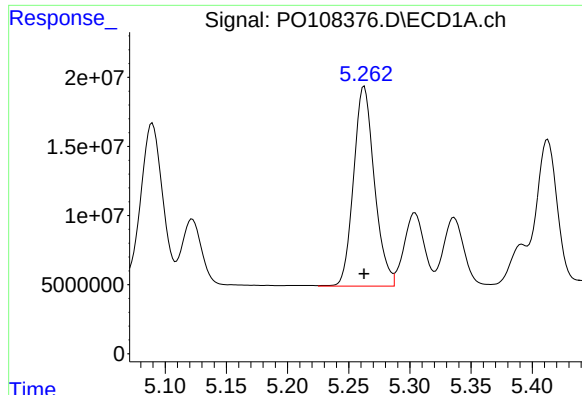
#22 AR-1248-2

R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 138453917
Conc: 500.00 ng/ml



#22 AR-1248-2

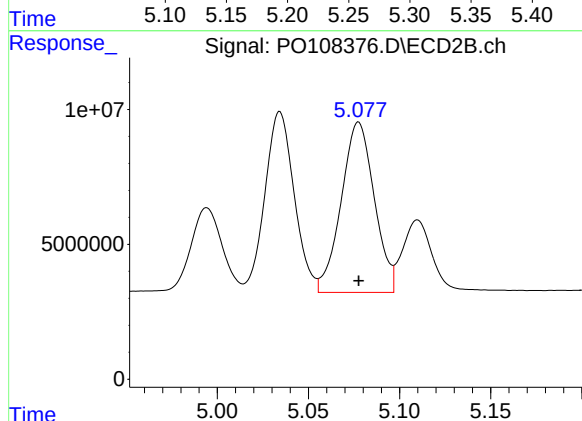
R.T.: 5.034 min
Delta R.T.: 0.000 min
Response: 75113048
Conc: 500.00 ng/ml



#23 AR-1248-3

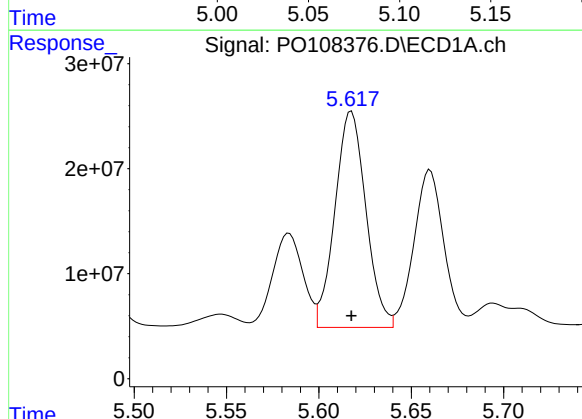
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 171160853
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



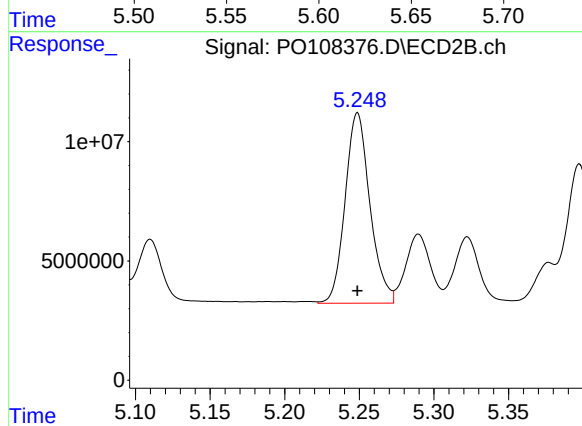
#23 AR-1248-3

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 79857015
Conc: 500.00 ng/ml



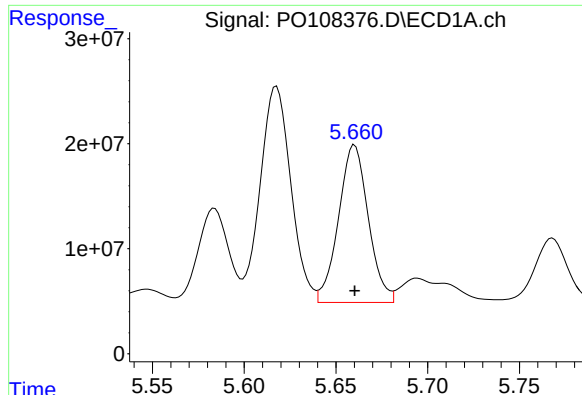
#24 AR-1248-4

R.T.: 5.618 min
Delta R.T.: 0.000 min
Response: 239737122
Conc: 500.00 ng/ml



#24 AR-1248-4

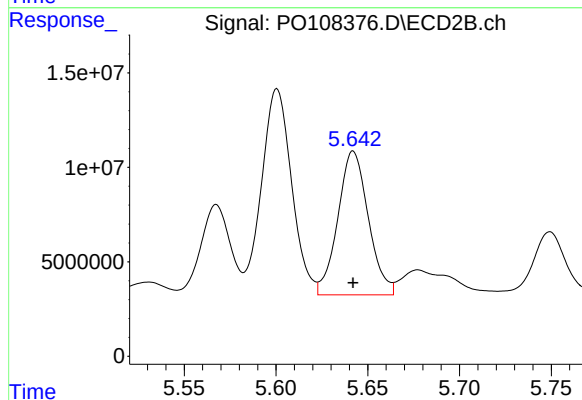
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 92406937
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.660 min
Delta R.T.: 0.000 min
Response: 169571851
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



#25 AR-1248-5

R.T.: 5.642 min
Delta R.T.: 0.000 min
Response: 88072281
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108377.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:54
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: Dec 07 03:54:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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...	3.708	3.707	236.2E6	131.4E6	25.280	25.092
2) SA Decachlor...	8.785	8.738	208.4E6	111.1E6	27.138	26.808
Target Compounds						
21) L5 AR-1248-1	4.806	4.796	53325996	27878130	266.761	262.485
22) L5 AR-1248-2	5.046	5.034	74645599	39915010	269.568	265.700
23) L5 AR-1248-3	5.261	5.076	90583311	42267651	264.615	264.646
24) L5 AR-1248-4	5.616	5.247	125.7E6	48425304	262.162	262.022
25) L5 AR-1248-5	5.659	5.641	89499607	45702270	263.899	259.459

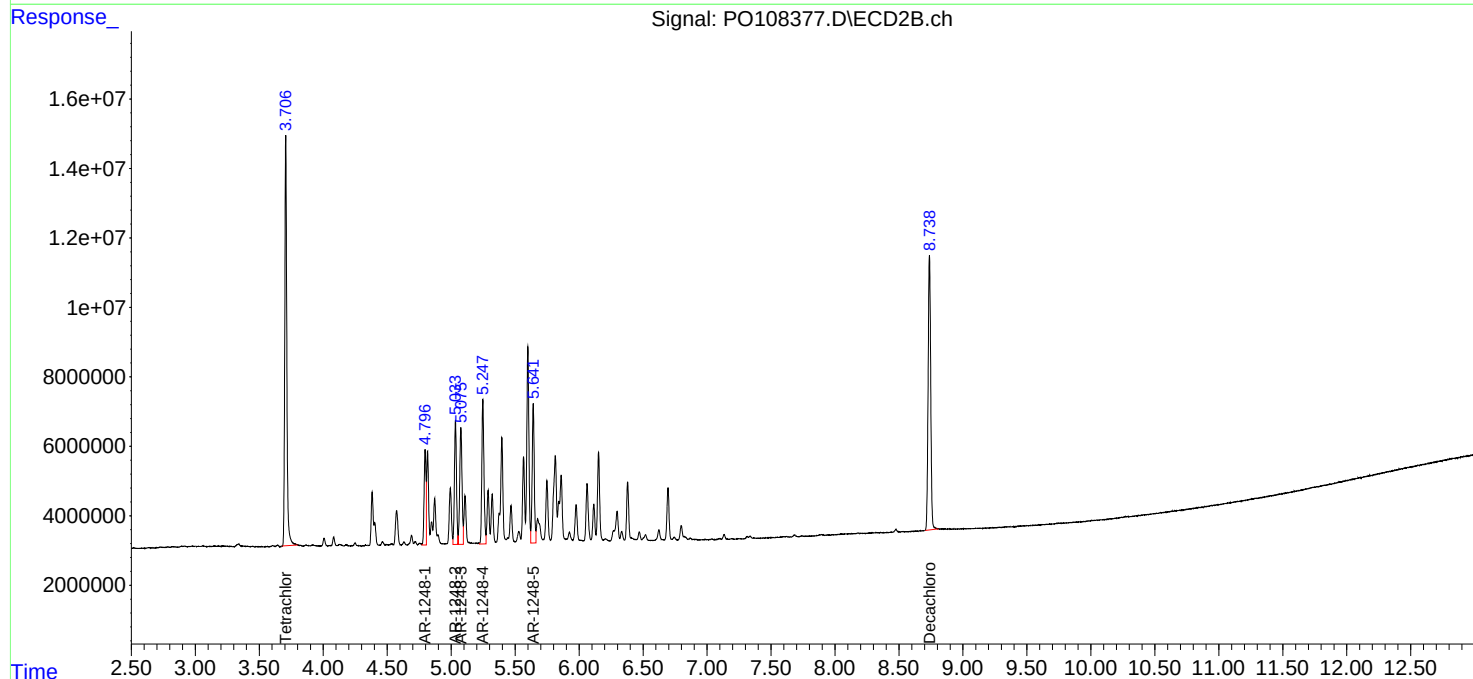
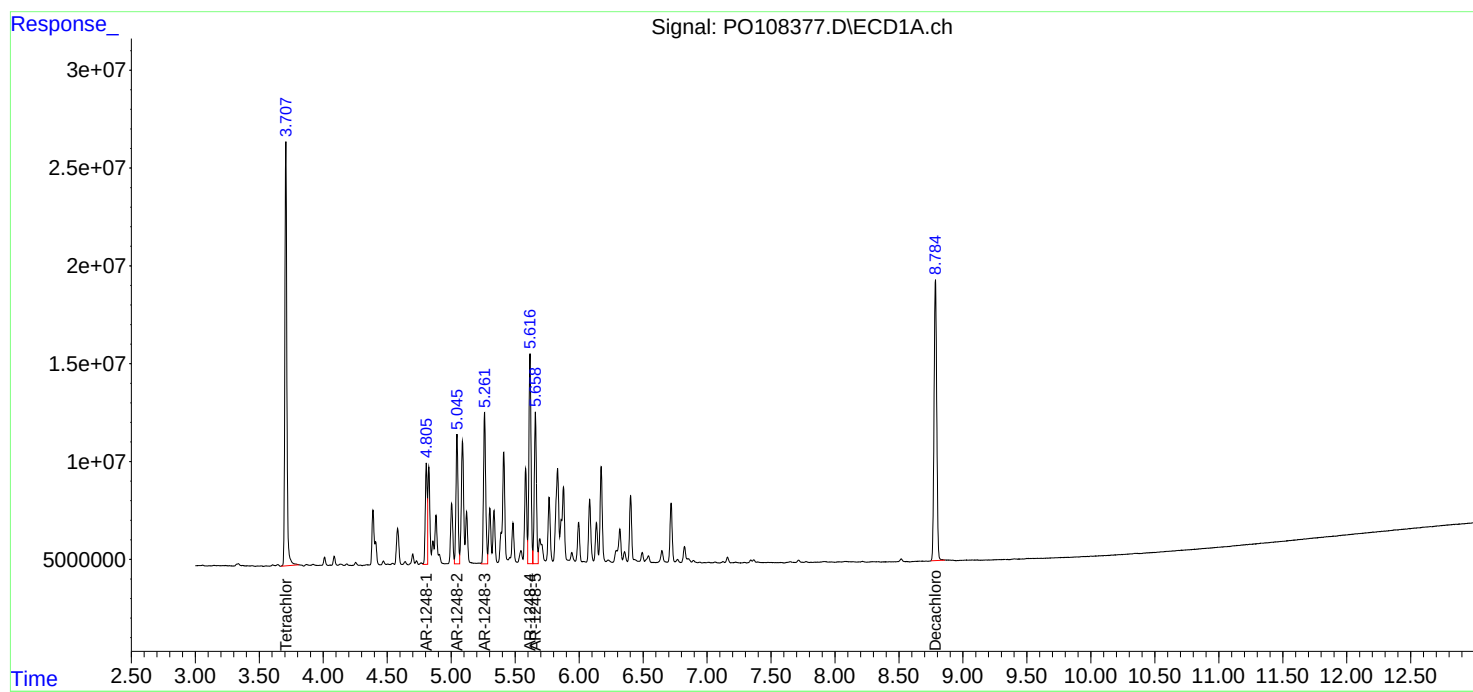
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

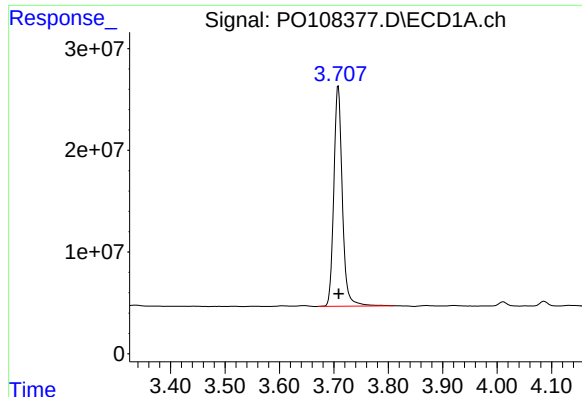
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108377.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:54
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:54:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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

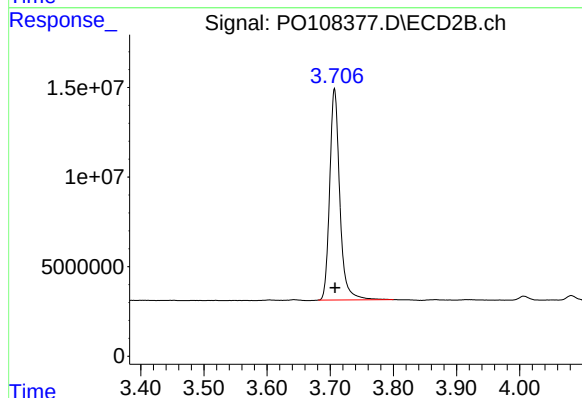




#1 Tetrachloro-m-xylene

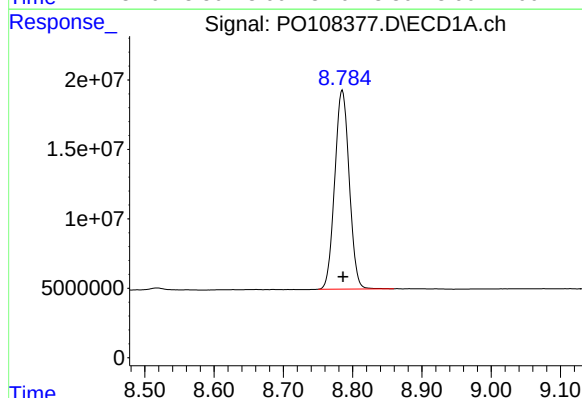
R.T.: 3.708 min
Delta R.T.: -0.001 min
Response: 236174076
Conc: 25.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



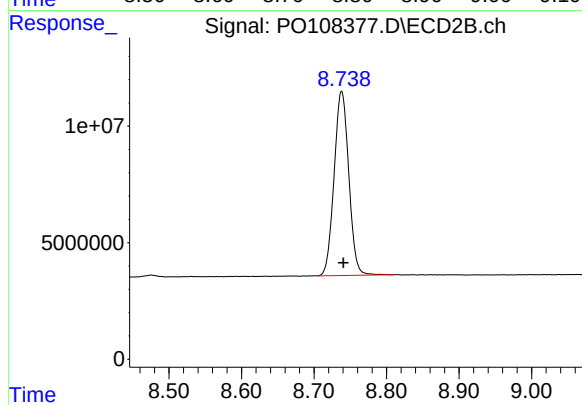
#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: 0.000 min
Response: 131396077
Conc: 25.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 208358214
Conc: 27.14 ng/ml



#2 Decachlorobiphenyl

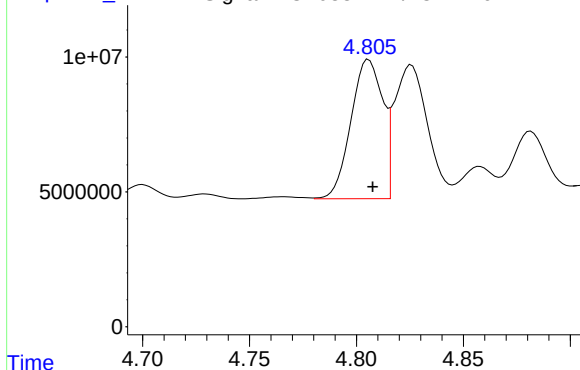
R.T.: 8.738 min
Delta R.T.: -0.002 min
Response: 111127964
Conc: 26.81 ng/ml

Response_

Signal: PO108377.D\ECD1A.ch

#21 AR-1248-1

ICAL Form



R.T.: 4.806 min
Delta R.T.: -0.002 min
Response: 53325996
Conc: 266.76 ng/ml

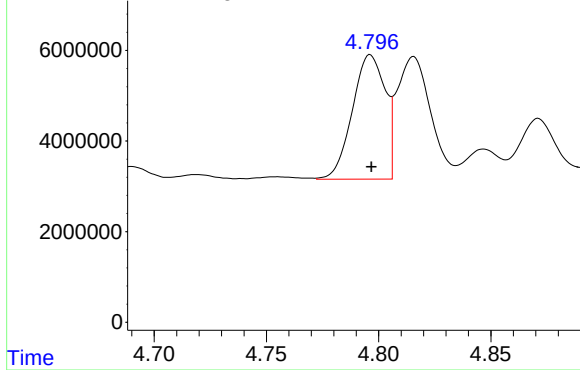
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Time

Response_

Signal: PO108377.D\ECD2B.ch

#21 AR-1248-1



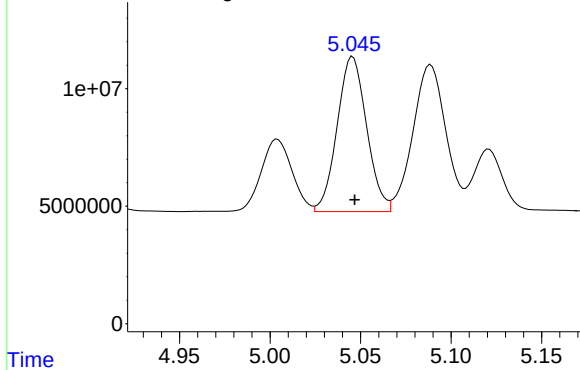
R.T.: 4.796 min
Delta R.T.: 0.000 min
Response: 27878130
Conc: 262.49 ng/ml

Time

Response_

Signal: PO108377.D\ECD1A.ch

#22 AR-1248-2



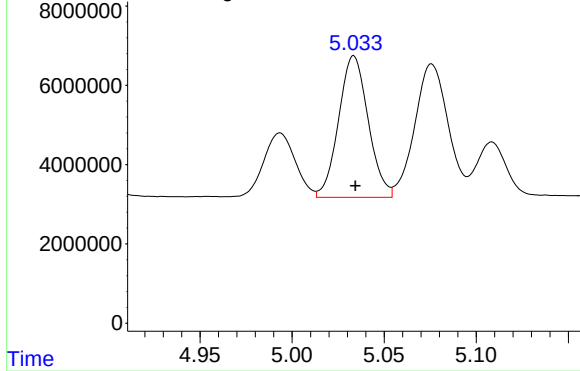
R.T.: 5.046 min
Delta R.T.: -0.001 min
Response: 74645599
Conc: 269.57 ng/ml

Time

Response_

Signal: PO108377.D\ECD2B.ch

#22 AR-1248-2



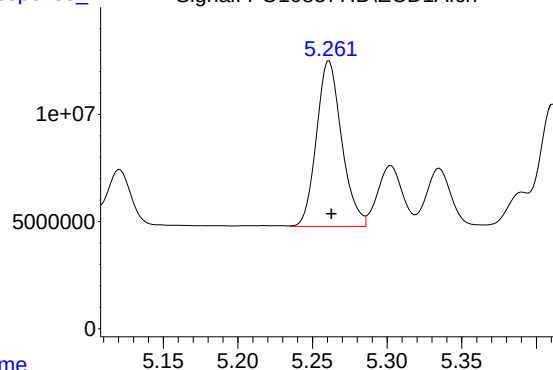
R.T.: 5.034 min
Delta R.T.: 0.000 min
Response: 39915010
Conc: 265.70 ng/ml

Time

Response_

Signal: PO108377.D\ECD1A.ch

#23 AR-1248-3



R.T.: 5.261 min
Delta R.T.: -0.001 min
Response: 90583311
Conc: 264.61 ng/ml

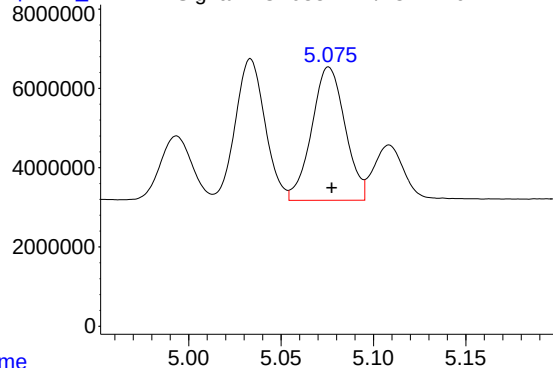
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Time

Response_

Signal: PO108377.D\ECD2B.ch

#23 AR-1248-3



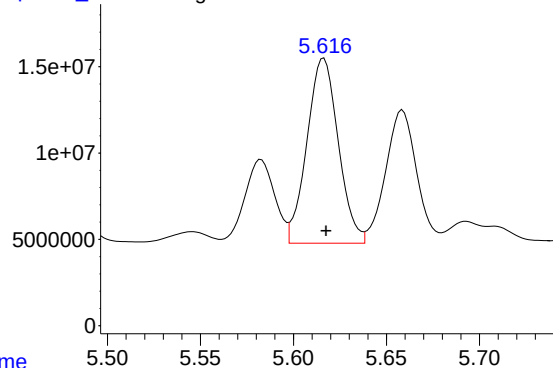
R.T.: 5.076 min
Delta R.T.: -0.002 min
Response: 42267651
Conc: 264.65 ng/ml

Time

Response_

Signal: PO108377.D\ECD1A.ch

#24 AR-1248-4



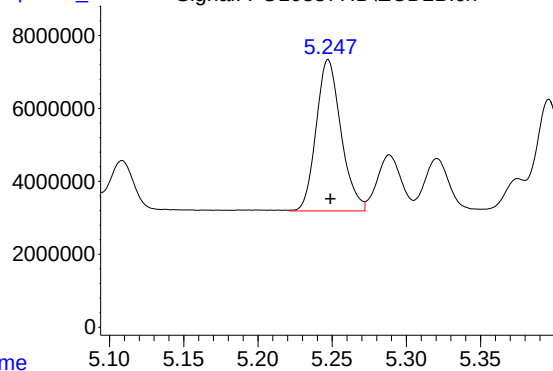
R.T.: 5.616 min
Delta R.T.: -0.001 min
Response: 125700107
Conc: 262.16 ng/ml

Time

Response_

Signal: PO108377.D\ECD2B.ch

#24 AR-1248-4



R.T.: 5.247 min
Delta R.T.: -0.001 min
Response: 48425304
Conc: 262.02 ng/ml

Time

Response_

Signal: PO108377.D\ECD1A.ch

#25 AR-1248-5

R.T.: 5.659 min

Delta R.T.: -0.002 min

Response: 89499607

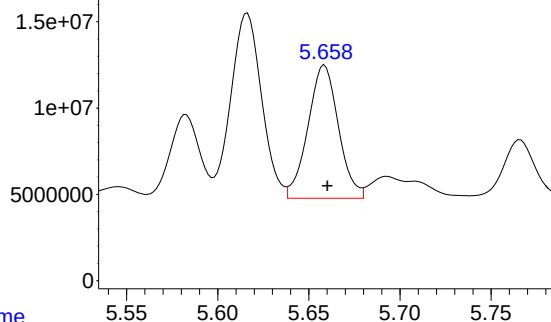
Conc: 263.90 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1248ICC250



Time

Response_

Signal: PO108377.D\ECD2B.ch

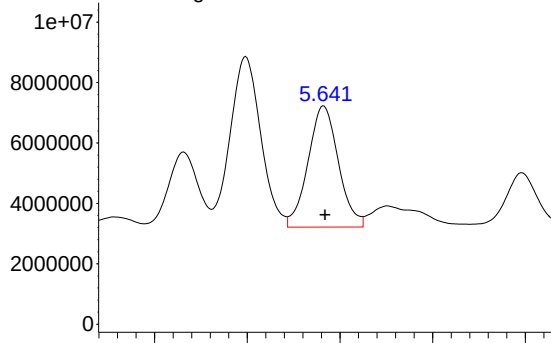
#25 AR-1248-5

R.T.: 5.641 min

Delta R.T.: 0.000 min

Response: 45702270

Conc: 259.46 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
 Data File : PO108378.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Dec 2024 19:13
 Operator : YP/AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1248ICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/09/2024
 Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 07 03:54:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Dec 07 03:53:05 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...	3.709	3.707	42888882	23166628	4.591	4.424
2) SA Decachlor...	8.785	8.739	41886336	21478364	5.456	5.181
Target Compounds						
21) L5 AR-1248-1	4.807	4.797	10841588	5527464	54.234	52.044
22) L5 AR-1248-2	5.047	5.035	15088946	7988873	54.491	53.179
23) L5 AR-1248-3	5.262	5.077	18304358	8442914	53.471m	52.863
24) L5 AR-1248-4	5.617	5.249	25239791	9427231	52.641m	51.009
25) L5 AR-1248-5	5.659	5.643	18193699	9433171	53.646m	53.554

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 19:13
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

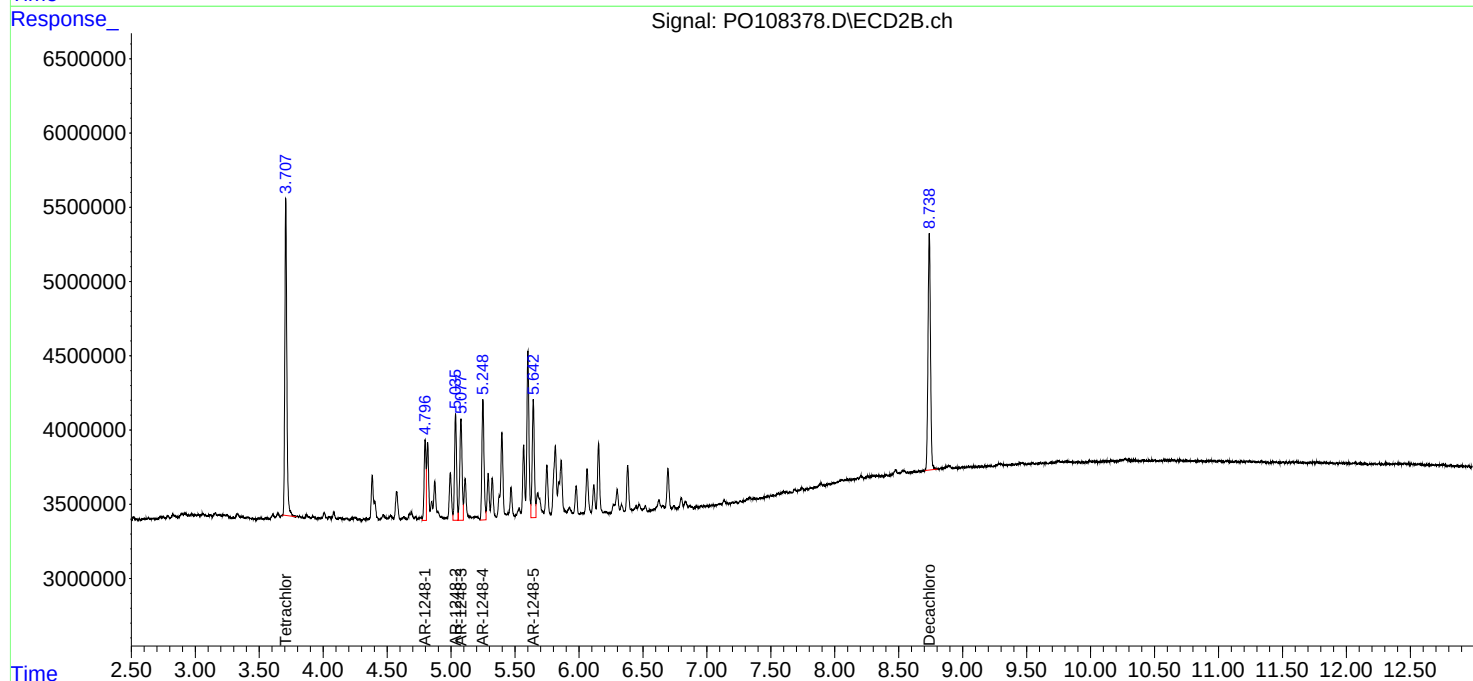
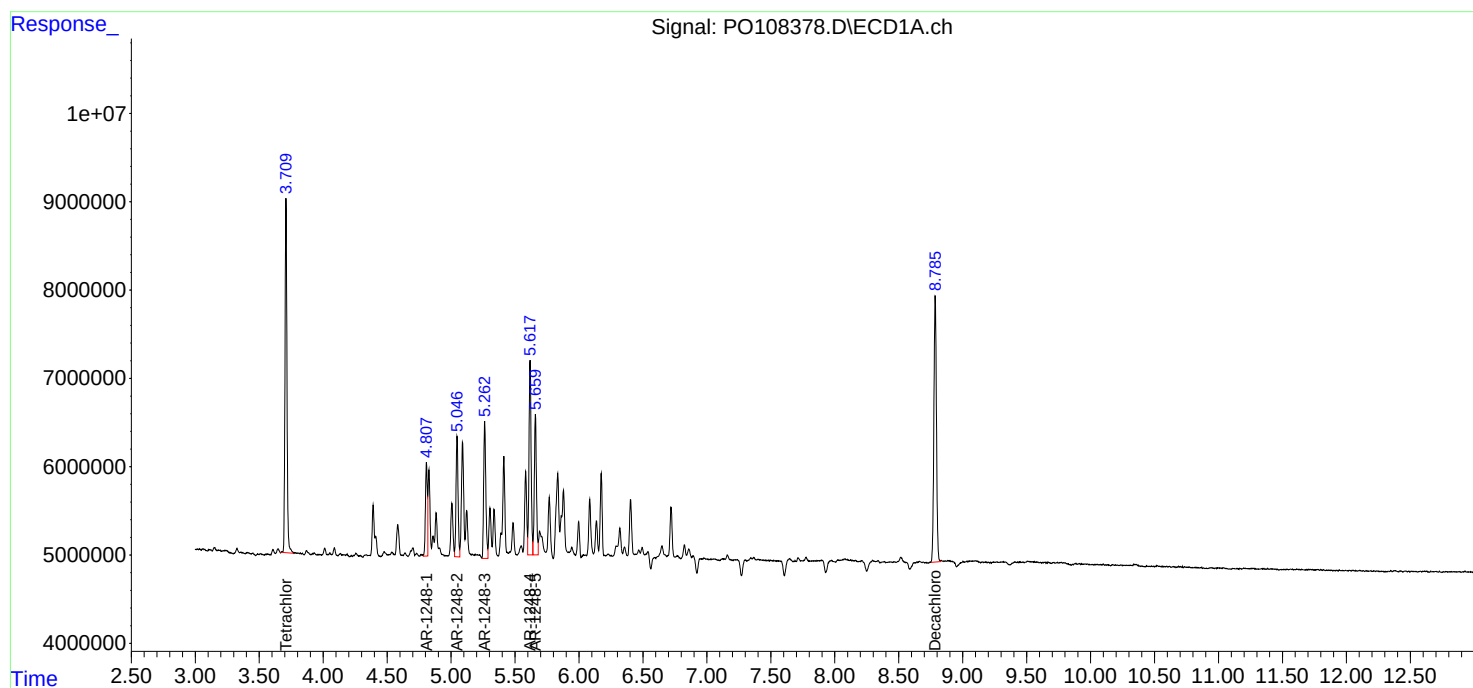
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

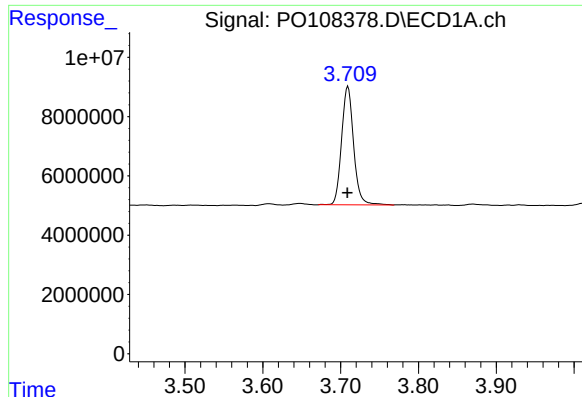
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:54:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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





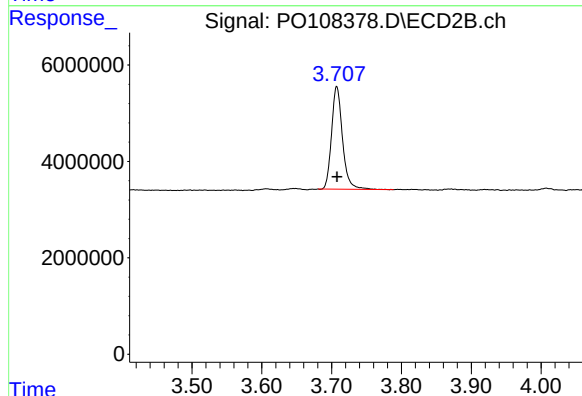
#1 Tetrachloro-m-xylene

R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 42888882
Conc: 4.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

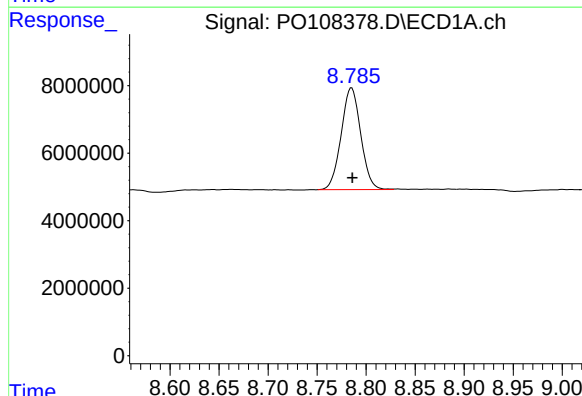
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



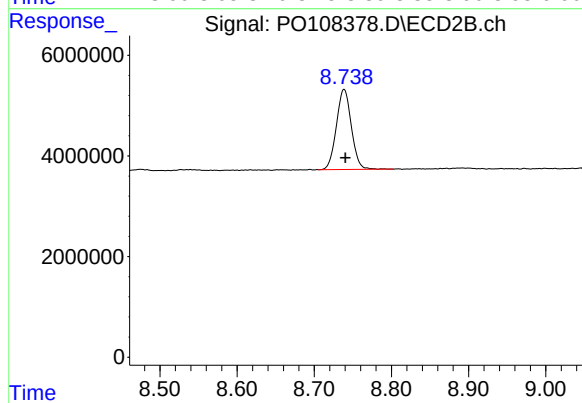
#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: 0.000 min
Response: 23166628
Conc: 4.42 ng/ml



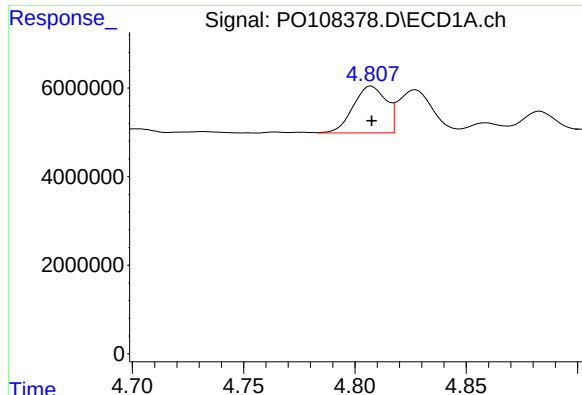
#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 41886336
Conc: 5.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.739 min
Delta R.T.: -0.002 min
Response: 21478364
Conc: 5.18 ng/ml



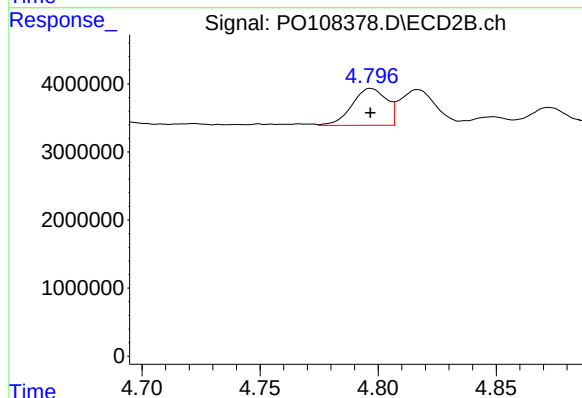
#21 AR-1248-1

R.T.: 4.807 min
Delta R.T.: 0.000 min
Response: 10841588
Conc: 54.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

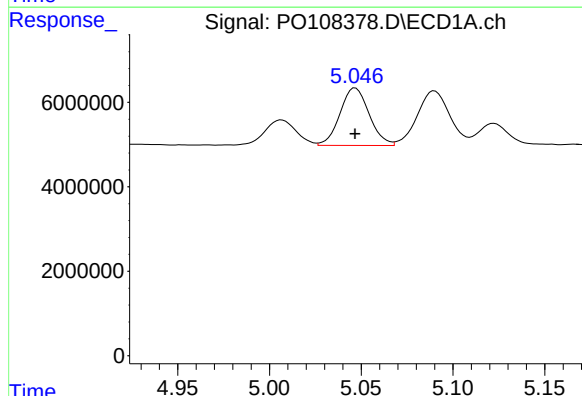
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



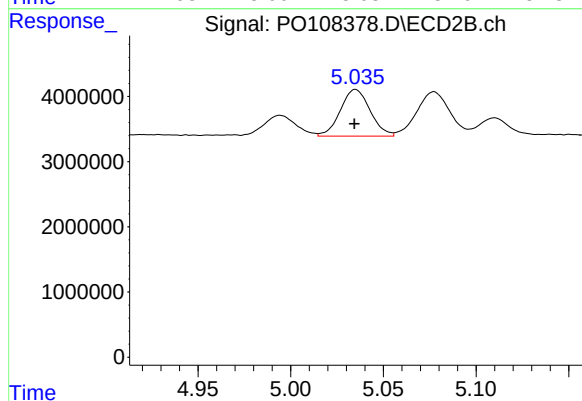
#21 AR-1248-1

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 5527464
Conc: 52.04 ng/ml



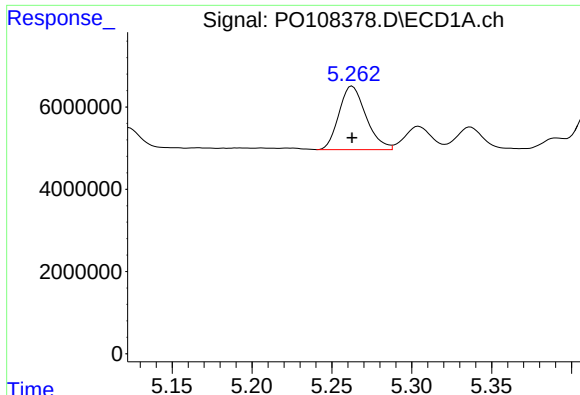
#22 AR-1248-2

R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 15088946
Conc: 54.49 ng/ml



#22 AR-1248-2

R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 7988873
Conc: 53.18 ng/ml



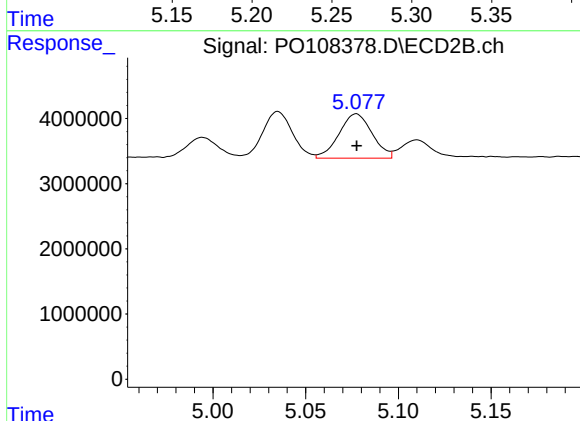
#23 AR-1248-3

R.T.: 5.262 min
Delta R.T.: 0.000 min
Response: 18304358
Conc: 53.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

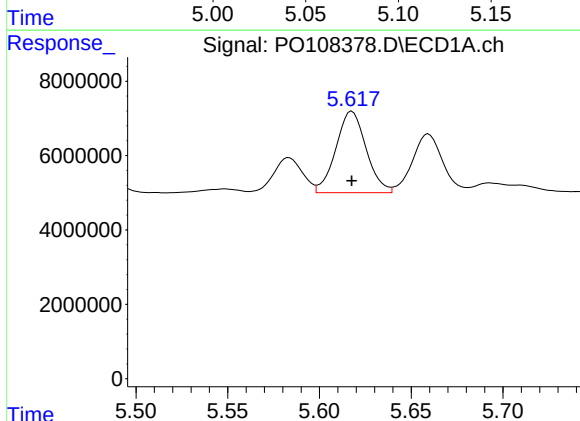
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



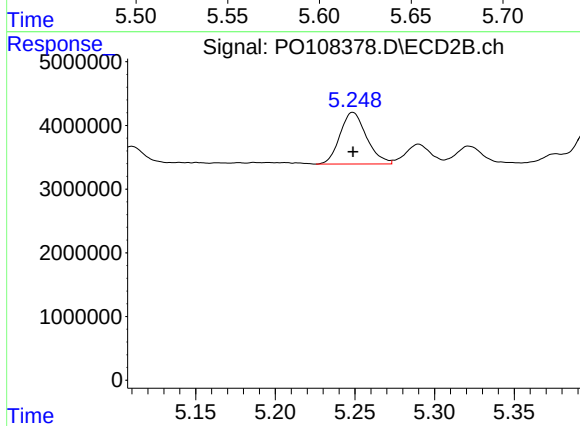
#23 AR-1248-3

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 8442914
Conc: 52.86 ng/ml



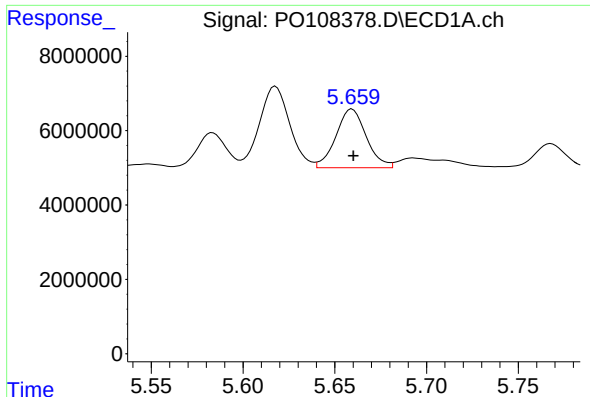
#24 AR-1248-4

R.T.: 5.617 min
Delta R.T.: 0.000 min
Response: 25239791
Conc: 52.64 ng/ml m



#24 AR-1248-4

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 9427231
Conc: 51.01 ng/ml



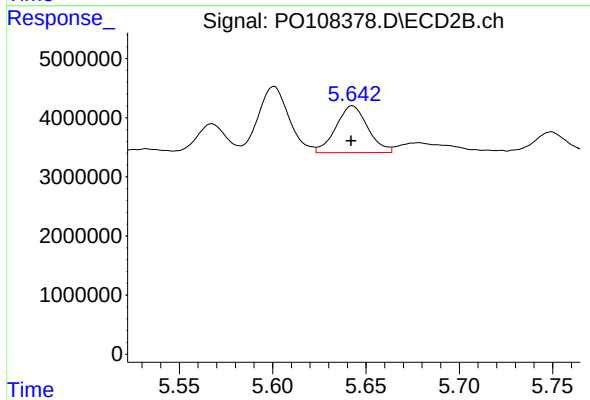
#25 AR-1248-5

R.T.: 5.659 min
Delta R.T.: -0.001 min
Response: 18193699
Conc: 53.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



#25 AR-1248-5

R.T.: 5.643 min
Delta R.T.: 0.000 min
Response: 9433171
Conc: 53.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108379.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 19:31
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: Dec 07 04:54:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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...	3.709	3.708	891.7E6	509.2E6	94.024	94.879
2) SA Decachlor...	8.788	8.740	714.7E6	394.1E6	91.087	92.542
Target Compounds						
26) L6 AR-1254-1	5.619	5.602	463.2E6	245.8E6	904.691	913.036
27) L6 AR-1254-2	5.768	5.749	407.0E6	215.5E6	898.746	902.392
28) L6 AR-1254-3	6.175	6.154	665.9E6	351.9E6	916.652	924.946
29) L6 AR-1254-4	6.404	6.382	404.3E6	203.0E6	909.993	920.523
30) L6 AR-1254-5	6.826	6.800	578.9E6	301.6E6	910.111	922.194

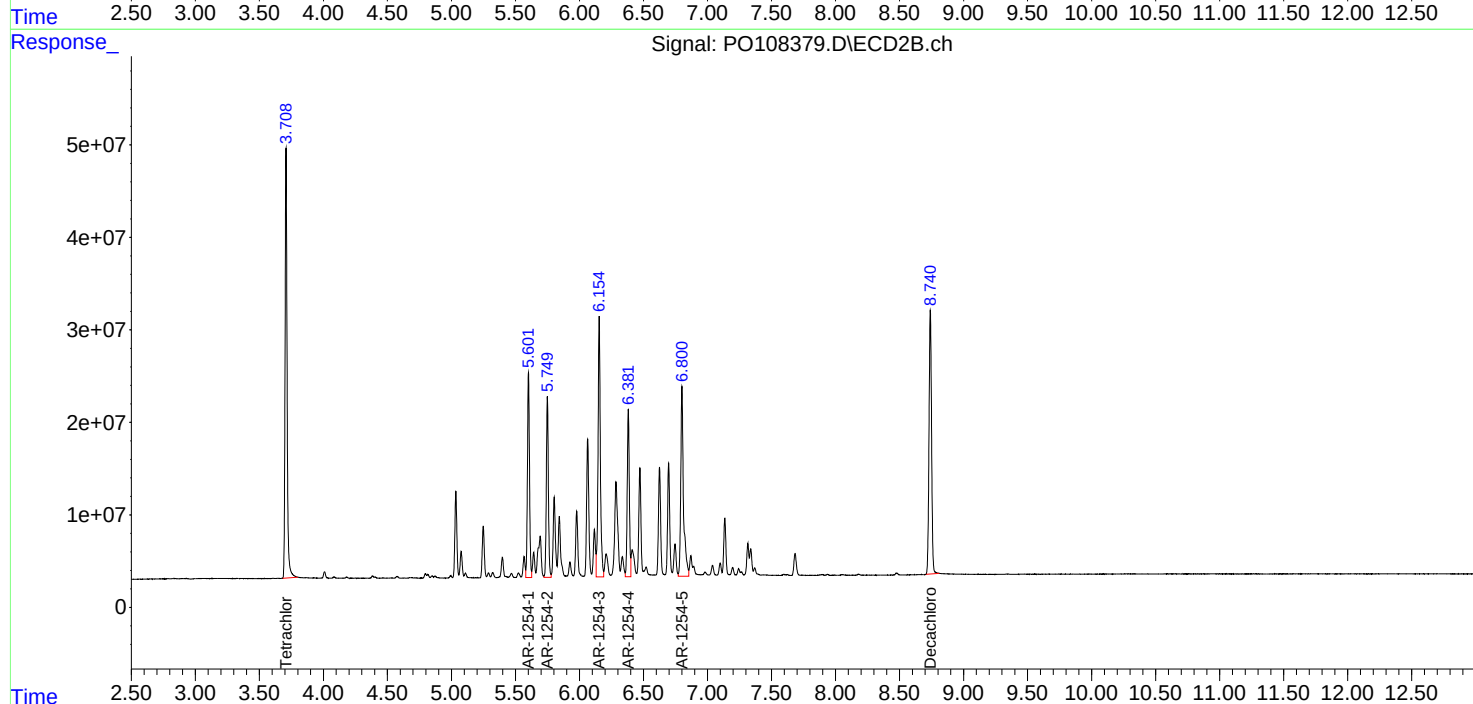
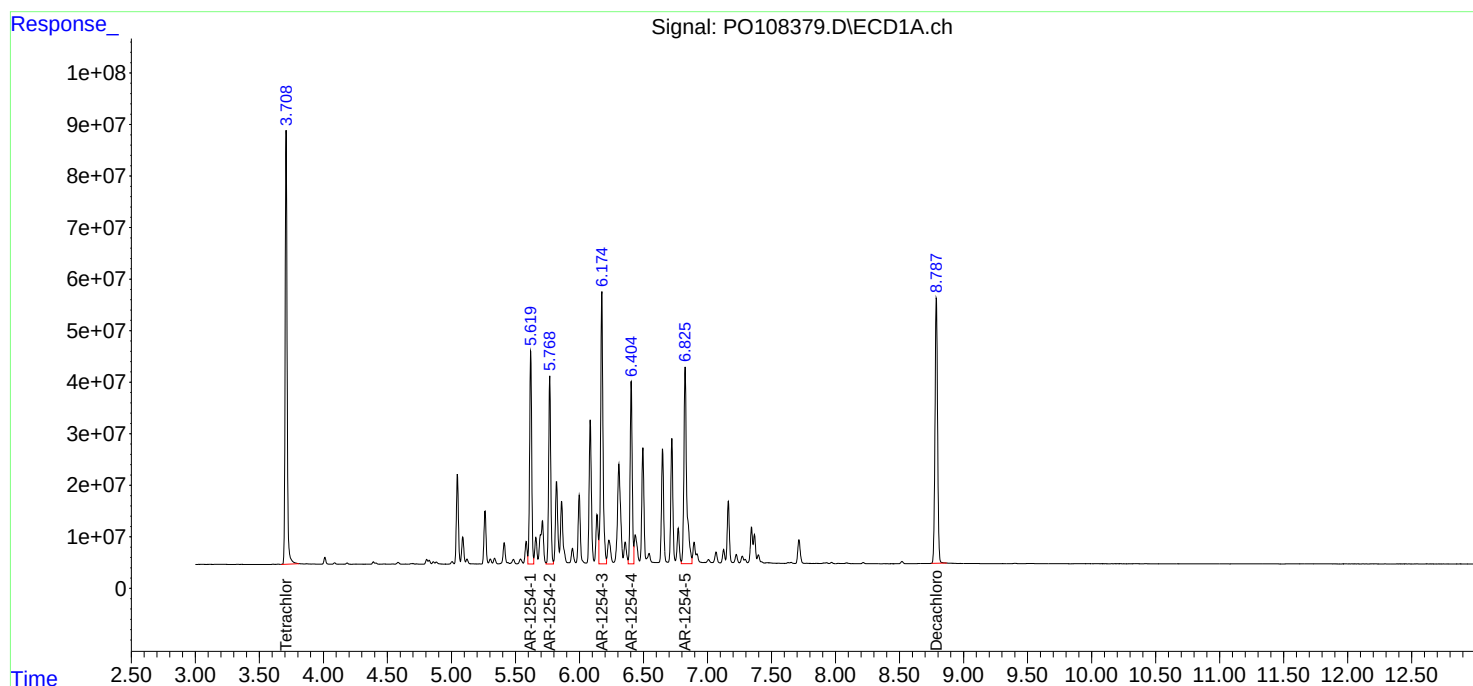
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108379.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 19:31
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

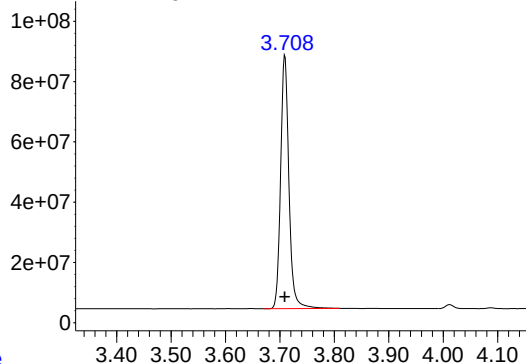
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 04:54:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PO108379.D\ECD1A.ch

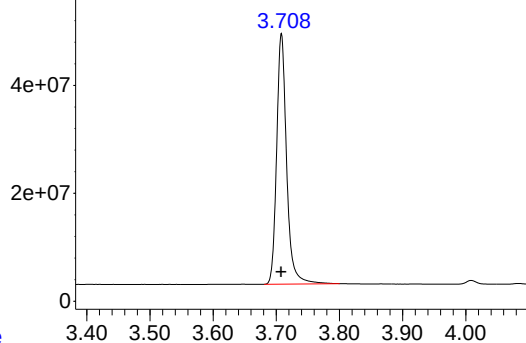


#1 Tetrachloro-m-xylene

R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 891695651
Conc: 94.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

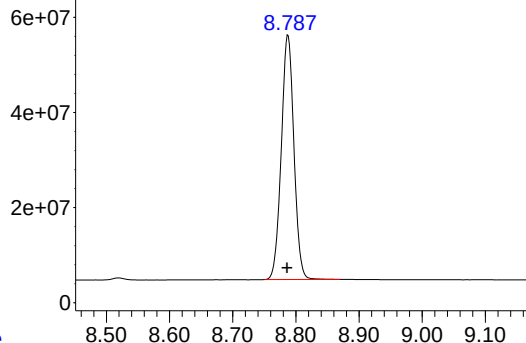
Time Response_ Signal: PO108379.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 509241874
Conc: 94.88 ng/ml

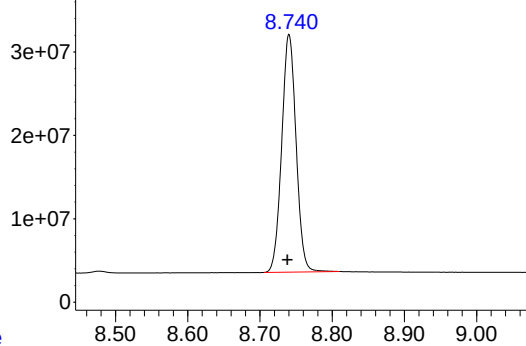
Time Response_ Signal: PO108379.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 8.788 min
Delta R.T.: 0.001 min
Response: 714651265
Conc: 91.09 ng/ml

Time Response_ Signal: PO108379.D\ECD2B.ch



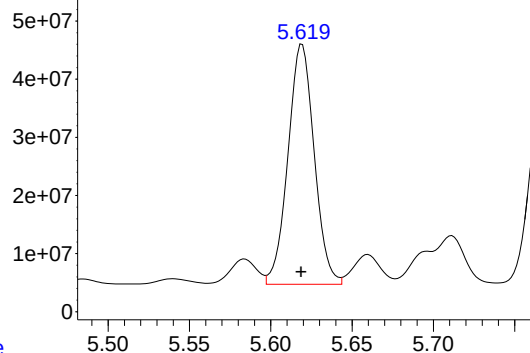
#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: 0.002 min
Response: 394129973
Conc: 92.54 ng/ml

Response_

Signal: PO108379.D\ECD1A.ch

#26 AR-1254-1



R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 463230517
Conc: 904.69 ng/ml

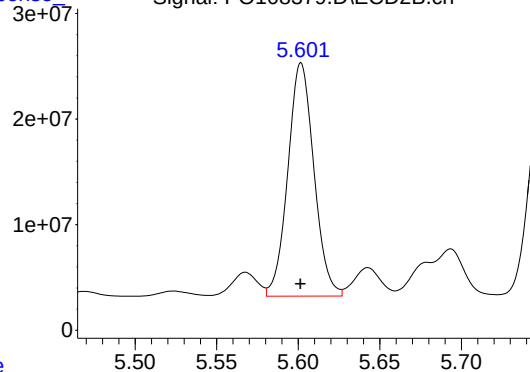
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Time

Response

Signal: PO108379.D\ECD2B.ch

#26 AR-1254-1



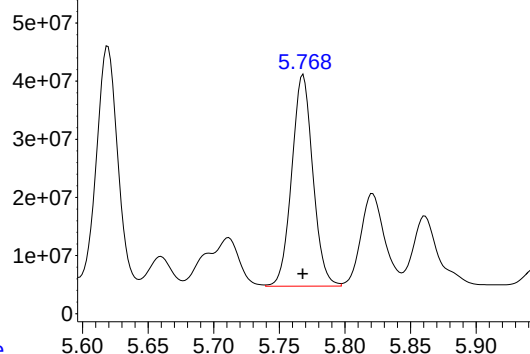
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 245816740
Conc: 913.04 ng/ml

Time

Response_

Signal: PO108379.D\ECD1A.ch

#27 AR-1254-2



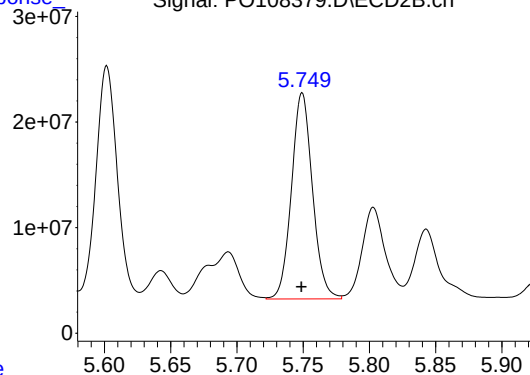
R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 407035308
Conc: 898.75 ng/ml

Time

Response

Signal: PO108379.D\ECD2B.ch

#27 AR-1254-2



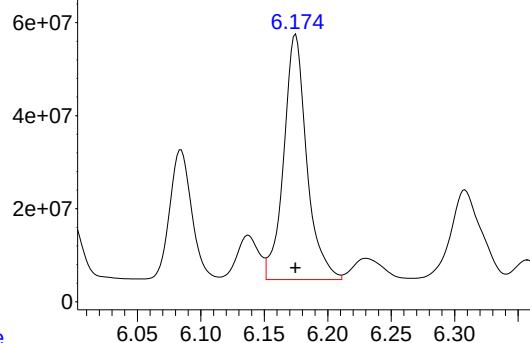
R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 215464605
Conc: 902.39 ng/ml

Time

Response_

Signal: PO108379.D\ECD1A.ch

#28 AR-1254-3



R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 665923649
Conc: 916.65 ng/ml

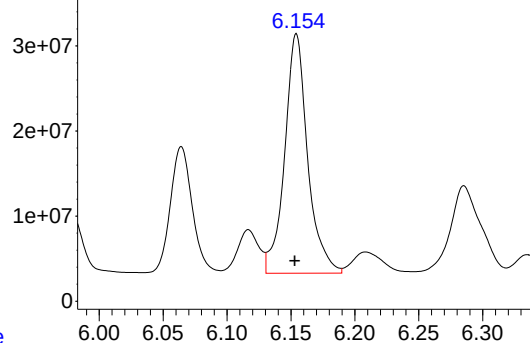
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Time

Response_

Signal: PO108379.D\ECD2B.ch

#28 AR-1254-3



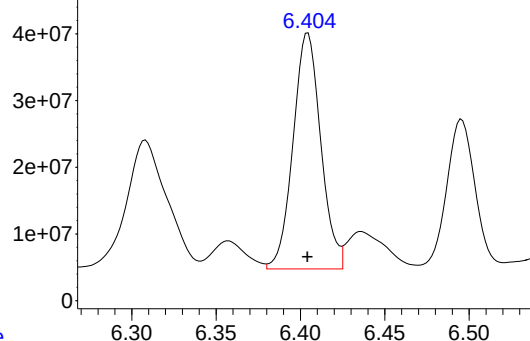
R.T.: 6.154 min
Delta R.T.: 0.001 min
Response: 351887512
Conc: 924.95 ng/ml

Time

Response_

Signal: PO108379.D\ECD1A.ch

#29 AR-1254-4



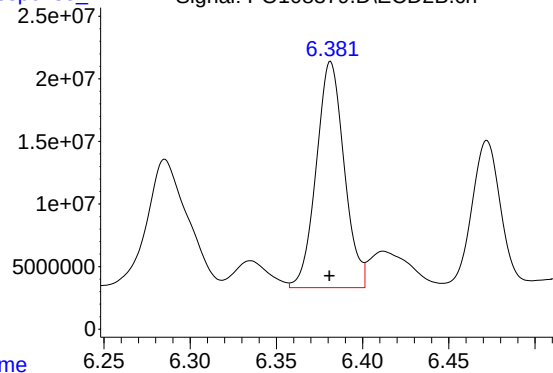
R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 404280854
Conc: 909.99 ng/ml

Time

Response_

Signal: PO108379.D\ECD2B.ch

#29 AR-1254-4



R.T.: 6.382 min
Delta R.T.: 0.000 min
Response: 202983022
Conc: 920.52 ng/ml

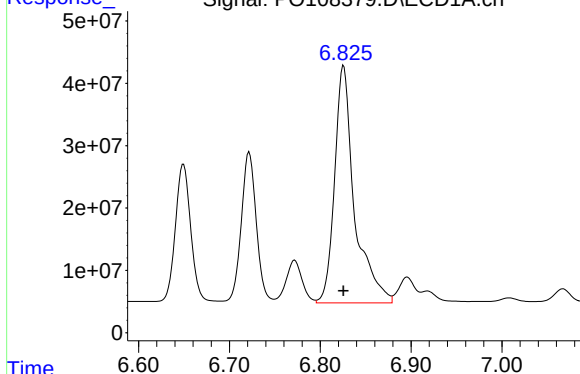
Time

Response_

Signal: PO108379.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.826 min
Delta R.T.: 0.000 min
Response: 578915300
Conc: 910.11 ng/ml

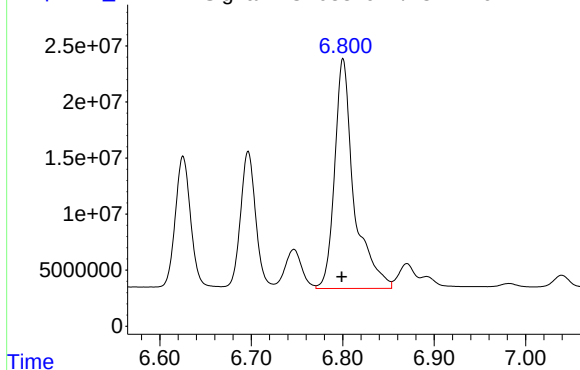
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Time

Response_

Signal: PO108379.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.800 min
Delta R.T.: 0.001 min
Response: 301571990
Conc: 922.19 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 19:49
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: Dec 07 04:54:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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...	3.709	3.708	690.4E6	392.2E6	72.797	73.066
2) SA Decachlor...	8.786	8.740	558.9E6	305.4E6	71.234	71.703
Target Compounds						
26) L6 AR-1254-1	5.619	5.602	365.3E6	192.3E6	713.390	714.419
27) L6 AR-1254-2	5.768	5.749	321.9E6	169.0E6	710.657	707.972
28) L6 AR-1254-3	6.174	6.153	521.3E6	273.4E6	717.593	718.593
29) L6 AR-1254-4	6.404	6.380	315.8E6	157.4E6	710.850	714.003
30) L6 AR-1254-5	6.826	6.800	453.5E6	234.5E6	712.914	716.984

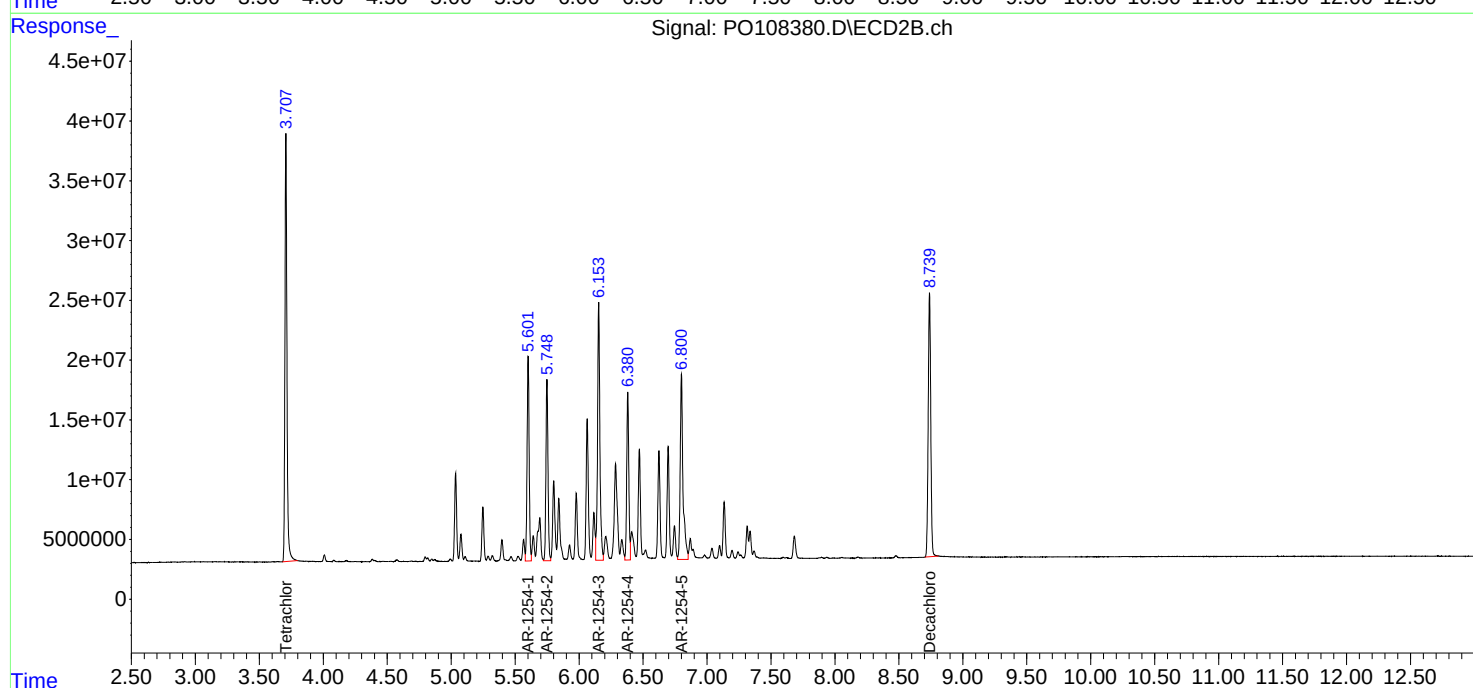
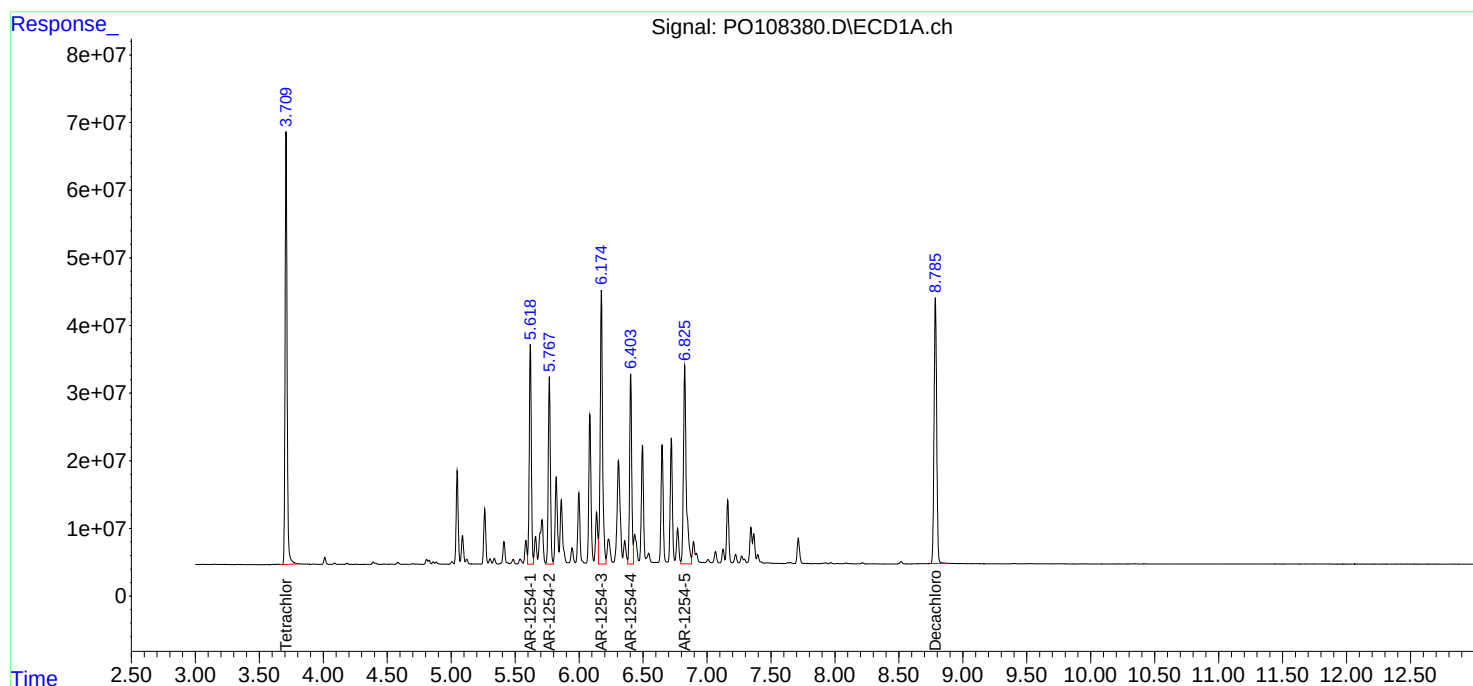
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

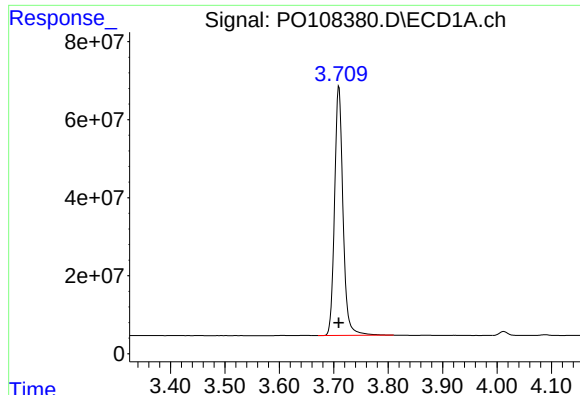
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 19:49
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 04:54:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

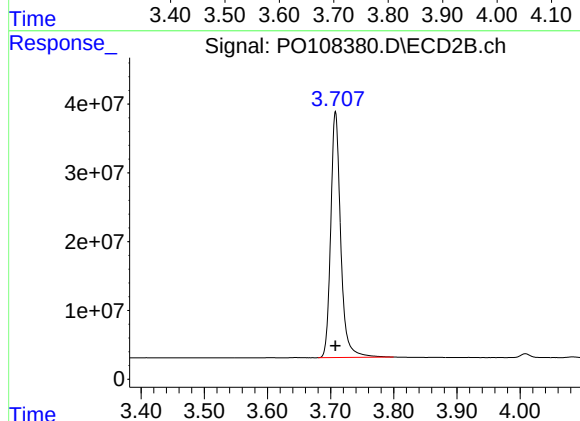




#1 Tetrachloro-m-xylene

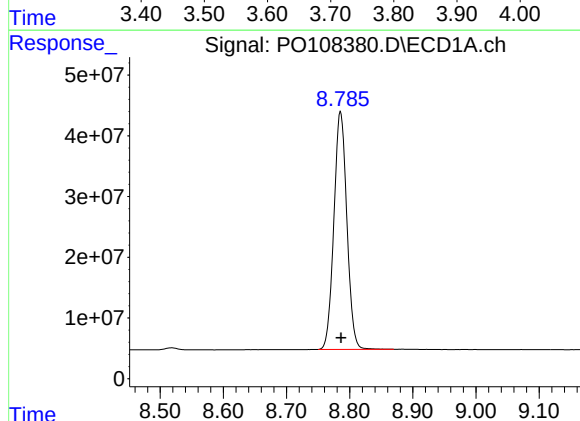
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 690383418
Conc: 72.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



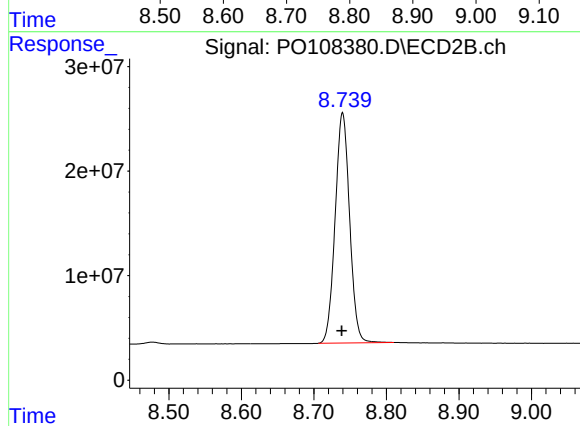
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 392165033
Conc: 73.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 558891707
Conc: 71.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: 0.001 min
Response: 305378552
Conc: 71.70 ng/ml

Response_

Signal: PO108380.D\ECD1A.ch

#26 AR-1254-1

R.T.: 5.619 min

Delta R.T.: 0.000 min

Response: 365278190

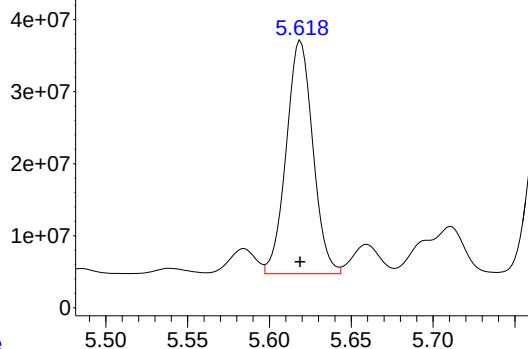
Conc: 713.39 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1254ICC750



Time

Response_

Signal: PO108380.D\ECD2B.ch

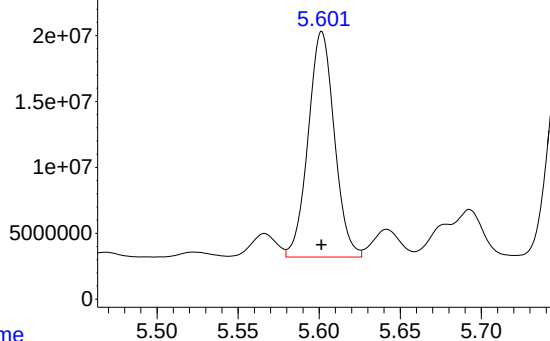
#26 AR-1254-1

R.T.: 5.602 min

Delta R.T.: 0.000 min

Response: 192342867

Conc: 714.42 ng/ml



Time

Response_

Signal: PO108380.D\ECD1A.ch

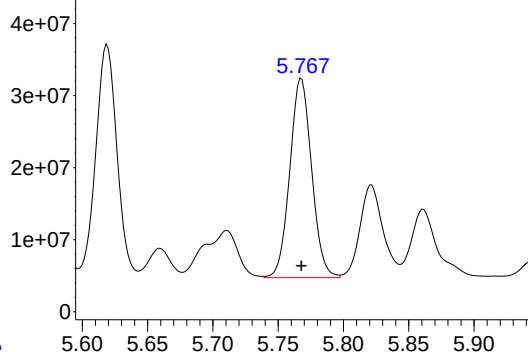
#27 AR-1254-2

R.T.: 5.768 min

Delta R.T.: 0.000 min

Response: 321851048

Conc: 710.66 ng/ml



Time

Response_

Signal: PO108380.D\ECD2B.ch

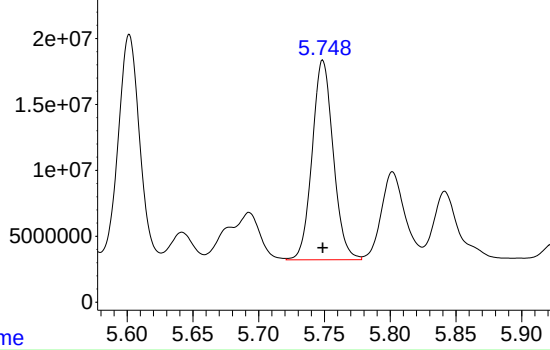
#27 AR-1254-2

R.T.: 5.749 min

Delta R.T.: 0.000 min

Response: 169042798

Conc: 707.97 ng/ml



Time

Response_ Signal: PO108380.D\ECD1A.ch

#28 AR-1254-3

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 521312401
Conc: 717.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Time

Response_ Signal: PO108380.D\ECD2B.ch

#28 AR-1254-3

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 273382343
Conc: 718.59 ng/ml

Time

Response_ Signal: PO108380.D\ECD1A.ch

#29 AR-1254-4

R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 315808144
Conc: 710.85 ng/ml

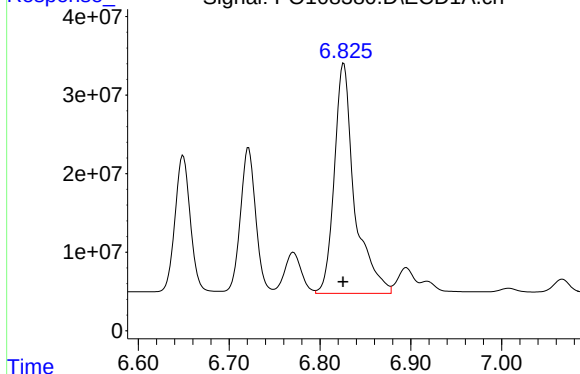
Time

Response_ Signal: PO108380.D\ECD2B.ch

#29 AR-1254-4

R.T.: 6.380 min
Delta R.T.: 0.000 min
Response: 157443588
Conc: 714.00 ng/ml

Time



R.T.: 6.826 min
Delta R.T.: 0.000 min
Response: 453479311
Conc: 712.91 ng/ml

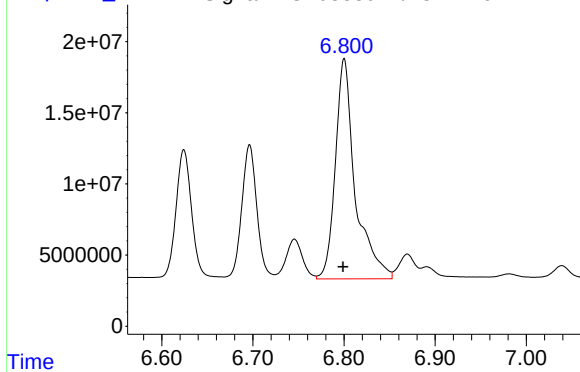
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Time

Response_

Signal: PO108380.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.800 min
Delta R.T.: 0.001 min
Response: 234464914
Conc: 716.98 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:08
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: Dec 07 04:55:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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...	3.709	3.707	474.2E6	268.4E6	50.000	50.000
2) SA Decachlor...	8.786	8.738	392.3E6	212.9E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	5.619	5.601	256.0E6	134.6E6	500.000	500.000
27) L6 AR-1254-2	5.768	5.749	226.4E6	119.4E6	500.000	500.000
28) L6 AR-1254-3	6.174	6.153	363.2E6	190.2E6	500.000	500.000
29) L6 AR-1254-4	6.404	6.381	222.1E6	110.3E6	500.000	500.000
30) L6 AR-1254-5	6.825	6.799	318.0E6	163.5E6	500.000	500.000

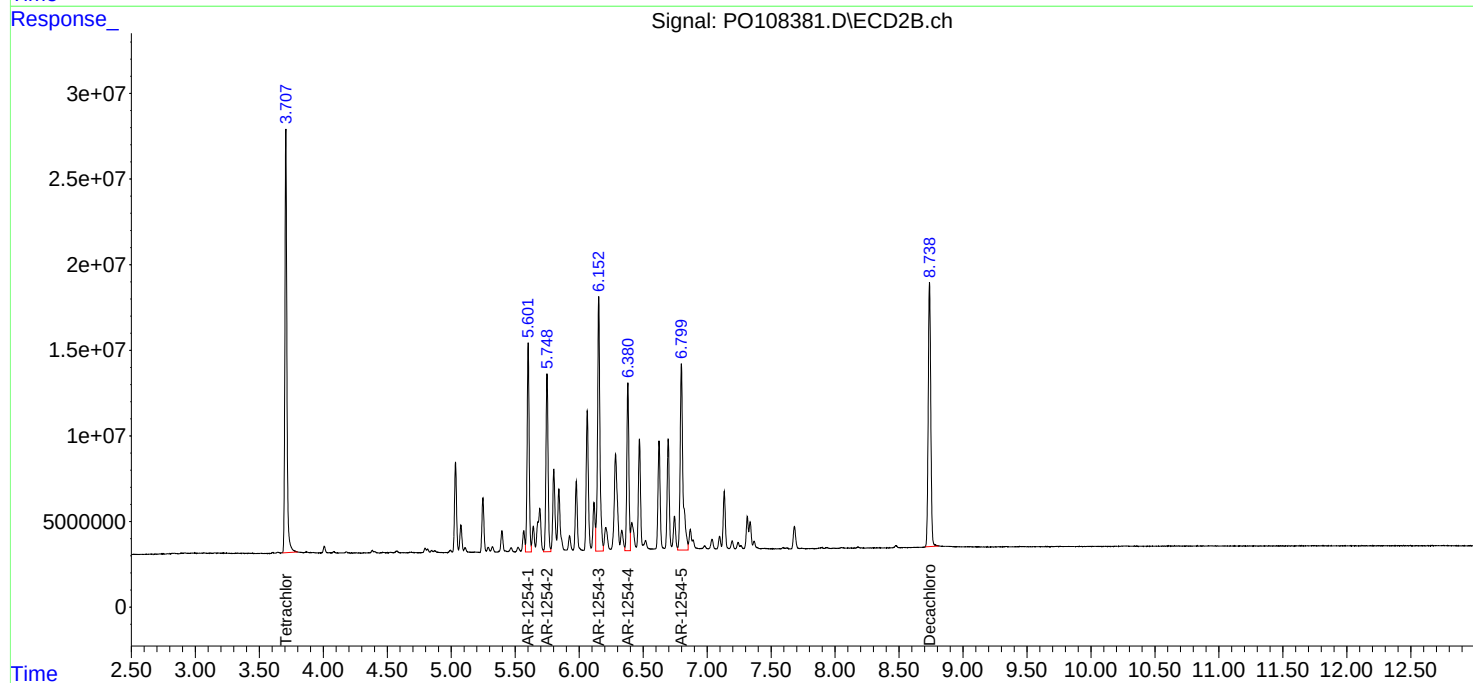
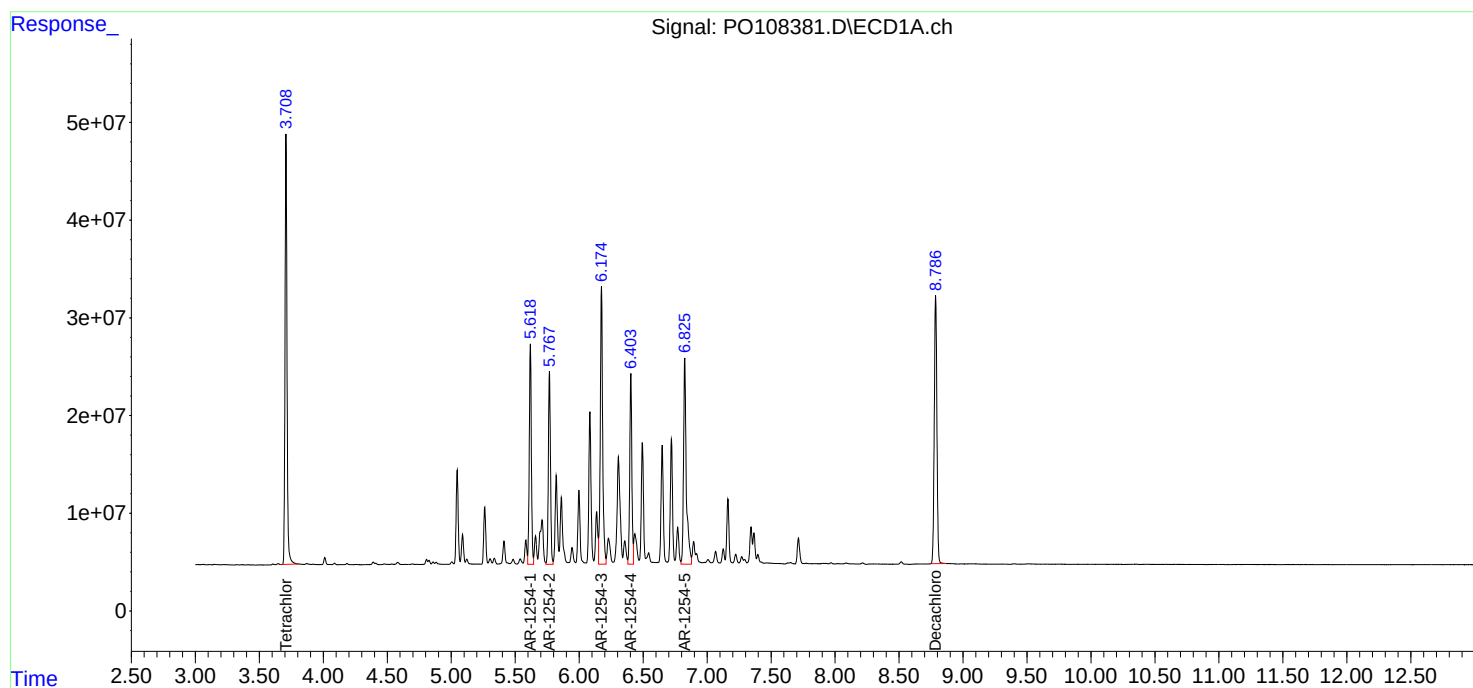
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:08
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

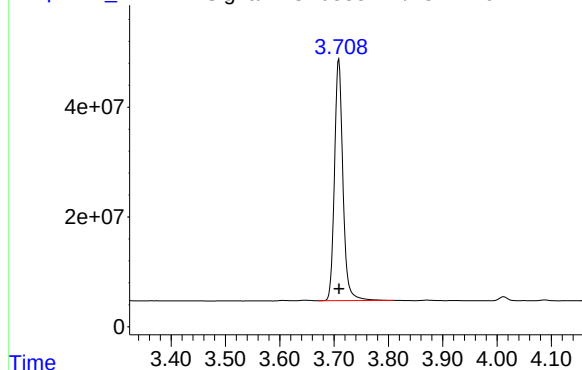
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 04:55:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PO108381.D\ECD1A.ch

#1 Tetrachloro-m-xylene

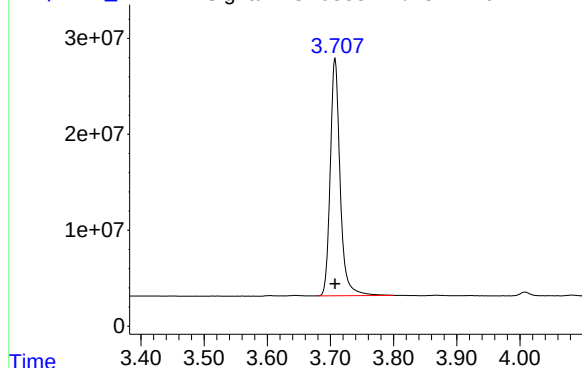


R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 474182655
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Signal: PO108381.D\ECD2B.ch

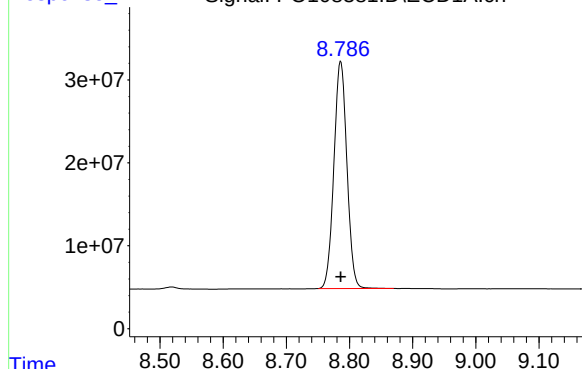
#1 Tetrachloro-m-xylene



R.T.: 3.707 min
Delta R.T.: 0.000 min
Response: 268363315
Conc: 50.00 ng/ml

Signal: PO108381.D\ECD1A.ch

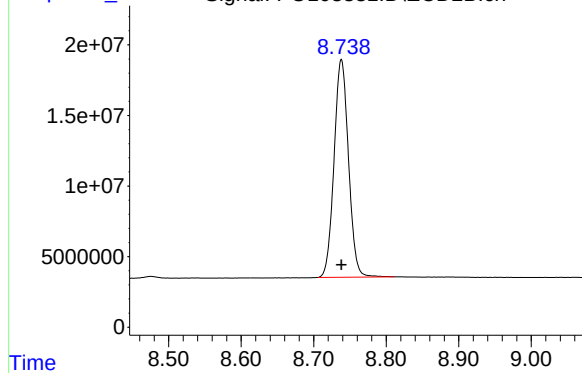
#2 Decachlorobiphenyl



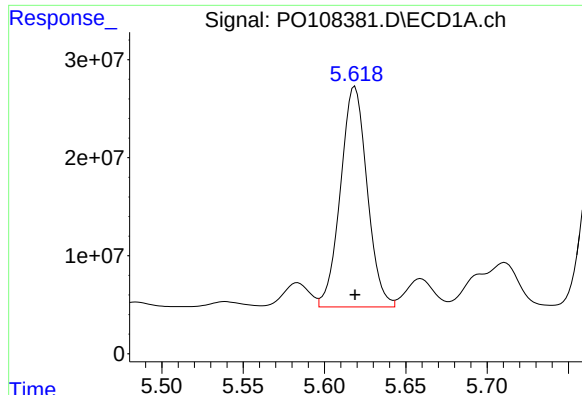
R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 392292110
Conc: 50.00 ng/ml

Signal: PO108381.D\ECD2B.ch

#2 Decachlorobiphenyl



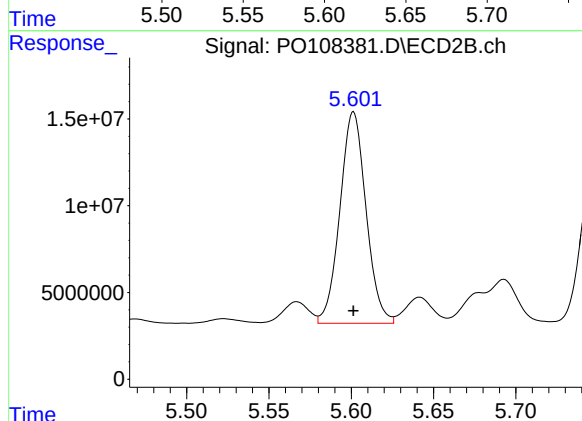
R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 212946579
Conc: 50.00 ng/ml



#26 AR-1254-1

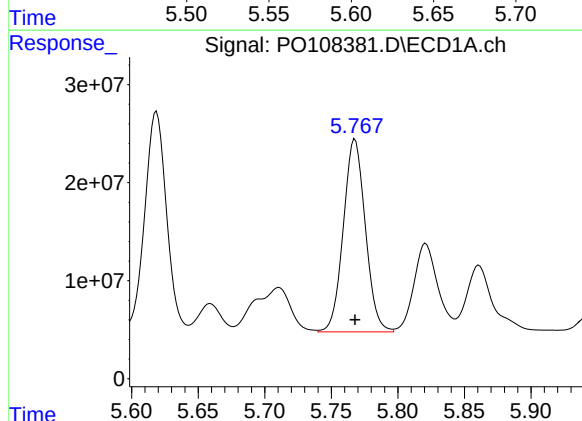
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 256015757
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



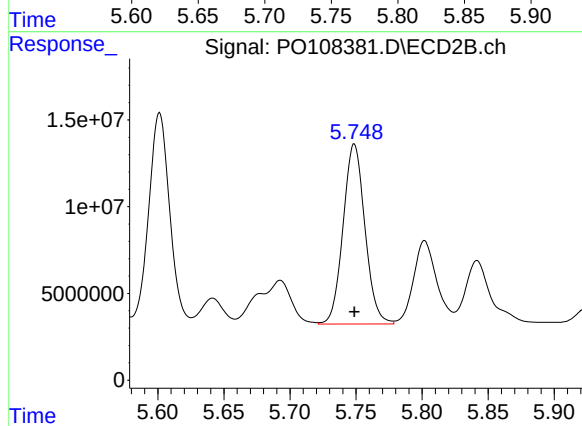
#26 AR-1254-1

R.T.: 5.601 min
Delta R.T.: 0.000 min
Response: 134614973
Conc: 500.00 ng/ml



#27 AR-1254-2

R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 226446265
Conc: 500.00 ng/ml



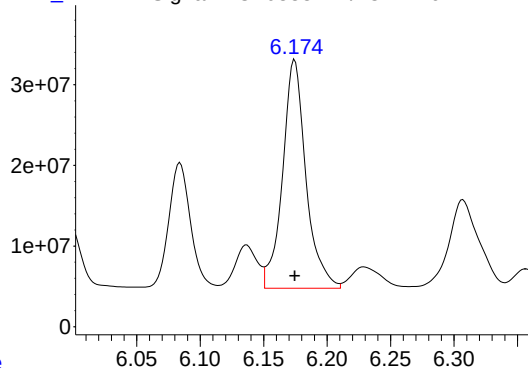
#27 AR-1254-2

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 119385210
Conc: 500.00 ng/ml

Response_

Signal: PO108381.D\ECD1A.ch

#28 AR-1254-3



R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 363236901
Conc: 500.00 ng/ml

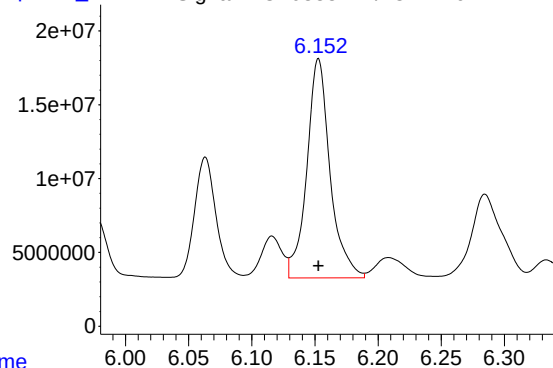
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Time

Response_

Signal: PO108381.D\ECD2B.ch

#28 AR-1254-3



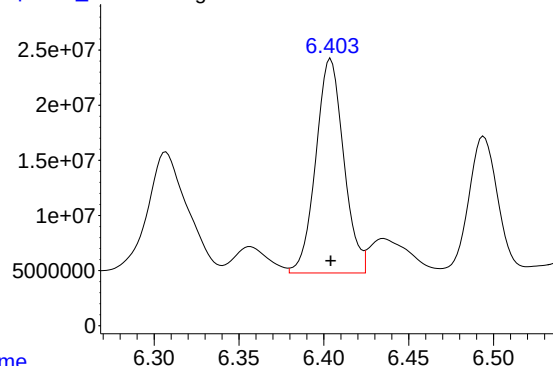
R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 190220530
Conc: 500.00 ng/ml

Time

Response_

Signal: PO108381.D\ECD1A.ch

#29 AR-1254-4



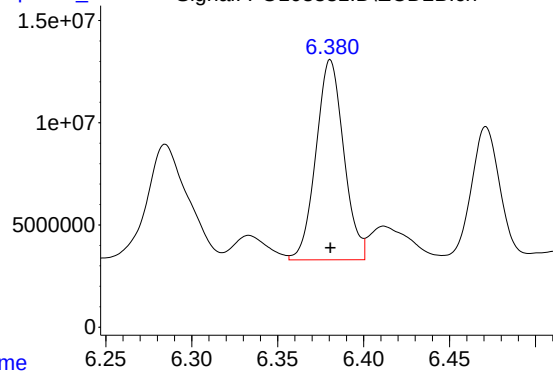
R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 222134078
Conc: 500.00 ng/ml

Time

Response_

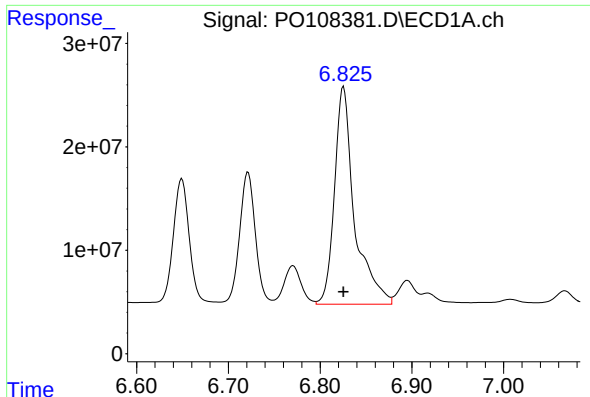
Signal: PO108381.D\ECD2B.ch

#29 AR-1254-4



R.T.: 6.381 min
Delta R.T.: 0.000 min
Response: 110254180
Conc: 500.00 ng/ml

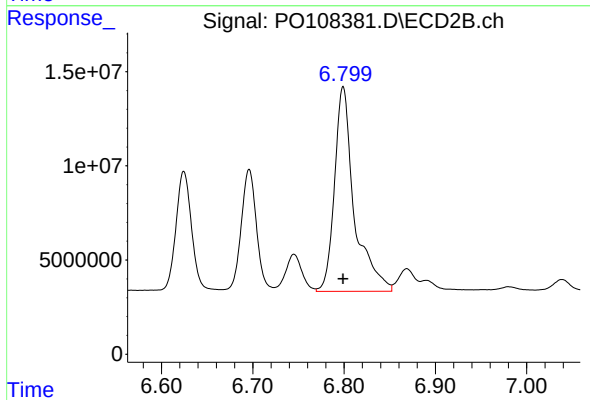
Time



#30 AR-1254-5

R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 318046447
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



#30 AR-1254-5

R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 163507863
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:26
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: Dec 07 04:55:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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...	3.710	3.708	232.8E6	130.7E6	24.550	24.351
2) SA Decachlor...	8.785	8.738	200.7E6	109.4E6	25.586	25.678
Target Compounds						
26) L6 AR-1254-1	5.619	5.602	133.5E6	69803832	260.658	259.272
27) L6 AR-1254-2	5.767	5.749	119.1E6	62204391	262.971	260.520
28) L6 AR-1254-3	6.174	6.153	185.8E6	96697949	255.759	254.173
29) L6 AR-1254-4	6.404	6.381	114.7E6	56523348	258.092	256.332
30) L6 AR-1254-5	6.825	6.799	165.6E6	83204383	260.395	254.435

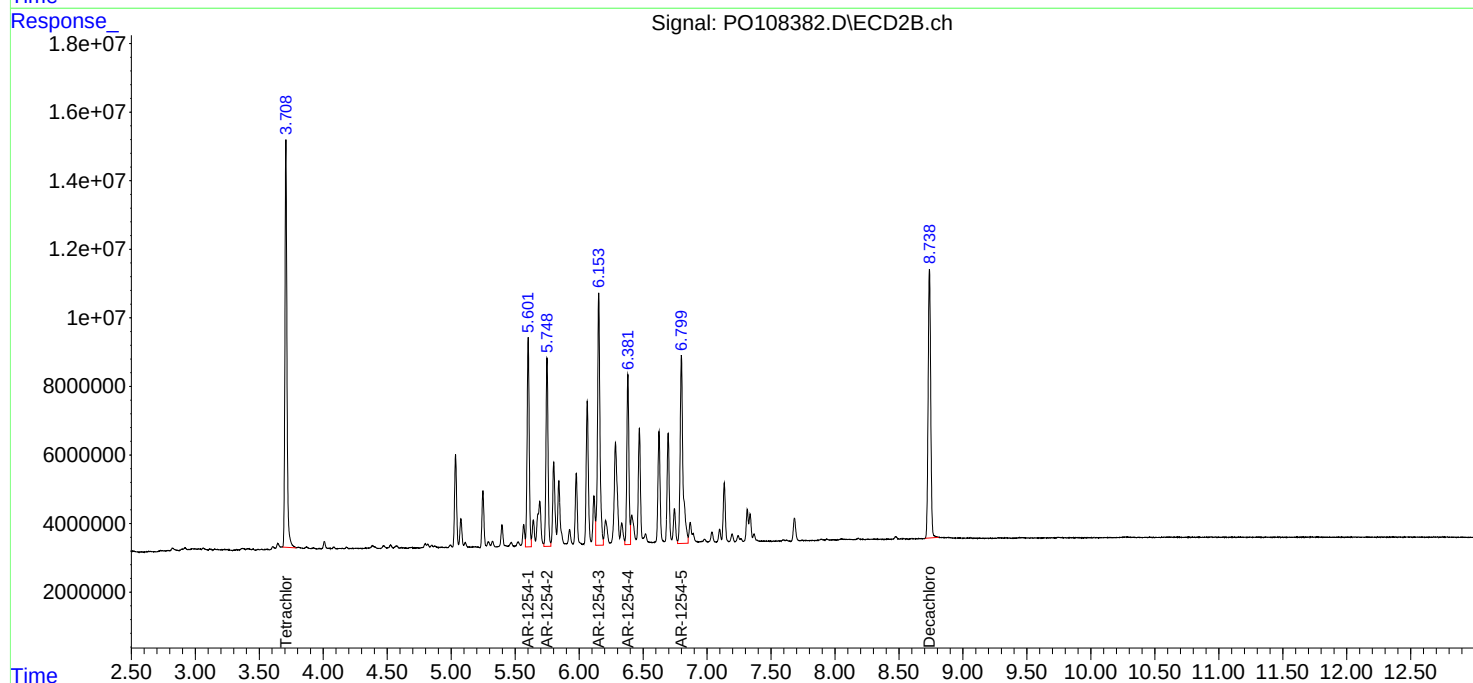
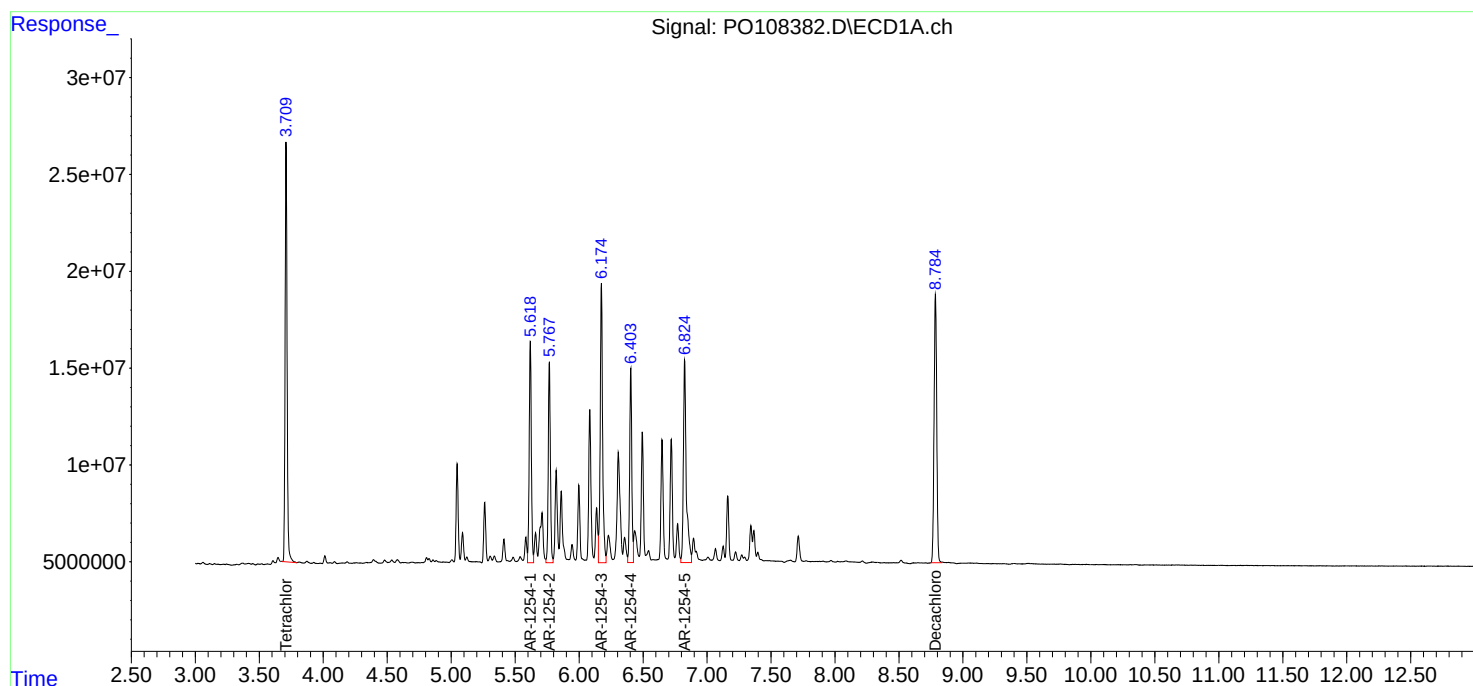
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

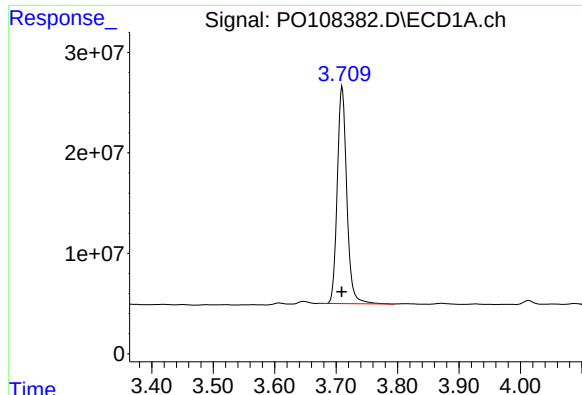
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:26
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 04:55:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

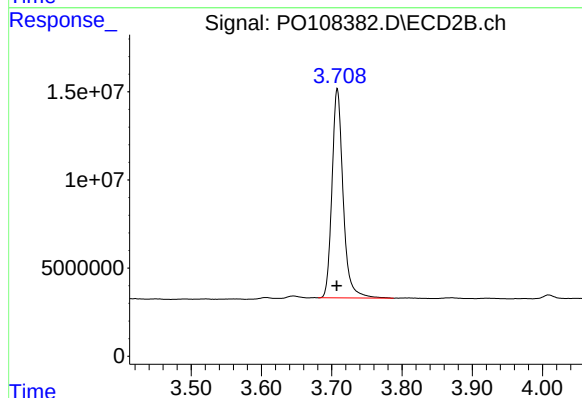




#1 Tetrachloro-m-xylene

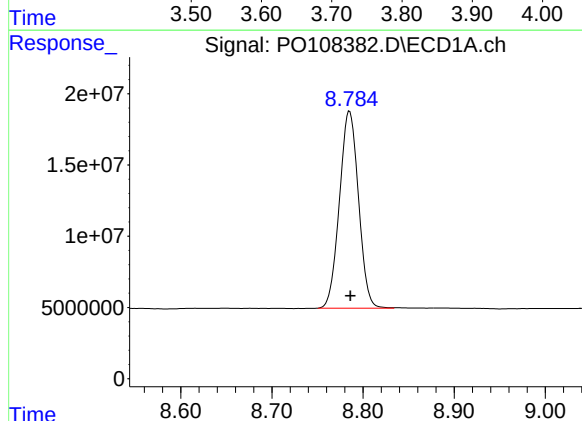
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 232827440
Conc: 24.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



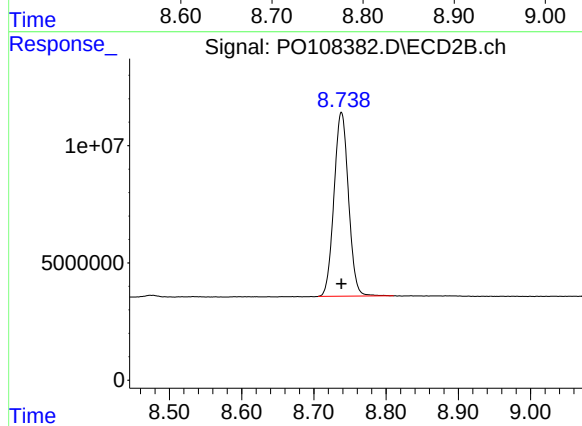
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 130697905
Conc: 24.35 ng/ml



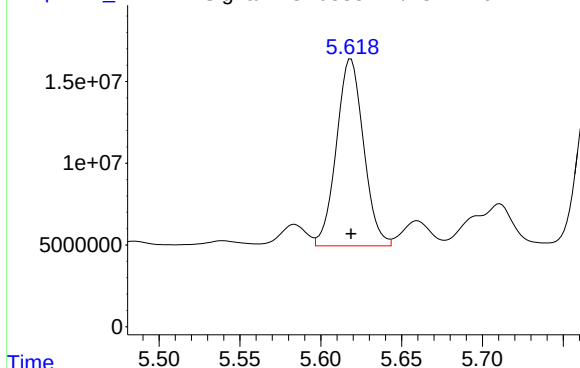
#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: -0.001 min
Response: 200745089
Conc: 25.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 109360055
Conc: 25.68 ng/ml



R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 133465331
Conc: 260.66 ng/ml

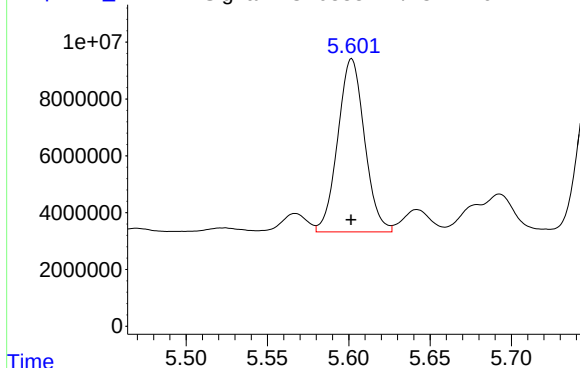
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Time

Response_

Signal: PO108382.D\ECD2B.ch

#26 AR-1254-1



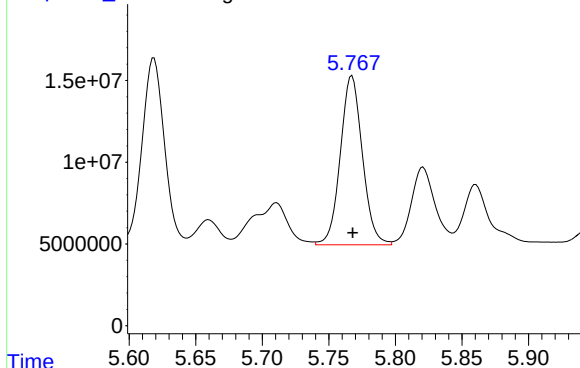
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 69803832
Conc: 259.27 ng/ml

Time

Response_

Signal: PO108382.D\ECD1A.ch

#27 AR-1254-2



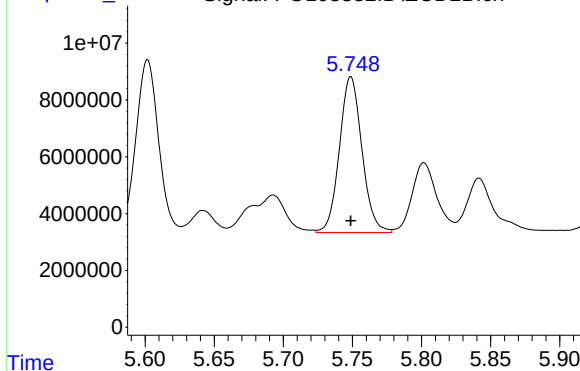
R.T.: 5.767 min
Delta R.T.: 0.000 min
Response: 119097733
Conc: 262.97 ng/ml

Time

Response_

Signal: PO108382.D\ECD2B.ch

#27 AR-1254-2



R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 62204391
Conc: 260.52 ng/ml

Response_

Signal: PO108382.D\ECD1A.ch

#28 AR-1254-3

R.T.: 6.174 min

Delta R.T.: 0.000 min

Response: 185802135

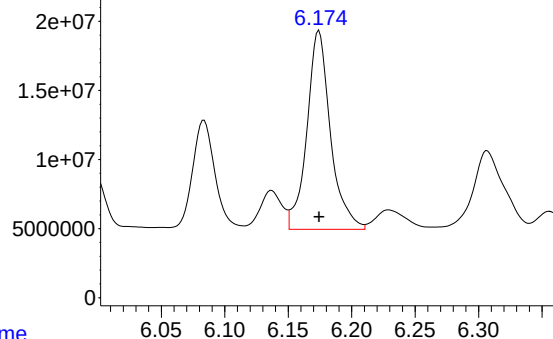
Conc: 255.76 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1254ICC250



Time

Response_

Signal: PO108382.D\ECD2B.ch

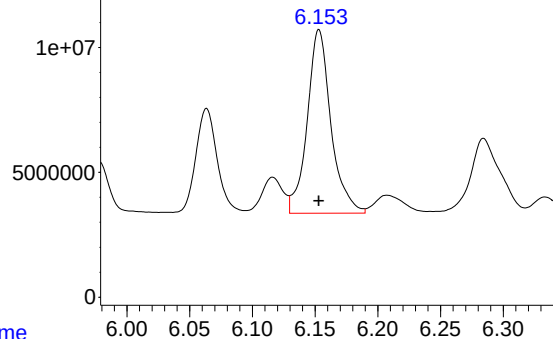
#28 AR-1254-3

R.T.: 6.153 min

Delta R.T.: 0.000 min

Response: 96697949

Conc: 254.17 ng/ml



Time

Response_

Signal: PO108382.D\ECD1A.ch

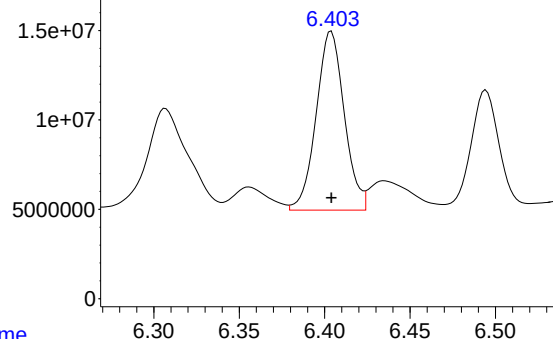
#29 AR-1254-4

R.T.: 6.404 min

Delta R.T.: 0.000 min

Response: 114662025

Conc: 258.09 ng/ml



Time

Response_

Signal: PO108382.D\ECD2B.ch

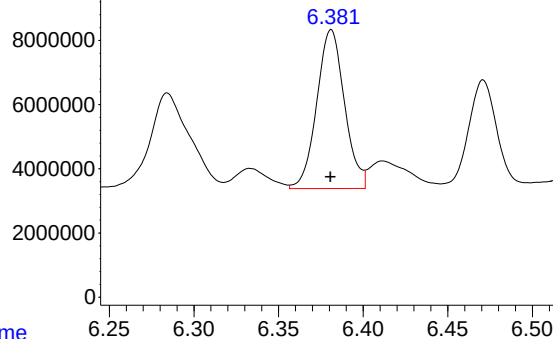
#29 AR-1254-4

R.T.: 6.381 min

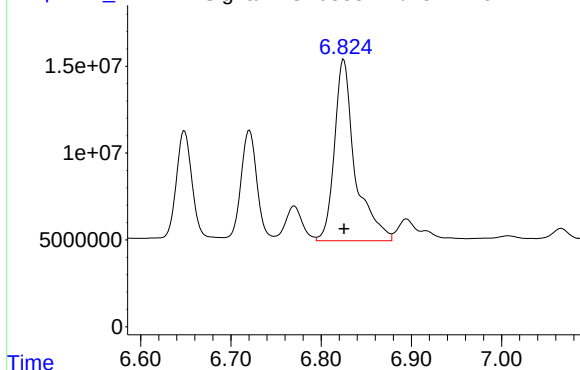
Delta R.T.: 0.000 min

Response: 56523348

Conc: 256.33 ng/ml



Time



R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 165635547
Conc: 260.40 ng/ml

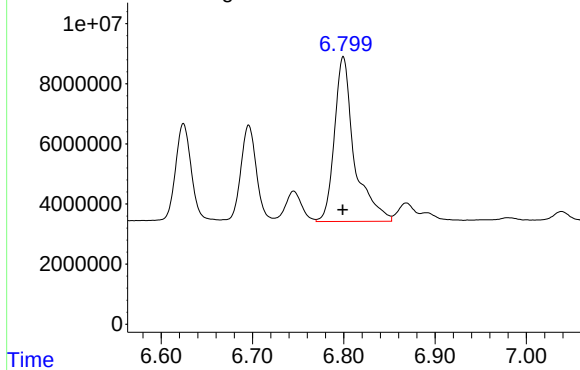
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Time

Response_

Signal: PO108382.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 83204383
Conc: 254.44 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:44
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 04:55:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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...	3.709	3.708	44979145	24991936	4.743	4.656
2) SA Decachlor...	8.786	8.738	41446440	21658098	5.283	5.085
Target Compounds						
26) L6 AR-1254-1	5.618	5.602	28602032	15172054	55.860m	56.354
27) L6 AR-1254-2	5.767	5.749	25591845	13582944	56.508m	56.887
28) L6 AR-1254-3	6.174	6.153	38497674	19696275	52.993m	51.772
29) L6 AR-1254-4	6.404	6.380	23289470	11443812	52.422m	51.897
30) L6 AR-1254-5	6.826	6.799	34671057	16988687	54.506	51.951

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:44
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

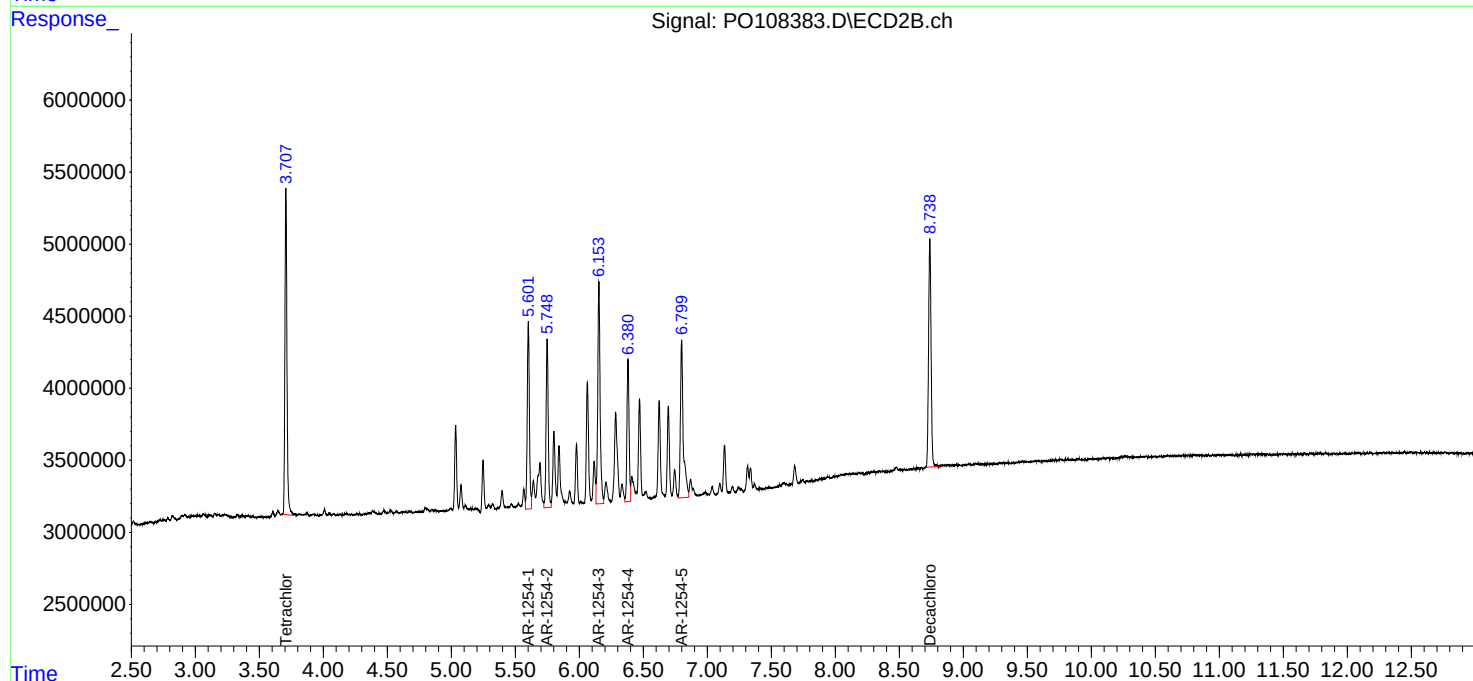
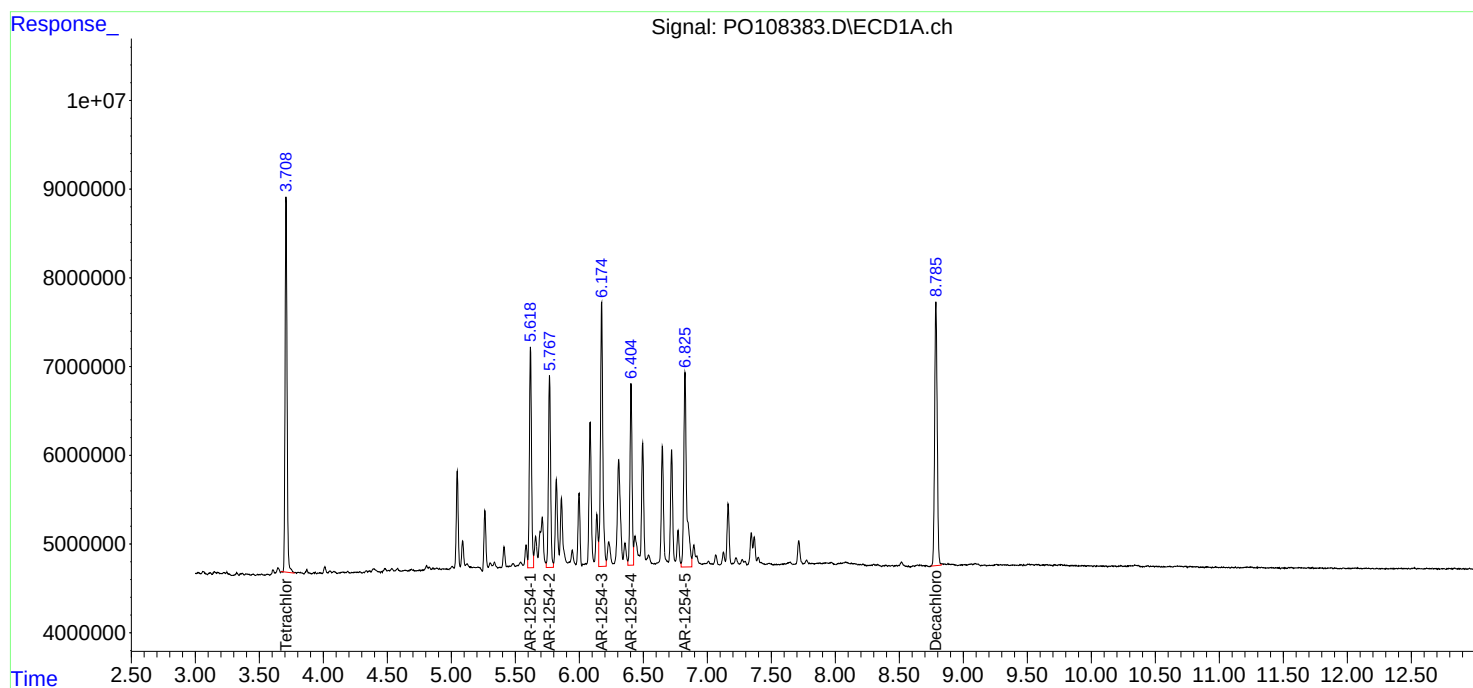
Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

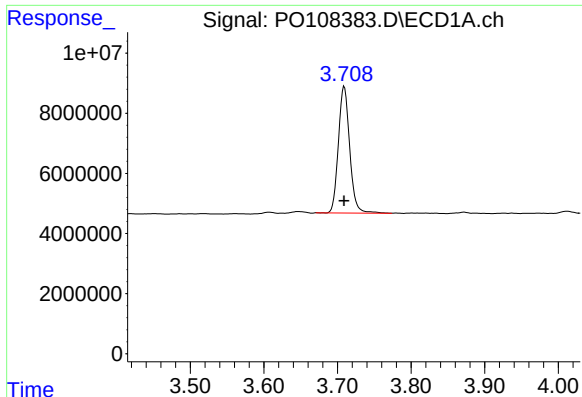
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 04:55:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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





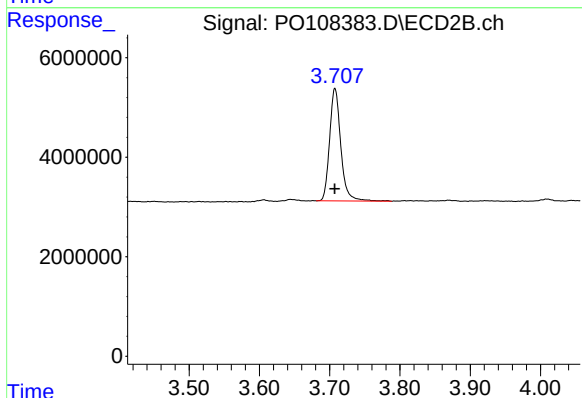
#1 Tetrachloro-m-xylene

R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 44979145
Conc: 4.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

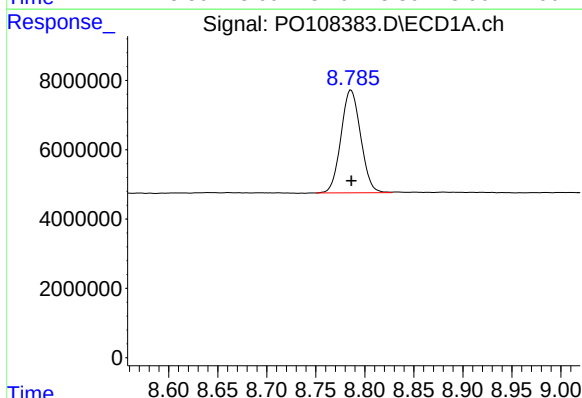
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



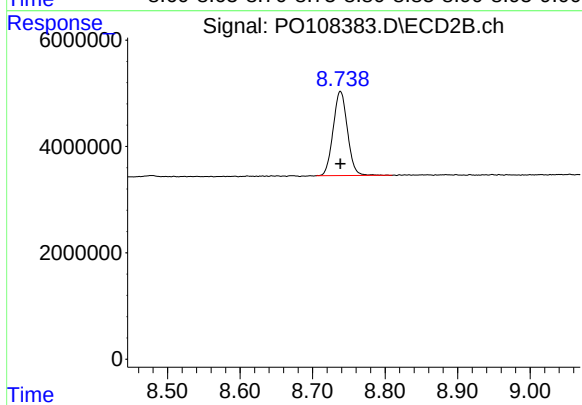
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 24991936
Conc: 4.66 ng/ml



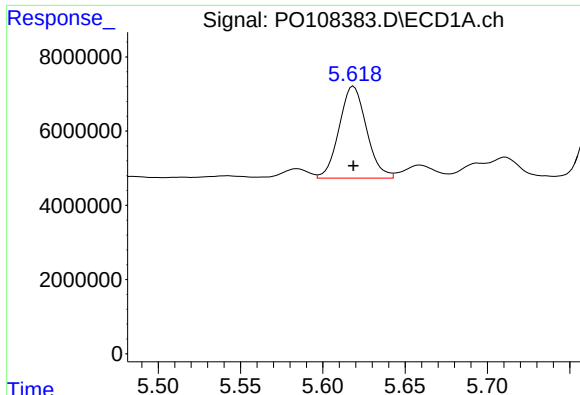
#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 41446440
Conc: 5.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 21658098
Conc: 5.09 ng/ml



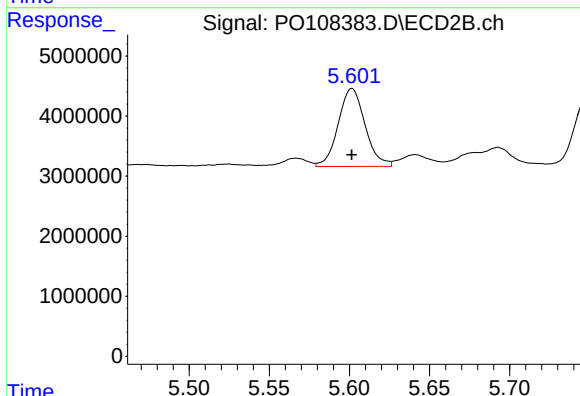
#26 AR-1254-1

R.T.: 5.618 min
Delta R.T.: 0.000 min
Response: 28602032
Conc: 55.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

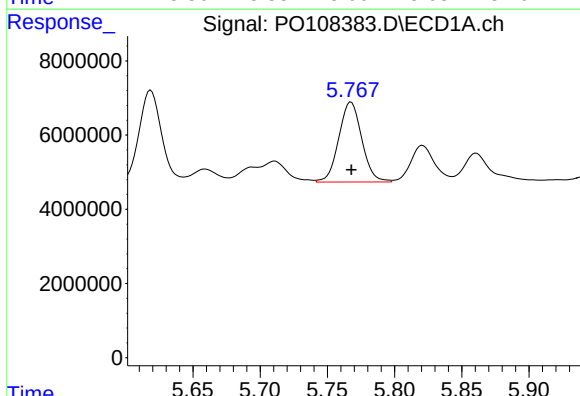
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



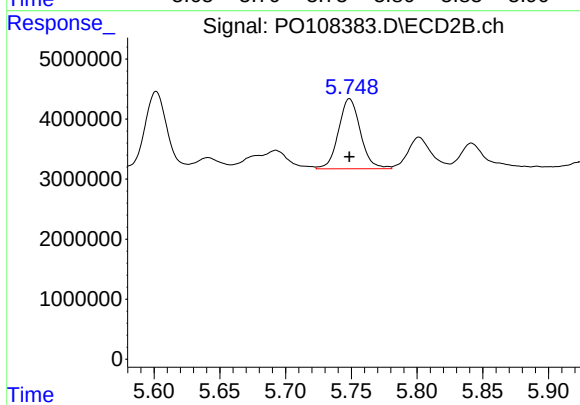
#26 AR-1254-1

R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 15172054
Conc: 56.35 ng/ml



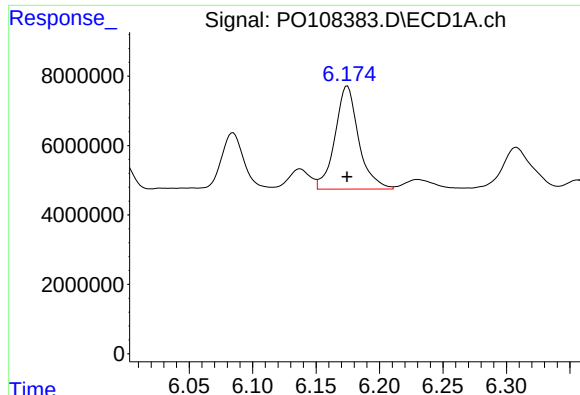
#27 AR-1254-2

R.T.: 5.767 min
Delta R.T.: 0.000 min
Response: 25591845
Conc: 56.51 ng/ml m



#27 AR-1254-2

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 13582944
Conc: 56.89 ng/ml



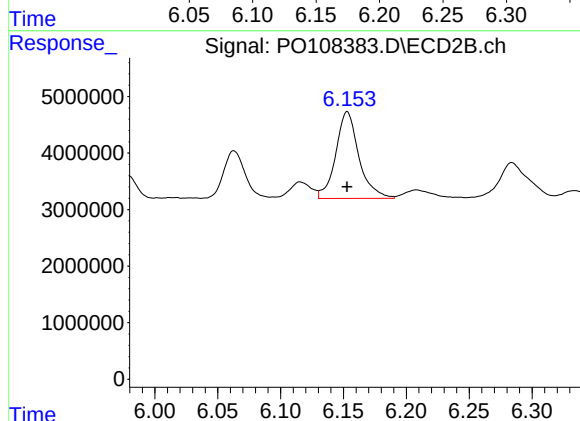
#28 AR-1254-3

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 38497674
Conc: 52.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

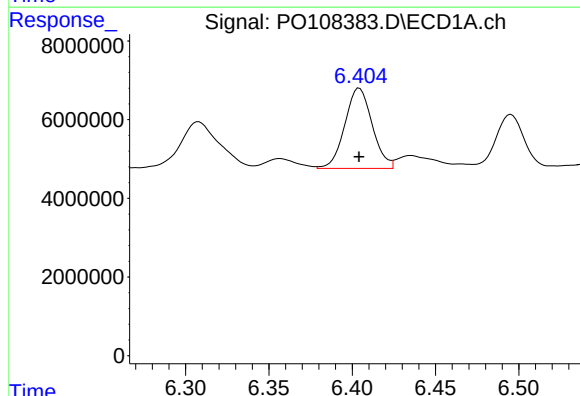
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



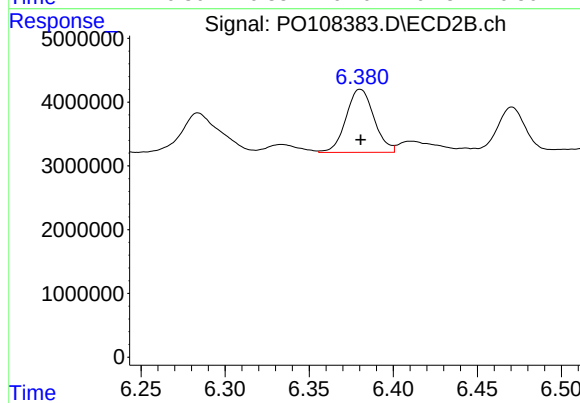
#28 AR-1254-3

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 19696275
Conc: 51.77 ng/ml



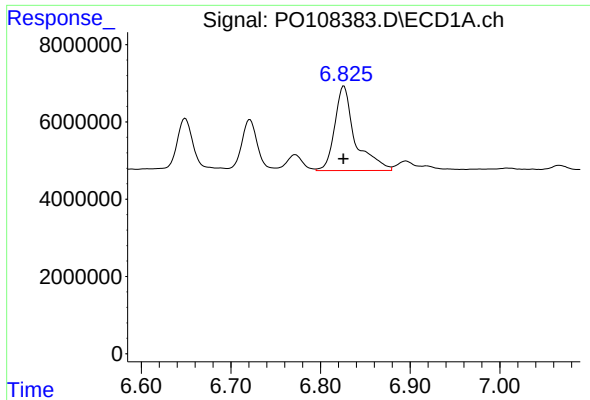
#29 AR-1254-4

R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 23289470
Conc: 52.42 ng/ml m



#29 AR-1254-4

R.T.: 6.380 min
Delta R.T.: 0.000 min
Response: 11443812
Conc: 51.90 ng/ml



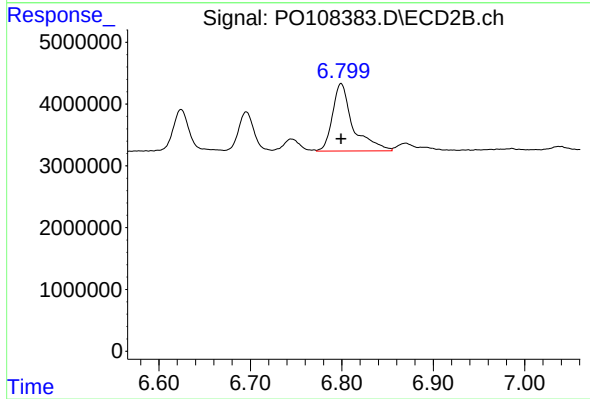
#30 AR-1254-5

R.T.: 6.826 min
Delta R.T.: 0.000 min
Response: 34671057
Conc: 54.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/09/2024
Supervised By :Ankita Jodhani 12/09/2024



#30 AR-1254-5

R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 16988687
Conc: 51.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:03
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: Dec 07 05:34:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:33:35 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...	3.709	3.708	464.9E6	262.4E6	50.000	50.000
2) SA Decachlor...	8.786	8.739	386.0E6	210.6E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	6.865	6.840	329.2E6	169.0E6	500.000	500.000
37) L8 AR-1262-2	7.367	7.338	555.9E6	285.9E6	500.000	500.000
38) L8 AR-1262-3	7.654	7.624	218.4E6	112.2E6	500.000	500.000
39) L8 AR-1262-4	7.717	7.686	403.1E6	204.8E6	500.000	500.000
40) L8 AR-1262-5	8.216	8.180	177.5E6	92414014	500.000	500.000

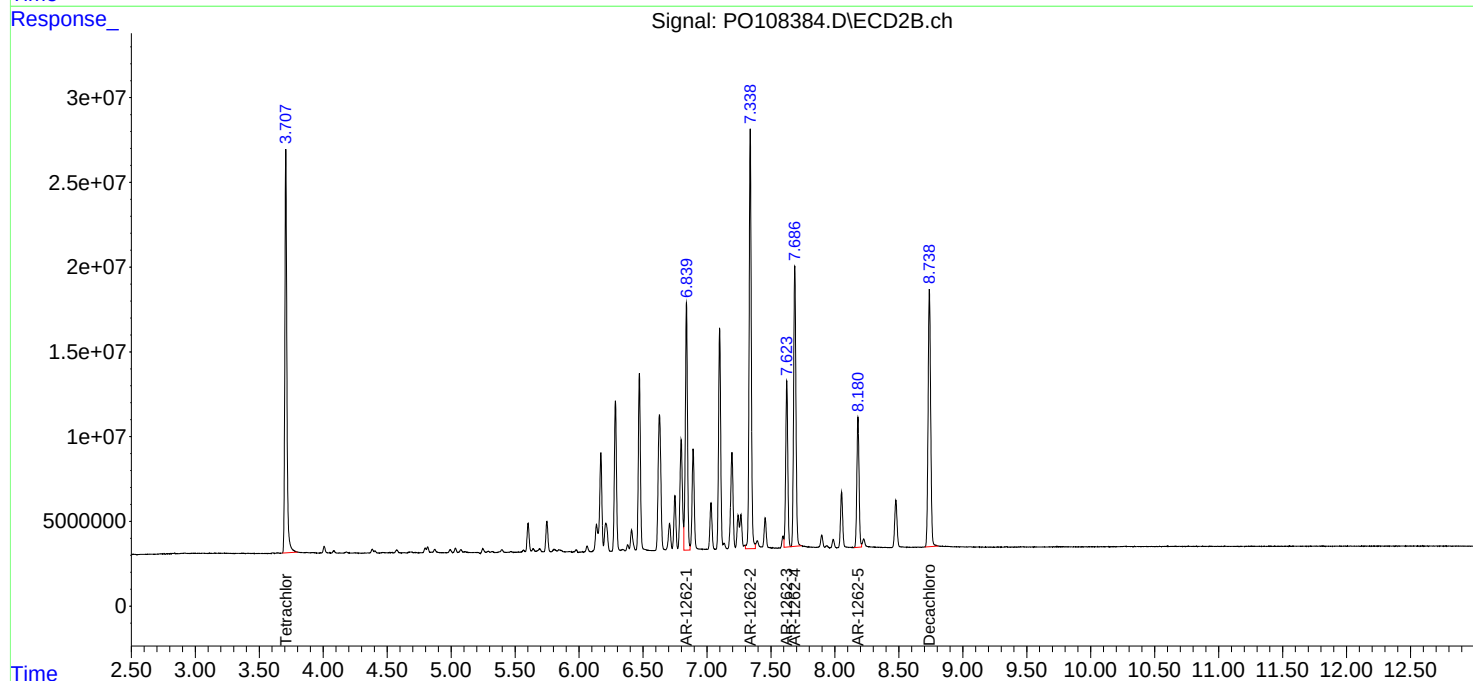
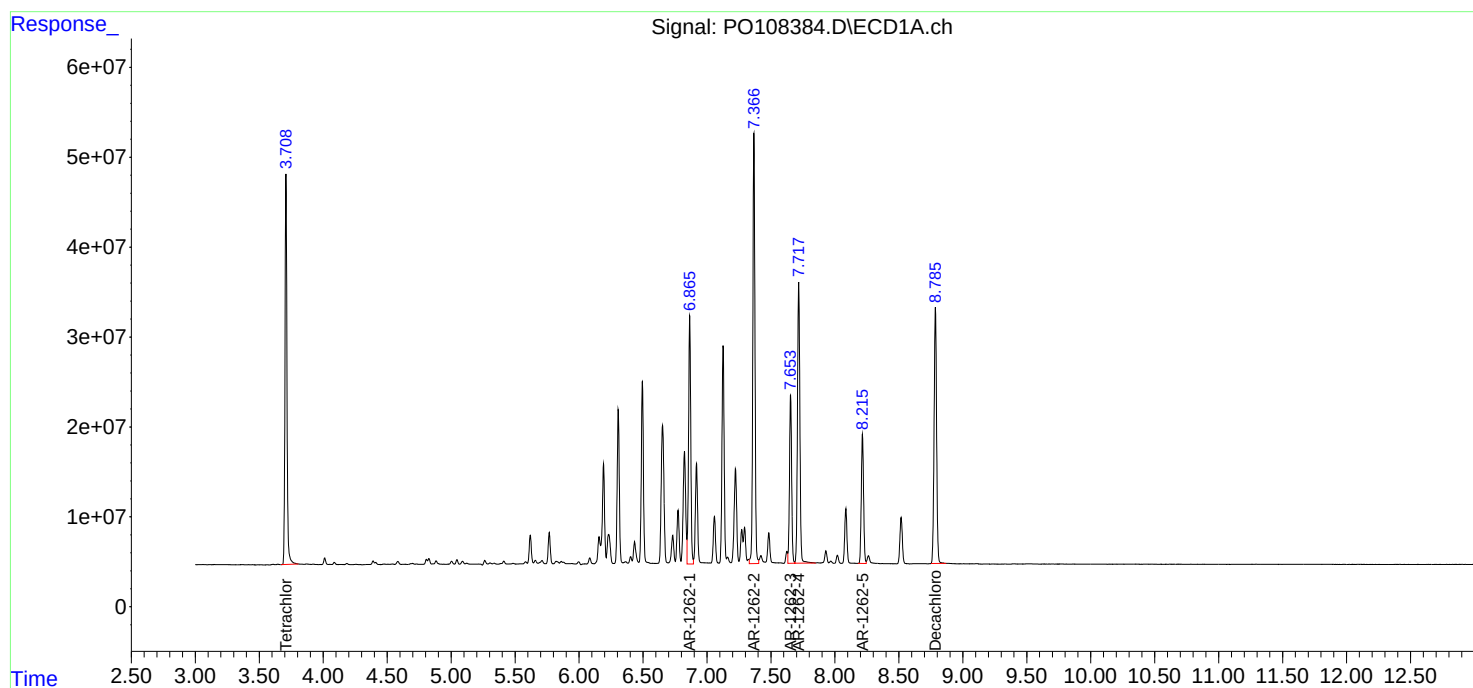
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

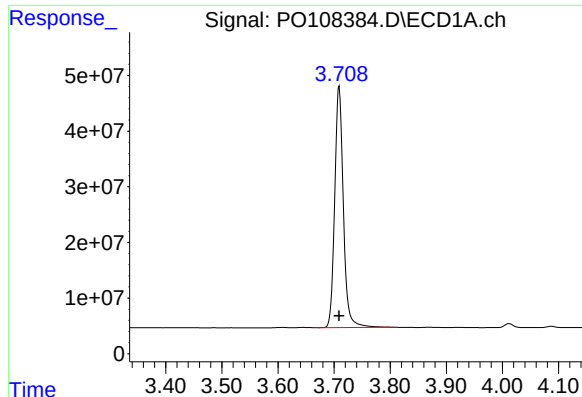
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:03
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:34:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:33:35 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

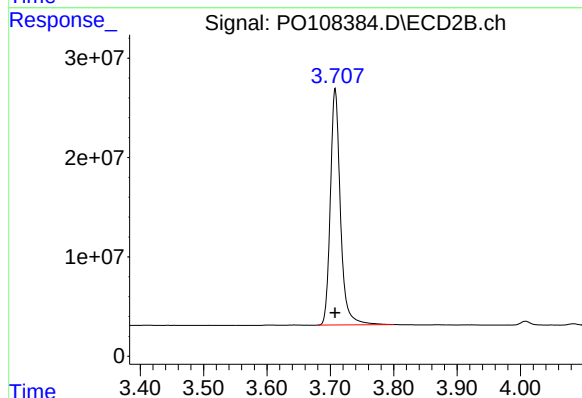




#1 Tetrachloro-m-xylene

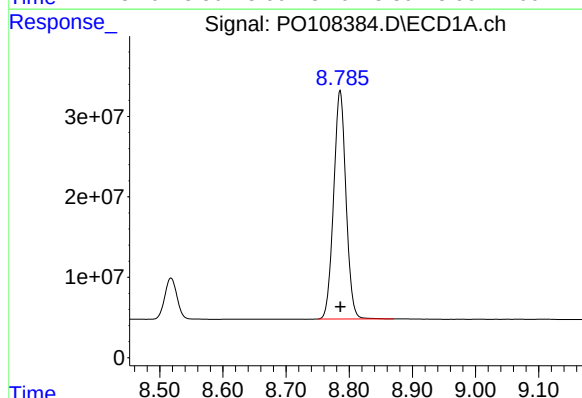
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 464863311
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



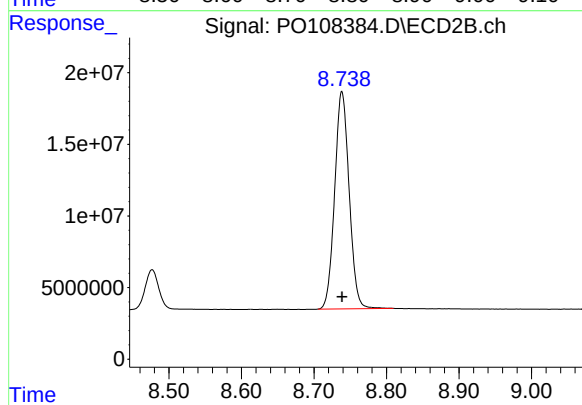
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 262368057
Conc: 50.00 ng/ml



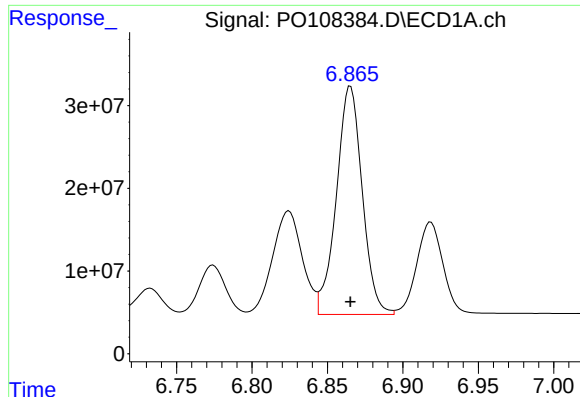
#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 386015364
Conc: 50.00 ng/ml



#2 Decachlorobiphenyl

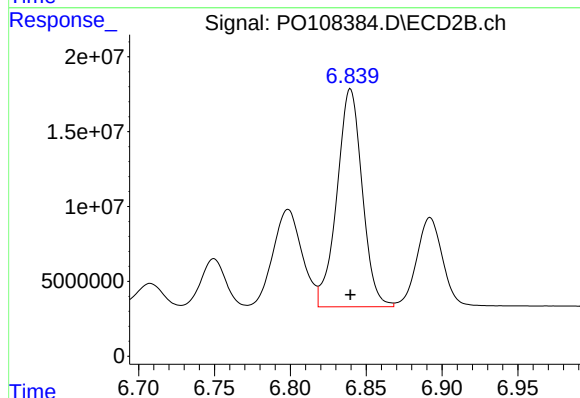
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 210636841
Conc: 50.00 ng/ml



#36 AR-1262-1

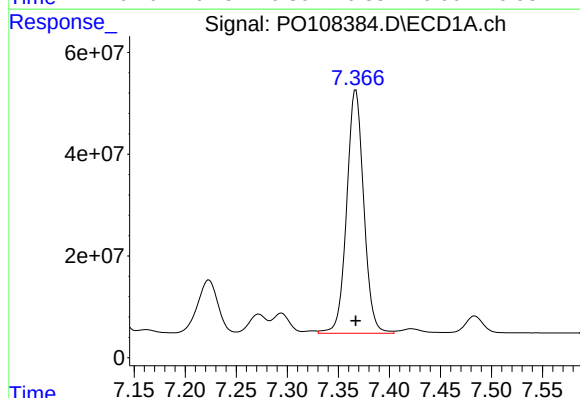
R.T.: 6.865 min
Delta R.T.: 0.000 min
Response: 329197710
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



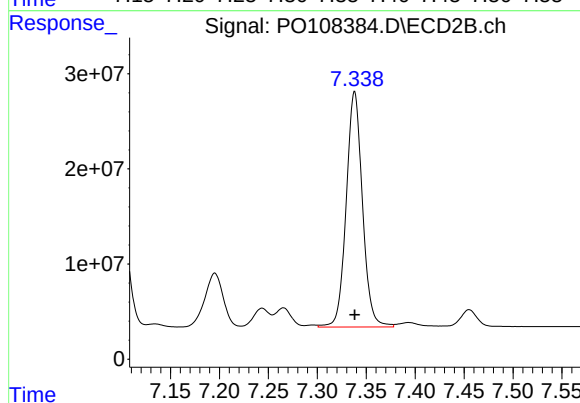
#36 AR-1262-1

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 168987364
Conc: 500.00 ng/ml



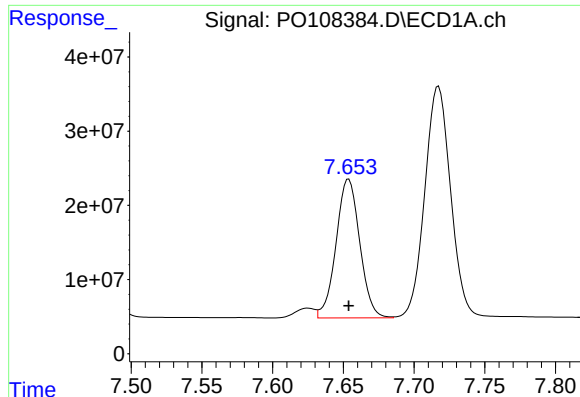
#37 AR-1262-2

R.T.: 7.367 min
Delta R.T.: 0.000 min
Response: 555852664
Conc: 500.00 ng/ml



#37 AR-1262-2

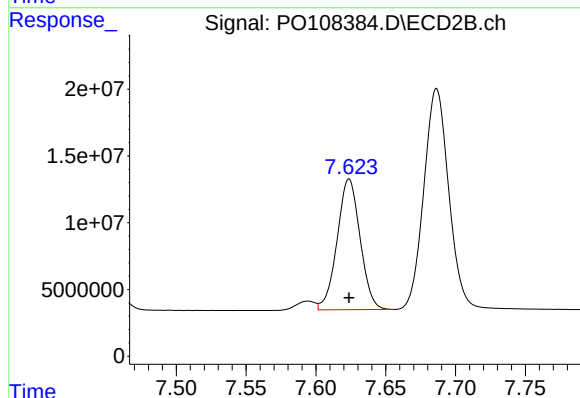
R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 285927422
Conc: 500.00 ng/ml



#38 AR-1262-3

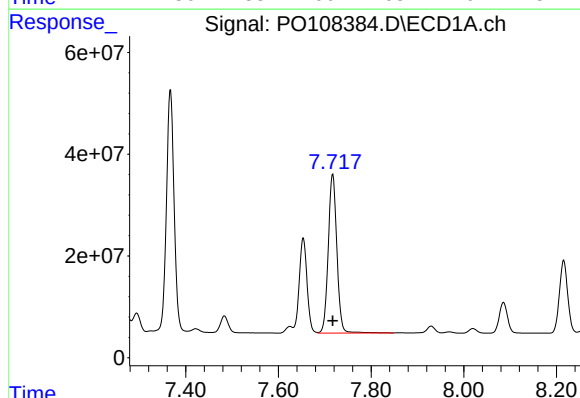
R.T.: 7.654 min
Delta R.T.: 0.000 min
Response: 218427653
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



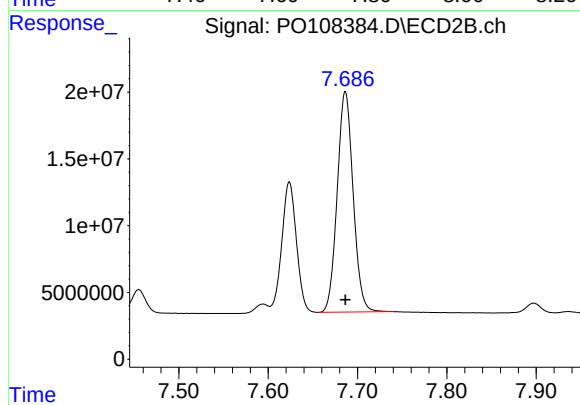
#38 AR-1262-3

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 112213561
Conc: 500.00 ng/ml



#39 AR-1262-4

R.T.: 7.717 min
Delta R.T.: 0.000 min
Response: 403149031
Conc: 500.00 ng/ml



#39 AR-1262-4

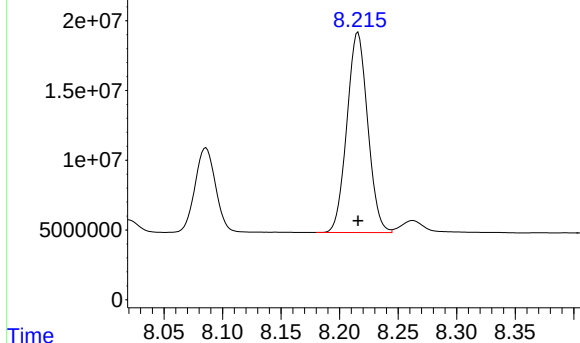
R.T.: 7.686 min
Delta R.T.: 0.000 min
Response: 204794023
Conc: 500.00 ng/ml

Response_

Signal: PO108384.D\ECD1A.ch

#40 AR-1262-5

ICAL Form



R.T.: 8.216 min
Delta R.T.: 0.000 min
Response: 177467775
Conc: 500.00 ng/ml

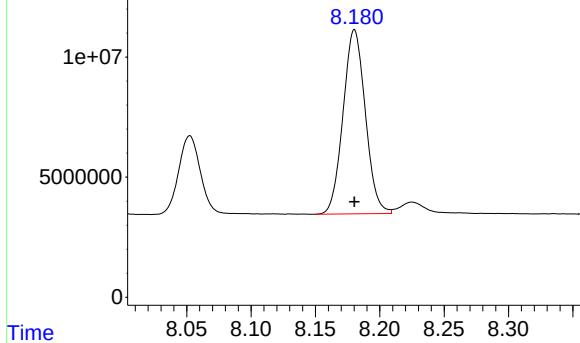
Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

Time

Response_

Signal: PO108384.D\ECD2B.ch

#40 AR-1262-5



R.T.: 8.180 min
Delta R.T.: 0.000 min
Response: 92414014
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:21
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: Dec 07 05:38:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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...	3.708	3.707	944.0E6	535.4E6	100.787	101.787
2) SA Decachlor...	8.785	8.738	1311.6E6	721.6E6	101.008	101.029
Target Compounds						
41) L9 AR-1268-1	7.653	7.623	1246.1E6	656.7E6	1009.703	1016.722
42) L9 AR-1268-2	7.718	7.688	1144.2E6	598.9E6	1028.743	1029.699
43) L9 AR-1268-3	7.929	7.898	941.0E6	514.1E6	1023.522	1023.269
44) L9 AR-1268-4	8.215	8.180	385.9E6	204.5E6	1004.849	1009.851
45) L9 AR-1268-5	8.517	8.477	2890.0E6	1554.5E6	1041.955	1041.780

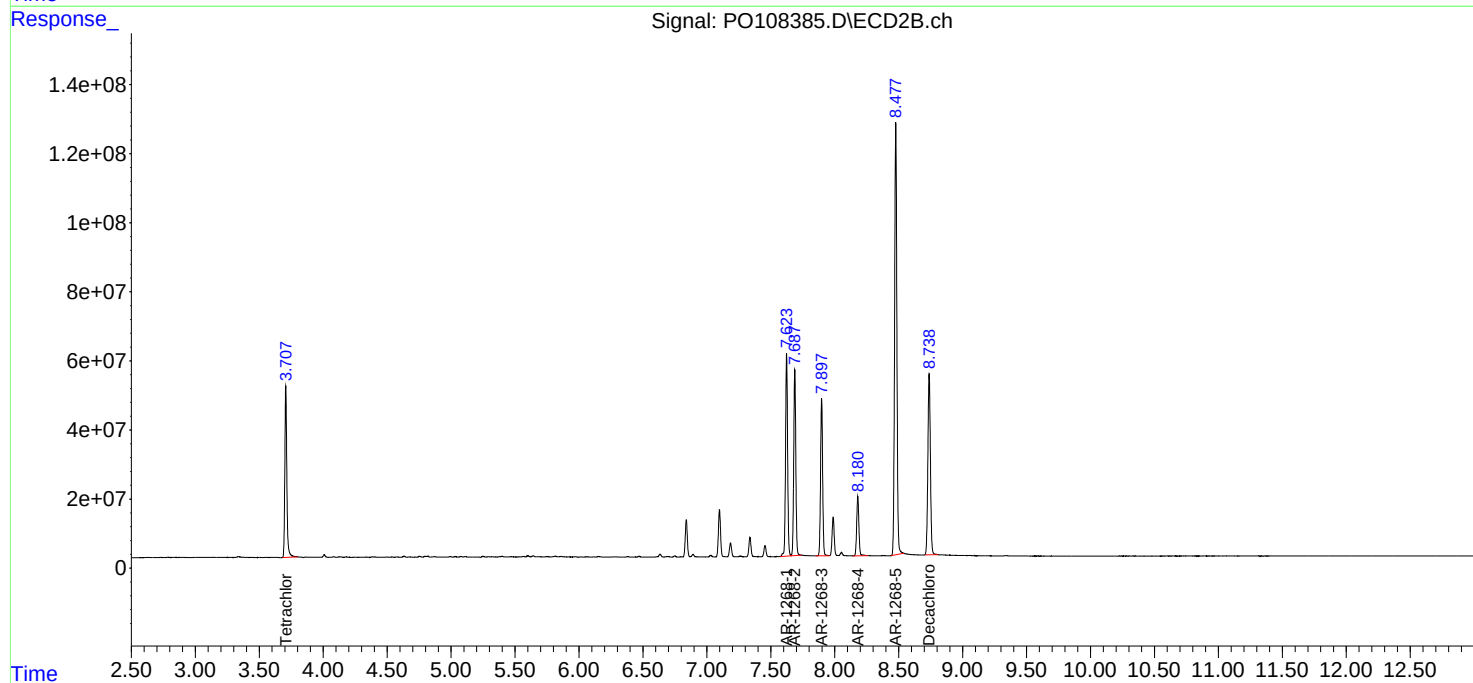
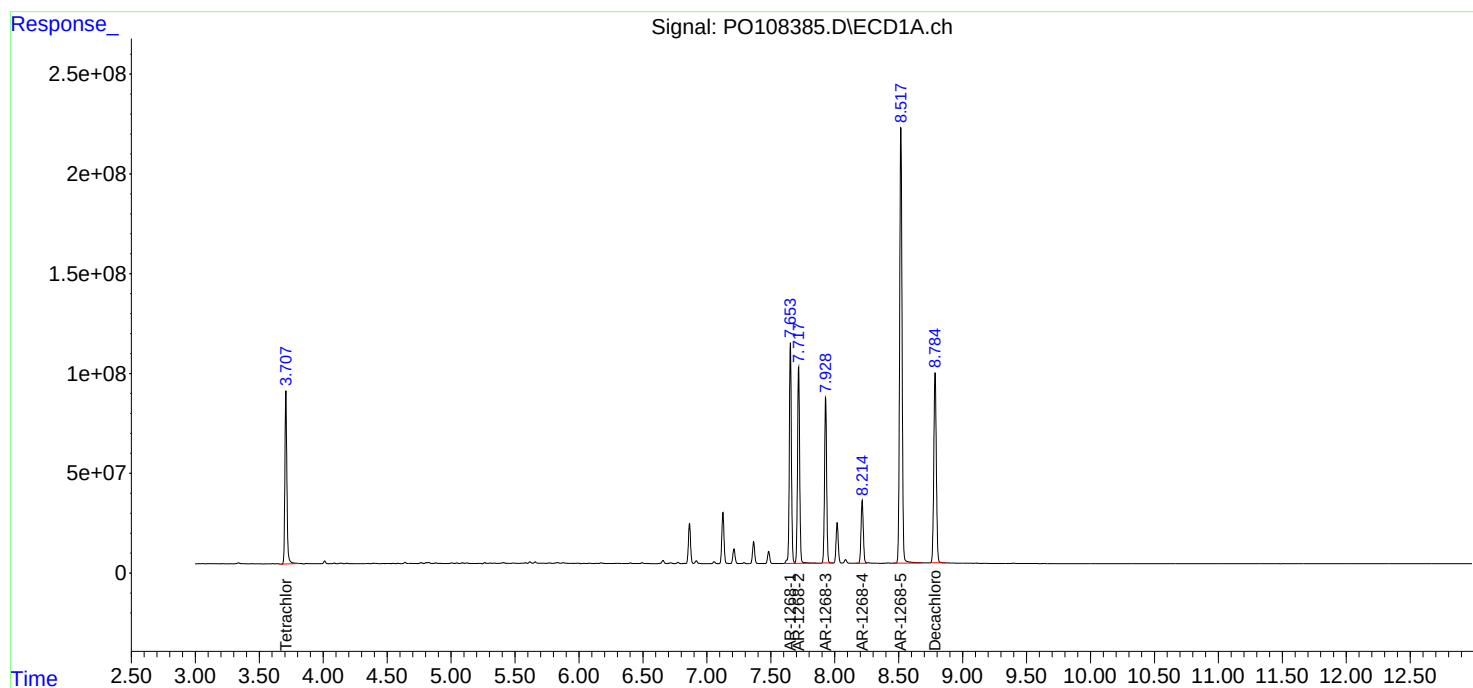
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108385.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:21
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

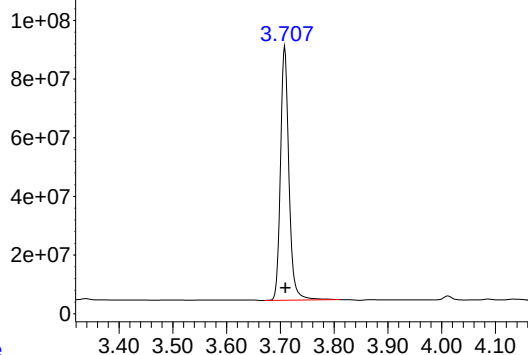
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:38:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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: PO108385.D\ECD1A.ch

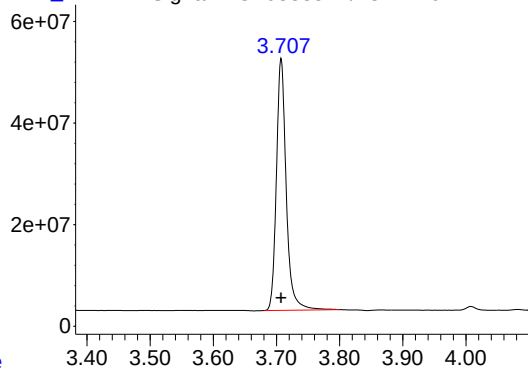


#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 943992460
Conc: 100.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

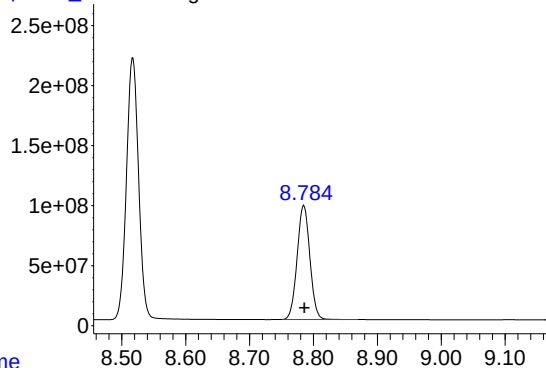
Time Response_ Signal: PO108385.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: 0.000 min
Response: 535375774
Conc: 101.79 ng/ml

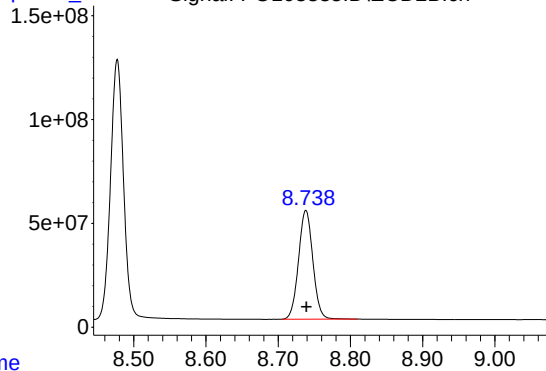
Time Response_ Signal: PO108385.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 1311605452
Conc: 101.01 ng/ml

Time Response_ Signal: PO108385.D\ECD2B.ch



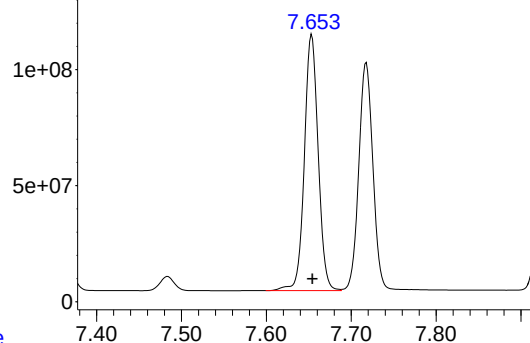
#2 Decachlorobiphenyl

R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 721632730
Conc: 101.03 ng/ml

Response_

Signal: PO108385.D\ECD1A.ch

#41 AR-1268-1



R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 1246089127
Conc: 1009.70 ng/ml

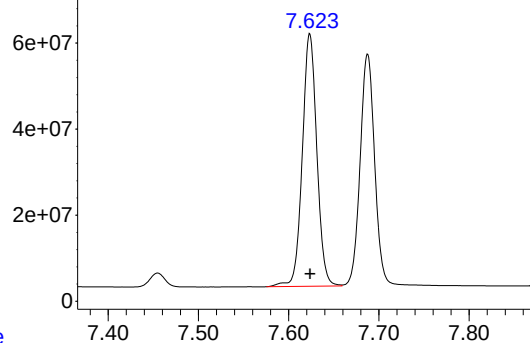
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Time

Response_

Signal: PO108385.D\ECD2B.ch

#41 AR-1268-1



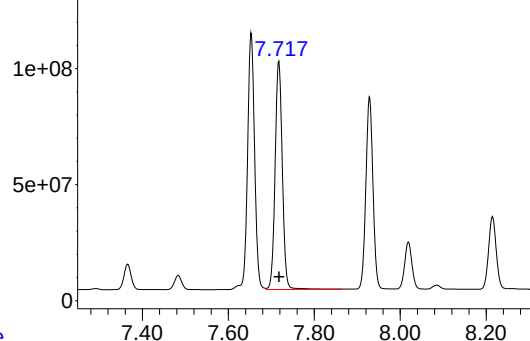
R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 656711077
Conc: 1016.72 ng/ml

Time

Response_

Signal: PO108385.D\ECD1A.ch

#42 AR-1268-2



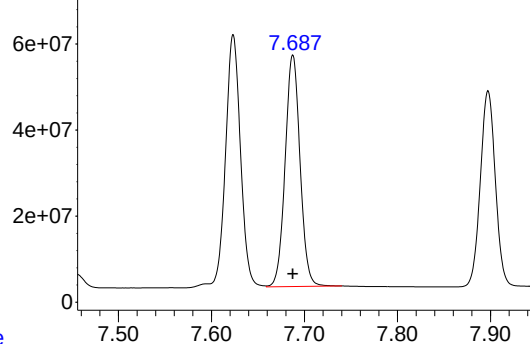
R.T.: 7.718 min
Delta R.T.: 0.000 min
Response: 1144198522
Conc: 1028.74 ng/ml

Time

Response_

Signal: PO108385.D\ECD2B.ch

#42 AR-1268-2

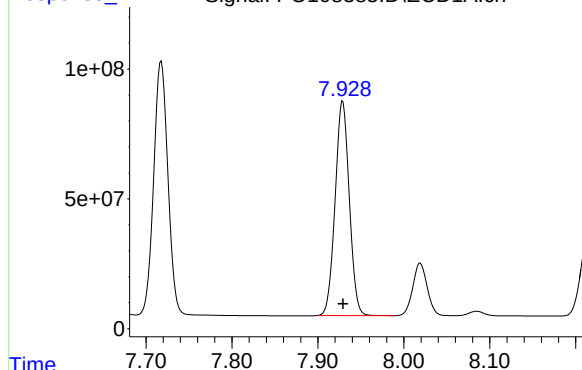


R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 598855523
Conc: 1029.70 ng/ml

Time

Response_ Signal: PO108385.D\ECD1A.ch

#43 AR-1268-3

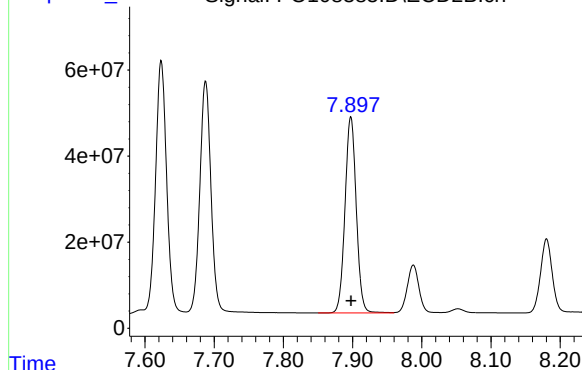


R.T.: 7.929 min
Delta R.T.: 0.000 min
Response: 940965396
Conc: 1023.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Time Response_ Signal: PO108385.D\ECD2B.ch

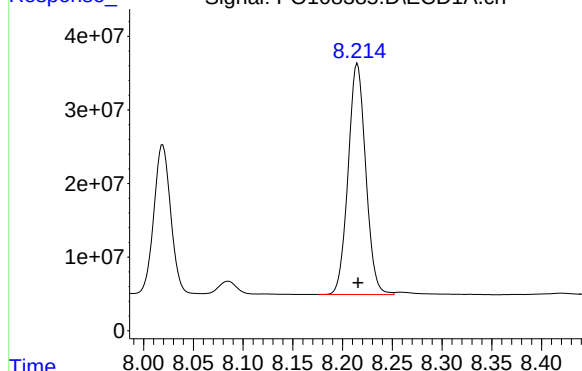
#43 AR-1268-3



R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 514109640
Conc: 1023.27 ng/ml

Time Response_ Signal: PO108385.D\ECD1A.ch

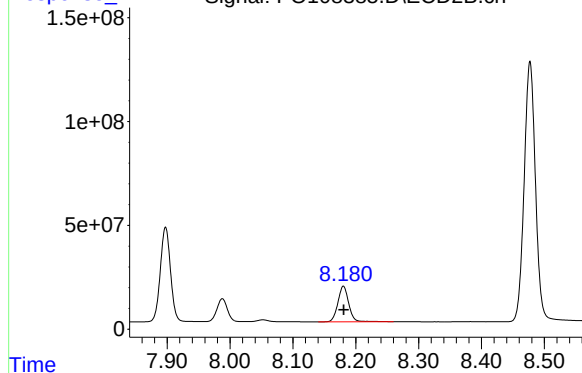
#44 AR-1268-4



R.T.: 8.215 min
Delta R.T.: 0.000 min
Response: 385949324
Conc: 1004.85 ng/ml

Time Response_ Signal: PO108385.D\ECD2B.ch

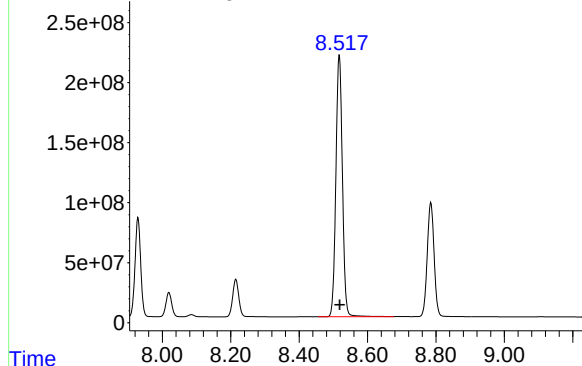
#44 AR-1268-4



R.T.: 8.180 min
Delta R.T.: 0.000 min
Response: 204541613
Conc: 1009.85 ng/ml

Response_ Signal: PO108385.D\ECD1A.ch

#45 AR-1268-5

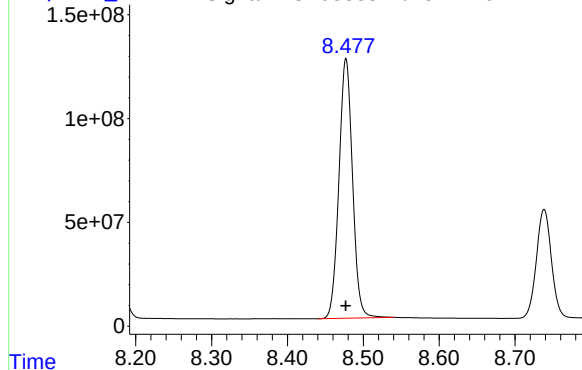


R.T.: 8.517 min
Delta R.T.: -0.001 min
Response: 2890019913
Conc: 1041.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Time Response_ Signal: PO108385.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min
Delta R.T.: 0.000 min
Response: 1554458685
Conc: 1041.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:39
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: Dec 07 05:38:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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...	3.709	3.708	669.5E6	379.5E6	71.476	72.154
2) SA Decachlor...	8.785	8.737	951.4E6	522.4E6	73.266	73.130
Target Compounds						
41) L9 AR-1268-1	7.654	7.624	898.9E6	471.8E6	728.384	730.420
42) L9 AR-1268-2	7.719	7.686	816.4E6	430.2E6	734.013	739.705
43) L9 AR-1268-3	7.930	7.897	624.3E6	355.3E6	679.030	707.248
44) L9 AR-1268-4	8.217	8.180	277.7E6	146.2E6	723.017	721.624
45) L9 AR-1268-5	8.519	8.477	2067.2E6	1116.5E6	745.303	748.294

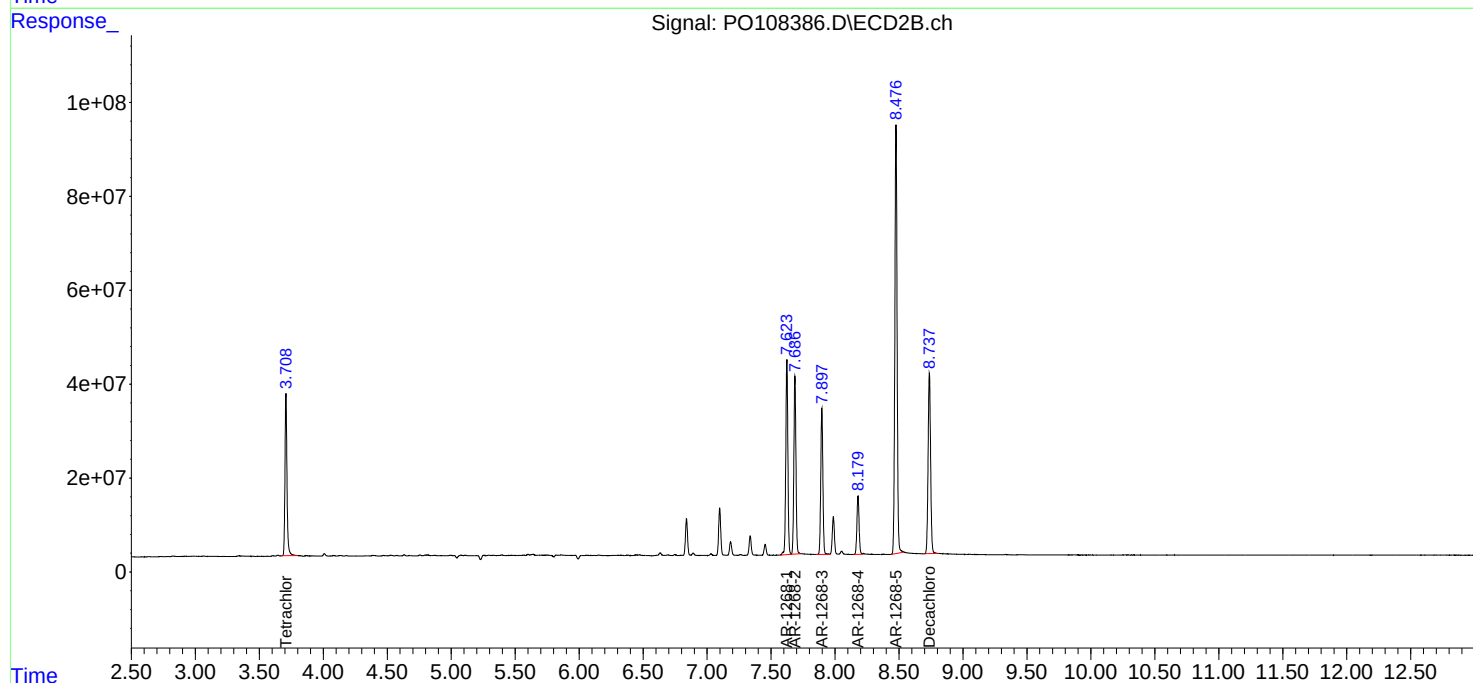
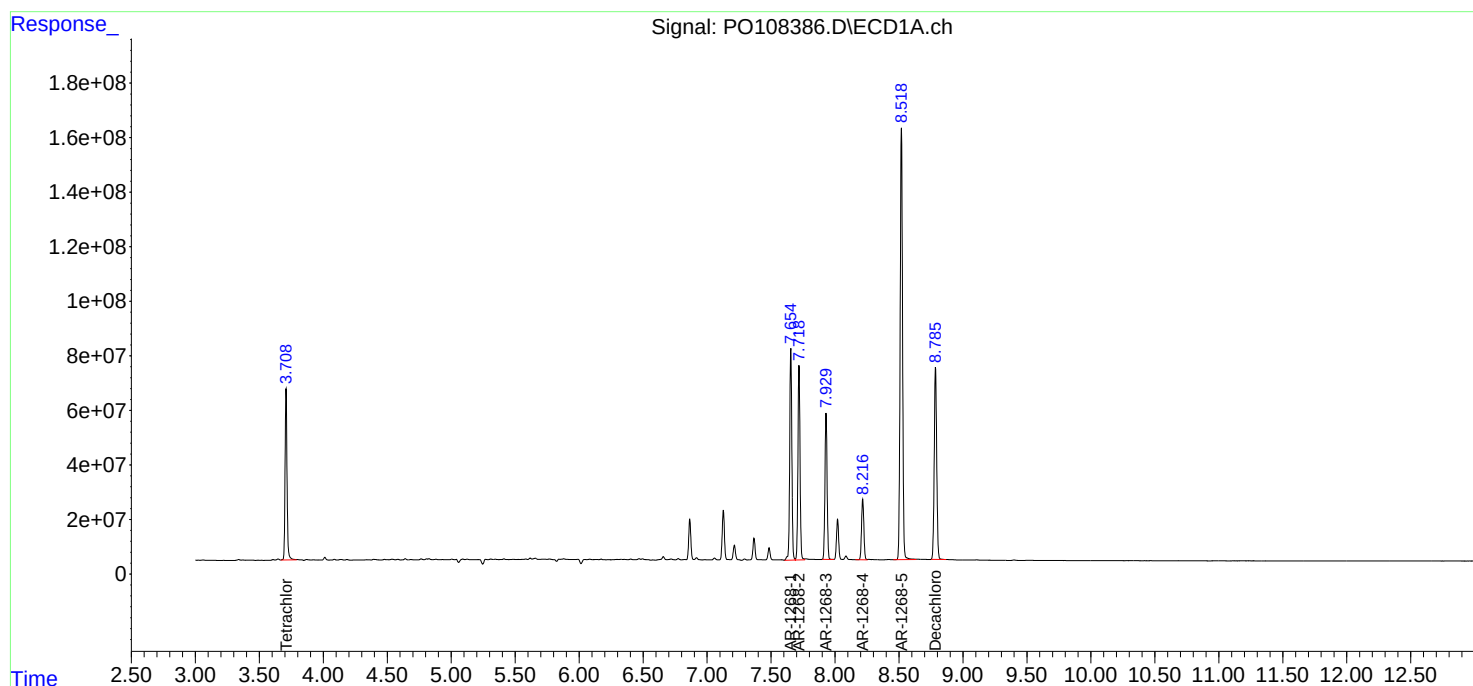
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

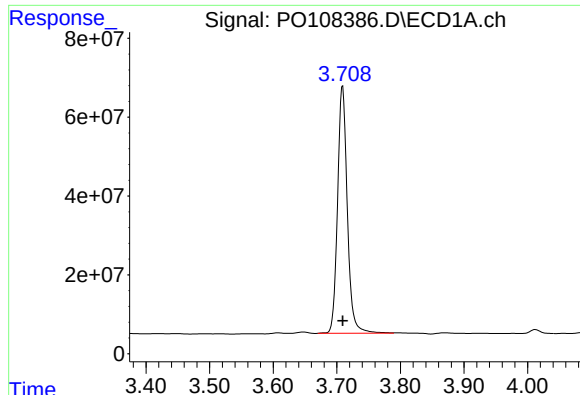
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:39
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:38:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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

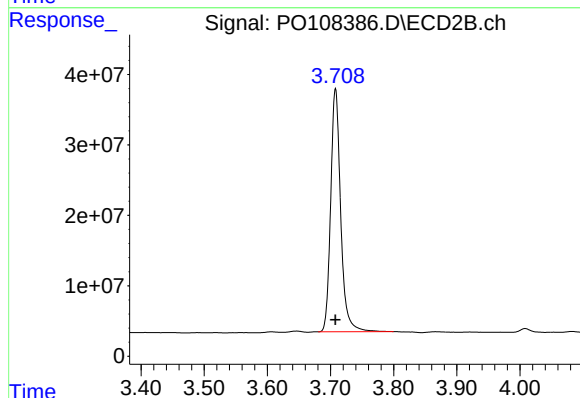




#1 Tetrachloro-m-xylene

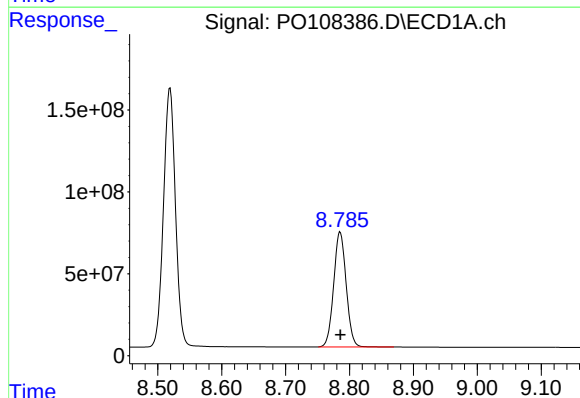
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 669456383
Conc: 71.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



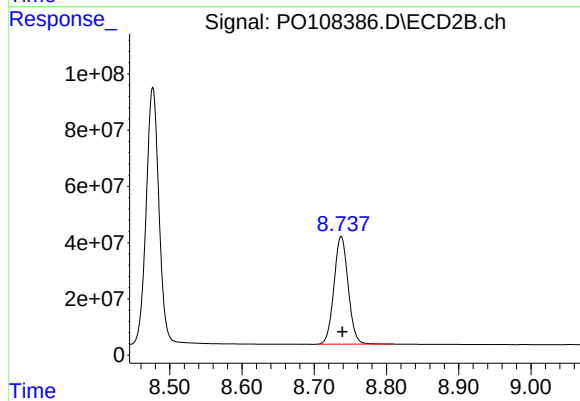
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 379513196
Conc: 72.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 951369628
Conc: 73.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.737 min
Delta R.T.: -0.002 min
Response: 522354228
Conc: 73.13 ng/ml

Response_

Signal: PO108386.D\ECD1A.ch

#41 AR-1268-1

R.T.: 7.654 min
Delta R.T.: 0.000 min
Response: 898909093
Conc: 728.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Time

Response_

Signal: PO108386.D\ECD2B.ch

#41 AR-1268-1

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 471785666
Conc: 730.42 ng/ml

Time

Response_

Signal: PO108386.D\ECD1A.ch

#42 AR-1268-2

R.T.: 7.719 min
Delta R.T.: 0.000 min
Response: 816390694
Conc: 734.01 ng/ml

Time

Response_

Signal: PO108386.D\ECD2B.ch

#42 AR-1268-2

R.T.: 7.686 min
Delta R.T.: 0.000 min
Response: 430199750
Conc: 739.70 ng/ml

Time

Response_ Signal: PO108386.D\ECD1A.ch

#43 AR-1268-3

R.T.: 7.930 min
Delta R.T.: 0.000 min
Response: 624259833
Conc: 679.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Time

Response_ Signal: PO108386.D\ECD2B.ch

#43 AR-1268-3

R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 355334791
Conc: 707.25 ng/ml

Time

Response_ Signal: PO108386.D\ECD1A.ch

#44 AR-1268-4

R.T.: 8.217 min
Delta R.T.: 0.000 min
Response: 277701172
Conc: 723.02 ng/ml

Time

Response_ Signal: PO108386.D\ECD2B.ch

#44 AR-1268-4

R.T.: 8.180 min
Delta R.T.: -0.001 min
Response: 146162180
Conc: 721.62 ng/ml

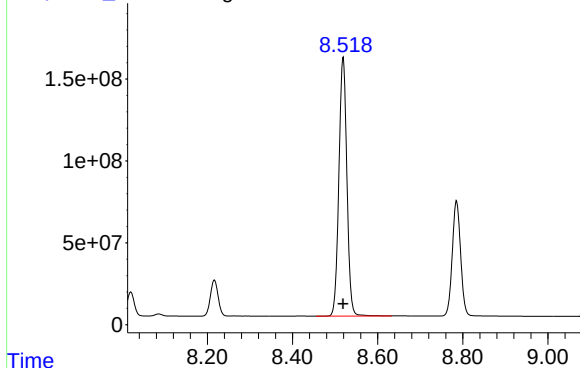
Time

Response_

Signal: PO108386.D\ECD1A.ch

#45 AR-1268-5

ICAL Form



R.T.: 8.519 min
Delta R.T.: 0.000 min
Response: 2067211896
Conc: 745.30 ng/ml

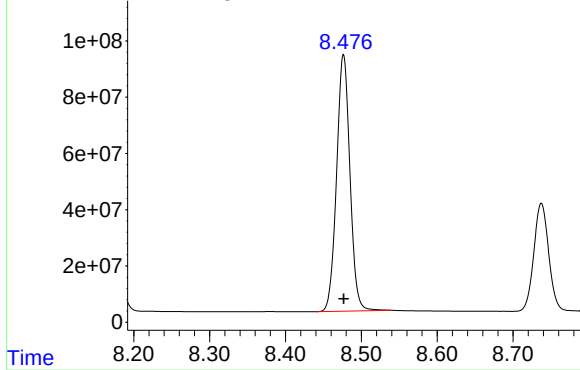
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

Time

Response_

Signal: PO108386.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min
Delta R.T.: 0.000 min
Response: 1116543679
Conc: 748.29 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:58
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: Dec 07 05:38:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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...	3.709	3.708	468.3E6	263.0E6	50.000	50.000
2) SA Decachlor...	8.786	8.739	649.3E6	357.1E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	7.654	7.624	617.1E6	323.0E6	500.000	500.000
42) L9 AR-1268-2	7.718	7.687	556.1E6	290.8E6	500.000	500.000
43) L9 AR-1268-3	7.929	7.898	459.7E6	251.2E6	500.000	500.000
44) L9 AR-1268-4	8.216	8.181	192.0E6	101.3E6	500.000	500.000
45) L9 AR-1268-5	8.519	8.477	1386.8E6	746.1E6	500.000	500.000

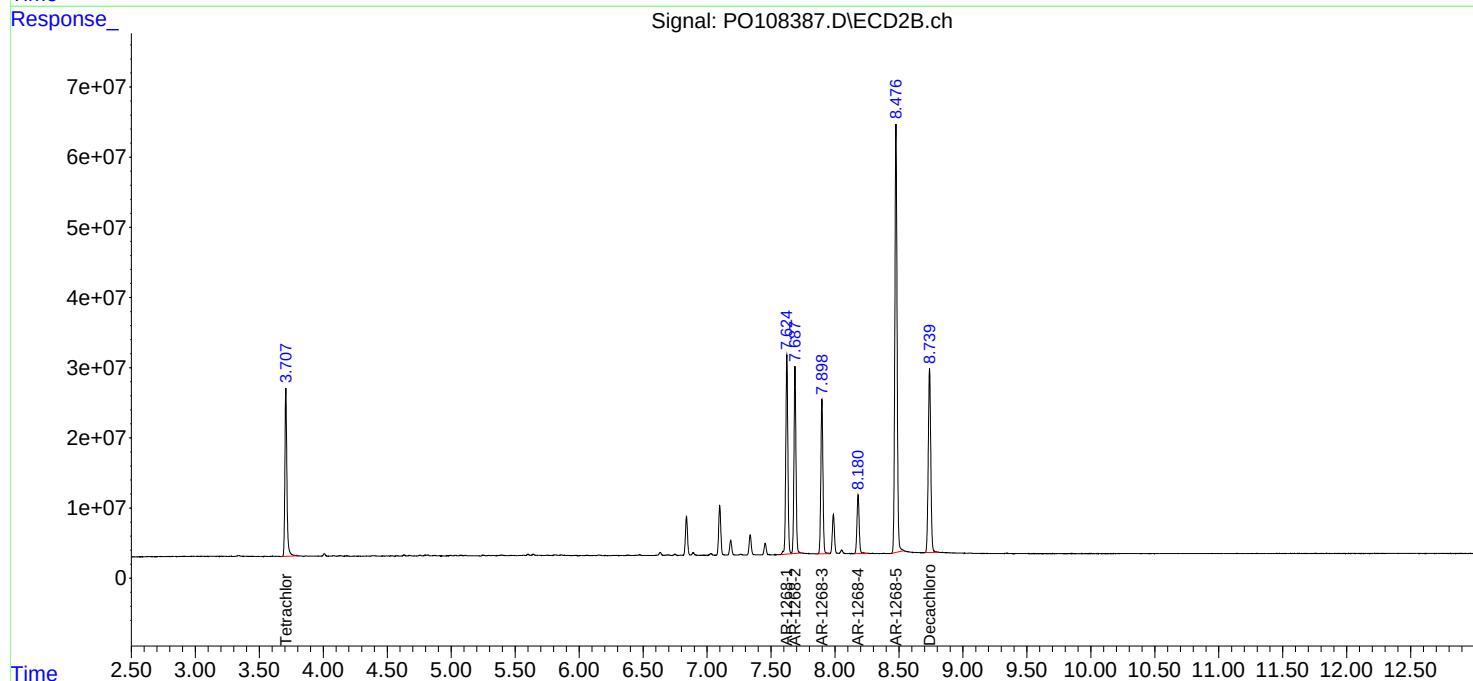
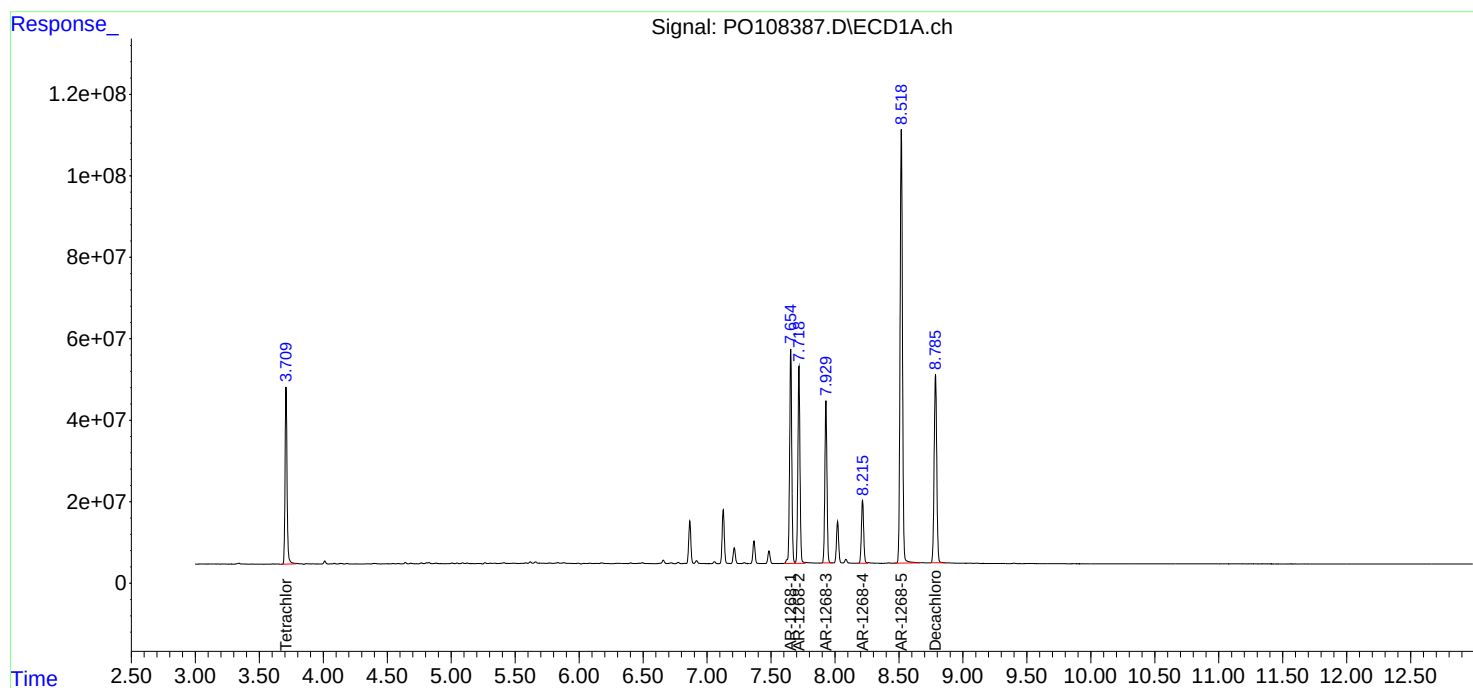
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

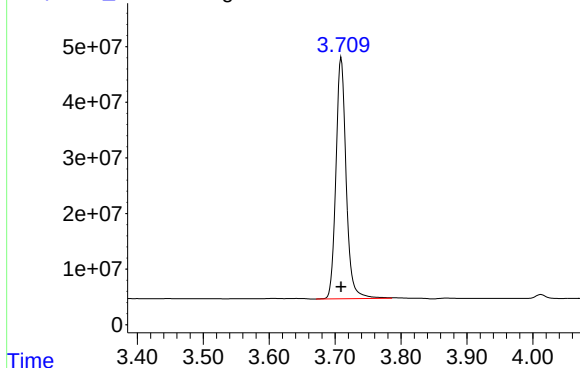
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108387.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:58
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:38:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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





R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 468311001
Conc: 50.00 ng/ml

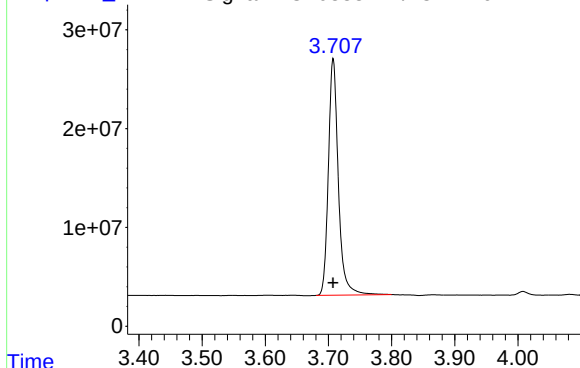
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PO108387.D\ECD2B.ch

#1 Tetrachloro-m-xylene



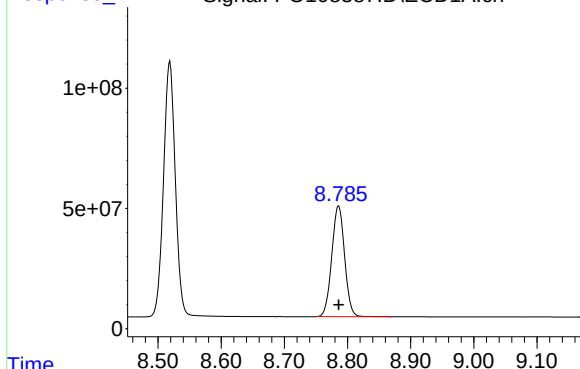
R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 262989420
Conc: 50.00 ng/ml

Time

Response_

Signal: PO108387.D\ECD1A.ch

#2 Decachlorobiphenyl



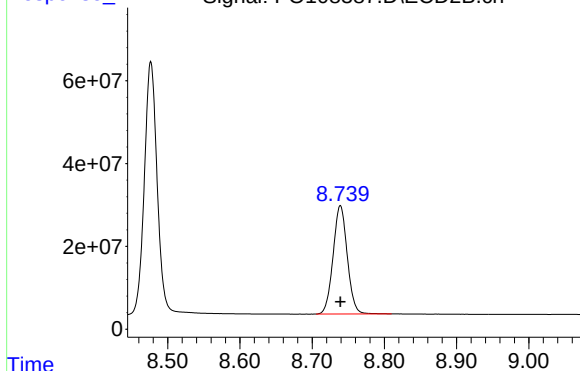
R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 649260310
Conc: 50.00 ng/ml

Time

Response_

Signal: PO108387.D\ECD2B.ch

#2 Decachlorobiphenyl



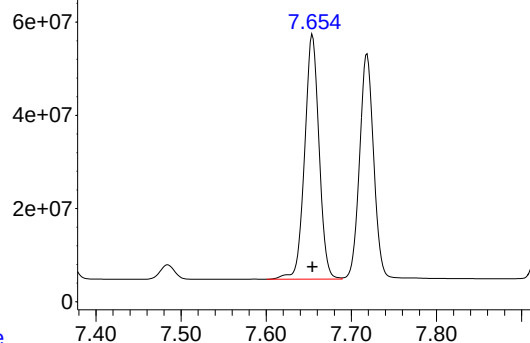
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 357140184
Conc: 50.00 ng/ml

Time

Response_

Signal: PO108387.D\ECD1A.ch

#41 AR-1268-1



R.T.: 7.654 min
Delta R.T.: 0.000 min
Response: 617057217
Conc: 500.00 ng/ml

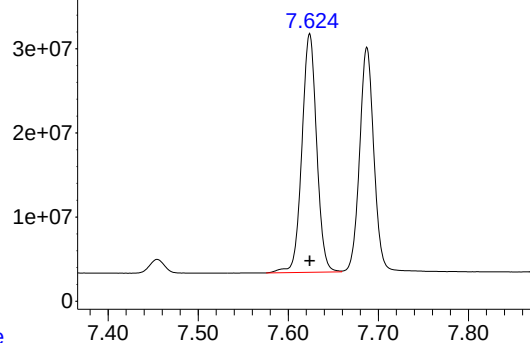
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PO108387.D\ECD2B.ch

#41 AR-1268-1



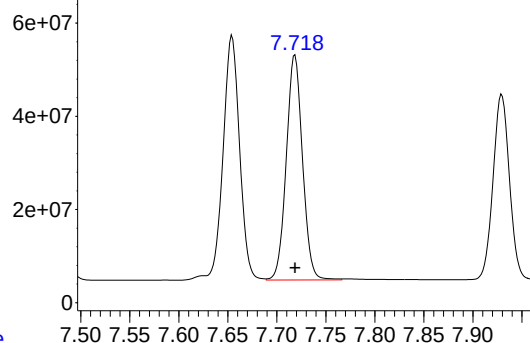
R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 322954995
Conc: 500.00 ng/ml

Time

Response_

Signal: PO108387.D\ECD1A.ch

#42 AR-1268-2



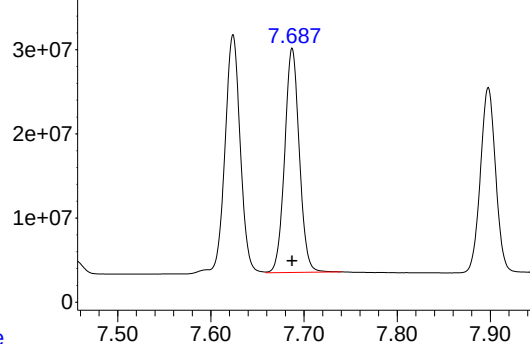
R.T.: 7.718 min
Delta R.T.: 0.000 min
Response: 556114731
Conc: 500.00 ng/ml

Time

Response_

Signal: PO108387.D\ECD2B.ch

#42 AR-1268-2

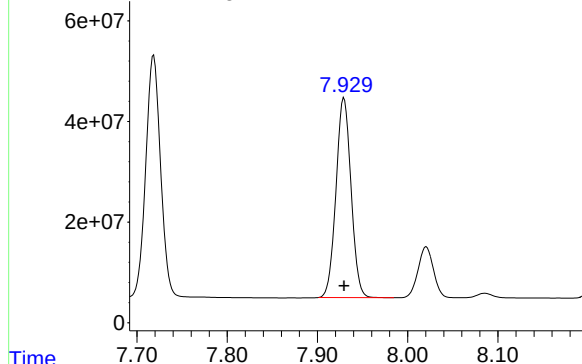


R.T.: 7.687 min
Delta R.T.: 0.000 min
Response: 290791613
Conc: 500.00 ng/ml

Time

Response_ Signal: PO108387.D\ECD1A.ch

#43 AR-1268-3

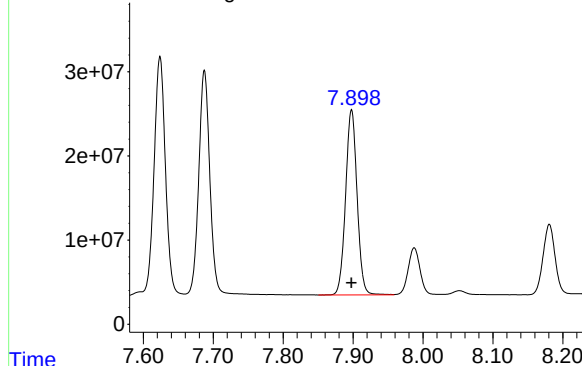


R.T.: 7.929 min
Delta R.T.: 0.000 min
Response: 459670374
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Response_ Signal: PO108387.D\ECD2B.ch

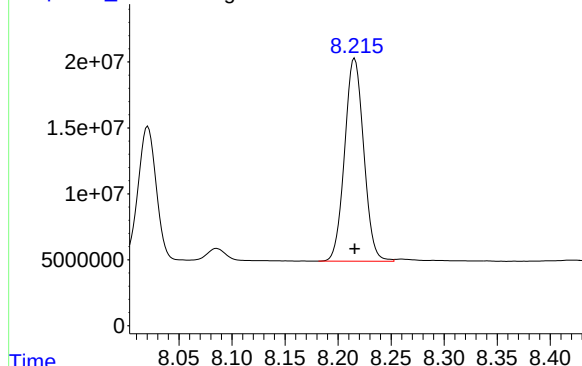
#43 AR-1268-3



R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 251209546
Conc: 500.00 ng/ml

Response_ Signal: PO108387.D\ECD1A.ch

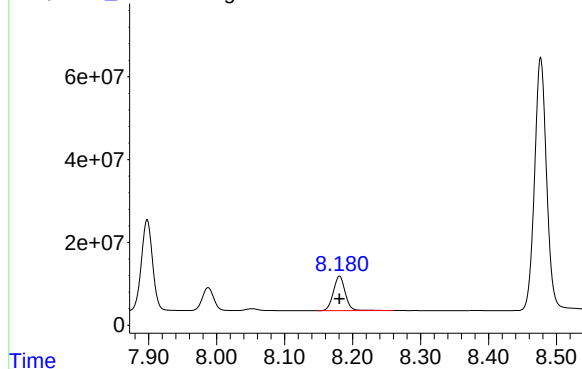
#44 AR-1268-4



R.T.: 8.216 min
Delta R.T.: 0.000 min
Response: 192043404
Conc: 500.00 ng/ml

Response_ Signal: PO108387.D\ECD2B.ch

#44 AR-1268-4

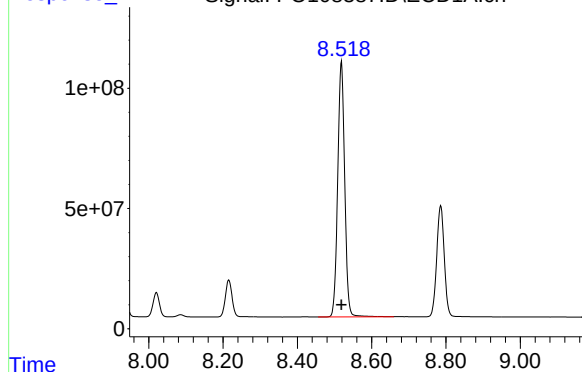


R.T.: 8.181 min
Delta R.T.: 0.000 min
Response: 101273149
Conc: 500.00 ng/ml

Response_

Signal: PO108387.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.519 min
Delta R.T.: 0.000 min
Response: 1386826180
Conc: 500.00 ng/ml

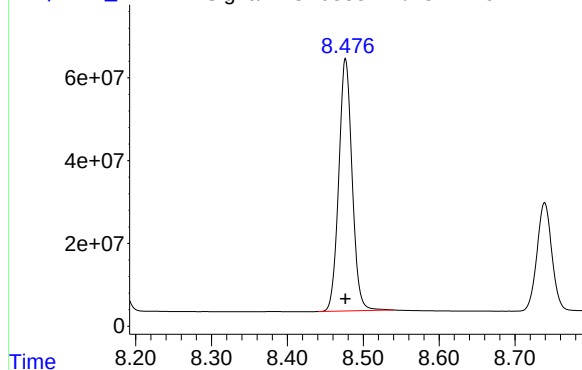
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PO108387.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min
Delta R.T.: 0.000 min
Response: 746059243
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 22:16
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: Dec 07 05:39:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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...	3.709	3.707	239.6E6	133.2E6	25.585	25.318
2) SA Decachlor...	8.785	8.739	341.5E6	185.2E6	26.300	25.923
Target Compounds						
41) L9 AR-1268-1	7.655	7.624	319.2E6	165.5E6	258.653	256.236
42) L9 AR-1268-2	7.719	7.688	286.9E6	148.5E6	257.913	255.365
43) L9 AR-1268-3	7.930	7.898	238.3E6	128.8E6	259.252	256.422
44) L9 AR-1268-4	8.216	8.181	101.2E6	53037702	263.394	261.855
45) L9 AR-1268-5	8.519	8.478	703.8E6	375.1E6	253.757	251.417

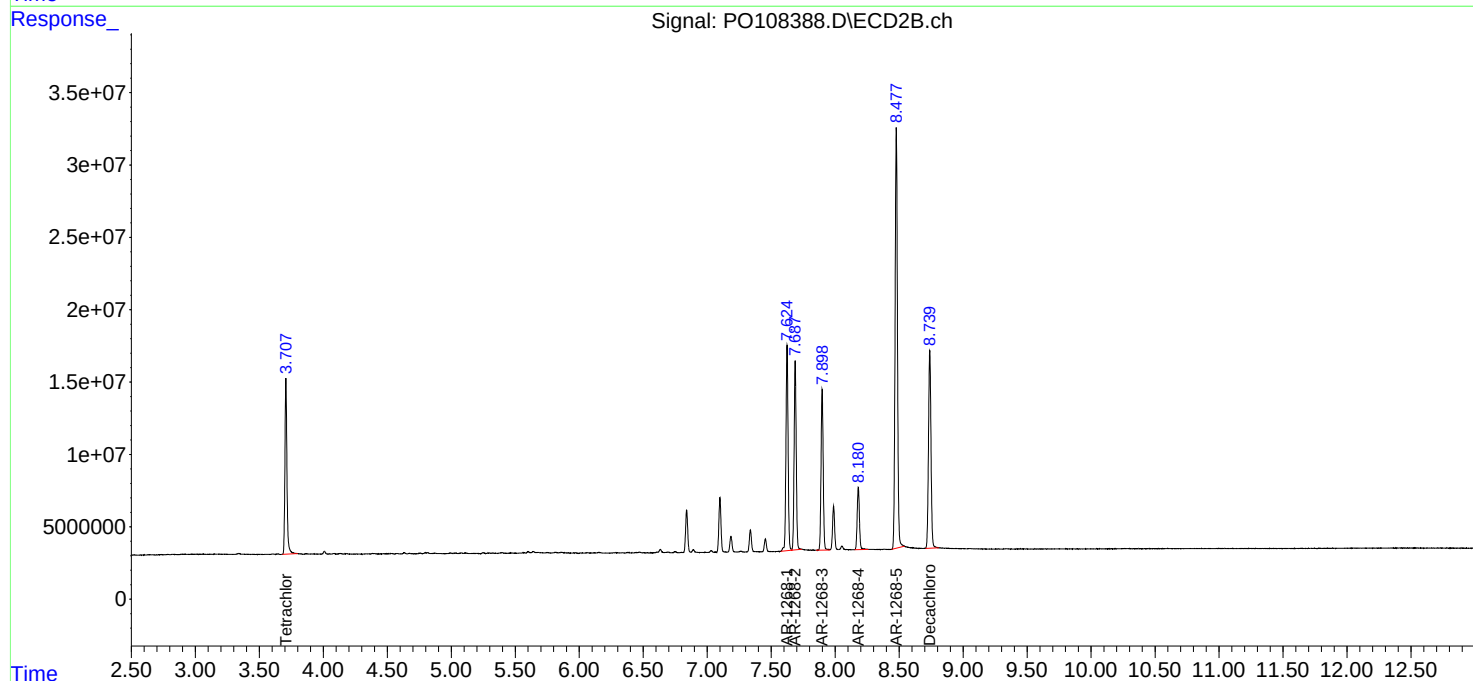
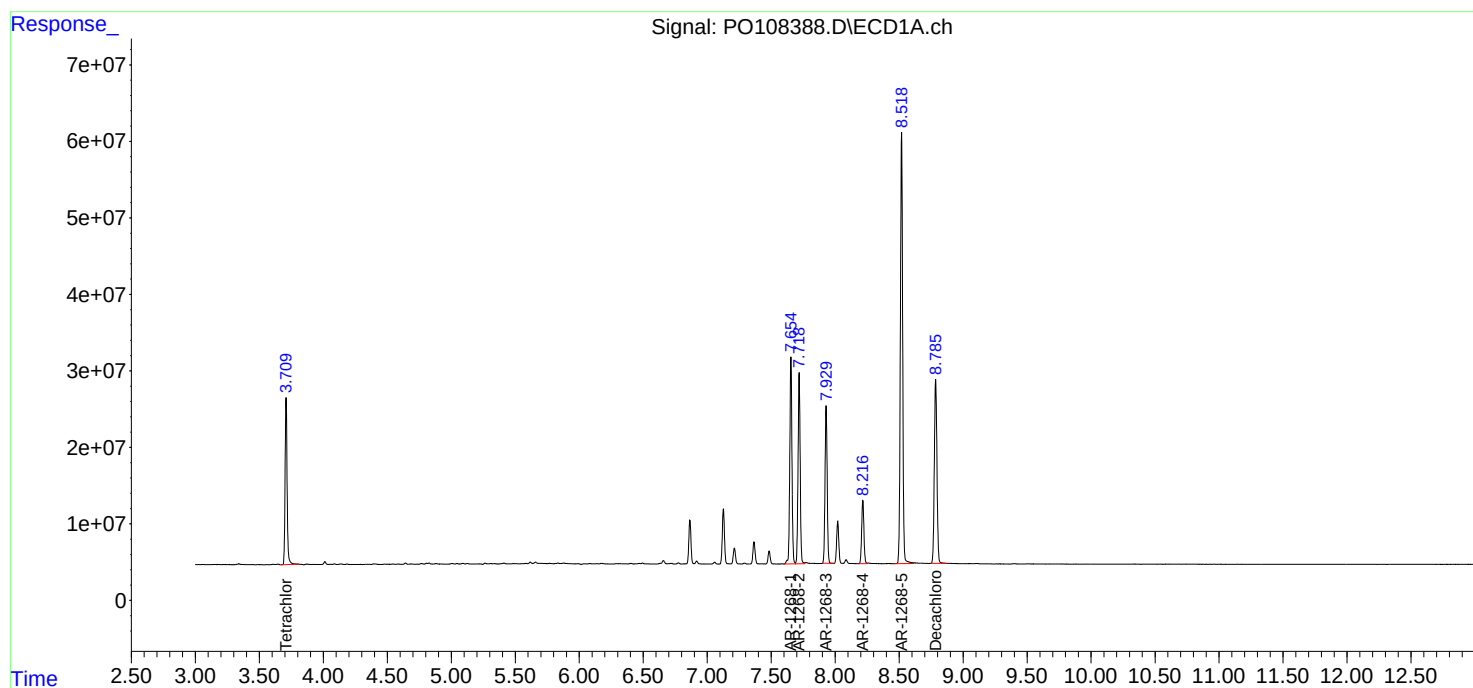
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108388.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 22:16
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

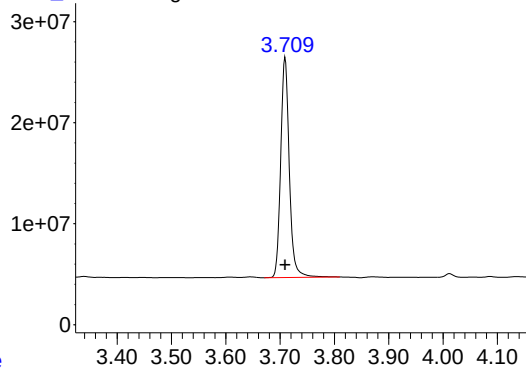
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:39:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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



Response_ Signal: PO108388.D\ECD1A.ch

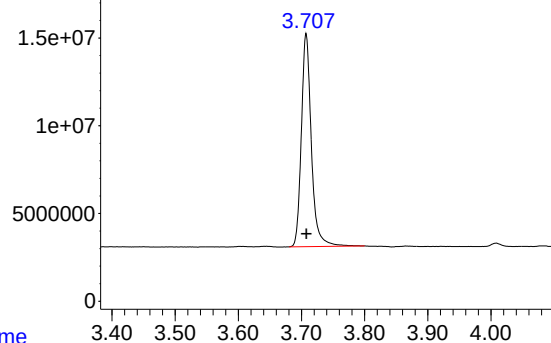


#1 Tetrachloro-m-xylene

R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 239632477
Conc: 25.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

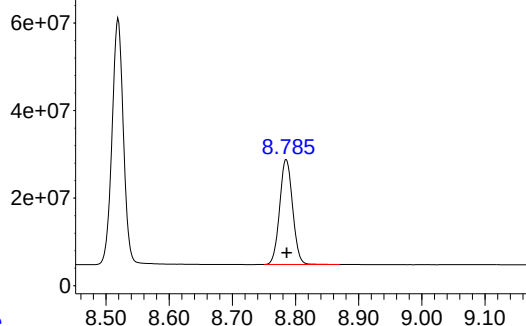
Time Response_ Signal: PO108388.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: 0.000 min
Response: 133165161
Conc: 25.32 ng/ml

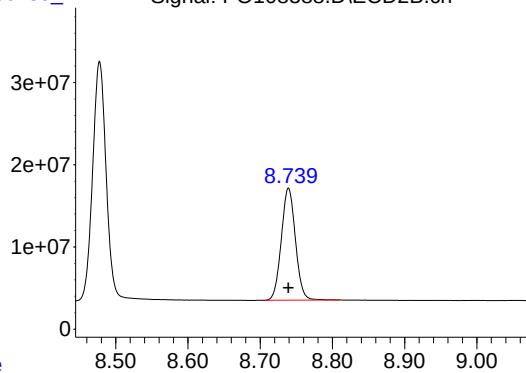
Time Response_ Signal: PO108388.D\ECD1A.ch



#2 Decachlorobiphenyl

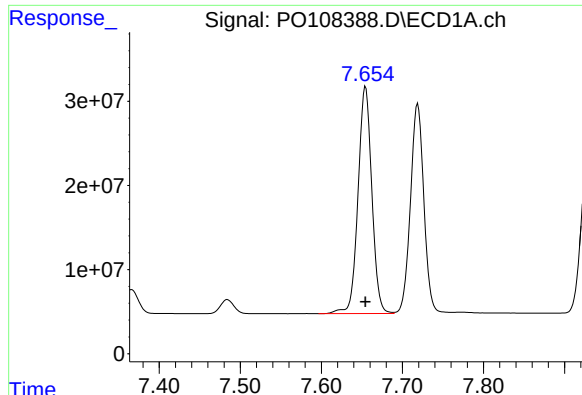
R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 341506276
Conc: 26.30 ng/ml

Time Response_ Signal: PO108388.D\ECD2B.ch



#2 Decachlorobiphenyl

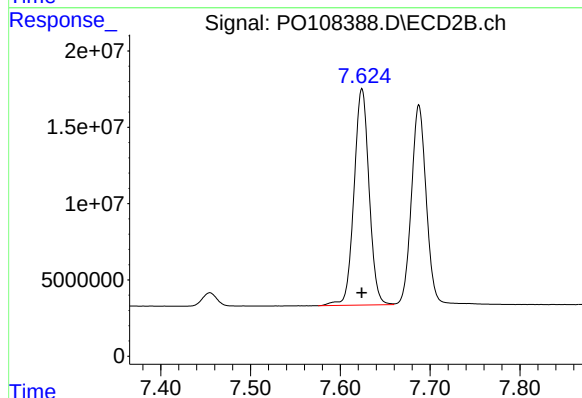
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 185159769
Conc: 25.92 ng/ml



#41 AR-1268-1

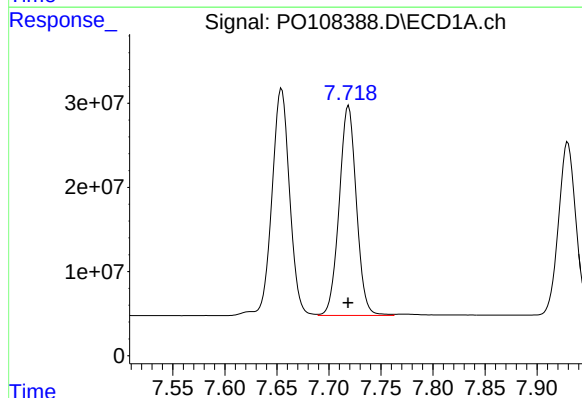
R.T.: 7.655 min
Delta R.T.: 0.000 min
Response: 319206816
Conc: 258.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



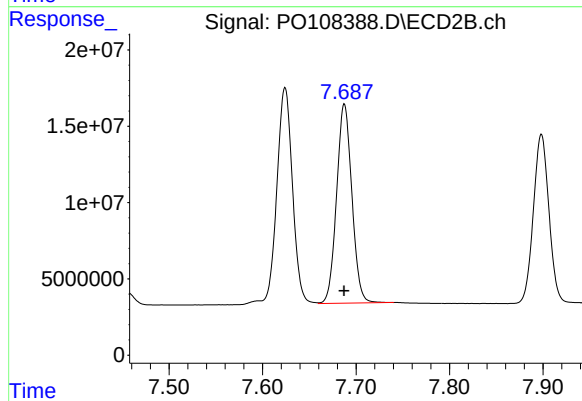
#41 AR-1268-1

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 165505244
Conc: 256.24 ng/ml



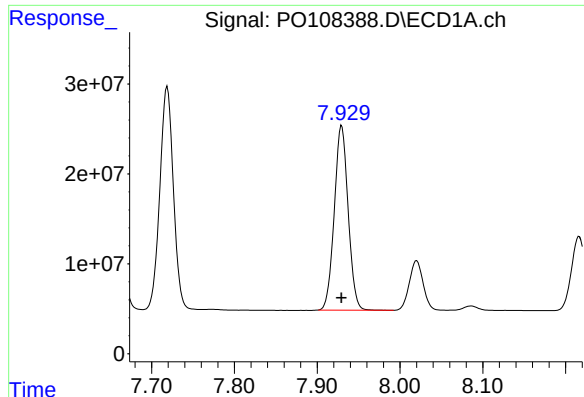
#42 AR-1268-2

R.T.: 7.719 min
Delta R.T.: 0.000 min
Response: 286858907
Conc: 257.91 ng/ml



#42 AR-1268-2

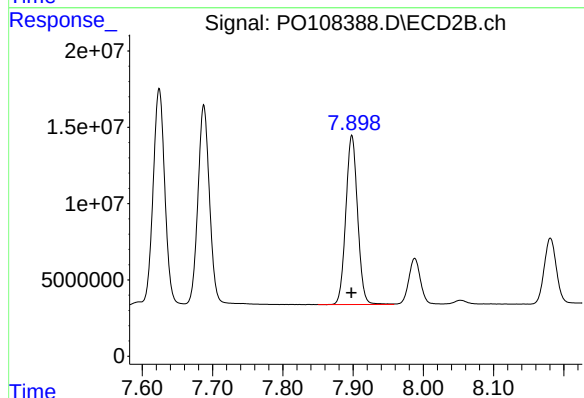
R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 148515740
Conc: 255.36 ng/ml



#43 AR-1268-3

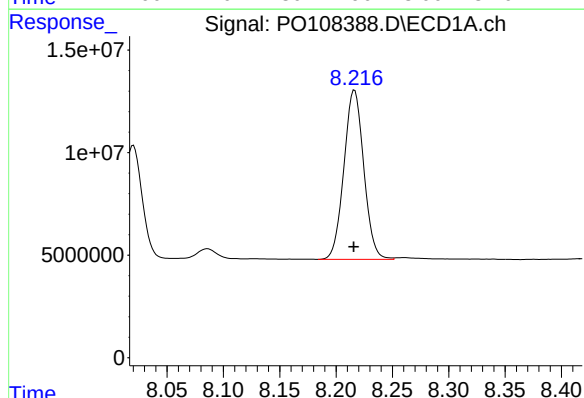
R.T.: 7.930 min
Delta R.T.: 0.000 min
Response: 238341340
Conc: 259.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



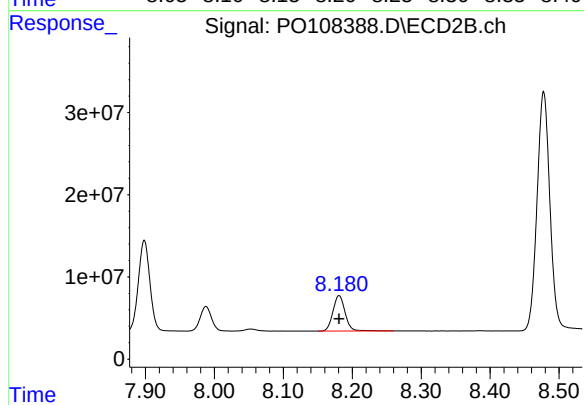
#43 AR-1268-3

R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 128831538
Conc: 256.42 ng/ml



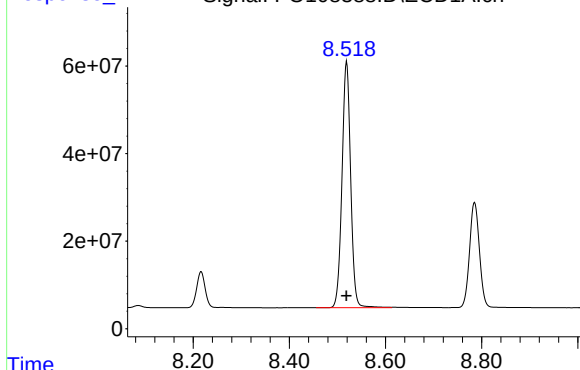
#44 AR-1268-4

R.T.: 8.216 min
Delta R.T.: 0.000 min
Response: 101166309
Conc: 263.39 ng/ml



#44 AR-1268-4

R.T.: 8.181 min
Delta R.T.: 0.000 min
Response: 53037702
Conc: 261.85 ng/ml



R.T.: 8.519 min
Delta R.T.: 0.000 min
Response: 703834167
Conc: 253.76 ng/ml

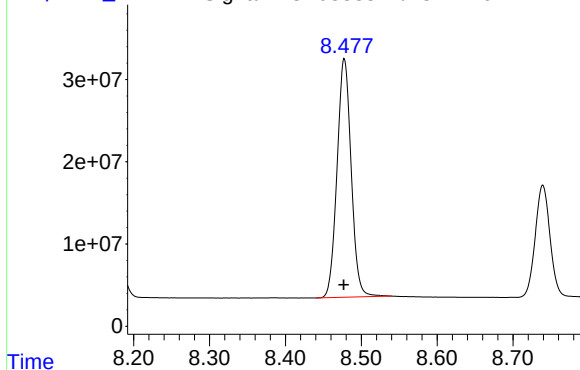
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

Time

Response_

Signal: PO108388.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.478 min
Delta R.T.: 0.001 min
Response: 375143939
Conc: 251.42 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 22:34
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:39:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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...	3.709	3.707	43397920	23820328	4.633	4.529
2) SA Decachlor...	8.787	8.739	67751275	35973878	5.218	5.036
Target Compounds						
41) L9 AR-1268-1	7.655	7.623	63224905	31796488	51.231	49.227
42) L9 AR-1268-2	7.719	7.687	55796192	27976696	50.166	48.104
43) L9 AR-1268-3	7.930	7.898	44249311	24435743	48.132	48.636
44) L9 AR-1268-4	8.217	8.180	19477210	10053726	50.710	49.637
45) L9 AR-1268-5	8.519	8.477	131.2E6	69412663	47.313	46.520

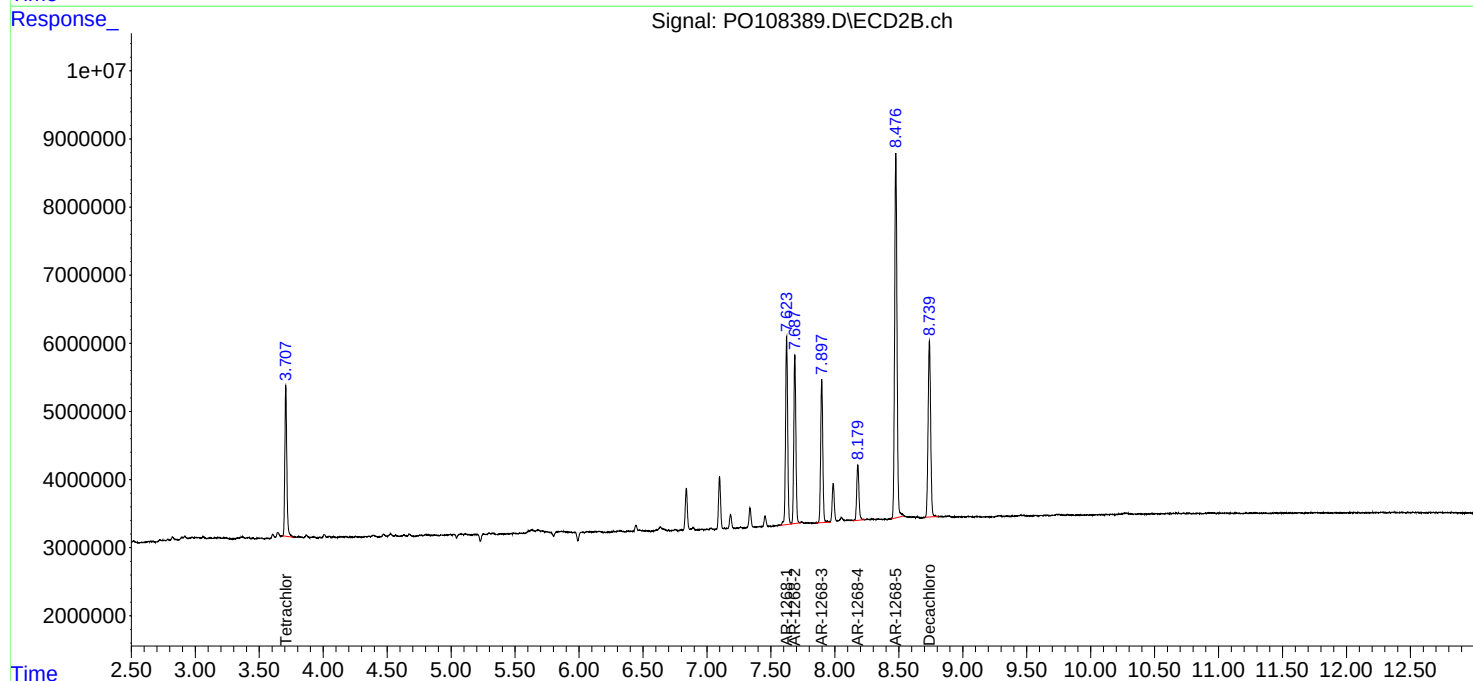
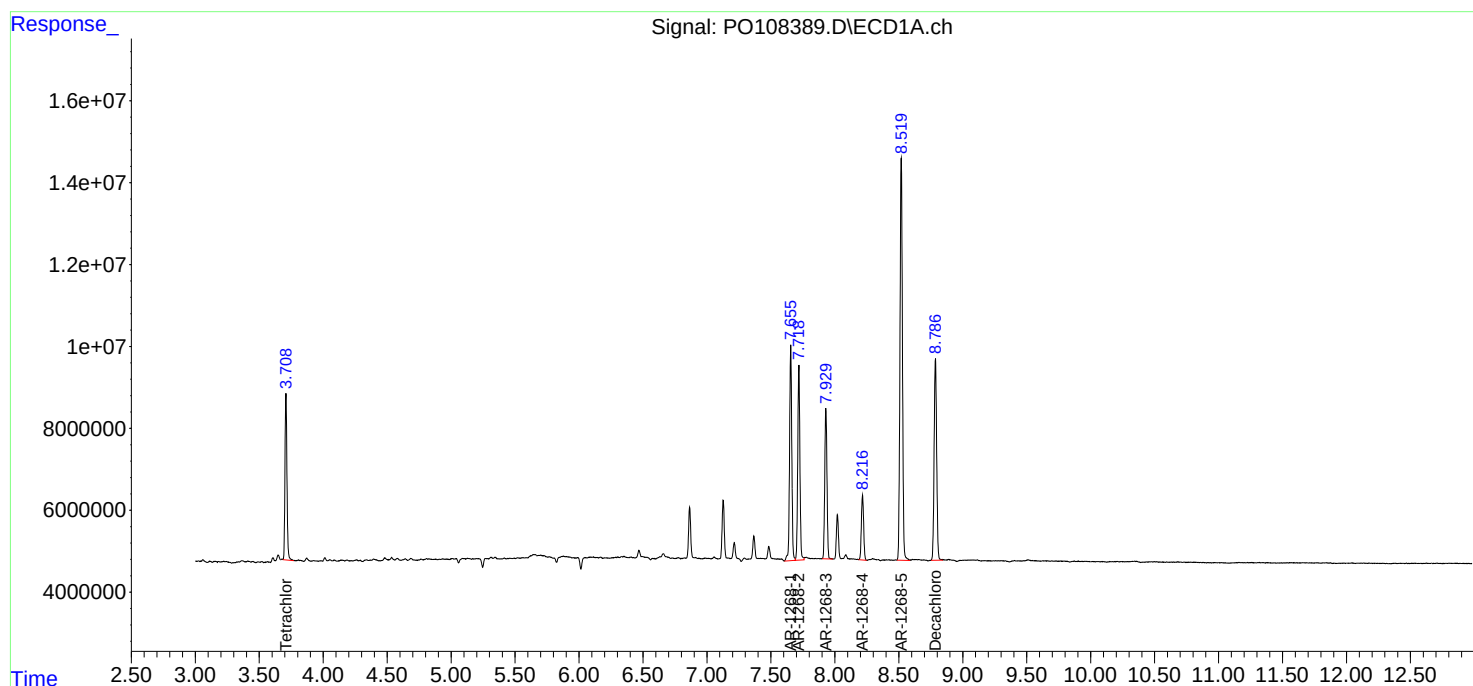
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

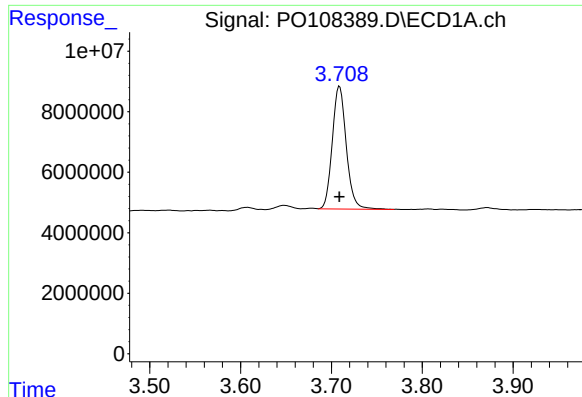
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 22:34
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:39:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:37:26 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

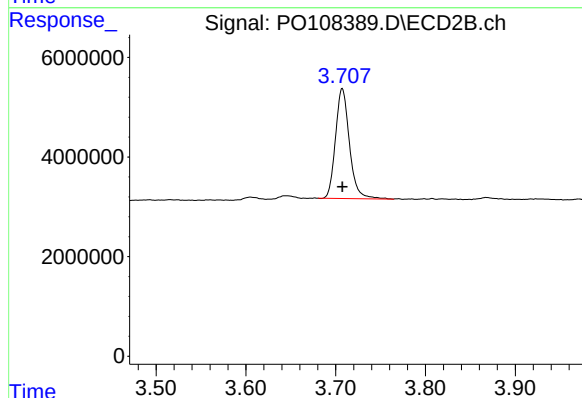




#1 Tetrachloro-m-xylene

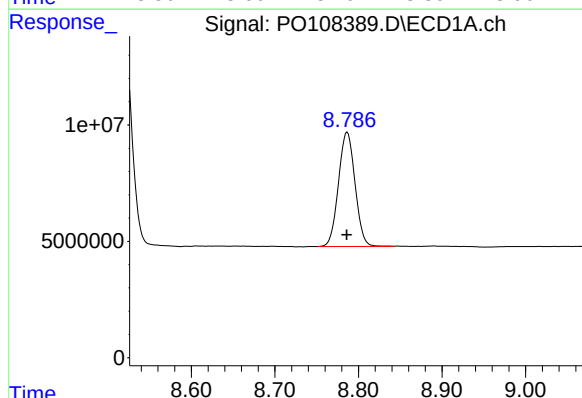
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 43397920
Conc: 4.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



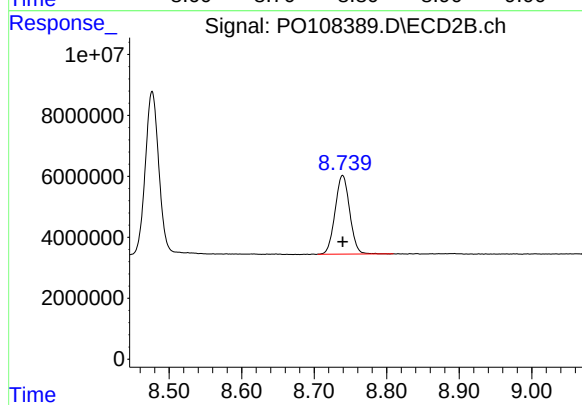
#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: 0.000 min
Response: 23820328
Conc: 4.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.787 min
Delta R.T.: 0.000 min
Response: 67751275
Conc: 5.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 35973878
Conc: 5.04 ng/ml

Response_ Signal: PO108389.D\ECD1A.ch

#41 AR-1268-1

R.T.: 7.655 min
Delta R.T.: 0.000 min
Response: 63224905
Conc: 51.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Time Response_ Signal: PO108389.D\ECD2B.ch

#41 AR-1268-1

R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 31796488
Conc: 49.23 ng/ml

Time Response_ Signal: PO108389.D\ECD1A.ch

#42 AR-1268-2

R.T.: 7.719 min
Delta R.T.: 0.000 min
Response: 55796192
Conc: 50.17 ng/ml

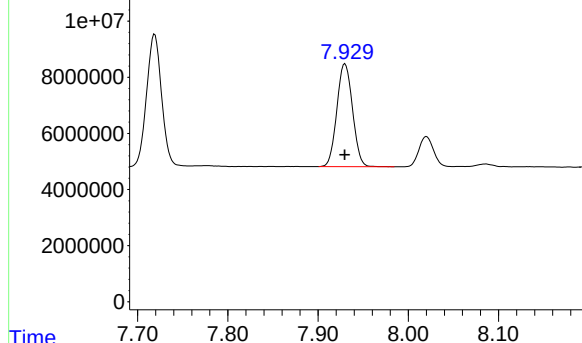
Time Response_ Signal: PO108389.D\ECD2B.ch

#42 AR-1268-2

R.T.: 7.687 min
Delta R.T.: 0.000 min
Response: 27976696
Conc: 48.10 ng/ml

Response_ Signal: PO108389.D\ECD1A.ch

#43 AR-1268-3

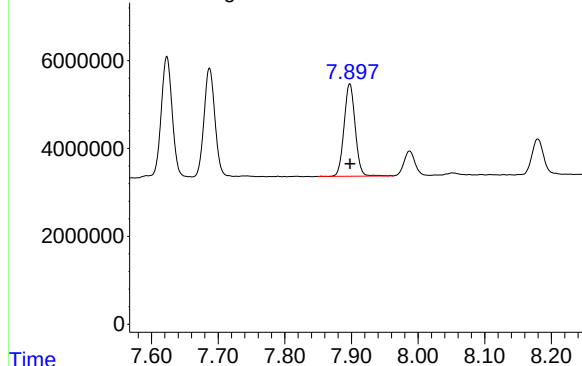


R.T.: 7.930 min
Delta R.T.: 0.000 min
Response: 44249311
Conc: 48.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Time Response_ Signal: PO108389.D\ECD2B.ch

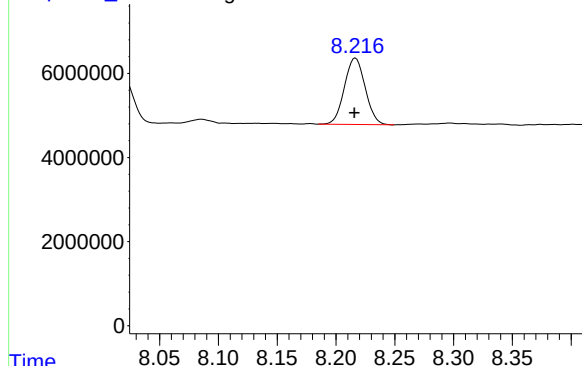
#43 AR-1268-3



R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 24435743
Conc: 48.64 ng/ml

Time Response_ Signal: PO108389.D\ECD1A.ch

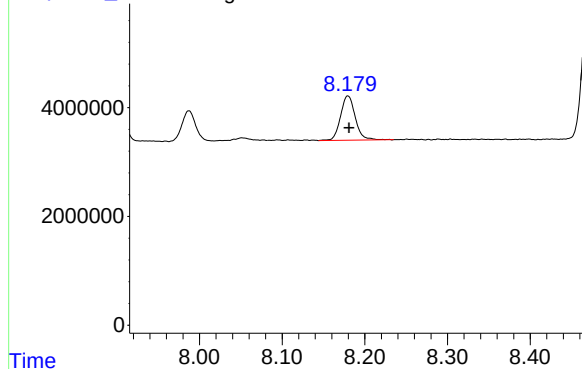
#44 AR-1268-4



R.T.: 8.217 min
Delta R.T.: 0.001 min
Response: 19477210
Conc: 50.71 ng/ml

Time Response_ Signal: PO108389.D\ECD2B.ch

#44 AR-1268-4

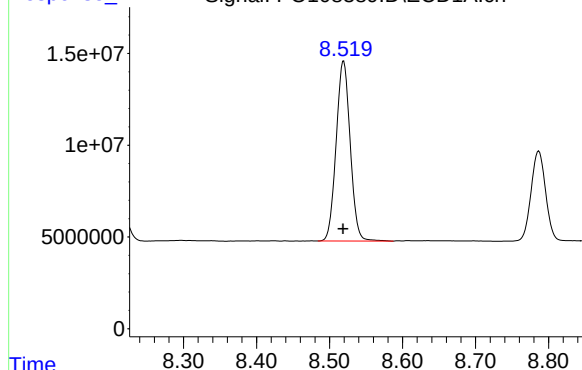


R.T.: 8.180 min
Delta R.T.: -0.001 min
Response: 10053726
Conc: 49.64 ng/ml

Response_

Signal: PO108389.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.519 min
Delta R.T.: 0.000 min
Response: 131231104
Conc: 47.31 ng/ml

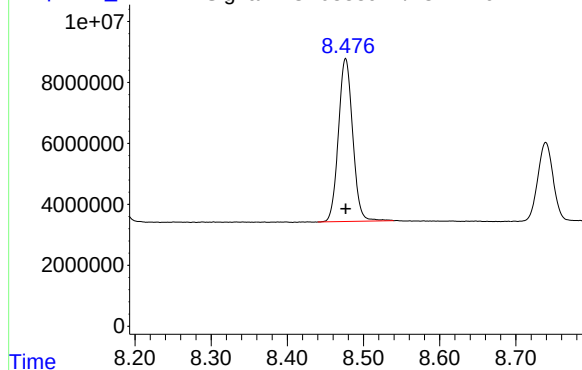
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Time

Response_

Signal: PO108389.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min
Delta R.T.: 0.000 min
Response: 69412663
Conc: 46.52 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 22:53
Operator : YP/AJ
Sample : PO120624ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO120624

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 02:30:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 02:28:22 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...	3.708	3.707	433.5E6	256.1E6	49.827	50.509
2) SA Decachlor...	8.786	8.738	367.7E6	200.0E6	50.336	51.625
Target Compounds						
3) L1 AR-1016-1	4.807	4.796	152.4E6	80878936	494.032	503.999
4) L1 AR-1016-2	4.827	4.816	207.8E6	112.0E6	497.935	504.290
5) L1 AR-1016-3	4.883	4.992	146.3E6	63403102	499.921	503.865
6) L1 AR-1016-4	5.004	5.033	114.7E6	53092959	496.317	506.584
7) L1 AR-1016-5	5.262	5.248	123.4E6	67028787	490.414	495.735
31) L7 AR-1260-1	6.306	6.283	226.4E6	118.0E6	495.314	504.236
32) L7 AR-1260-2	6.495	6.470	272.5E6	141.0E6	490.407	502.514
33) L7 AR-1260-3	6.865	6.625	230.1E6	131.5E6	496.219	498.757
34) L7 AR-1260-4	7.126	7.098	210.3E6	109.4E6	494.415	514.366
35) L7 AR-1260-5	7.366	7.337	486.3E6	250.1E6	500.346	516.847

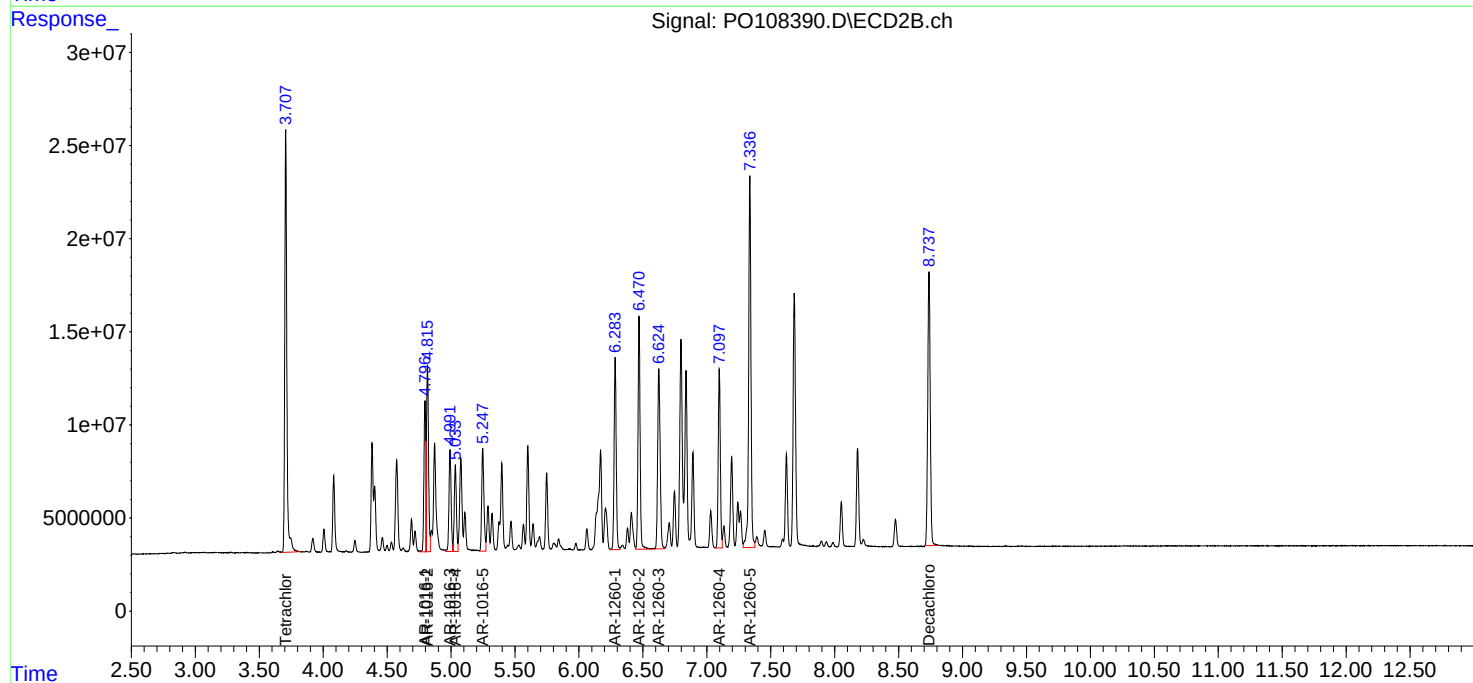
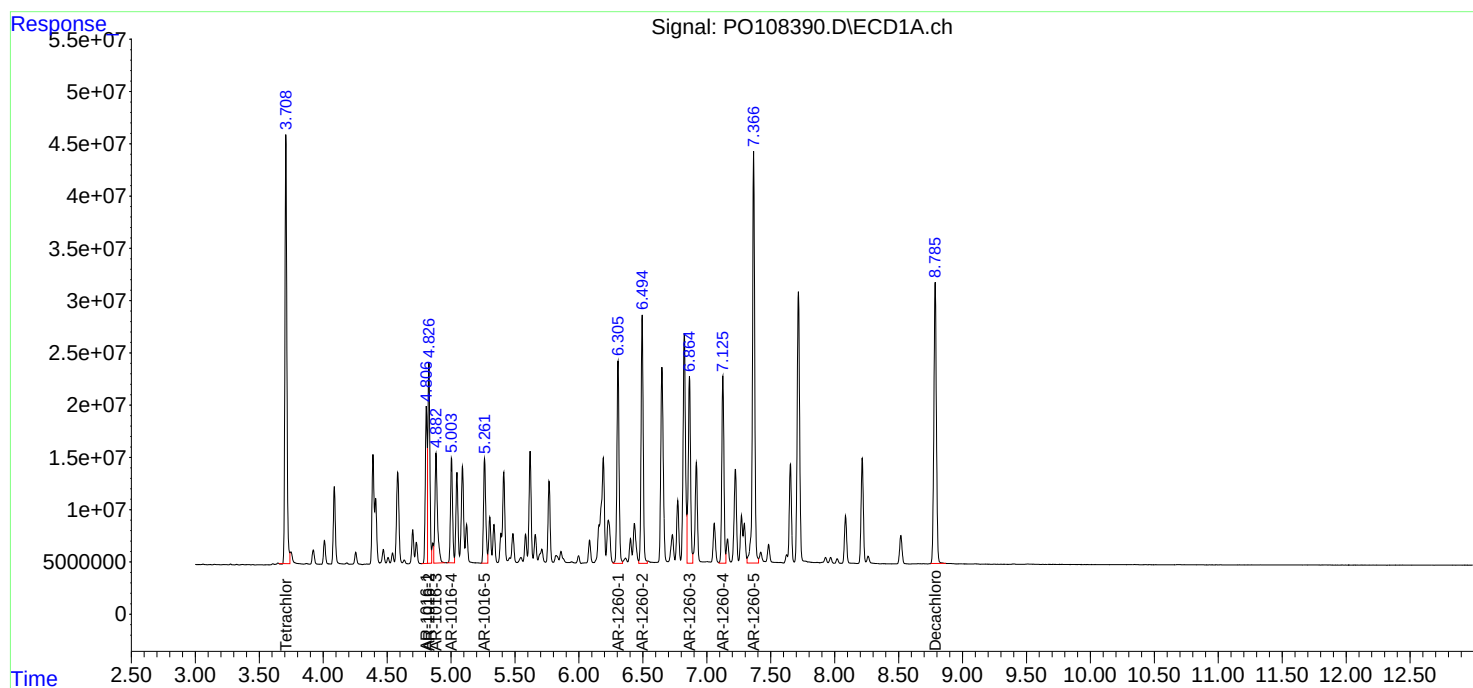
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108390.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 22:53
Operator : YP/AJ
Sample : PO120624ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO120624

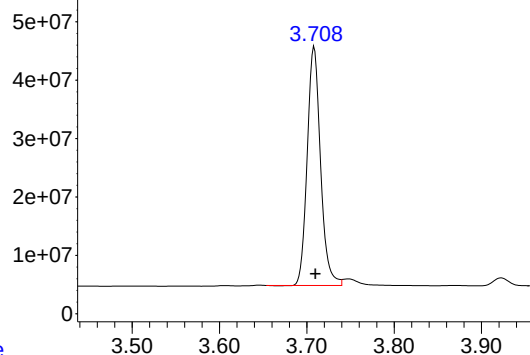
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 02:30:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 02:28:22 2024
Response via : Initial Calibration
Integrator: ChemStation

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: PO108390.D\ECD1A.ch

#1 Tetrachloro-m-xylene

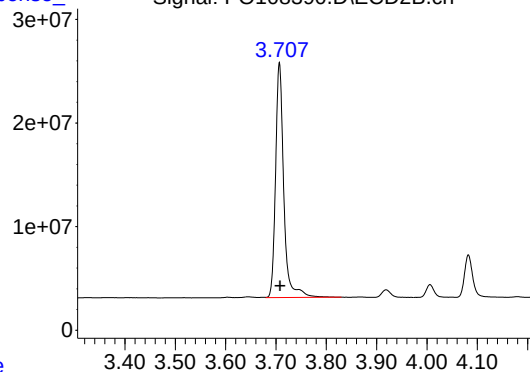


R.T.: 3.708 min
Delta R.T.: -0.002 min
Response: 433499861
Conc: 49.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624

Time Response_ Signal: PO108390.D\ECD2B.ch

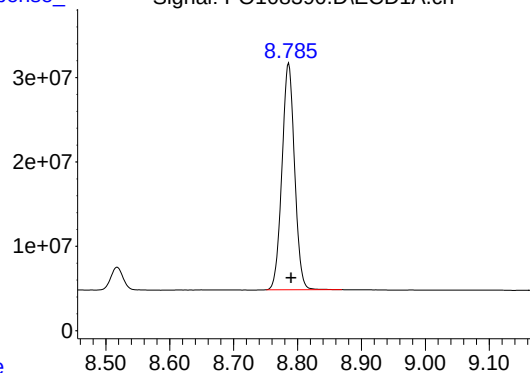
#1 Tetrachloro-m-xylene



R.T.: 3.707 min
Delta R.T.: -0.001 min
Response: 256050952
Conc: 50.51 ng/ml

Time Response_ Signal: PO108390.D\ECD1A.ch

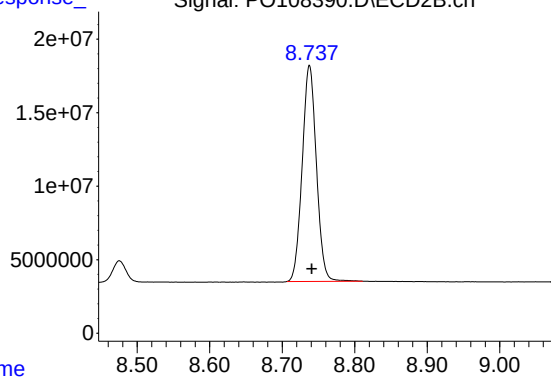
#2 Decachlorobiphenyl



R.T.: 8.786 min
Delta R.T.: -0.004 min
Response: 367662605
Conc: 50.34 ng/ml

Time Response_ Signal: PO108390.D\ECD2B.ch

#2 Decachlorobiphenyl



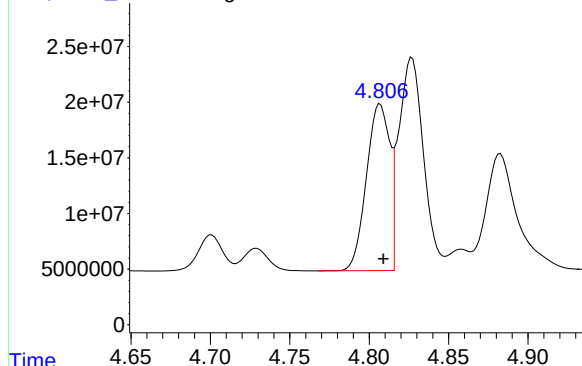
R.T.: 8.738 min
Delta R.T.: -0.003 min
Response: 200042595
Conc: 51.62 ng/ml

Response_ Signal: PO108390.D\ECD1A.ch

#3 AR-1016-1

R.T.: 4.807 min
Delta R.T.: -0.002 min
Response: 152380782
Conc: 494.03 ng/ml

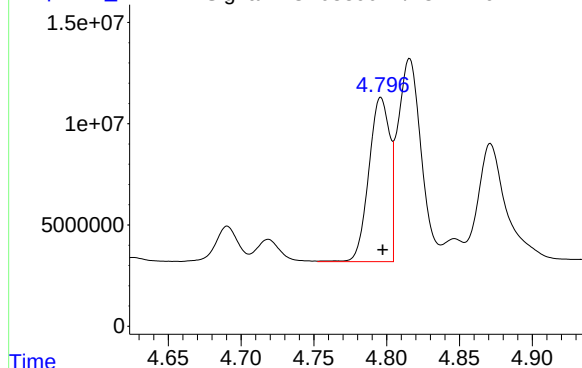
Instrument :
ECD_O
ClientSampleId :
ICVPO120624



Time Response_ Signal: PO108390.D\ECD2B.ch

#3 AR-1016-1

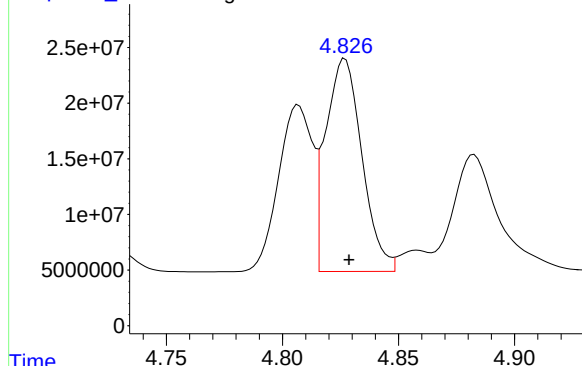
R.T.: 4.796 min
Delta R.T.: -0.001 min
Response: 80878936
Conc: 504.00 ng/ml



Time Response_ Signal: PO108390.D\ECD1A.ch

#4 AR-1016-2

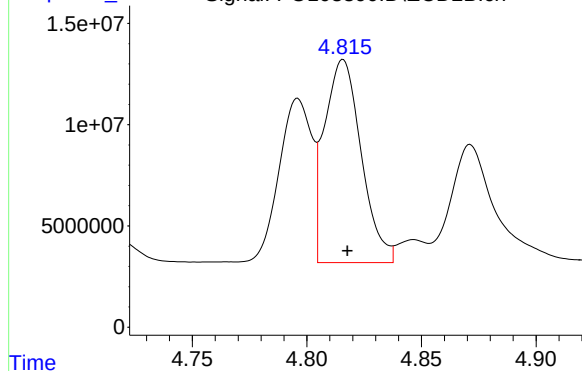
R.T.: 4.827 min
Delta R.T.: -0.002 min
Response: 207847702
Conc: 497.94 ng/ml



Time Response_ Signal: PO108390.D\ECD2B.ch

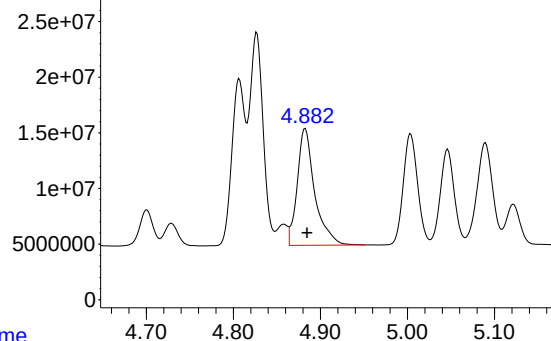
#4 AR-1016-2

R.T.: 4.816 min
Delta R.T.: -0.002 min
Response: 111999144
Conc: 504.29 ng/ml



Response_ Signal: PO108390.D\ECD1A.ch

#5 AR-1016-3

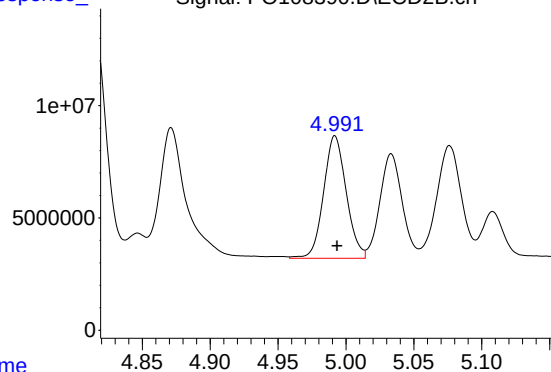


R.T.: 4.883 min
Delta R.T.: -0.002 min
Response: 146292482
Conc: 499.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624

Time Response_ Signal: PO108390.D\ECD2B.ch

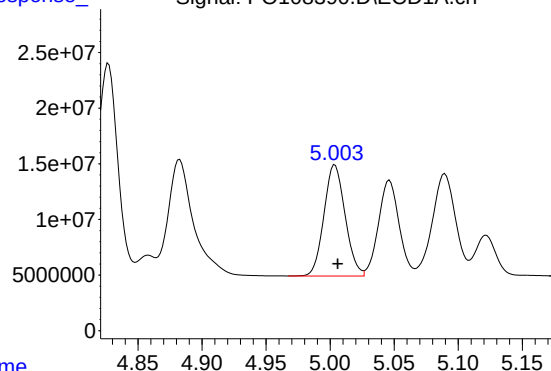
#5 AR-1016-3



R.T.: 4.992 min
Delta R.T.: -0.001 min
Response: 63403102
Conc: 503.86 ng/ml

Time Response_ Signal: PO108390.D\ECD1A.ch

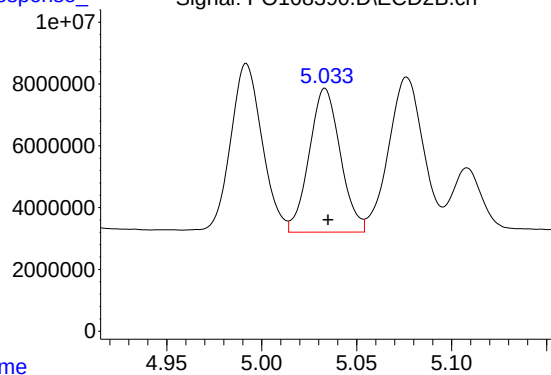
#6 AR-1016-4



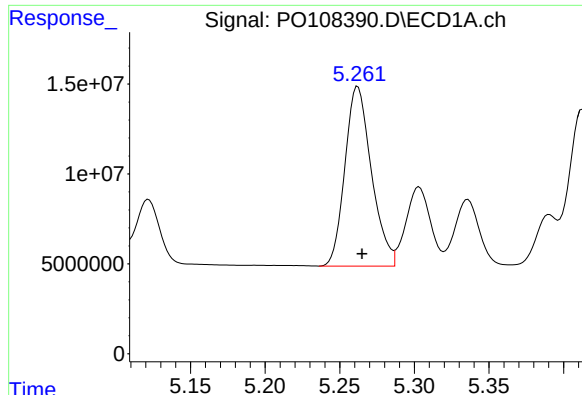
R.T.: 5.004 min
Delta R.T.: -0.002 min
Response: 114737132
Conc: 496.32 ng/ml

Time Response_ Signal: PO108390.D\ECD2B.ch

#6 AR-1016-4



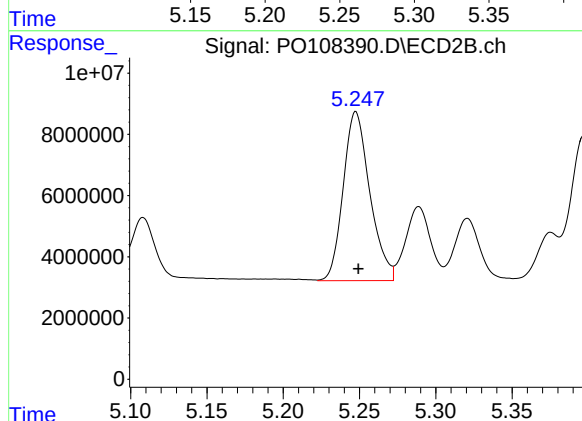
R.T.: 5.033 min
Delta R.T.: -0.001 min
Response: 53092959
Conc: 506.58 ng/ml



#7 AR-1016-5

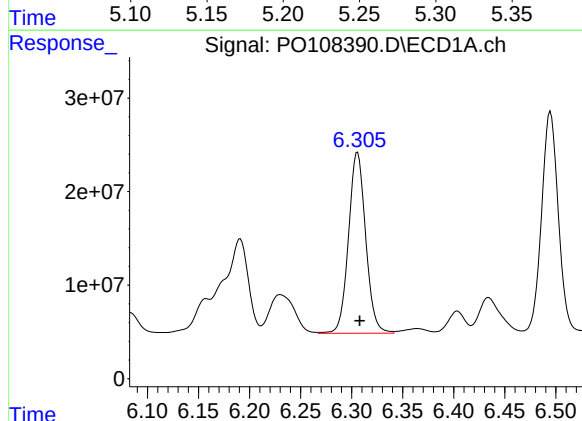
R.T.: 5.262 min
Delta R.T.: -0.003 min
Response: 123422441
Conc: 490.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624



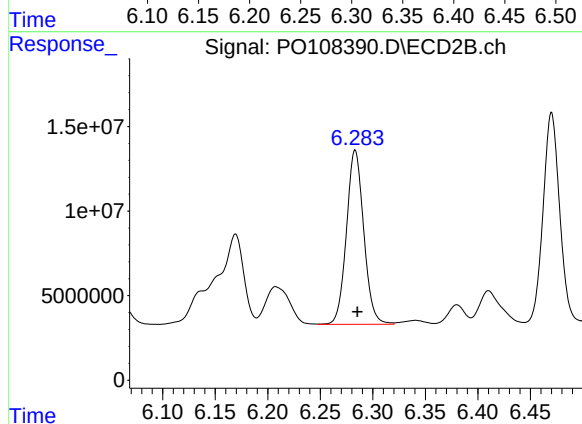
#7 AR-1016-5

R.T.: 5.248 min
Delta R.T.: -0.002 min
Response: 67028787
Conc: 495.73 ng/ml



#31 AR-1260-1

R.T.: 6.306 min
Delta R.T.: -0.002 min
Response: 226430405
Conc: 495.31 ng/ml



#31 AR-1260-1

R.T.: 6.283 min
Delta R.T.: -0.002 min
Response: 118008995
Conc: 504.24 ng/ml

Response_

Signal: PO108390.D\ECD1A.ch

#32 AR-1260-2

R.T.: 6.495 min

Delta R.T.: -0.002 min

Response: 272528683

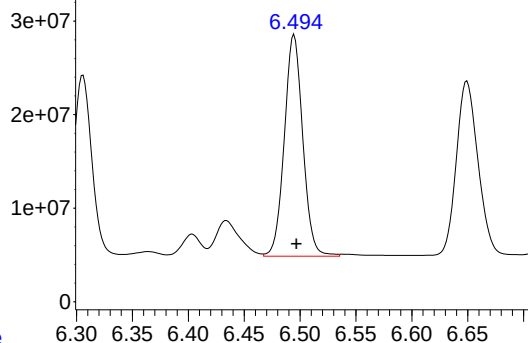
Conc: 490.41 ng/ml

Instrument :

ECD_O

ClientSampleId :

ICVPO120624



Time

Response_

Signal: PO108390.D\ECD2B.ch

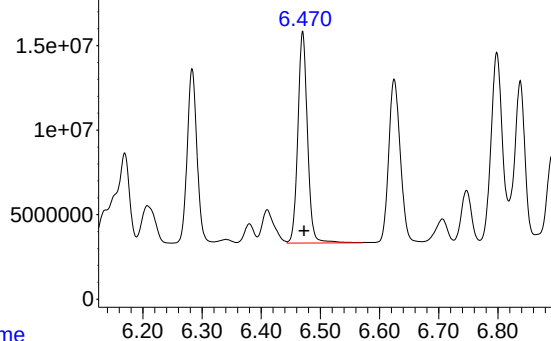
#32 AR-1260-2

R.T.: 6.470 min

Delta R.T.: -0.002 min

Response: 140989156

Conc: 502.51 ng/ml



Time

Response_

Signal: PO108390.D\ECD1A.ch

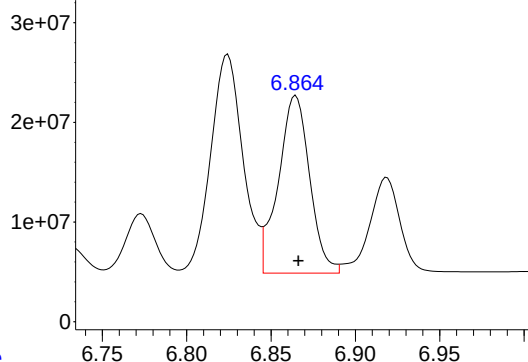
#33 AR-1260-3

R.T.: 6.865 min

Delta R.T.: -0.002 min

Response: 230085866

Conc: 496.22 ng/ml



Time

Response_

Signal: PO108390.D\ECD2B.ch

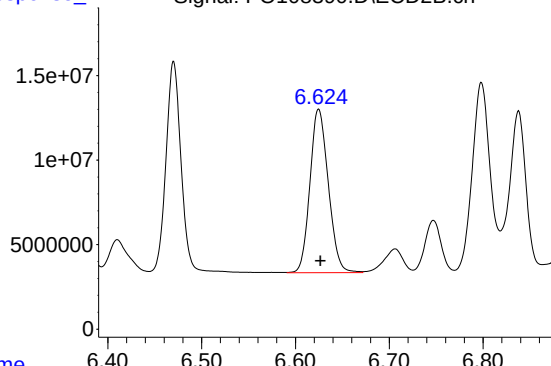
#33 AR-1260-3

R.T.: 6.625 min

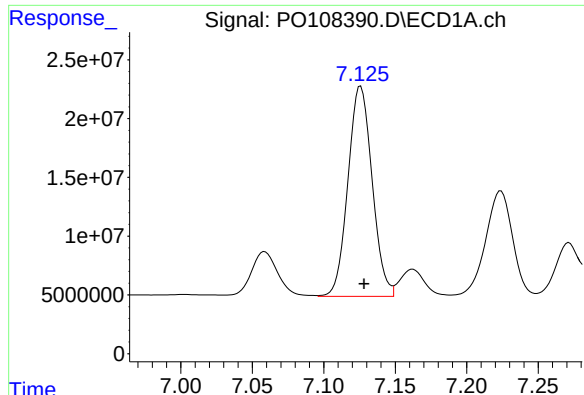
Delta R.T.: -0.002 min

Response: 131456637

Conc: 498.76 ng/ml



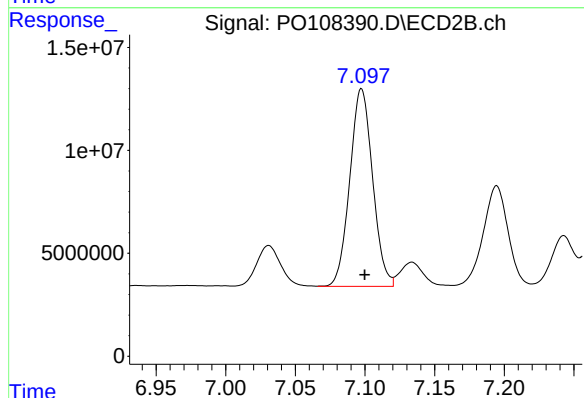
Time



#34 AR-1260-4

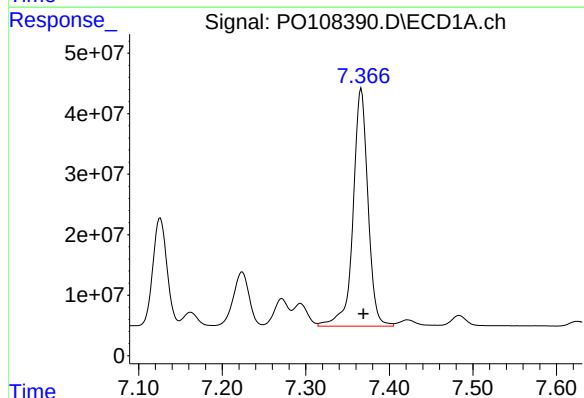
R.T.: 7.126 min
Delta R.T.: -0.002 min
Response: 210294598
Conc: 494.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624



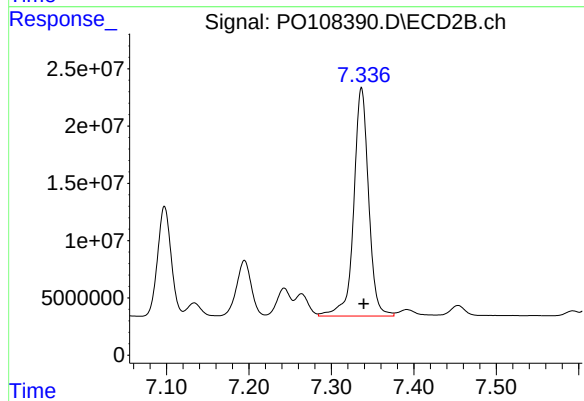
#34 AR-1260-4

R.T.: 7.098 min
Delta R.T.: -0.002 min
Response: 109431557
Conc: 514.37 ng/ml



#35 AR-1260-5

R.T.: 7.366 min
Delta R.T.: -0.003 min
Response: 486277958
Conc: 500.35 ng/ml



#35 AR-1260-5

R.T.: 7.337 min
Delta R.T.: -0.003 min
Response: 250119469
Conc: 516.85 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 23:11
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:47:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:45:26 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...	3.709	3.707	473.2E6	274.6E6	54.132	54.770
2) SA Decachlor...	8.787	8.739	400.3E6	218.3E6	54.256	55.188
Target Compounds						
16) L4 AR-1242-1	4.808	4.797	136.2E6	72198817	529.129	531.781
17) L4 AR-1242-2	4.828	4.817	185.7E6	100.0E6	538.138	539.407
18) L4 AR-1242-3	4.884	4.993	130.0E6	56871808	538.888	539.671
19) L4 AR-1242-4	5.005	5.077	102.2E6	57541113	535.754	536.121
20) L4 AR-1242-5	5.660	5.600	109.7E6	67632185	528.454	535.064

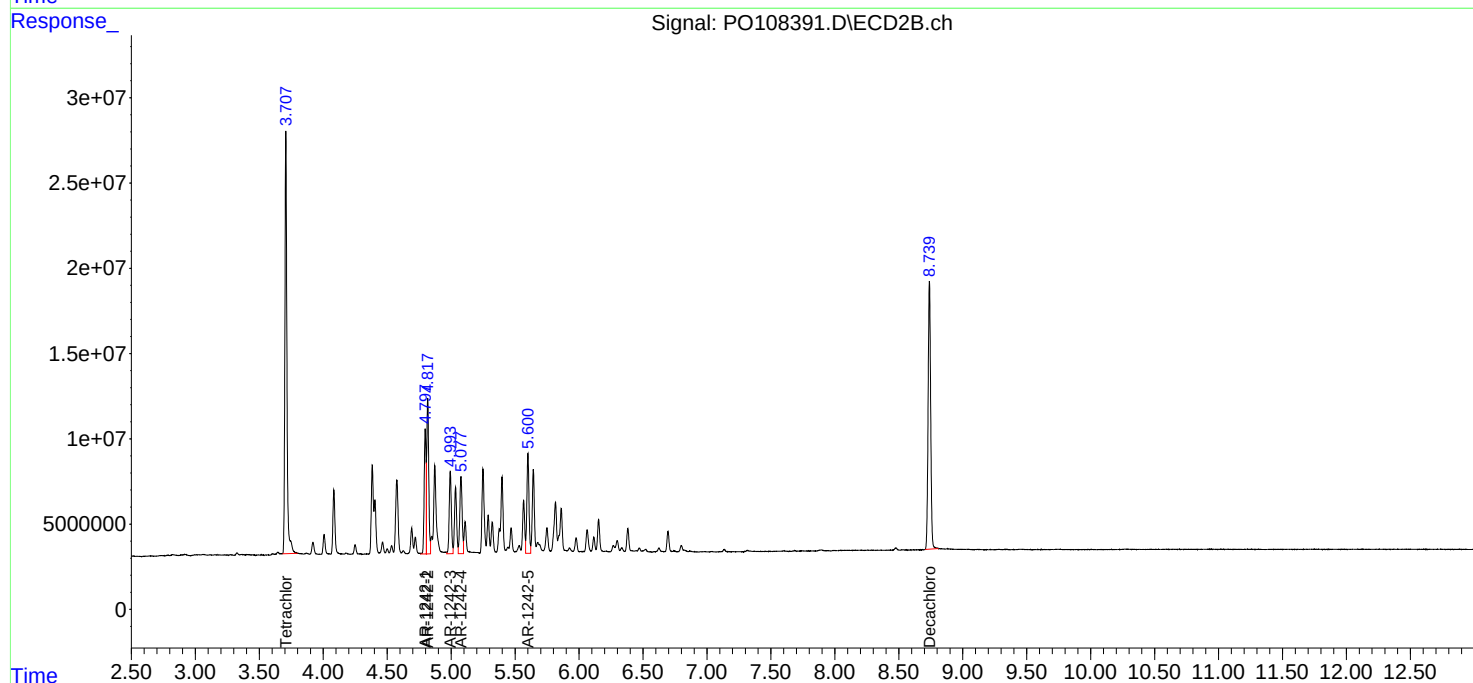
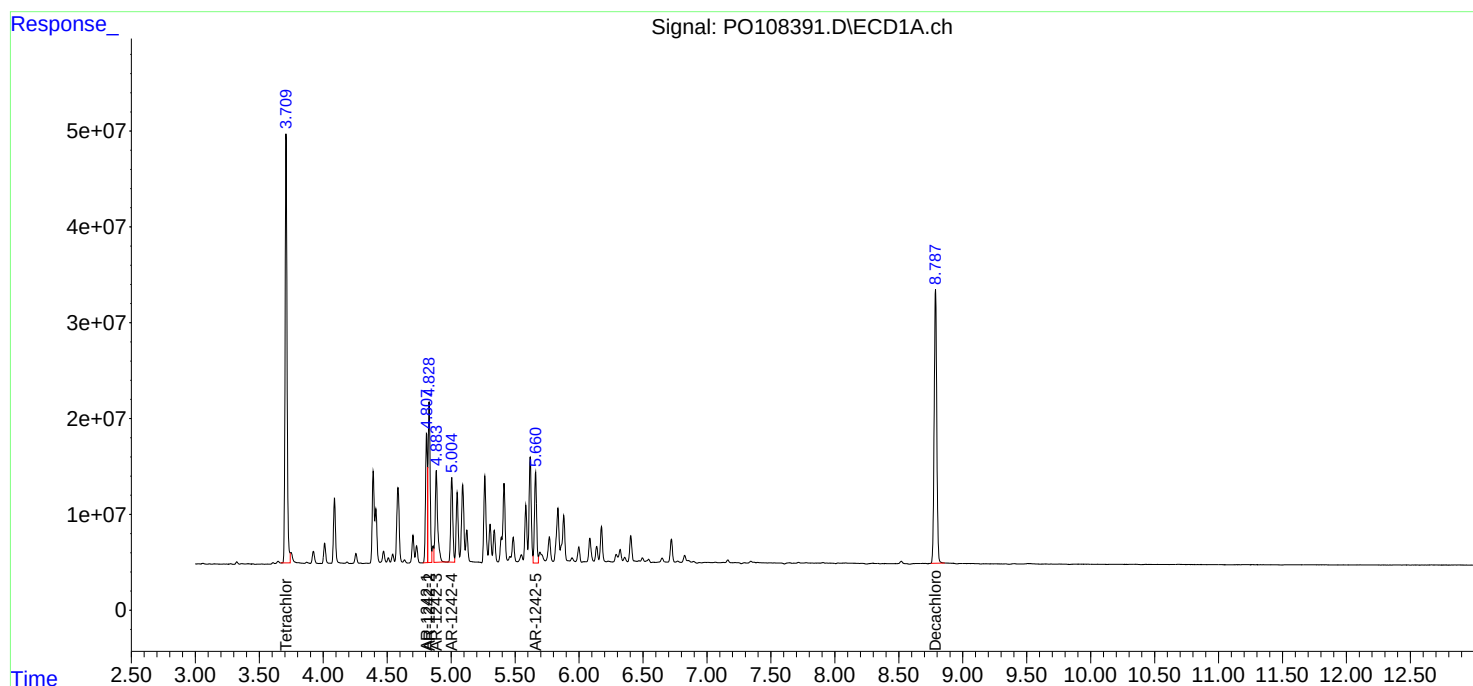
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

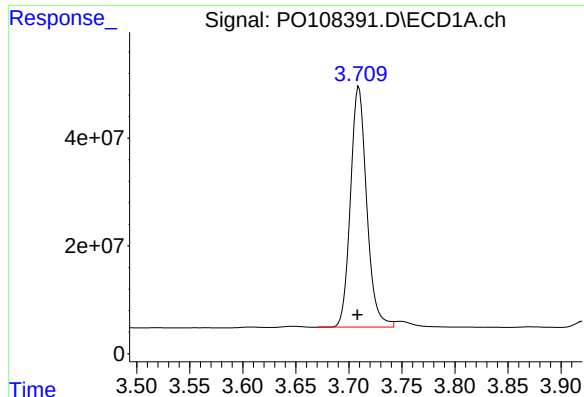
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 23:11
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:47:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:45:26 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

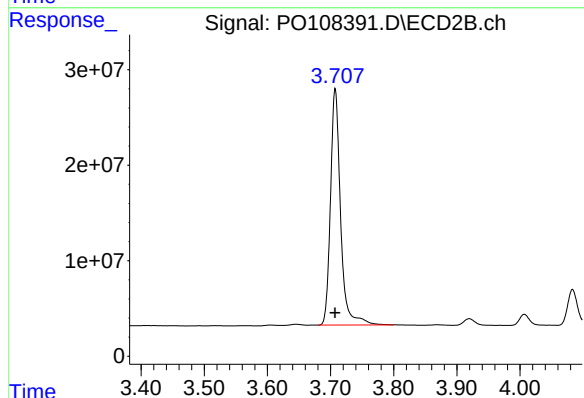




#1 Tetrachloro-m-xylene

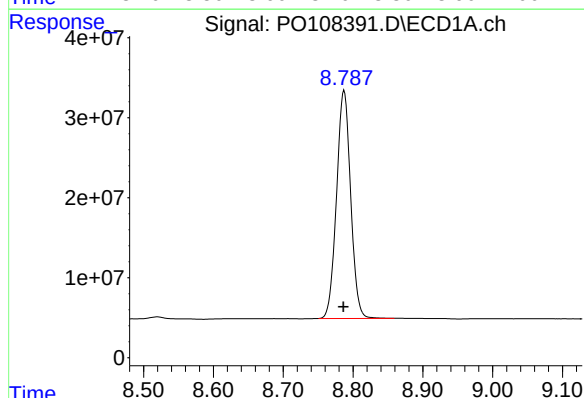
R.T.: 3.709 min
Delta R.T.: 0.001 min
Response: 473179527
Conc: 54.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1242



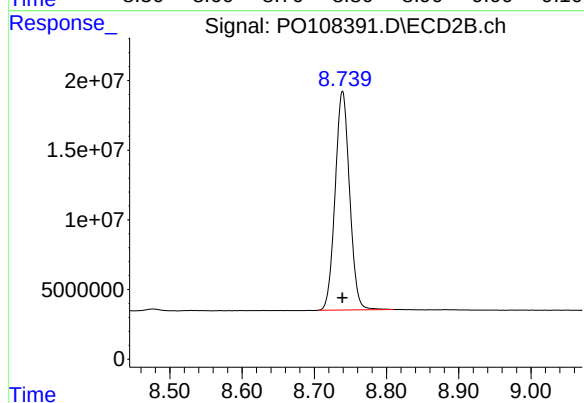
#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: 0.000 min
Response: 274572157
Conc: 54.77 ng/ml



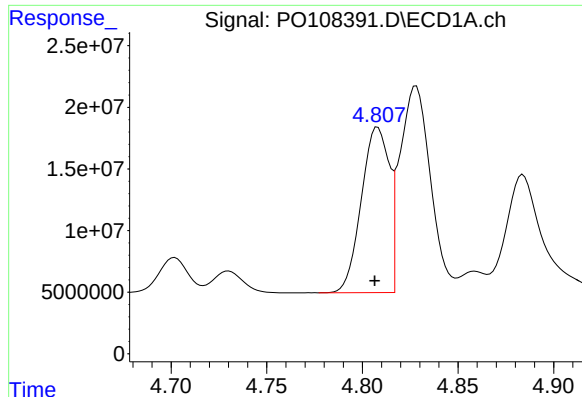
#2 Decachlorobiphenyl

R.T.: 8.787 min
Delta R.T.: 0.000 min
Response: 400294237
Conc: 54.26 ng/ml



#2 Decachlorobiphenyl

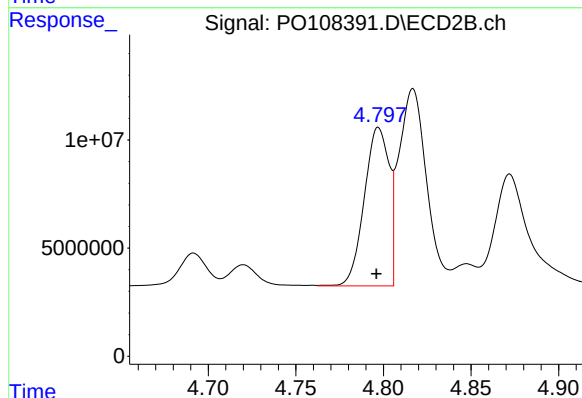
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 218282466
Conc: 55.19 ng/ml



#16 AR-1242-1

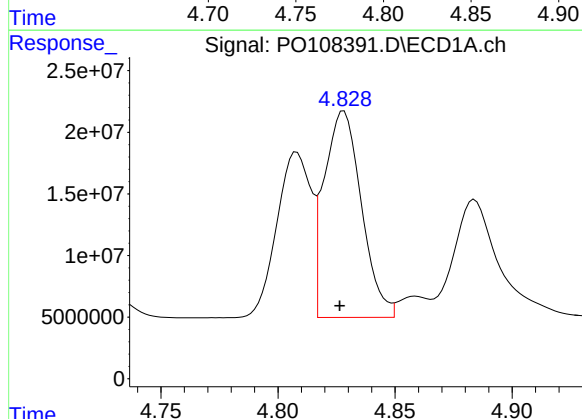
R.T.: 4.808 min
Delta R.T.: 0.002 min
Response: 136158117
Conc: 529.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1242



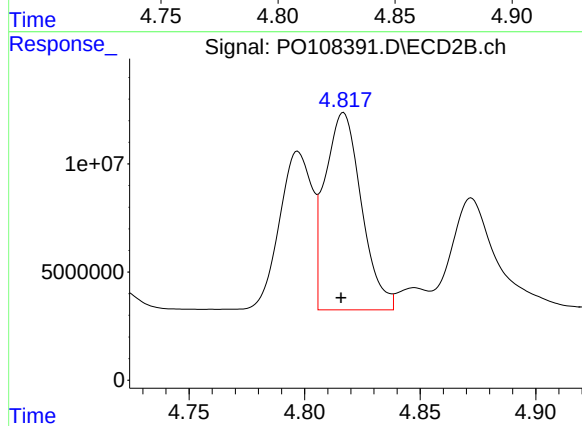
#16 AR-1242-1

R.T.: 4.797 min
Delta R.T.: 0.001 min
Response: 72198817
Conc: 531.78 ng/ml



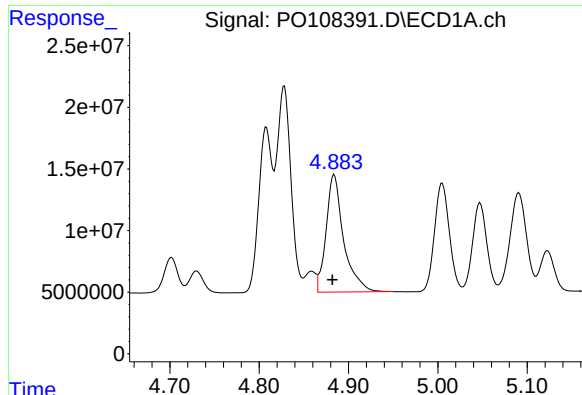
#17 AR-1242-2

R.T.: 4.828 min
Delta R.T.: 0.002 min
Response: 185744732
Conc: 538.14 ng/ml



#17 AR-1242-2

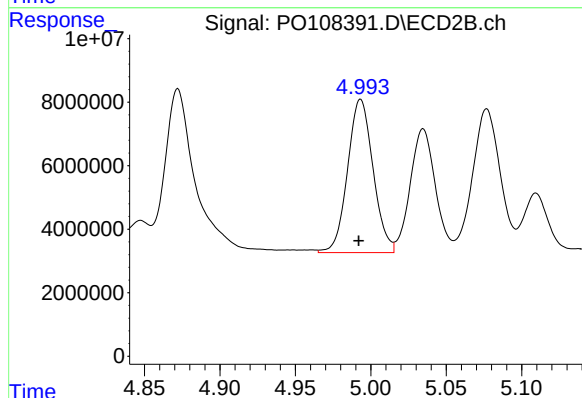
R.T.: 4.817 min
Delta R.T.: 0.001 min
Response: 100037427
Conc: 539.41 ng/ml



#18 AR-1242-3

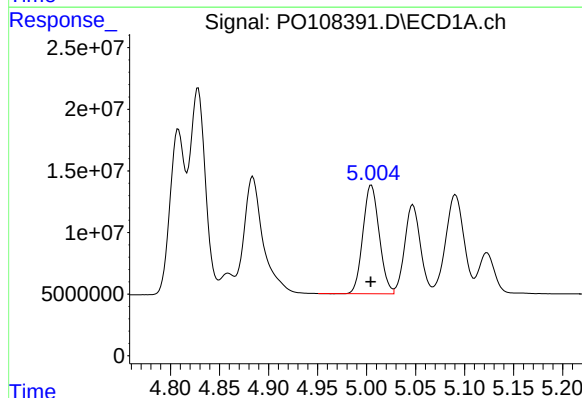
R.T.: 4.884 min
Delta R.T.: 0.002 min
Response: 129986172
Conc: 538.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1242



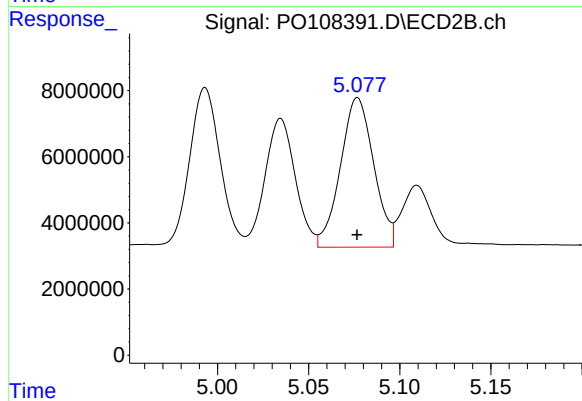
#18 AR-1242-3

R.T.: 4.993 min
Delta R.T.: 0.001 min
Response: 56871808
Conc: 539.67 ng/ml



#19 AR-1242-4

R.T.: 5.005 min
Delta R.T.: 0.000 min
Response: 102175834
Conc: 535.75 ng/ml



#19 AR-1242-4

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 57541113
Conc: 536.12 ng/ml

Response_

Signal: PO108391.D\ECD1A.ch

#20 AR-1242-5

R.T.: 5.660 min

Delta R.T.: 0.002 min

Response: 109744365

Conc: 528.45 ng/ml

Instrument :

ECD_O

ClientSampleId :

ICVPO120624AR1242

1.5e+07

1e+07

5000000

0

5.55

5.60

5.65

5.70

5.75

Time

Response_

Signal: PO108391.D\ECD2B.ch

#20 AR-1242-5

R.T.: 5.600 min

Delta R.T.: 0.001 min

Response: 67632185

Conc: 535.06 ng/ml

1e+07

8000000

6000000

4000000

2000000

0

5.50

5.55

5.60

5.65

5.70

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 23:29
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:15:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:15:20 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...	3.710	3.708	494.8E6	277.9E6	54.702	55.064
2) SA Decachlor...	8.787	8.739	408.5E6	223.3E6	52.675	53.999
Target Compounds						
21) L5 AR-1248-1	4.808	4.797	106.4E6	56795368	531.289	540.296
22) L5 AR-1248-2	5.048	5.034	146.8E6	80058605	529.599	536.128
23) L5 AR-1248-3	5.264	5.077	180.4E6	84835876	528.911	535.541
24) L5 AR-1248-4	5.619	5.248	255.1E6	98531455	535.318	539.749
25) L5 AR-1248-5	5.661	5.643	180.4E6	94191450	532.664	536.387

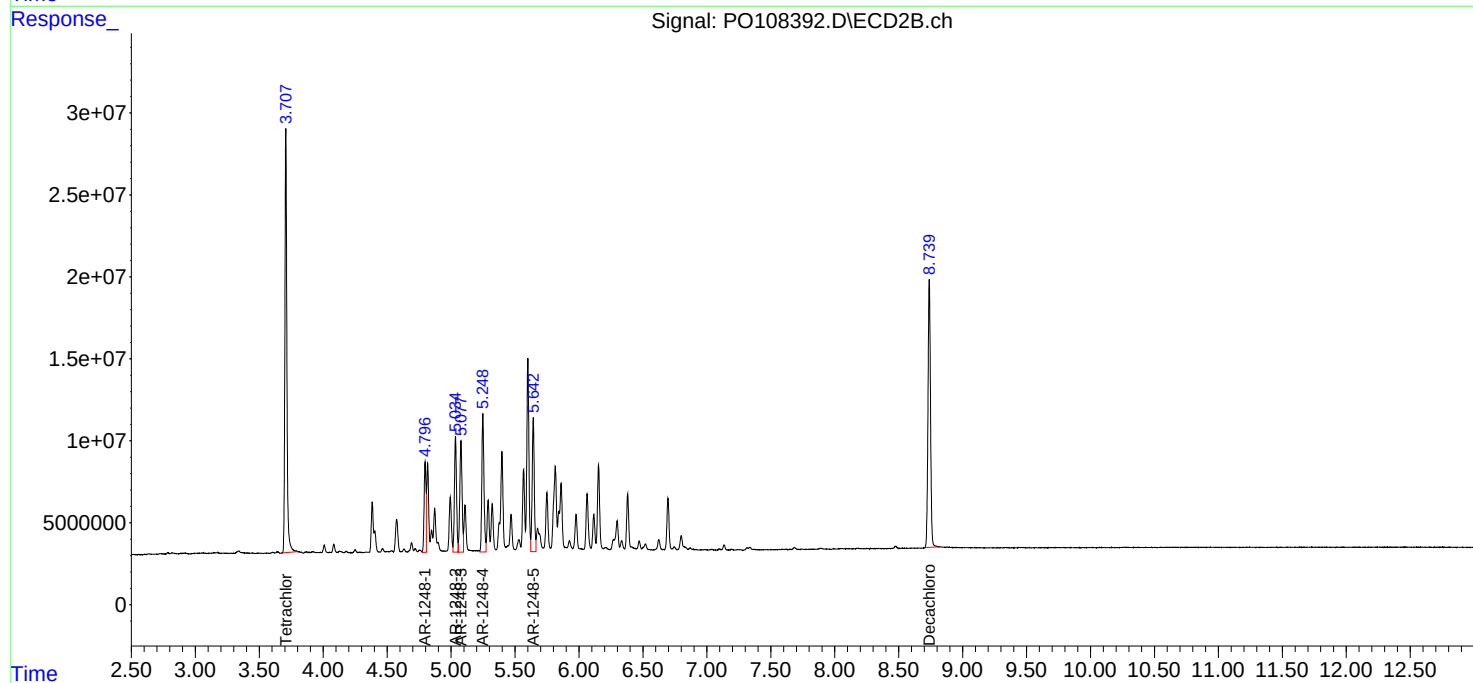
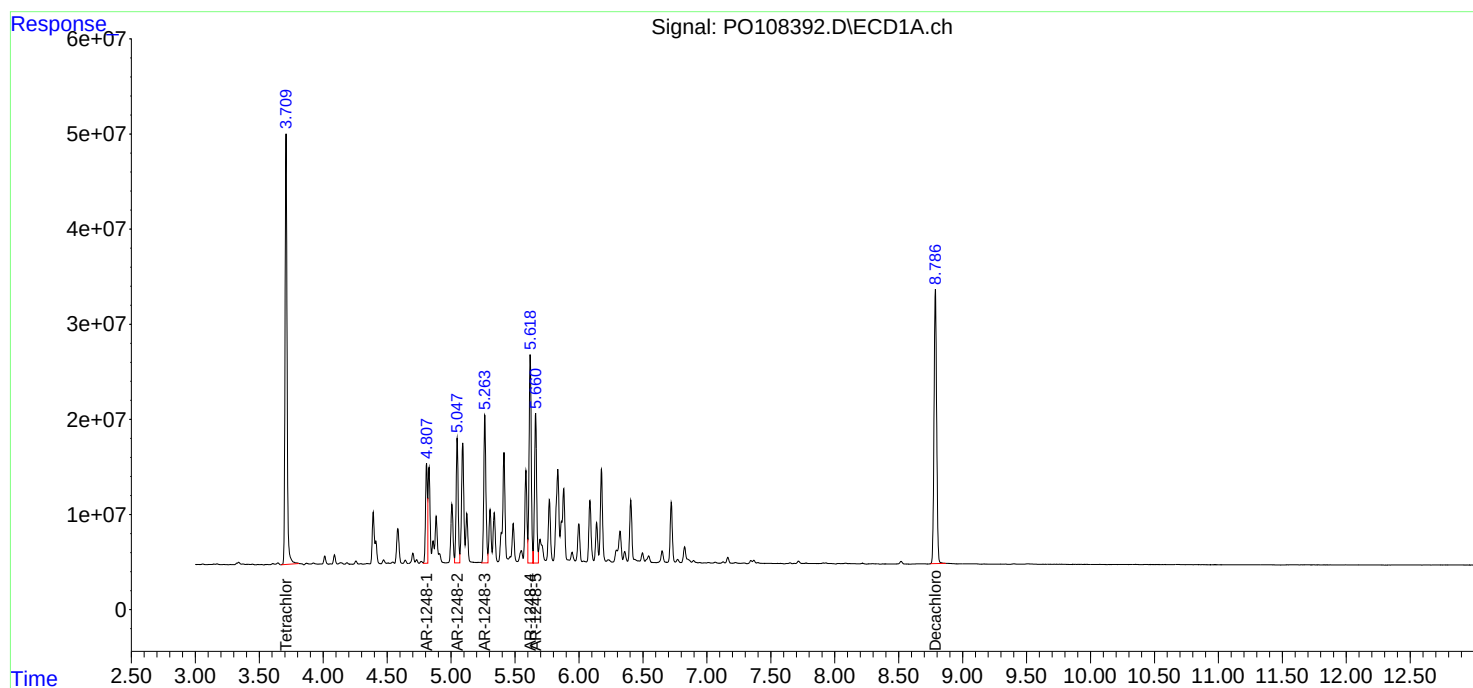
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

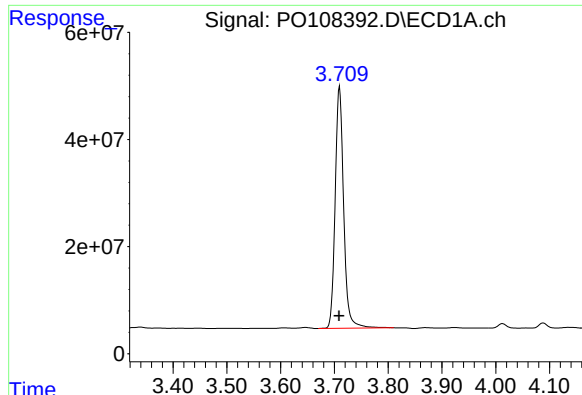
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 23:29
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:15:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:15:20 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

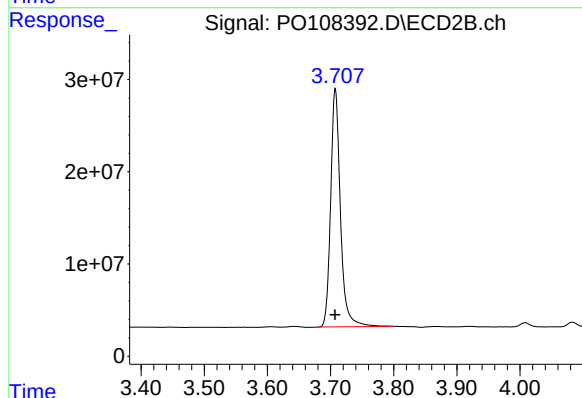




#1 Tetrachloro-m-xylene

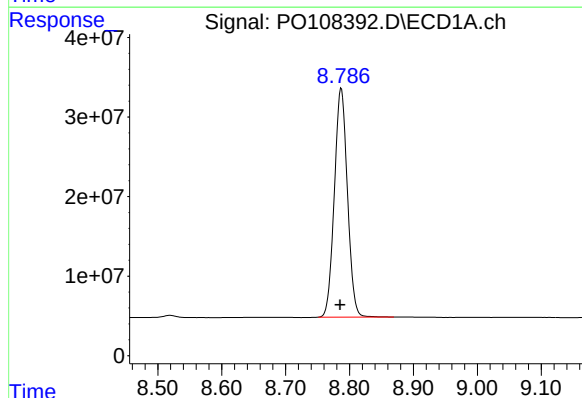
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 494793800
Conc: 54.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1248



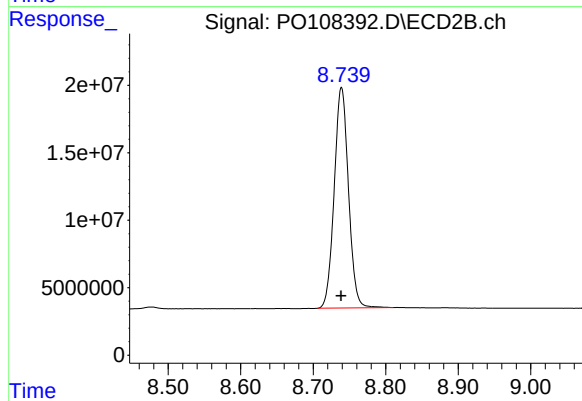
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 277910117
Conc: 55.06 ng/ml



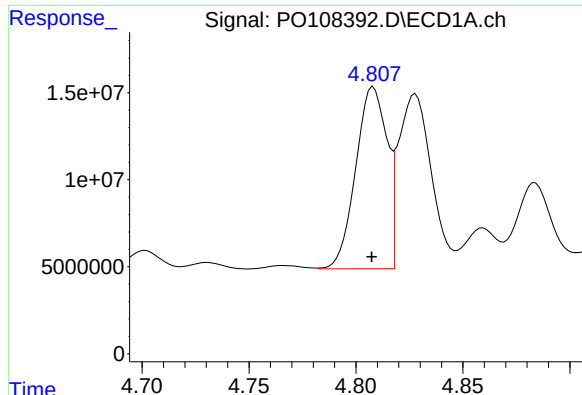
#2 Decachlorobiphenyl

R.T.: 8.787 min
Delta R.T.: 0.002 min
Response: 408455902
Conc: 52.67 ng/ml



#2 Decachlorobiphenyl

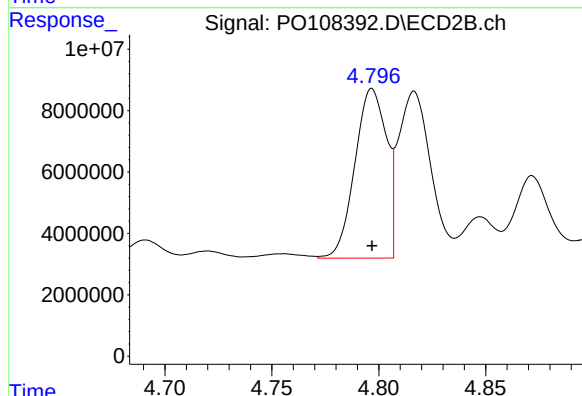
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 223253253
Conc: 54.00 ng/ml



#21 AR-1248-1

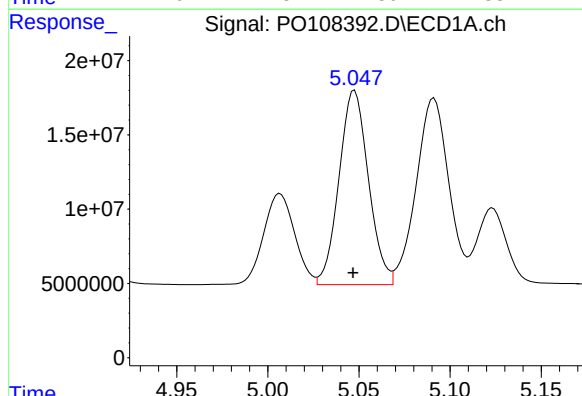
R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 106402805
Conc: 531.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1248



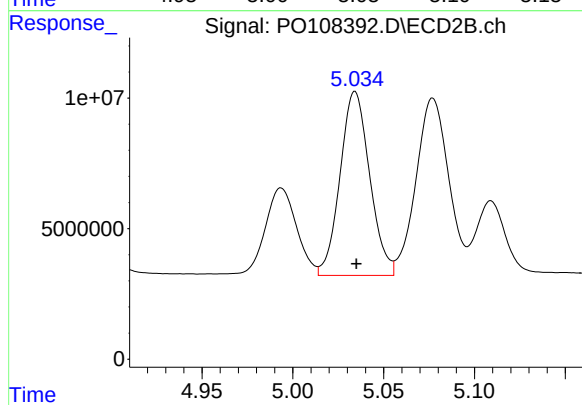
#21 AR-1248-1

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 56795368
Conc: 540.30 ng/ml



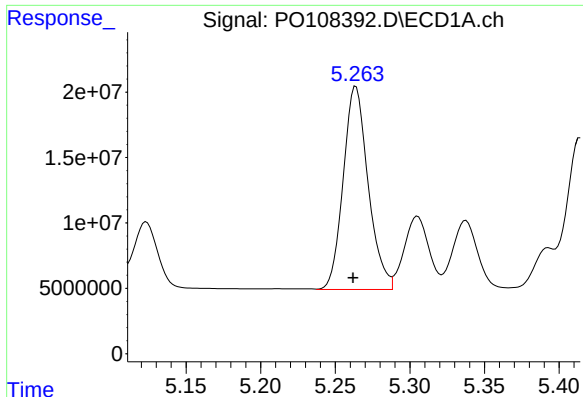
#22 AR-1248-2

R.T.: 5.048 min
Delta R.T.: 0.000 min
Response: 146797257
Conc: 529.60 ng/ml



#22 AR-1248-2

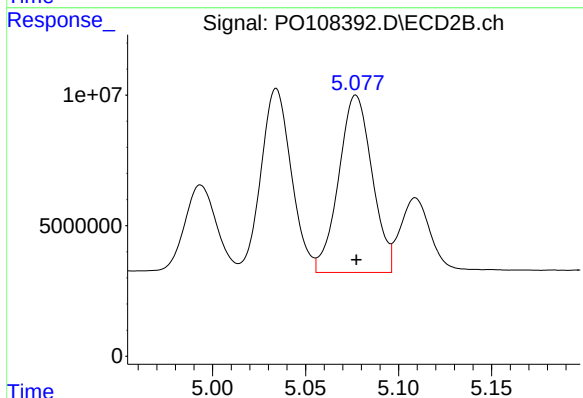
R.T.: 5.034 min
Delta R.T.: 0.000 min
Response: 80058605
Conc: 536.13 ng/ml



#23 AR-1248-3

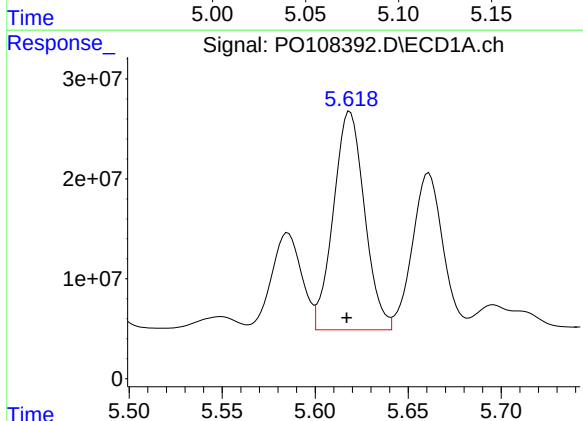
R.T.: 5.264 min
Delta R.T.: 0.002 min
Response: 180358449
Conc: 528.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1248



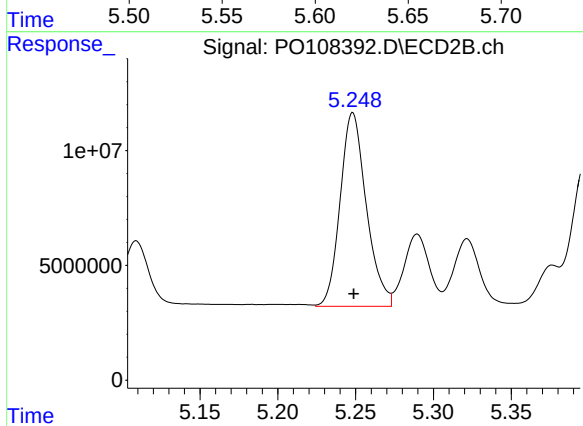
#23 AR-1248-3

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 84835876
Conc: 535.54 ng/ml



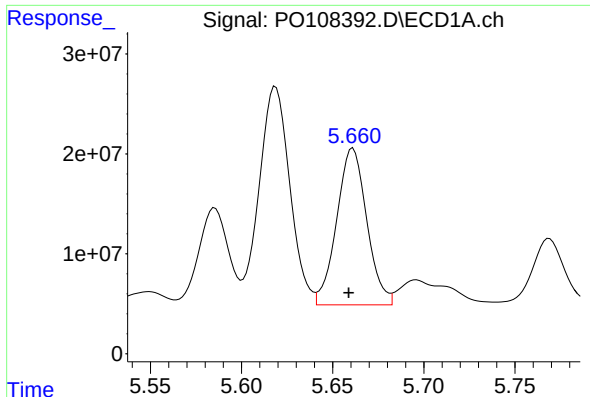
#24 AR-1248-4

R.T.: 5.619 min
Delta R.T.: 0.002 min
Response: 255093582
Conc: 535.32 ng/ml



#24 AR-1248-4

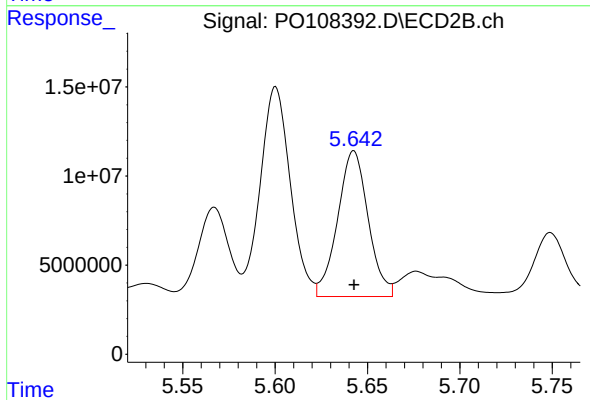
R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 98531455
Conc: 539.75 ng/ml



#25 AR-1248-5

R.T.: 5.661 min
Delta R.T.: 0.002 min
Response: 180365829
Conc: 532.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1248



#25 AR-1248-5

R.T.: 5.643 min
Delta R.T.: 0.000 min
Response: 94191450
Conc: 536.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO120624\
Data File : PO108393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 23:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
ICVPO120624AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:09:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:08:30 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...	3.709	3.707	496.6E6	280.8E6	54.077	54.172
2) SA Decachlor...	8.788	8.740	411.8E6	224.2E6	53.122	53.431
Target Compounds						
26) L6 AR-1254-1	5.620	5.601	273.4E6	144.3E6	532.286	532.859
27) L6 AR-1254-2	5.768	5.749	242.1E6	127.8E6	531.623	532.309
28) L6 AR-1254-3	6.175	6.153	387.5E6	203.0E6	538.152	540.509
29) L6 AR-1254-4	6.405	6.381	237.3E6	117.8E6	540.738	541.351
30) L6 AR-1254-5	6.827	6.800	339.7E6	174.8E6	534.857	541.443

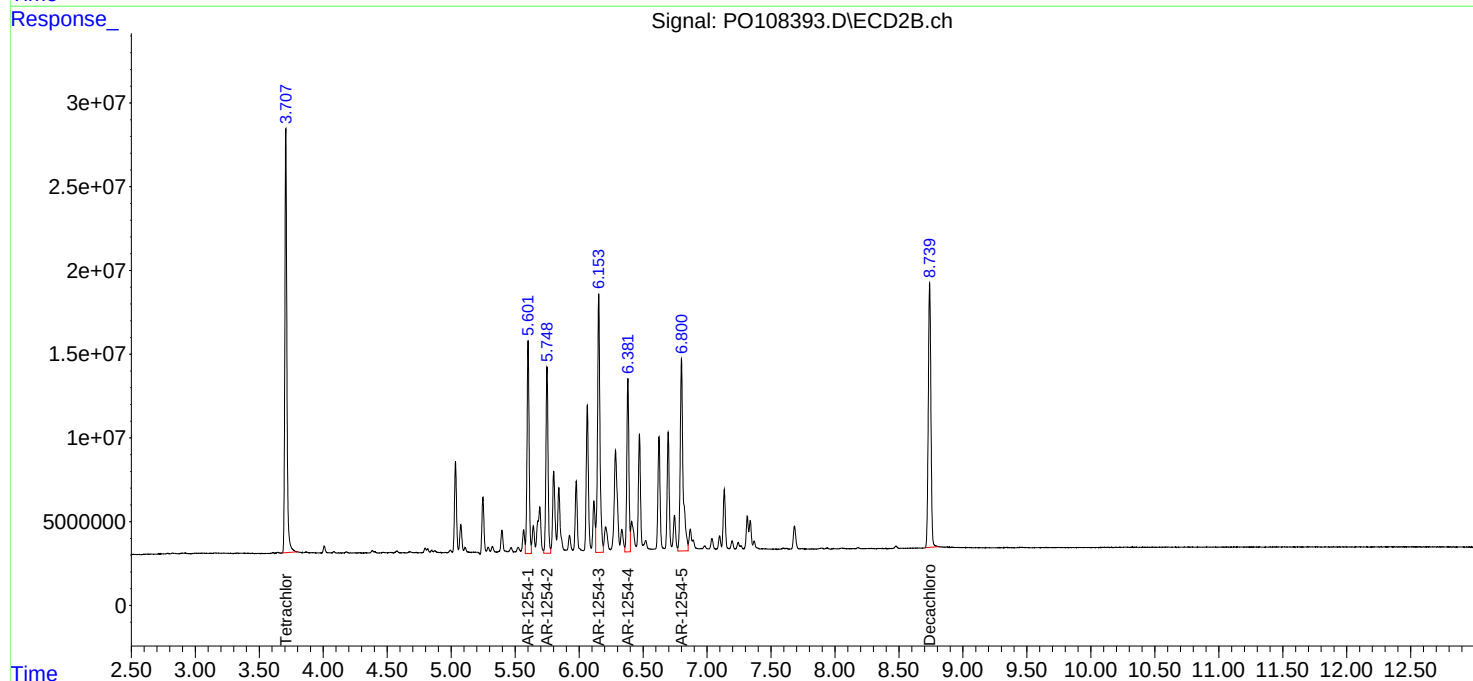
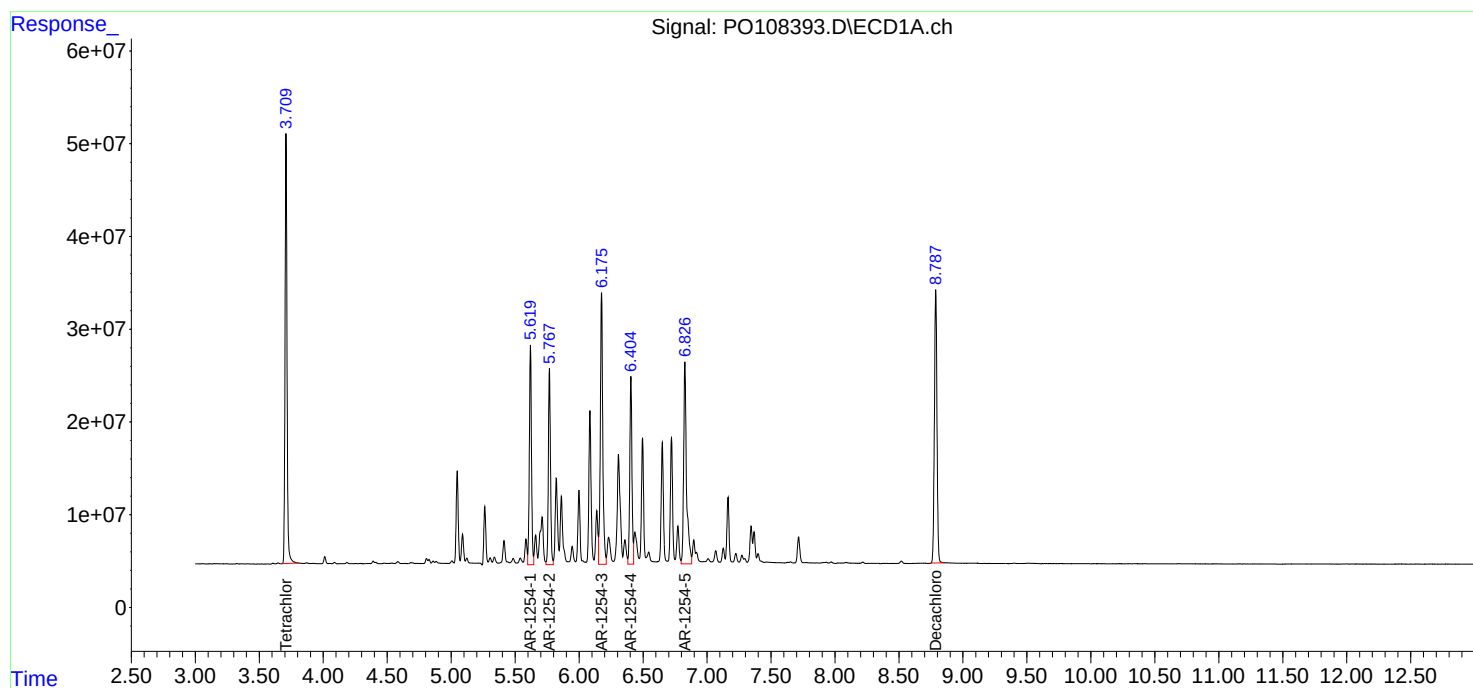
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

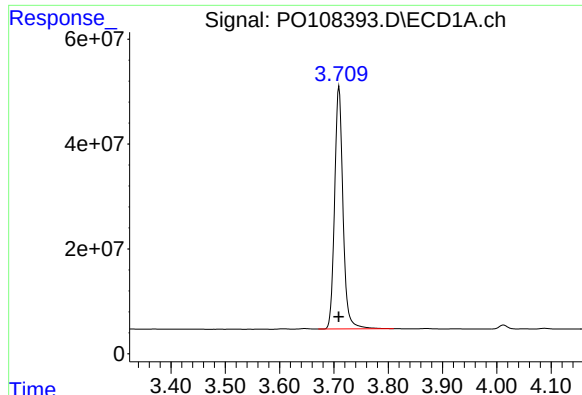
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 23:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:09:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:08:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

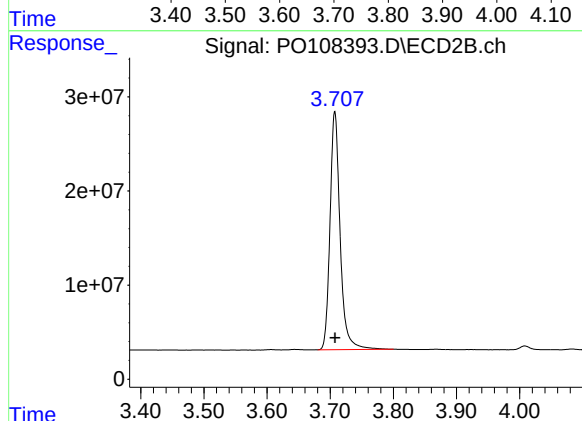




#1 Tetrachloro-m-xylene

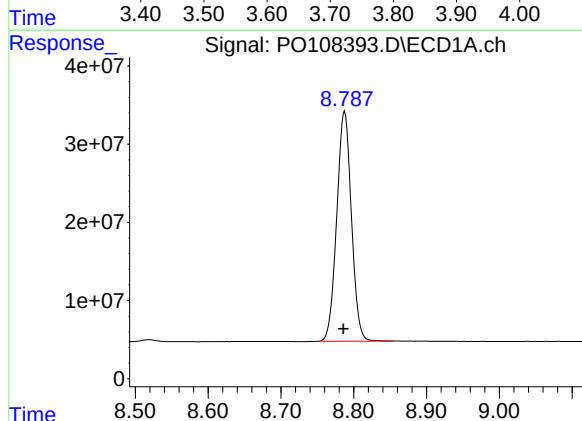
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 496582945
Conc: 54.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1254



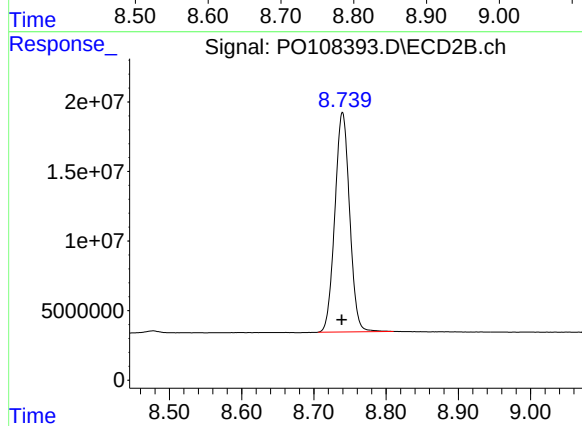
#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: 0.000 min
Response: 280770967
Conc: 54.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.788 min
Delta R.T.: 0.002 min
Response: 411835318
Conc: 53.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: 0.001 min
Response: 224175723
Conc: 53.43 ng/ml

Response_

Signal: PO108393.D\ECD1A.ch

#26 AR-1254-1

R.T.: 5.620 min

Delta R.T.: 0.002 min

Response: 273403576

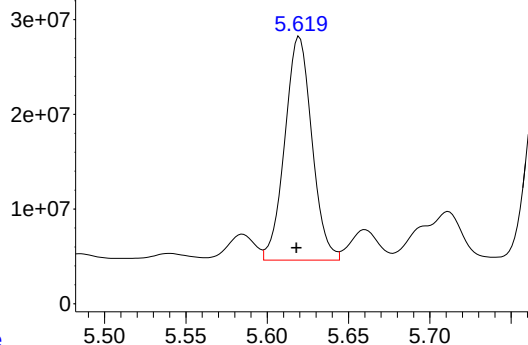
Conc: 532.29 ng/ml

Instrument :

ECD_O

ClientSampleId :

ICVPO120624AR1254



Time

Response_

Signal: PO108393.D\ECD2B.ch

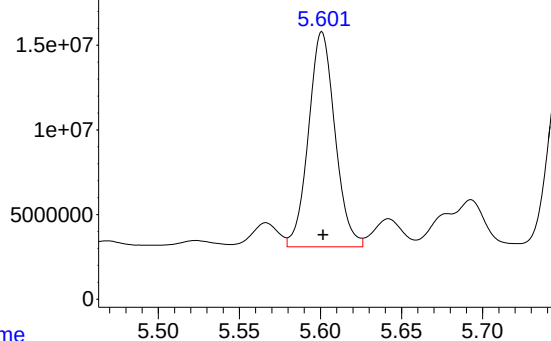
#26 AR-1254-1

R.T.: 5.601 min

Delta R.T.: 0.000 min

Response: 144315218

Conc: 532.86 ng/ml



Time

Response_

Signal: PO108393.D\ECD1A.ch

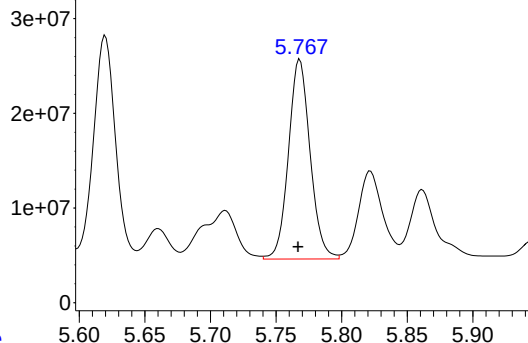
#27 AR-1254-2

R.T.: 5.768 min

Delta R.T.: 0.001 min

Response: 242131954

Conc: 531.62 ng/ml



Time

Response_

Signal: PO108393.D\ECD2B.ch

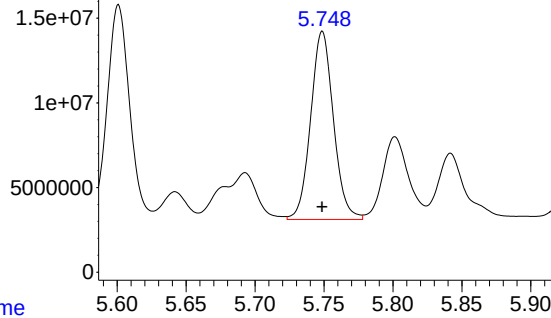
#27 AR-1254-2

R.T.: 5.749 min

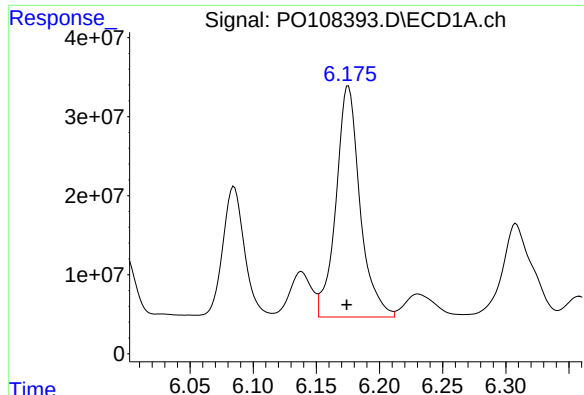
Delta R.T.: 0.000 min

Response: 127765050

Conc: 532.31 ng/ml



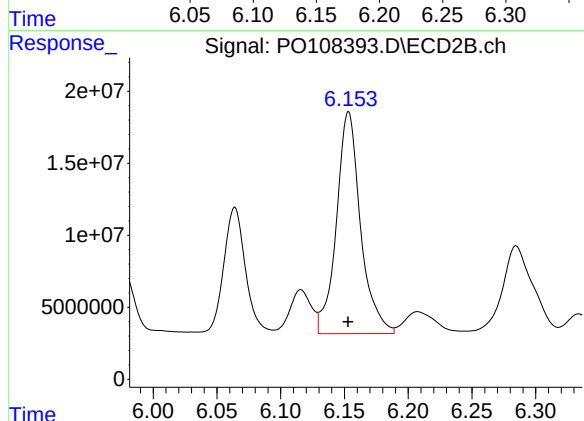
Time



#28 AR-1254-3

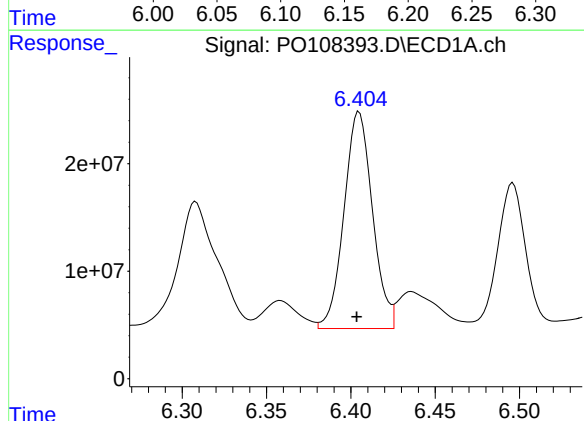
R.T.: 6.175 min
Delta R.T.: 0.001 min
Response: 387538706
Conc: 538.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1254



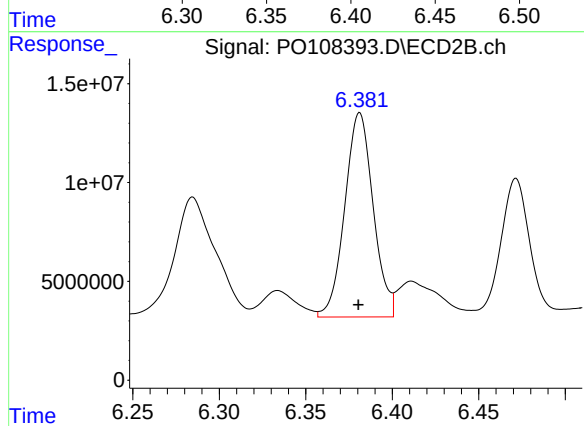
#28 AR-1254-3

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 202966969
Conc: 540.51 ng/ml



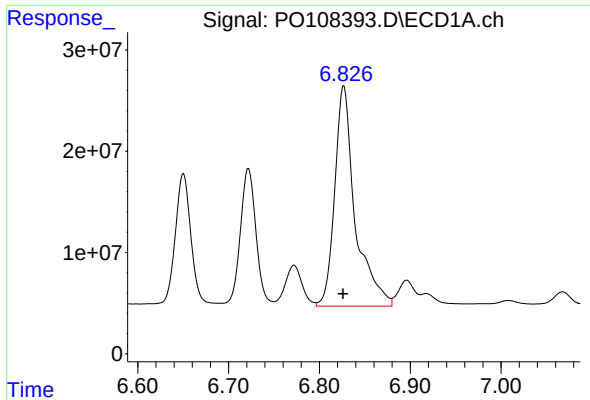
#29 AR-1254-4

R.T.: 6.405 min
Delta R.T.: 0.001 min
Response: 237282578
Conc: 540.74 ng/ml



#29 AR-1254-4

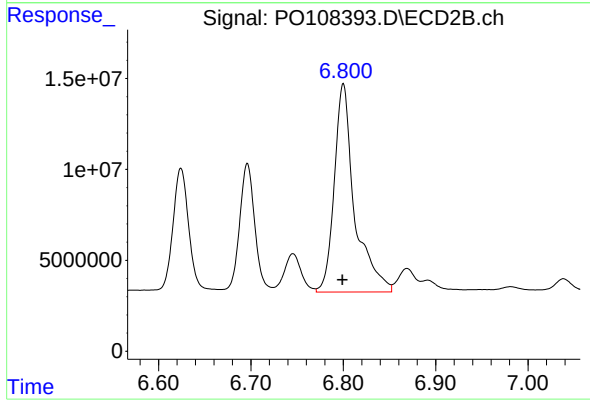
R.T.: 6.381 min
Delta R.T.: 0.000 min
Response: 117839788
Conc: 541.35 ng/ml



#30 AR-1254-5

R.T.: 6.827 min
Delta R.T.: 0.000 min
Response: 339699576
Conc: 534.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1254



#30 AR-1254-5

R.T.: 6.800 min
Delta R.T.: 0.000 min
Response: 174756076
Conc: 541.44 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Dec 2024 00:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:47:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:46:47 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...	3.709	3.708	445.9E6	250.8E6	48.476	48.664
2) SA Decachlor...	8.786	8.739	629.8E6	343.6E6	47.715	47.815
Target Compounds						
41) L9 AR-1268-1	7.655	7.624	596.7E6	310.0E6	479.624	479.987
42) L9 AR-1268-2	7.719	7.688	536.9E6	279.8E6	478.639	481.104
43) L9 AR-1268-3	7.931	7.898	429.9E6	238.3E6	474.352	477.608
44) L9 AR-1268-4	8.217	8.181	185.6E6	97713362	479.679	481.254
45) L9 AR-1268-5	8.519	8.477	1339.4E6	717.3E6	483.179	483.115

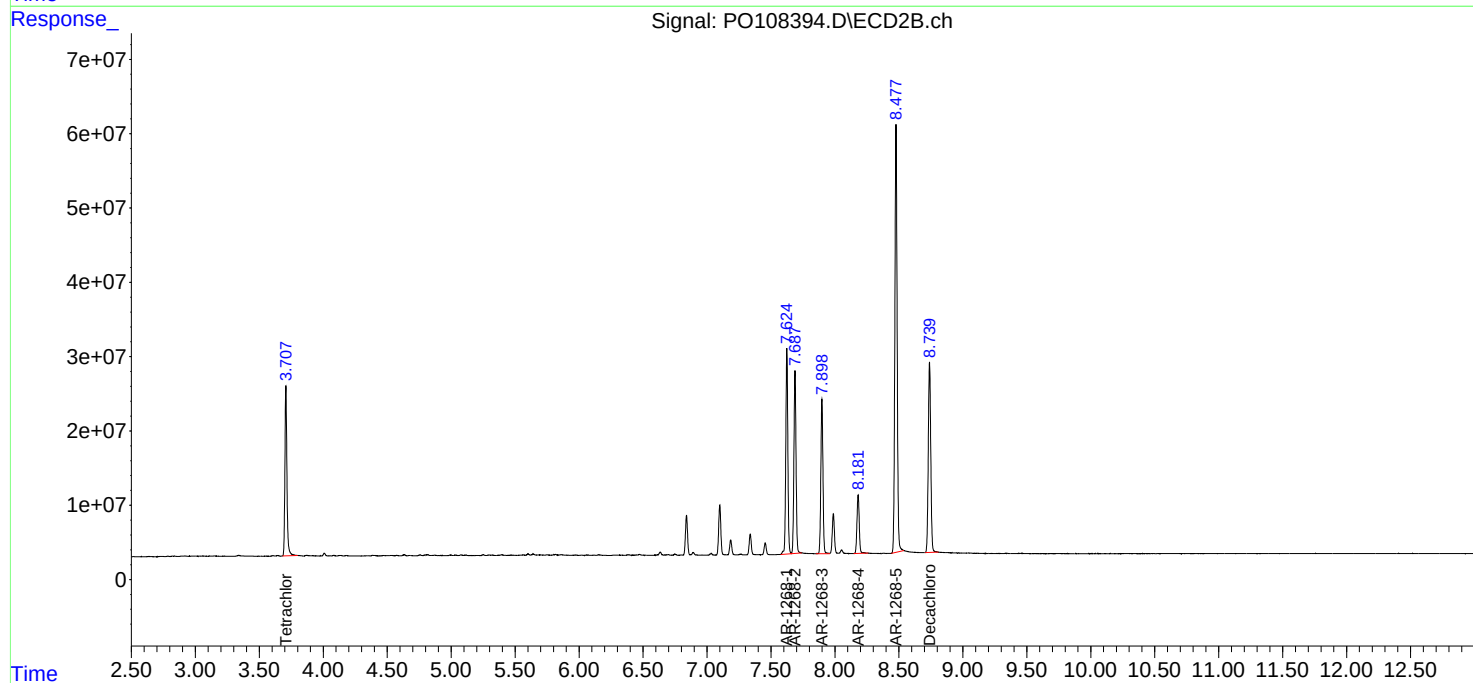
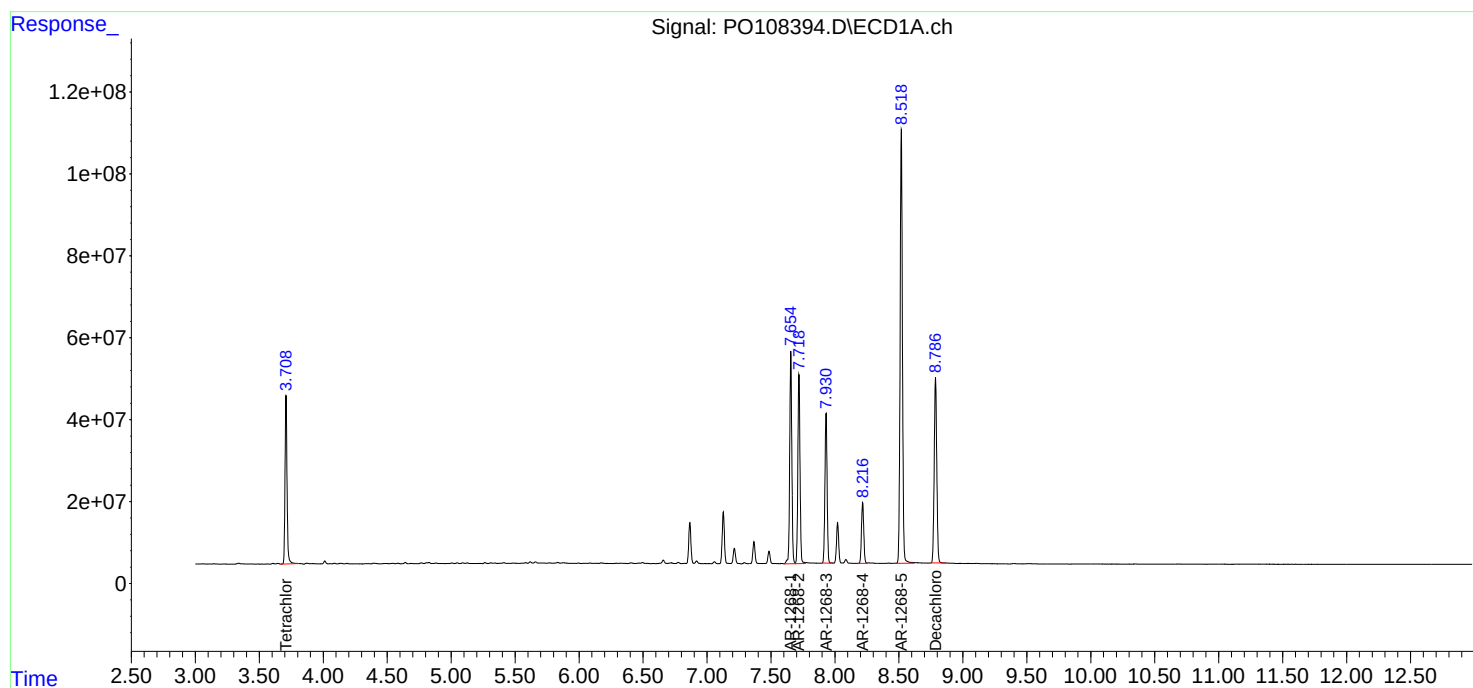
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

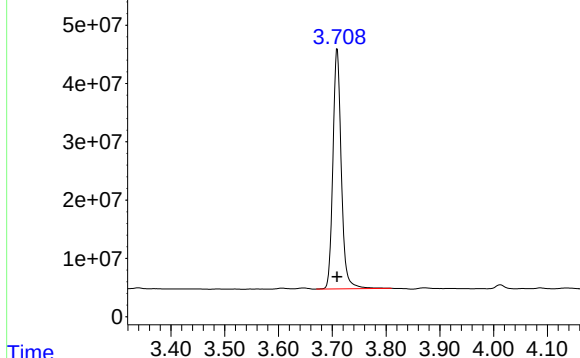
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Dec 2024 00:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:47:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:46:47 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





R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 445948165
Conc: 48.48 ng/ml

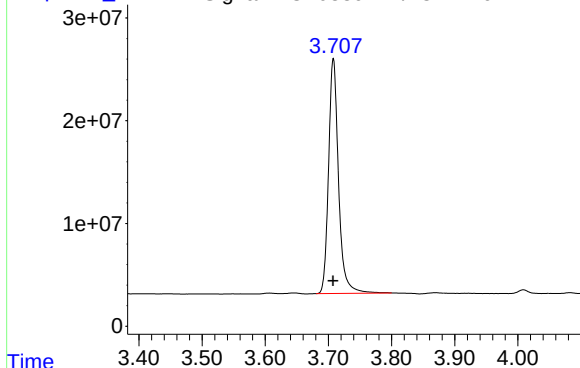
Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268

Time

Response_

Signal: PO108394.D\ECD2B.ch

#1 Tetrachloro-m-xylene



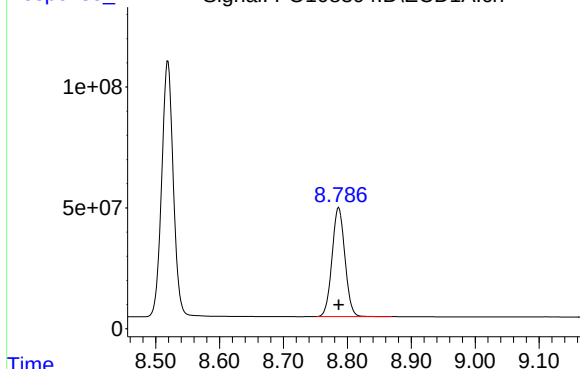
R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 250757677
Conc: 48.66 ng/ml

Time

Response_

Signal: PO108394.D\ECD1A.ch

#2 Decachlorobiphenyl



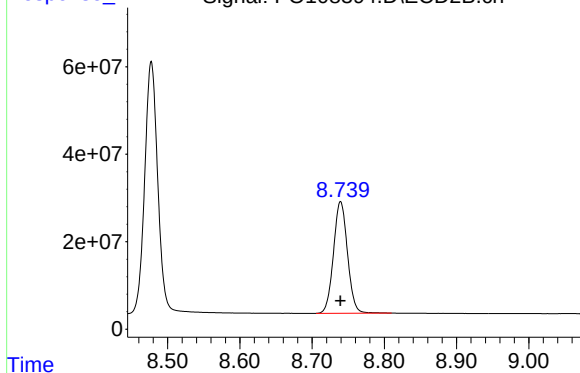
R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 629800695
Conc: 47.71 ng/ml

Time

Response_

Signal: PO108394.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 343554515
Conc: 47.82 ng/ml

Time

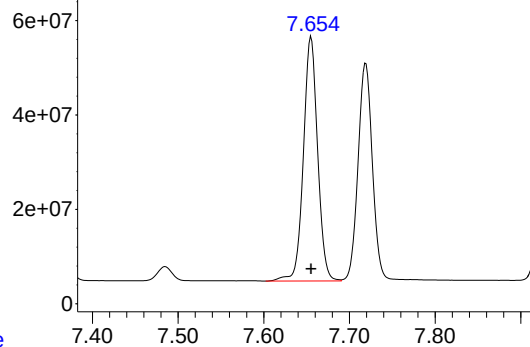
Response_

Signal: PO108394.D\ECD1A.ch

#41 AR-1268-1

R.T.: 7.655 min
Delta R.T.: 0.000 min
Response: 596659044
Conc: 479.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268



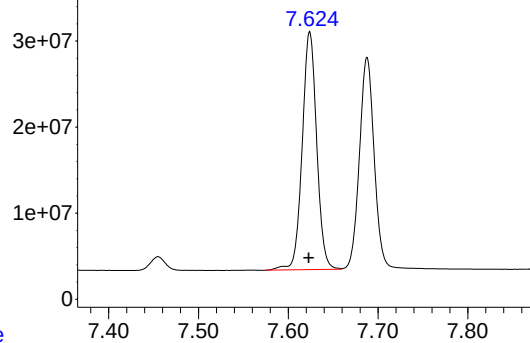
Time

Response_

Signal: PO108394.D\ECD2B.ch

#41 AR-1268-1

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 310034932
Conc: 479.99 ng/ml



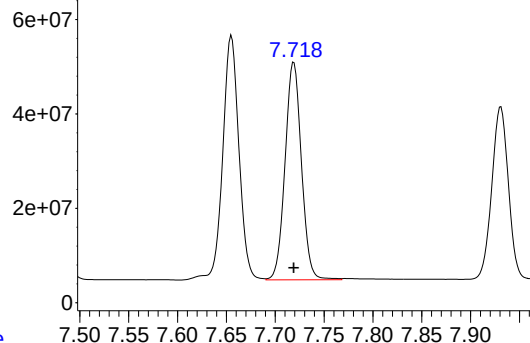
Time

Response_

Signal: PO108394.D\ECD1A.ch

#42 AR-1268-2

R.T.: 7.719 min
Delta R.T.: 0.000 min
Response: 536870958
Conc: 478.64 ng/ml



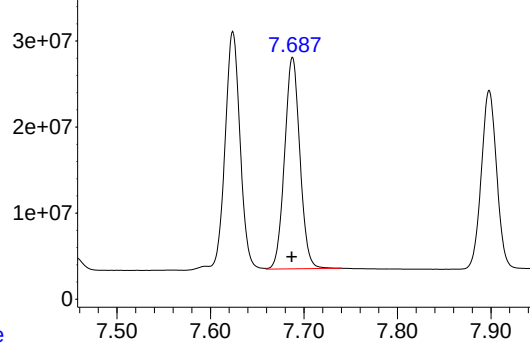
Time

Response_

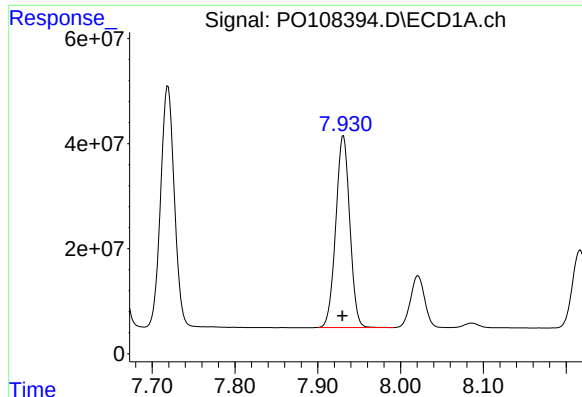
Signal: PO108394.D\ECD2B.ch

#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 279774876
Conc: 481.10 ng/ml



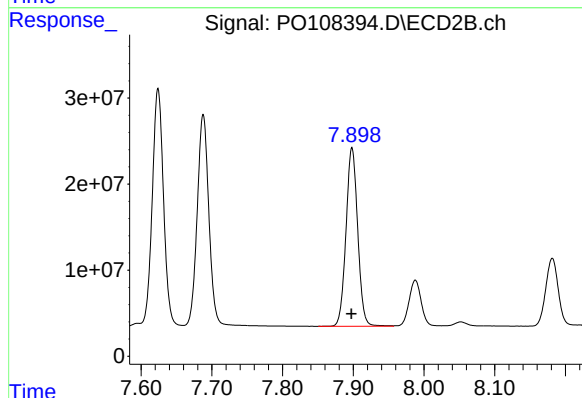
Time



#43 AR-1268-3

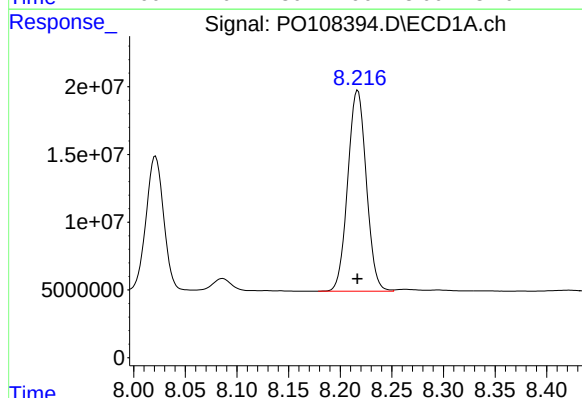
R.T.: 7.931 min
Delta R.T.: 0.001 min
Response: 429858567
Conc: 474.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268



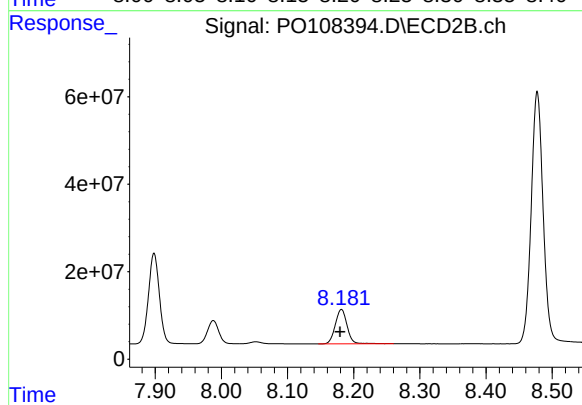
#43 AR-1268-3

R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 238264007
Conc: 477.61 ng/ml



#44 AR-1268-4

R.T.: 8.217 min
Delta R.T.: 0.000 min
Response: 185589019
Conc: 479.68 ng/ml



#44 AR-1268-4

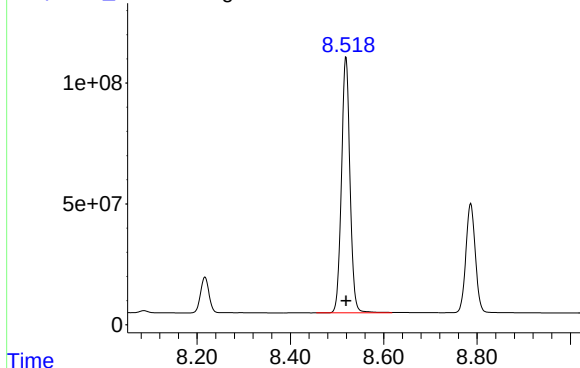
R.T.: 8.181 min
Delta R.T.: 0.002 min
Response: 97713362
Conc: 481.25 ng/ml

Response_

Signal: PO108394.D\ECD1A.ch

#45 AR-1268-5

ICAL Form



R.T.: 8.519 min
Delta R.T.: 0.000 min
Response: 1339363453
Conc: 483.18 ng/ml

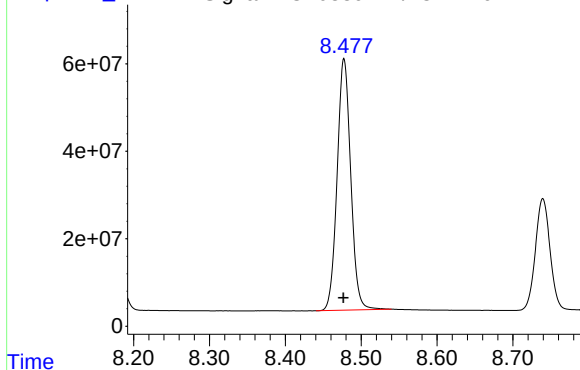
Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268

Time

Response_

Signal: PO108394.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min
Delta R.T.: 0.000 min
Response: 717341860
Conc: 483.12 ng/ml

Time



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Continuing Calib Date: 12/26/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 09:31 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-4	(4)	5.00	5.01	4.91	5.11	0.01
Aroclor-1016-5	(5)	5.25	5.27	5.17	5.37	0.02
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.48	6.50	6.40	6.60	0.02
Aroclor-1260-3	(3)	6.85	6.87	6.77	6.97	0.02
Aroclor-1260-4	(4)	7.11	7.13	7.03	7.23	0.02
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.77	8.79	8.69	8.89	0.02



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Continuing Calib Date: 12/26/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 09:31 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.02
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.27	6.29	6.19	6.39	0.02
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.61	6.63	6.53	6.73	0.02
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.02
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.72	8.74	8.64	8.84	0.02



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL01 Date Analyzed: 12/26/2024

Lab Sample No.: AR1660CCC500 Data File : PO108758.D Time Analyzed: 09:31

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.798	4.709	4.909	492.260	500.000	-1.5
Aroclor-1016-2	4.819	4.729	4.929	555.520	500.000	11.1
Aroclor-1016-3	4.875	4.785	4.985	566.500	500.000	13.3
Aroclor-1016-4	4.996	4.907	5.107	554.660	500.000	10.9
Aroclor-1016-5	5.254	5.165	5.365	545.160	500.000	9.0
Aroclor-1260-1	6.296	6.210	6.410	532.910	500.000	6.6
Aroclor-1260-2	6.484	6.398	6.598	520.070	500.000	4.0
Aroclor-1260-3	6.854	6.769	6.969	508.280	500.000	1.7
Aroclor-1260-4	7.114	7.029	7.229	500.340	500.000	0.1
Aroclor-1260-5	7.355	7.270	7.470	505.130	500.000	1.0
Decachlorobiphenyl	8.768	8.691	8.891	48.400	50.000	-3.2
Tetrachloro-m-xylene	3.703	3.610	3.810	58.440	50.000	16.9



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL01 Date Analyzed: 12/26/2024

Lab Sample No.: AR1660CCC500 Data File : PO108758.D Time Analyzed: 09:31

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.785	4.698	4.898	523.530	500.000	4.7
Aroclor-1016-2	4.805	4.718	4.918	530.700	500.000	6.1
Aroclor-1016-3	4.981	4.894	5.094	521.170	500.000	4.2
Aroclor-1016-4	5.022	4.935	5.135	517.040	500.000	3.4
Aroclor-1016-5	5.236	5.150	5.350	538.660	500.000	7.7
Aroclor-1260-1	6.269	6.186	6.386	539.930	500.000	8.0
Aroclor-1260-2	6.456	6.373	6.573	533.550	500.000	6.7
Aroclor-1260-3	6.610	6.527	6.727	525.430	500.000	5.1
Aroclor-1260-4	7.081	7.000	7.200	541.640	500.000	8.3
Aroclor-1260-5	7.321	7.239	7.439	544.970	500.000	9.0
Decachlorobiphenyl	8.717	8.641	8.841	51.720	50.000	3.4
Tetrachloro-m-xylene	3.700	3.608	3.808	54.500	50.000	9.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
 Data File : PO108758.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Dec 2024 09:31
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AR1660CCC500

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 26 13:17:02 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	508.4E6	276.3E6	58.439	54.502
2) SA Decachlor...	8.768	8.717	353.5E6	200.4E6	48.402	51.717
Target Compounds						
3) L1 AR-1016-1	4.798	4.785	151.8E6	84012877	492.259m	523.529m
4) L1 AR-1016-2	4.819	4.805	231.9E6	117.9E6	555.516	530.698
5) L1 AR-1016-3	4.875	4.981	165.8E6	65581081	566.504	521.173
6) L1 AR-1016-4	4.996	5.022	128.2E6	54189024	554.665	517.042
7) L1 AR-1016-5	5.254	5.236	137.2E6	72832421	545.163	538.657
31) L7 AR-1260-1	6.296	6.269	243.6E6	126.4E6	532.907	539.927
32) L7 AR-1260-2	6.484	6.456	289.0E6	149.7E6	520.068	533.551
33) L7 AR-1260-3	6.854	6.610	235.7E6	138.5E6	508.278	525.428
34) L7 AR-1260-4	7.114	7.081	212.8E6	115.2E6	500.338	541.645m
35) L7 AR-1260-5	7.355	7.321	490.9E6	263.7E6	505.135	544.966

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108758.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 09:31
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AR1660CCC500

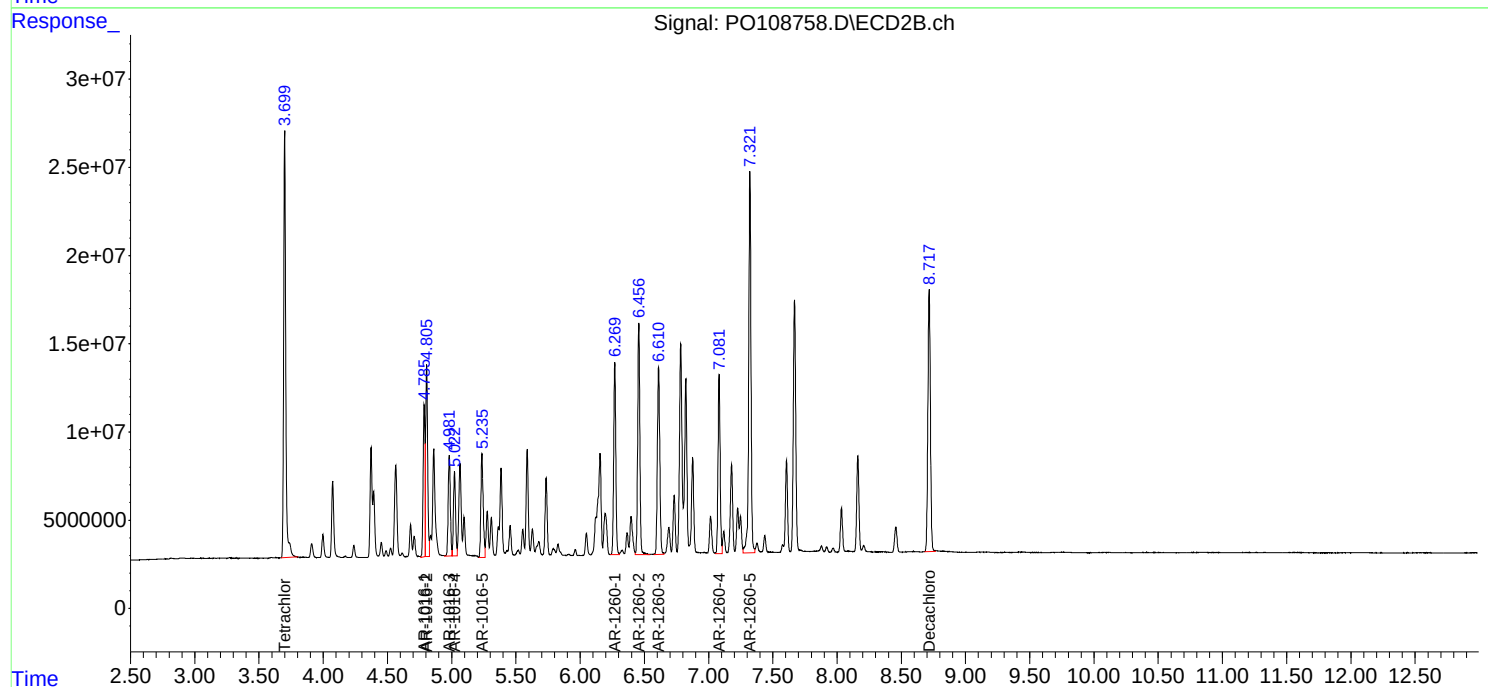
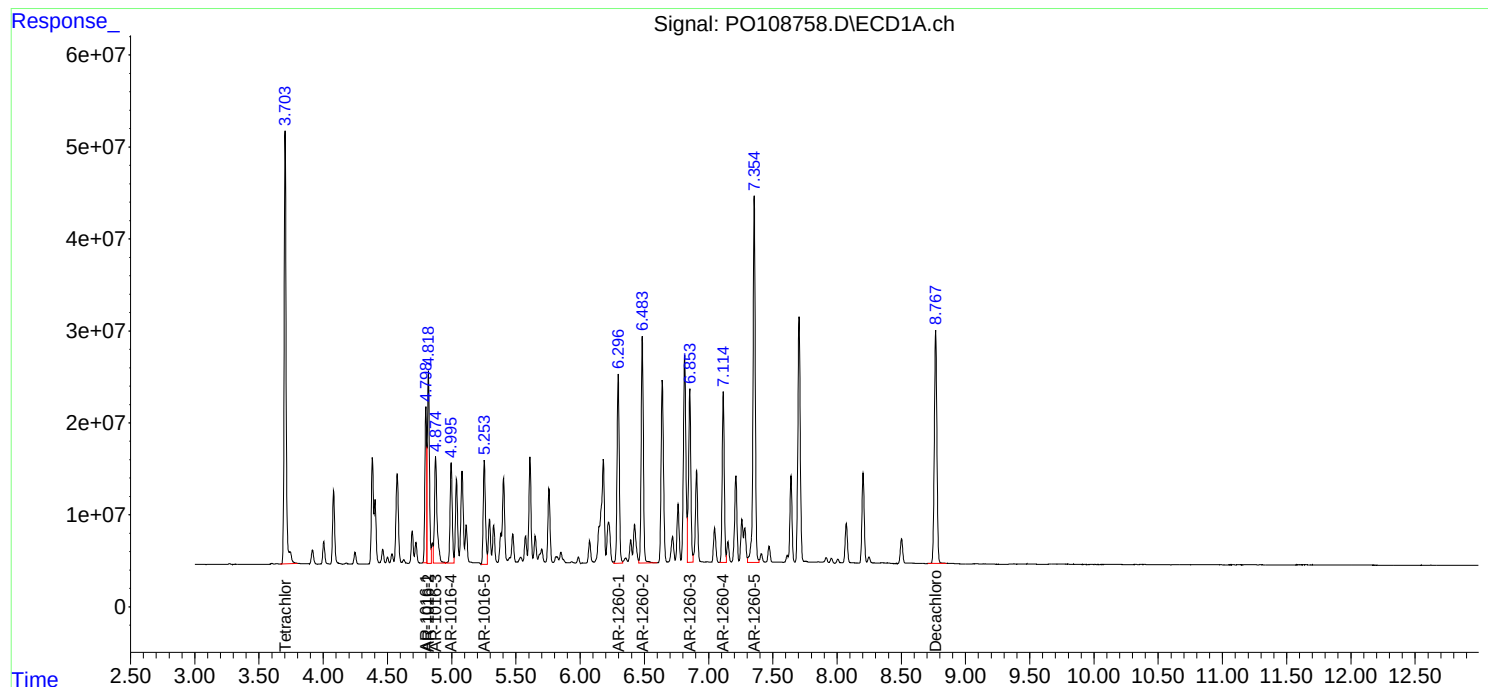
Manual Integrations

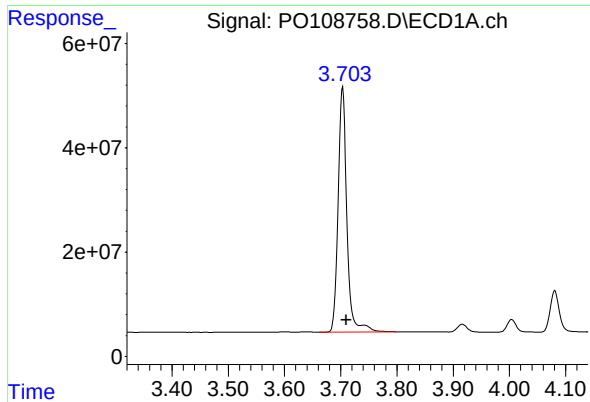
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 13:17:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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.: 3.703 min
Delta R.T.: -0.007 min
Response: 508430498
Conc: 58.44 ng/ml

Instrument :

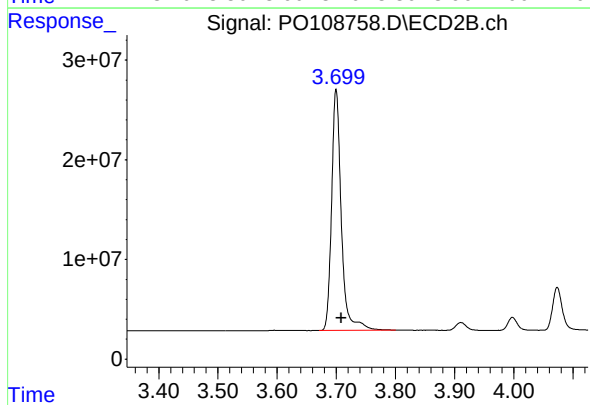
ECD_O

ClientSampleId :

AR1660CCC500

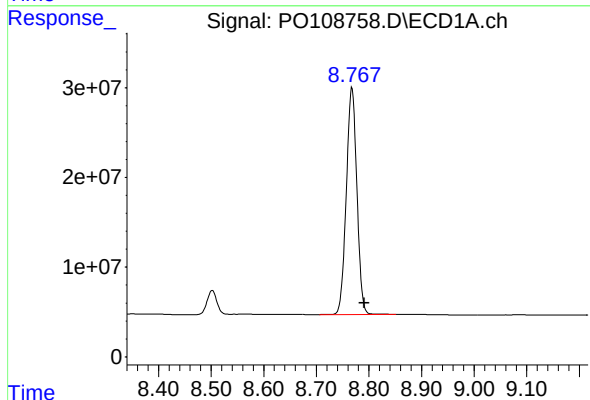
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



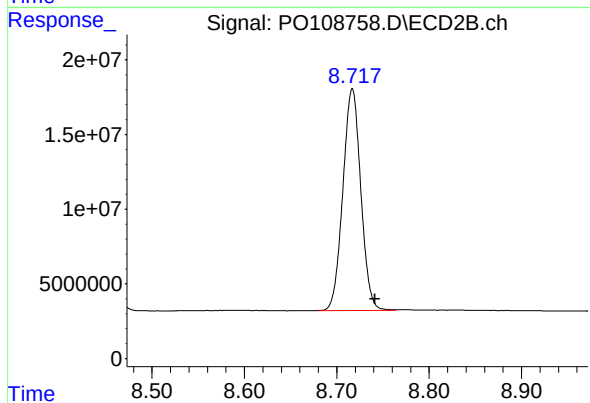
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.009 min
Response: 276291804
Conc: 54.50 ng/ml



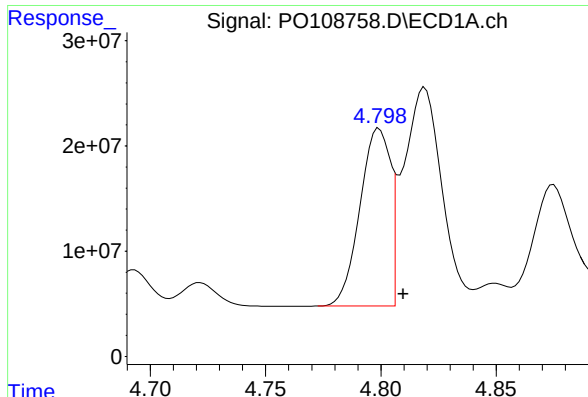
#2 Decachlorobiphenyl

R.T.: 8.768 min
Delta R.T.: -0.023 min
Response: 353533229
Conc: 48.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.717 min
Delta R.T.: -0.024 min
Response: 200401021
Conc: 51.72 ng/ml



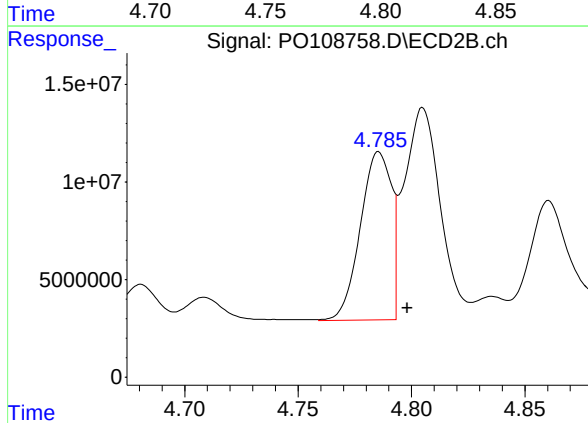
#3 AR-1016-1

R.T.: 4.798 min
Delta R.T.: -0.011 min
Response: 151833964
Conc: 492.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

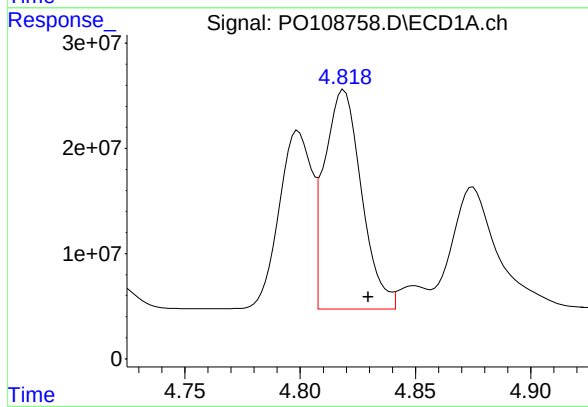
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



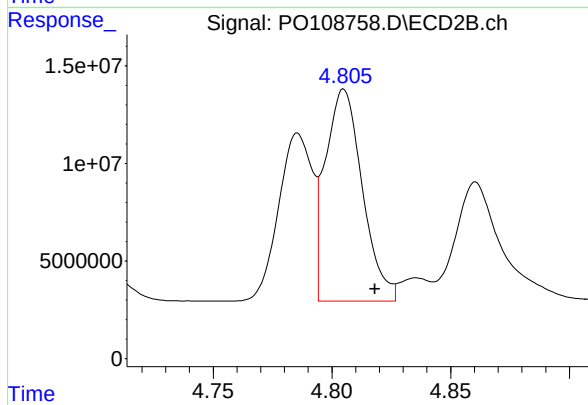
#3 AR-1016-1

R.T.: 4.785 min
Delta R.T.: -0.013 min
Response: 84012877
Conc: 523.53 ng/ml



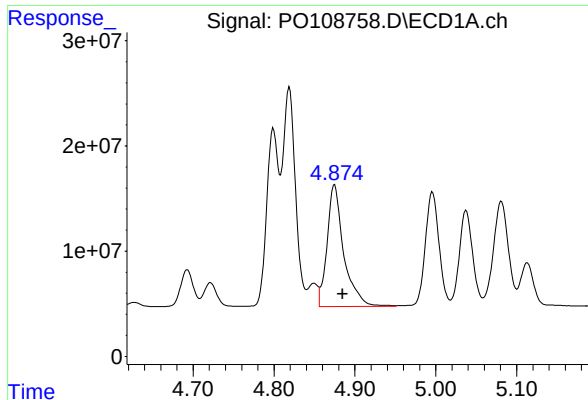
#4 AR-1016-2

R.T.: 4.819 min
Delta R.T.: -0.011 min
Response: 231882927
Conc: 555.52 ng/ml



#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: -0.013 min
Response: 117864229
Conc: 530.70 ng/ml



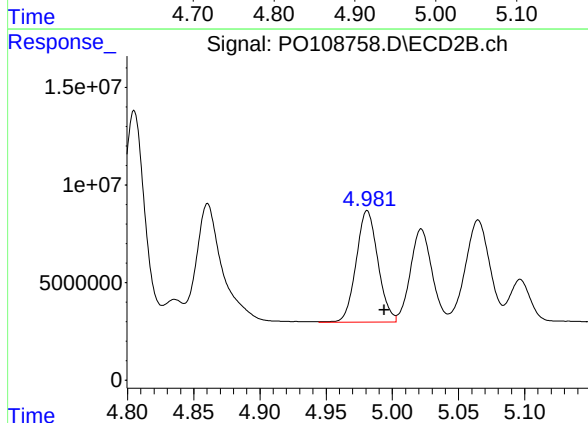
#5 AR-1016-3

R.T.: 4.875 min
Delta R.T.: -0.010 min
Response: 165776872
Conc: 566.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

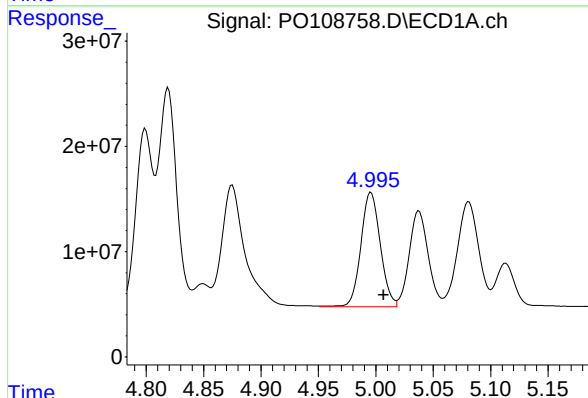
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



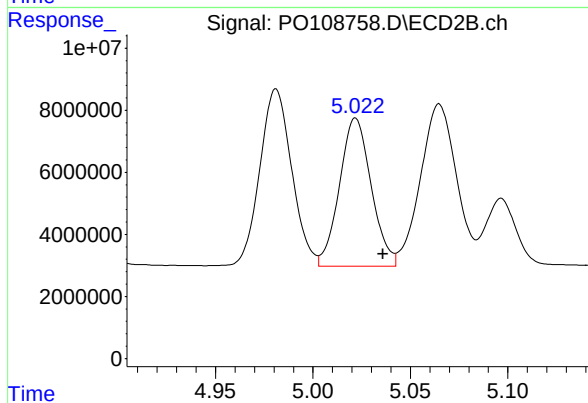
#5 AR-1016-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 65581081
Conc: 521.17 ng/ml



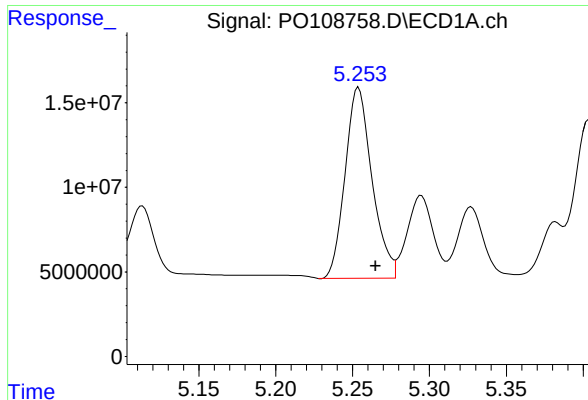
#6 AR-1016-4

R.T.: 4.996 min
Delta R.T.: -0.011 min
Response: 128225703
Conc: 554.66 ng/ml



#6 AR-1016-4

R.T.: 5.022 min
Delta R.T.: -0.014 min
Response: 54189024
Conc: 517.04 ng/ml



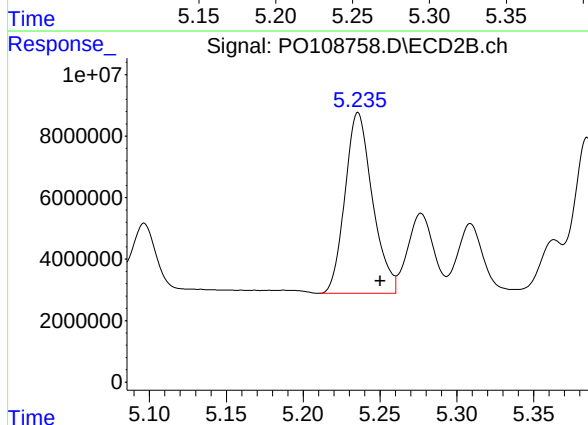
#7 AR-1016-5

R.T.: 5.254 min
Delta R.T.: -0.011 min
Response: 137201161
Conc: 545.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

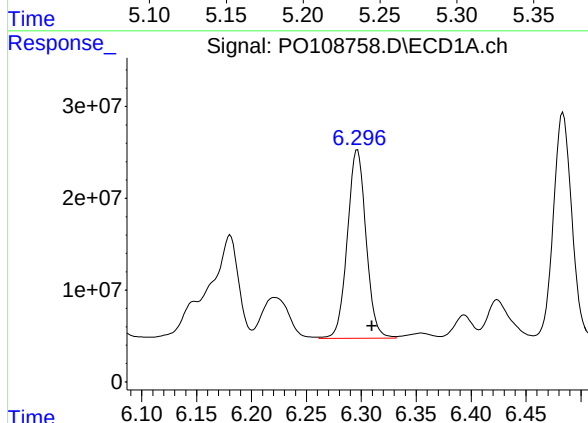
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



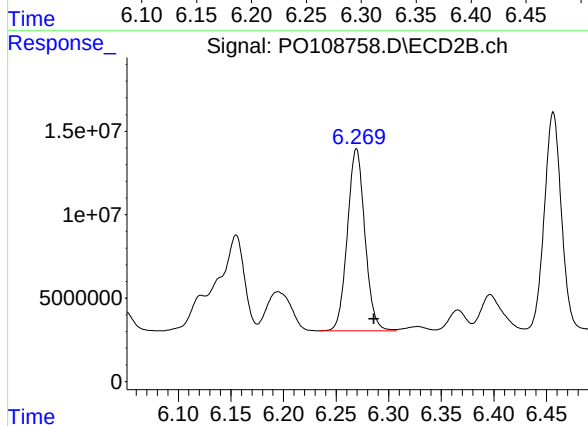
#7 AR-1016-5

R.T.: 5.236 min
Delta R.T.: -0.014 min
Response: 72832421
Conc: 538.66 ng/ml



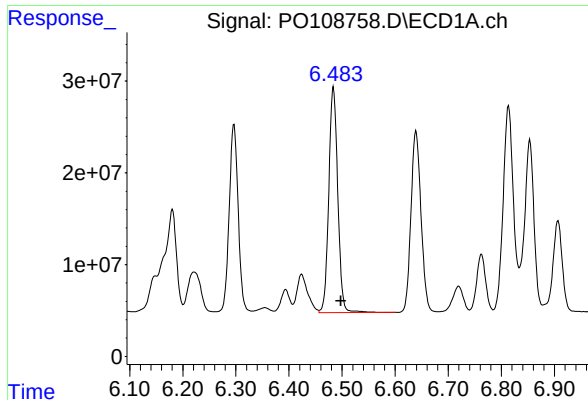
#31 AR-1260-1

R.T.: 6.296 min
Delta R.T.: -0.013 min
Response: 243615738
Conc: 532.91 ng/ml



#31 AR-1260-1

R.T.: 6.269 min
Delta R.T.: -0.017 min
Response: 126362125
Conc: 539.93 ng/ml



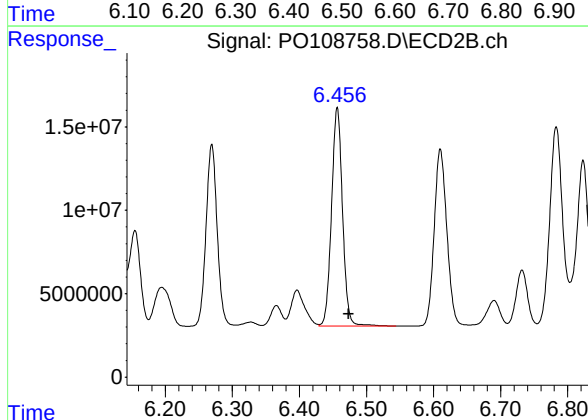
#32 AR-1260-2

R.T.: 6.484 min
Delta R.T.: -0.014 min
Response: 289011931
Conc: 520.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

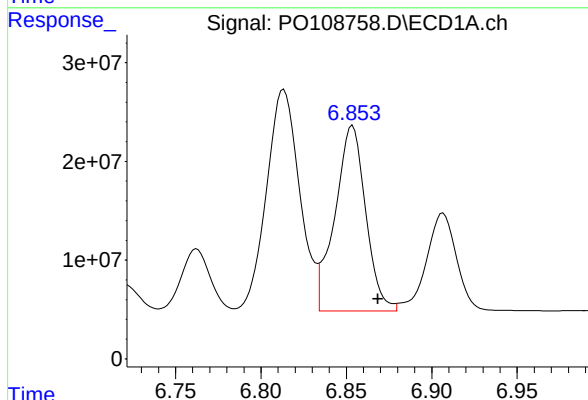
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



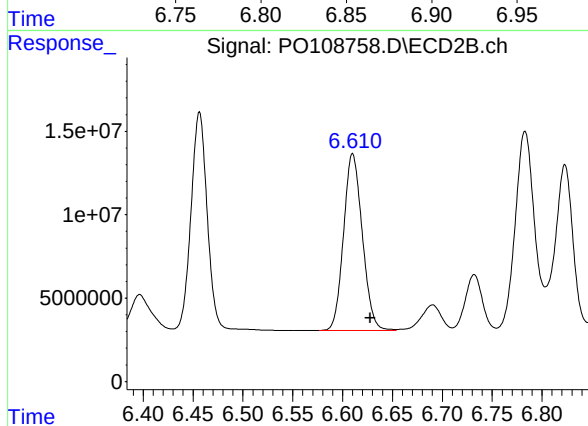
#32 AR-1260-2

R.T.: 6.456 min
Delta R.T.: -0.017 min
Response: 149697101
Conc: 533.55 ng/ml



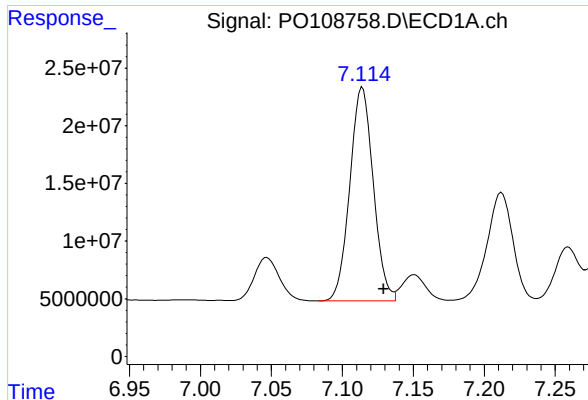
#33 AR-1260-3

R.T.: 6.854 min
Delta R.T.: -0.015 min
Response: 235677394
Conc: 508.28 ng/ml



#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.018 min
Response: 138486176
Conc: 525.43 ng/ml



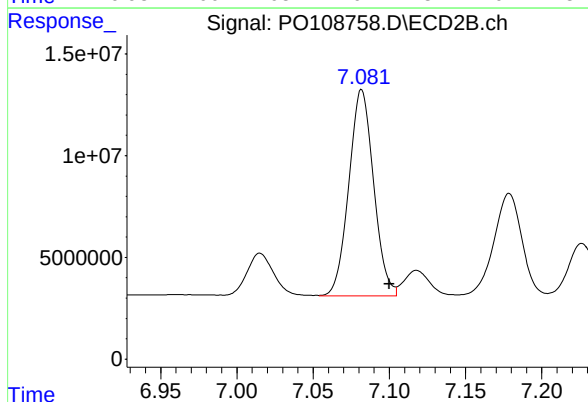
#34 AR-1260-4

R.T.: 7.114 min
Delta R.T.: -0.015 min
Response: 212813859
Conc: 500.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

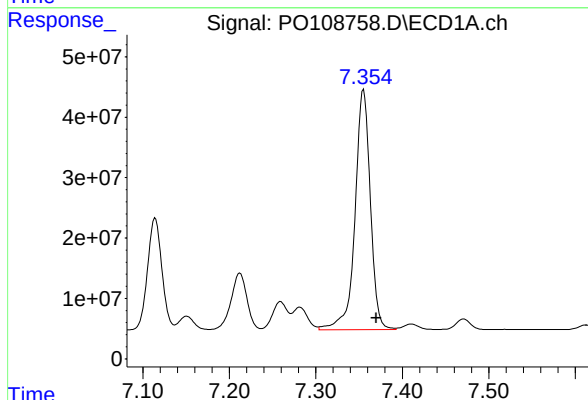
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



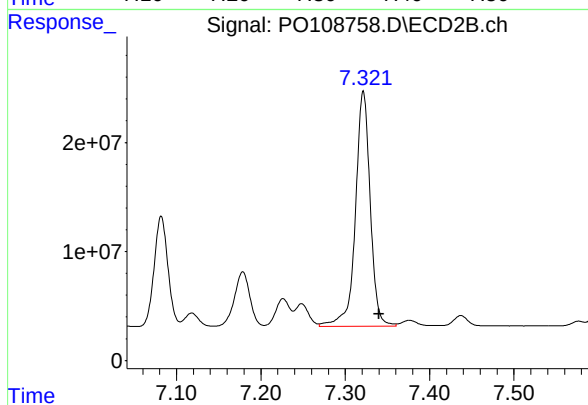
#34 AR-1260-4

R.T.: 7.081 min
Delta R.T.: -0.019 min
Response: 115235003
Conc: 541.64 ng/ml



#35 AR-1260-5

R.T.: 7.355 min
Delta R.T.: -0.015 min
Response: 490931965
Conc: 505.13 ng/ml



#35 AR-1260-5

R.T.: 7.321 min
Delta R.T.: -0.019 min
Response: 263727201
Conc: 544.97 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Continuing Calib Date: 12/26/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 16:10 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	4.87	4.89	4.79	4.99	0.02
Aroclor-1016-4	(4)	5.00	5.01	4.91	5.11	0.01
Aroclor-1016-5	(5)	5.25	5.27	5.17	5.37	0.02
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.48	6.50	6.40	6.60	0.02
Aroclor-1260-3	(3)	6.85	6.87	6.77	6.97	0.02
Aroclor-1260-4	(4)	7.11	7.13	7.03	7.23	0.02
Aroclor-1260-5	(5)	7.35	7.37	7.27	7.47	0.02
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.77	8.79	8.69	8.89	0.02



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Continuing Calib Date: 12/26/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 16:10 Initial Calibration Time(s): 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.02
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.27	6.29	6.19	6.39	0.02
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.61	6.63	6.53	6.73	0.02
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.02
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.72	8.74	8.64	8.84	0.02



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL02 Date Analyzed: 12/26/2024

Lab Sample No.: AR1660CCC500 Data File : PO108773.D Time Analyzed: 16:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.798	4.709	4.909	500.920	500.000	0.2
Aroclor-1016-2	4.819	4.729	4.929	536.280	500.000	7.3
Aroclor-1016-3	4.874	4.785	4.985	543.260	500.000	8.7
Aroclor-1016-4	4.996	4.907	5.107	553.060	500.000	10.6
Aroclor-1016-5	5.254	5.165	5.365	531.340	500.000	6.3
Aroclor-1260-1	6.296	6.210	6.410	460.940	500.000	-7.8
Aroclor-1260-2	6.484	6.398	6.598	500.470	500.000	0.1
Aroclor-1260-3	6.853	6.769	6.969	489.770	500.000	-2.0
Aroclor-1260-4	7.113	7.029	7.229	448.450	500.000	-10.3
Aroclor-1260-5	7.354	7.270	7.470	434.300	500.000	-13.1
Decachlorobiphenyl	8.766	8.691	8.891	41.820	50.000	-16.4
Tetrachloro-m-xylene	3.703	3.610	3.810	55.860	50.000	11.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL02 Date Analyzed: 12/26/2024

Lab Sample No.: AR1660CCC500 Data File : PO108773.D Time Analyzed: 16:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.785	4.698	4.898	546.650	500.000	9.3
Aroclor-1016-2	4.806	4.718	4.918	538.450	500.000	7.7
Aroclor-1016-3	4.981	4.894	5.094	528.610	500.000	5.7
Aroclor-1016-4	5.022	4.935	5.135	515.360	500.000	3.1
Aroclor-1016-5	5.236	5.150	5.350	549.390	500.000	9.9
Aroclor-1260-1	6.270	6.186	6.386	508.560	500.000	1.7
Aroclor-1260-2	6.457	6.373	6.573	501.550	500.000	0.3
Aroclor-1260-3	6.610	6.527	6.727	500.950	500.000	0.2
Aroclor-1260-4	7.083	7.000	7.200	502.140	500.000	0.4
Aroclor-1260-5	7.322	7.239	7.439	505.850	500.000	1.2
Decachlorobiphenyl	8.716	8.641	8.841	47.280	50.000	-5.4
Tetrachloro-m-xylene	3.700	3.608	3.808	53.750	50.000	7.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
 Data File : PO108773.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Dec 2024 16:10
 Operator : YP/AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AR1660CCC500

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
 Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 26 20:27:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	486.0E6	272.5E6	55.863	53.753
2) SA Decachlor...	8.766	8.716	305.4E6	183.2E6	41.816	47.280
Target Compounds						
3) L1 AR-1016-1	4.798	4.785	154.5E6	87723512	500.915m	546.652m
4) L1 AR-1016-2	4.819	4.806	223.9E6	119.6E6	536.279	538.453
5) L1 AR-1016-3	4.874	4.981	159.0E6	66516293	543.263m	528.605
6) L1 AR-1016-4	4.996	5.022	127.9E6	54012709	553.059	515.359
7) L1 AR-1016-5	5.254	5.236	133.7E6	74283899	531.341	549.392
31) L7 AR-1260-1	6.296	6.270	210.7E6	119.0E6	460.941	508.557
32) L7 AR-1260-2	6.484	6.457	278.1E6	140.7E6	500.474	501.547
33) L7 AR-1260-3	6.853	6.610	227.1E6	132.0E6	489.769	500.953
34) L7 AR-1260-4	7.113	7.083	190.7E6	106.8E6	448.454	502.137
35) L7 AR-1260-5	7.354	7.322	422.1E6	244.8E6	434.304	505.851

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108773.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 16:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AR1660CCC500

Manual Integrations

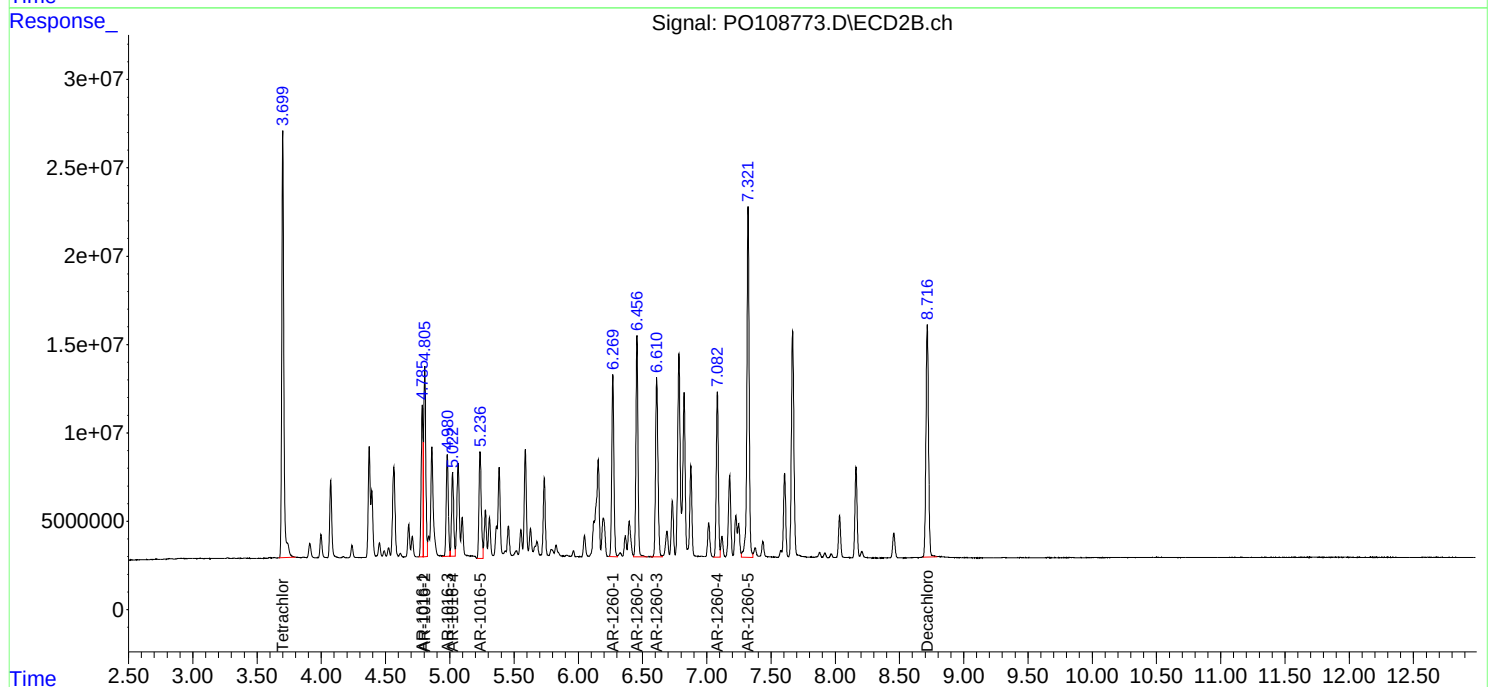
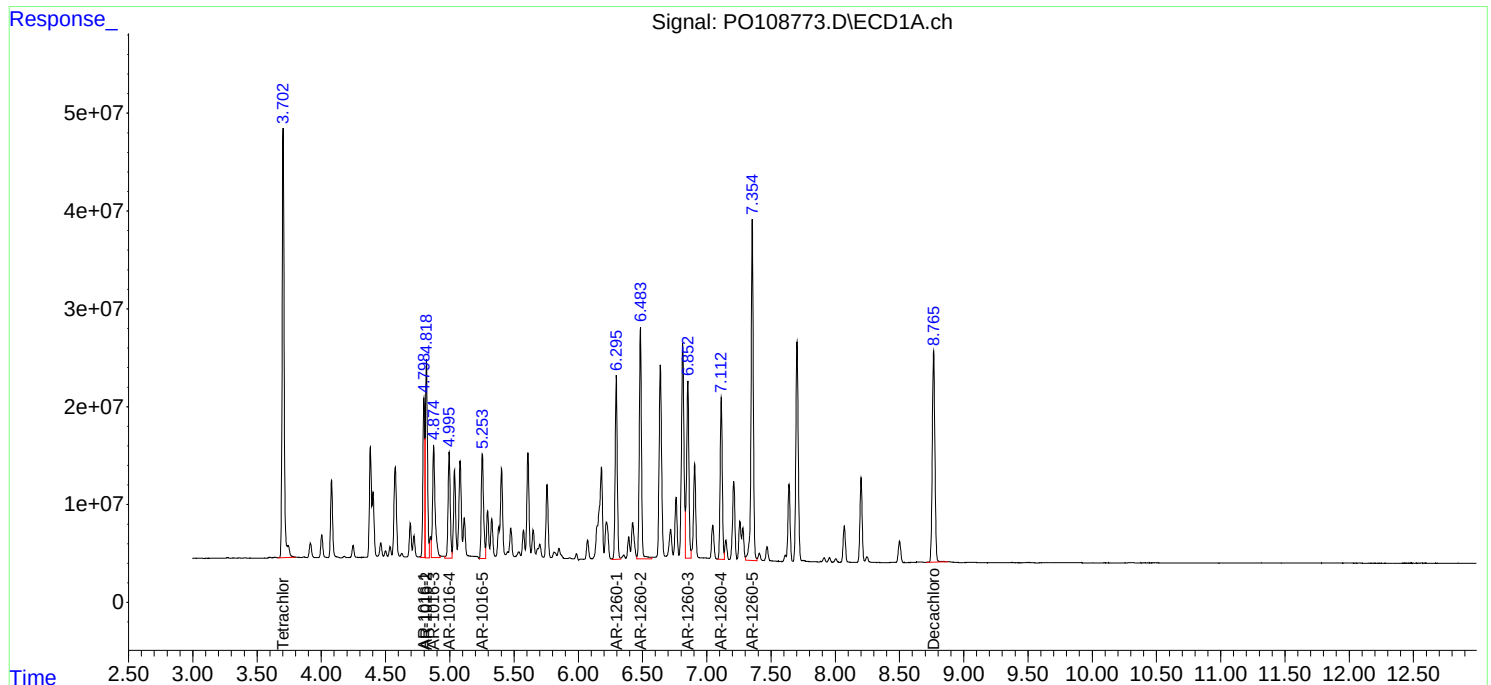
APPROVED

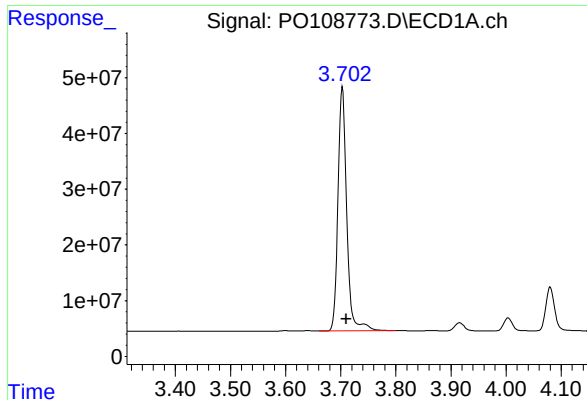
Reviewed By :Yogesh Patel 12/27/2024

Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:27:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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





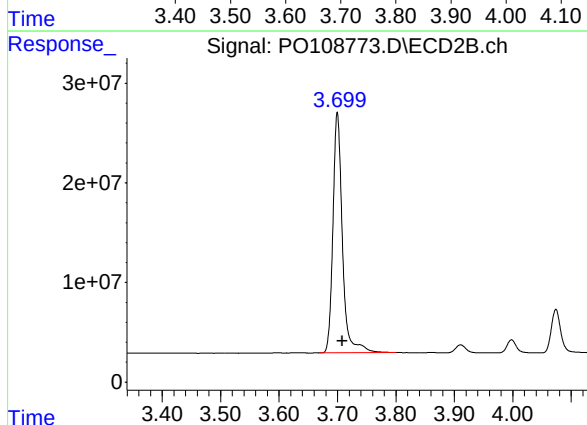
#1 Tetrachloro-m-xylene

R.T.: 3.703 min
Delta R.T.: -0.007 min
Response: 486018702
Conc: 55.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

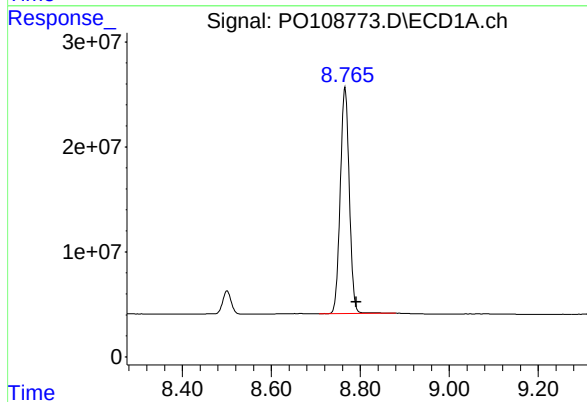
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



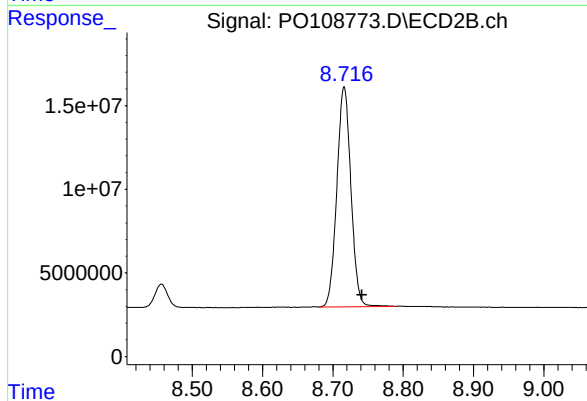
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.009 min
Response: 272492556
Conc: 53.75 ng/ml



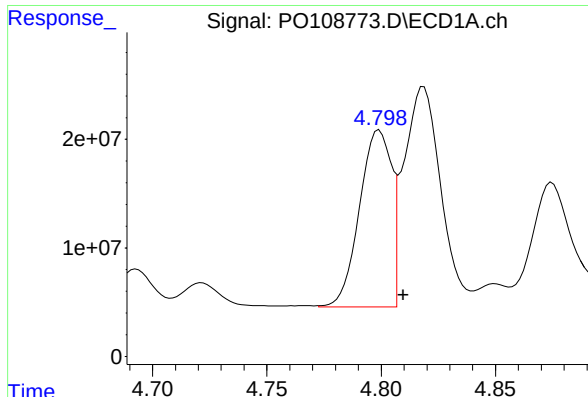
#2 Decachlorobiphenyl

R.T.: 8.766 min
Delta R.T.: -0.025 min
Response: 305426804
Conc: 41.82 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.716 min
Delta R.T.: -0.025 min
Response: 183206519
Conc: 47.28 ng/ml



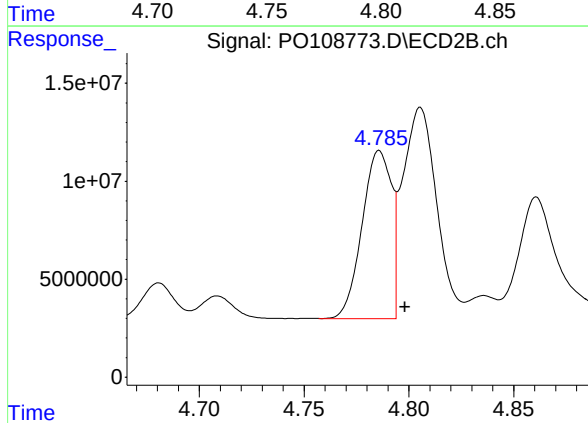
#3 AR-1016-1

R.T.: 4.798 min
Delta R.T.: -0.011 min
Response: 154504006
Conc: 500.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

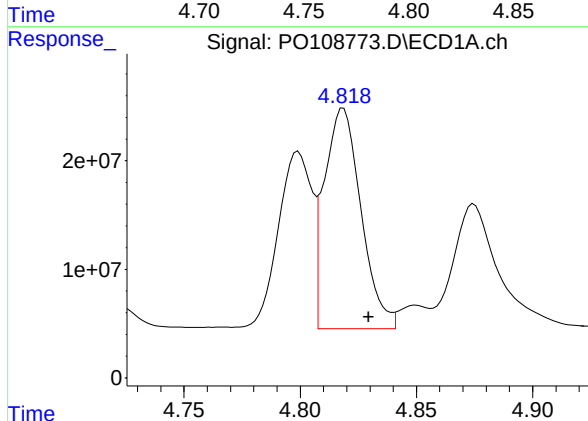
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



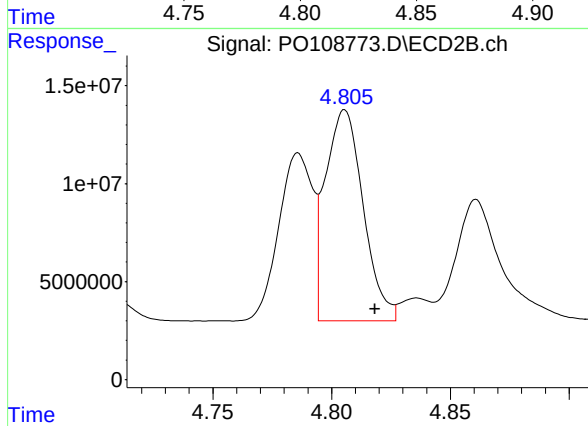
#3 AR-1016-1

R.T.: 4.785 min
Delta R.T.: -0.013 min
Response: 87723512
Conc: 546.65 ng/ml



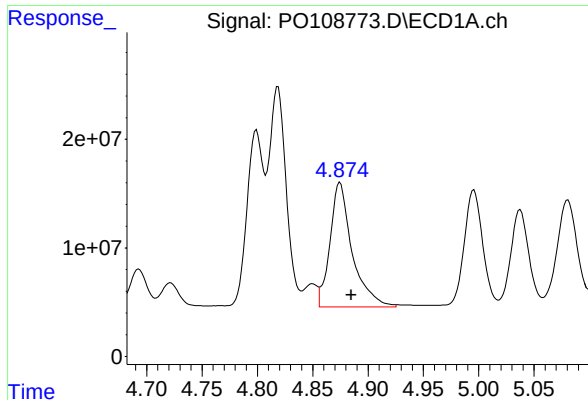
#4 AR-1016-2

R.T.: 4.819 min
Delta R.T.: -0.011 min
Response: 223852969
Conc: 536.28 ng/ml



#4 AR-1016-2

R.T.: 4.806 min
Delta R.T.: -0.013 min
Response: 119586462
Conc: 538.45 ng/ml



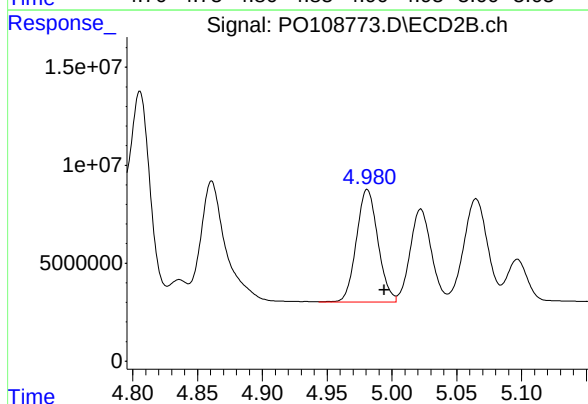
#5 AR-1016-3

R.T.: 4.874 min
Delta R.T.: -0.011 min
Response: 158975751
Conc: 543.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

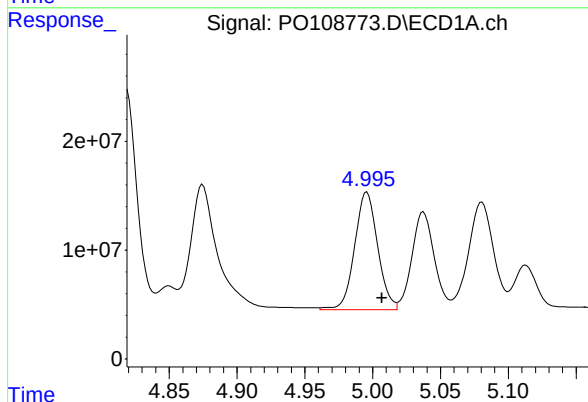
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



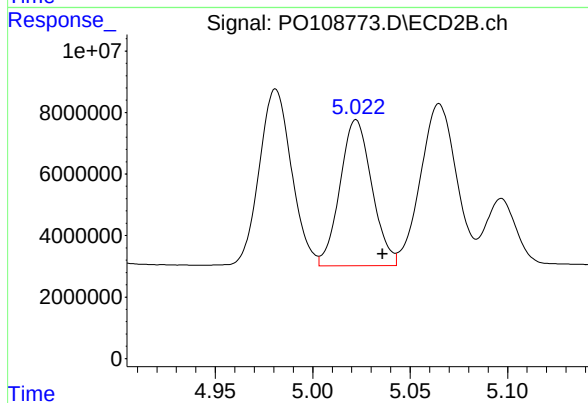
#5 AR-1016-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 66516293
Conc: 528.61 ng/ml



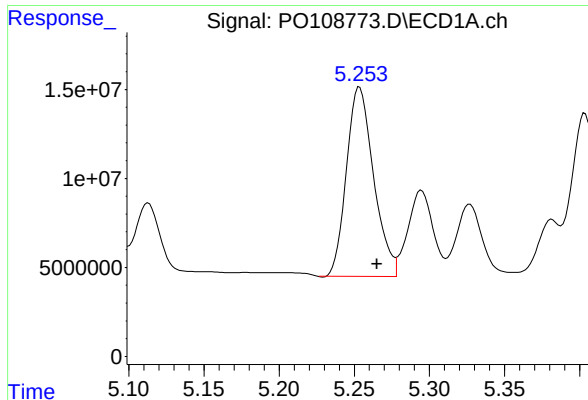
#6 AR-1016-4

R.T.: 4.996 min
Delta R.T.: -0.011 min
Response: 127854425
Conc: 553.06 ng/ml



#6 AR-1016-4

R.T.: 5.022 min
Delta R.T.: -0.014 min
Response: 54012709
Conc: 515.36 ng/ml



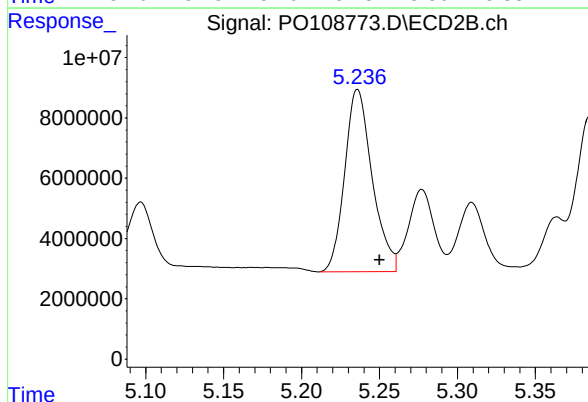
#7 AR-1016-5

R.T.: 5.254 min
Delta R.T.: -0.011 min
Response: 133722616
Conc: 531.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

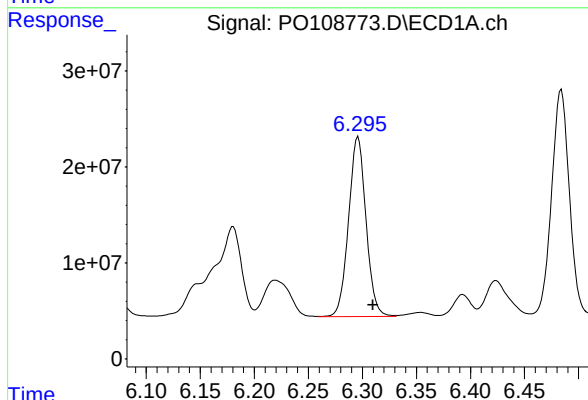
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



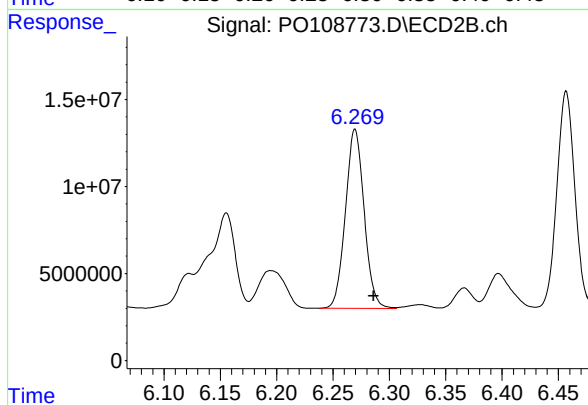
#7 AR-1016-5

R.T.: 5.236 min
Delta R.T.: -0.014 min
Response: 74283899
Conc: 549.39 ng/ml



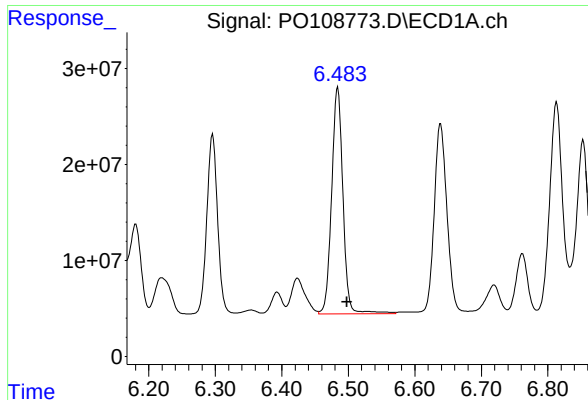
#31 AR-1260-1

R.T.: 6.296 min
Delta R.T.: -0.014 min
Response: 210716959
Conc: 460.94 ng/ml



#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.017 min
Response: 119020461
Conc: 508.56 ng/ml



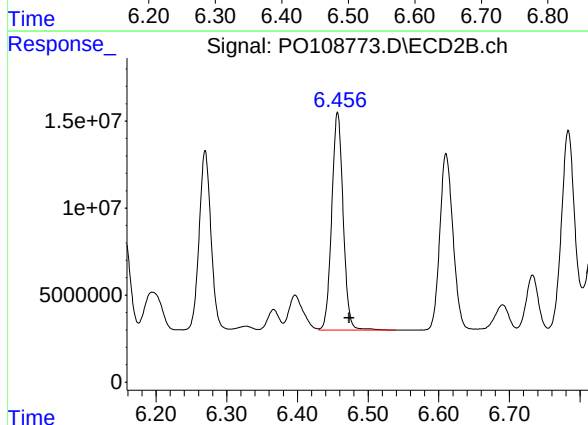
#32 AR-1260-2

R.T.: 6.484 min
Delta R.T.: -0.014 min
Response: 278123133
Conc: 500.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

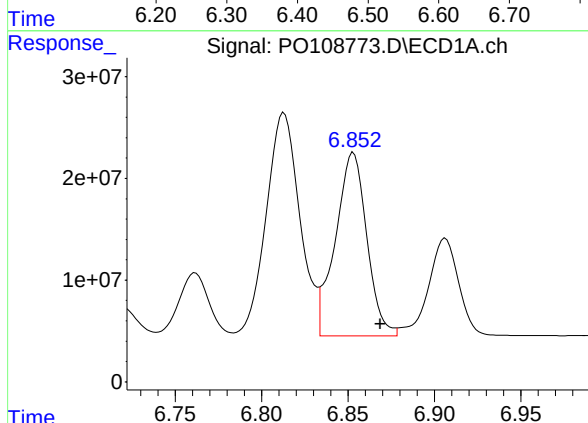
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



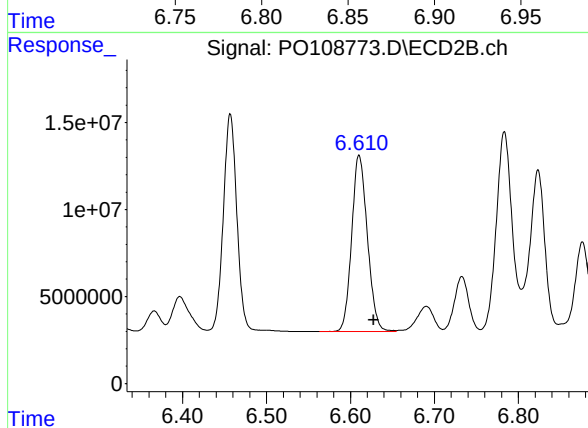
#32 AR-1260-2

R.T.: 6.457 min
Delta R.T.: -0.017 min
Response: 140717766
Conc: 501.55 ng/ml



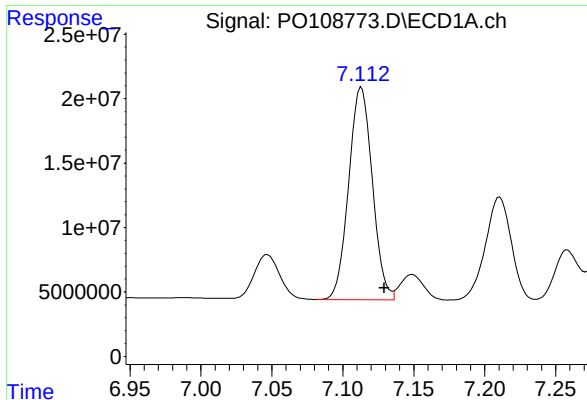
#33 AR-1260-3

R.T.: 6.853 min
Delta R.T.: -0.016 min
Response: 227095428
Conc: 489.77 ng/ml



#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.017 min
Response: 132035412
Conc: 500.95 ng/ml



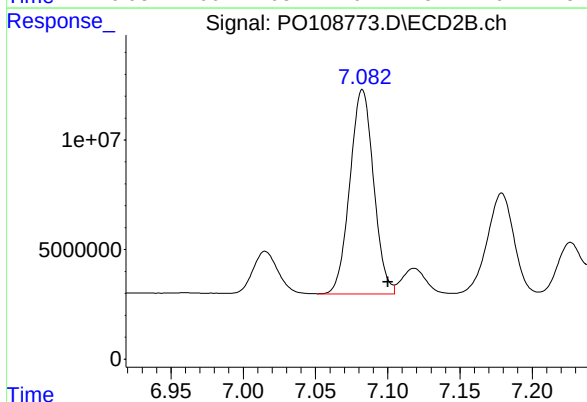
#34 AR-1260-4

R.T.: 7.113 min
Delta R.T.: -0.016 min
Response: 190745464
Conc: 448.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

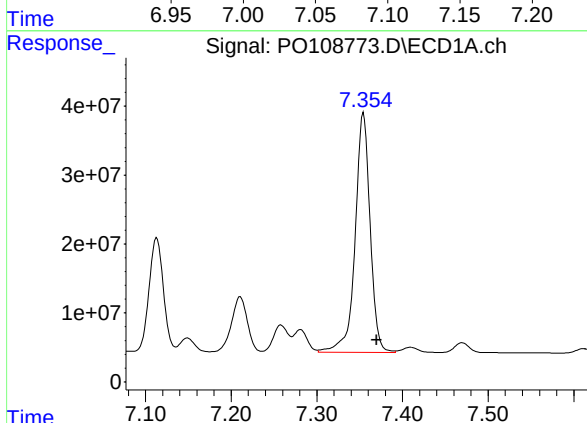
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



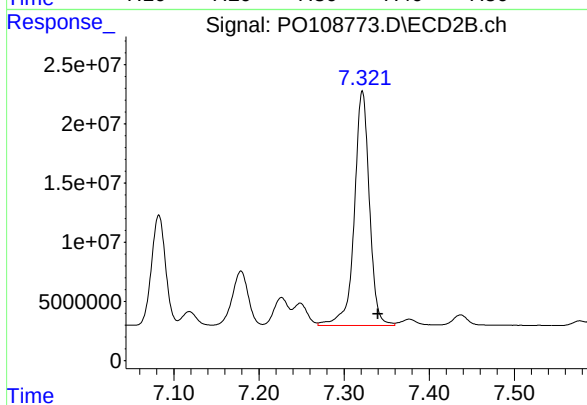
#34 AR-1260-4

R.T.: 7.083 min
Delta R.T.: -0.018 min
Response: 106829715
Conc: 502.14 ng/ml



#35 AR-1260-5

R.T.: 7.354 min
Delta R.T.: -0.016 min
Response: 422092155
Conc: 434.30 ng/ml



#35 AR-1260-5

R.T.: 7.322 min
Delta R.T.: -0.018 min
Response: 244798318
Conc: 505.85 ng/ml

Analytical Sequence

Client: Weston Solutions	SDG No.: P5380	
Project: Ft Meade Tipton Airfield Parcel RI - PO 011	Instrument ID: ECD_O	
GC Column: ZB-MR1	ID: 0.32 (mm)	Inst. Calib. Date(s): 12/06/2024 12/06/2024

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	12/06/2024	14:01	PO108361.D	8.79	3.71
AR1660ICC1000	AR1660ICC1000	12/06/2024	14:19	PO108362.D	8.79	3.71
AR1660ICC750	AR1660ICC750	12/06/2024	14:38	PO108363.D	8.79	3.71
AR1660ICC500	AR1660ICC500	12/06/2024	14:56	PO108364.D	8.79	3.71
AR1660ICC250	AR1660ICC250	12/06/2024	15:14	PO108365.D	8.79	3.71
AR1660ICC050	AR1660ICC050	12/06/2024	15:33	PO108366.D	8.79	3.71
AR1221ICC500	AR1221ICC500	12/06/2024	15:51	PO108367.D	8.79	3.71
AR1232ICC500	AR1232ICC500	12/06/2024	16:09	PO108368.D	8.79	3.71
AR1242ICC1000	AR1242ICC1000	12/06/2024	16:28	PO108369.D	8.79	3.71
AR1242ICC750	AR1242ICC750	12/06/2024	16:46	PO108370.D	8.79	3.71
AR1242ICC500	AR1242ICC500	12/06/2024	17:04	PO108371.D	8.79	3.71
AR1242ICC250	AR1242ICC250	12/06/2024	17:23	PO108372.D	8.79	3.71
AR1242ICC050	AR1242ICC050	12/06/2024	17:41	PO108373.D	8.79	3.71
AR1248ICC1000	AR1248ICC1000	12/06/2024	17:59	PO108374.D	8.79	3.71
AR1248ICC750	AR1248ICC750	12/06/2024	18:18	PO108375.D	8.79	3.71
AR1248ICC500	AR1248ICC500	12/06/2024	18:36	PO108376.D	8.79	3.71
AR1248ICC250	AR1248ICC250	12/06/2024	18:54	PO108377.D	8.79	3.71
AR1248ICC050	AR1248ICC050	12/06/2024	19:13	PO108378.D	8.79	3.71
AR1254ICC1000	AR1254ICC1000	12/06/2024	19:31	PO108379.D	8.79	3.71
AR1254ICC750	AR1254ICC750	12/06/2024	19:49	PO108380.D	8.79	3.71
AR1254ICC500	AR1254ICC500	12/06/2024	20:08	PO108381.D	8.79	3.71
AR1254ICC250	AR1254ICC250	12/06/2024	20:26	PO108382.D	8.79	3.71
AR1254ICC050	AR1254ICC050	12/06/2024	20:44	PO108383.D	8.79	3.71
AR1262ICC500	AR1262ICC500	12/06/2024	21:03	PO108384.D	8.79	3.71
AR1268ICC1000	AR1268ICC1000	12/06/2024	21:21	PO108385.D	8.79	3.71
AR1268ICC750	AR1268ICC750	12/06/2024	21:39	PO108386.D	8.79	3.71
AR1268ICC500	AR1268ICC500	12/06/2024	21:58	PO108387.D	8.79	3.71
AR1268ICC250	AR1268ICC250	12/06/2024	22:16	PO108388.D	8.79	3.71
AR1268ICC050	AR1268ICC050	12/06/2024	22:34	PO108389.D	8.79	3.71
AR1660CCC500	AR1660CCC500	12/26/2024	09:31	PO108758.D	8.77	3.70
IBLK	IBLK	12/26/2024	11:32	PO108762.D	8.77	3.70
PB165843BL	PB165843BL	12/26/2024	12:21	PO108763.D	8.77	3.70
PB165843BS	PB165843BS	12/26/2024	12:39	PO108764.D	8.77	3.70
AU-06-122024MS	P5318-01MS	12/26/2024	13:34	PO108767.D	8.77	3.70
AU-06-122024MSD	P5318-01MSD	12/26/2024	13:52	PO108768.D	8.77	3.70
TAPIAL3-IDW-SOIL-122024-T1	P5380-01	12/26/2024	14:10	PO108769.D	8.77	3.70
AR1660CCC500	AR1660CCC500	12/26/2024	16:10	PO108773.D	8.77	3.70
IBLK	IBLK	12/26/2024	17:24	PO108777.D	8.77	3.70

Analytical Sequence

Client: Weston Solutions	SDG No.: P5380	
Project: Ft Meade Tipton Airfield Parcel RI - PO 011	Instrument ID: ECD_O	
GC Column: ZB-MR2	ID: 0.32 (mm)	Inst. Calib. Date(s): 12/06/2024 12/06/2024

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	12/06/2024	14:01	PO108361.D	8.74	3.71
AR1660ICC1000	AR1660ICC1000	12/06/2024	14:19	PO108362.D	8.74	3.71
AR1660ICC750	AR1660ICC750	12/06/2024	14:38	PO108363.D	8.74	3.71
AR1660ICC500	AR1660ICC500	12/06/2024	14:56	PO108364.D	8.74	3.71
AR1660ICC250	AR1660ICC250	12/06/2024	15:14	PO108365.D	8.74	3.71
AR1660ICC050	AR1660ICC050	12/06/2024	15:33	PO108366.D	8.74	3.71
AR1221ICC500	AR1221ICC500	12/06/2024	15:51	PO108367.D	8.74	3.71
AR1232ICC500	AR1232ICC500	12/06/2024	16:09	PO108368.D	8.74	3.71
AR1242ICC1000	AR1242ICC1000	12/06/2024	16:28	PO108369.D	8.74	3.71
AR1242ICC750	AR1242ICC750	12/06/2024	16:46	PO108370.D	8.74	3.71
AR1242ICC500	AR1242ICC500	12/06/2024	17:04	PO108371.D	8.74	3.71
AR1242ICC250	AR1242ICC250	12/06/2024	17:23	PO108372.D	8.74	3.71
AR1242ICC050	AR1242ICC050	12/06/2024	17:41	PO108373.D	8.74	3.71
AR1248ICC1000	AR1248ICC1000	12/06/2024	17:59	PO108374.D	8.74	3.71
AR1248ICC750	AR1248ICC750	12/06/2024	18:18	PO108375.D	8.74	3.71
AR1248ICC500	AR1248ICC500	12/06/2024	18:36	PO108376.D	8.74	3.71
AR1248ICC250	AR1248ICC250	12/06/2024	18:54	PO108377.D	8.74	3.71
AR1248ICC050	AR1248ICC050	12/06/2024	19:13	PO108378.D	8.74	3.71
AR1254ICC1000	AR1254ICC1000	12/06/2024	19:31	PO108379.D	8.74	3.71
AR1254ICC750	AR1254ICC750	12/06/2024	19:49	PO108380.D	8.74	3.71
AR1254ICC500	AR1254ICC500	12/06/2024	20:08	PO108381.D	8.74	3.71
AR1254ICC250	AR1254ICC250	12/06/2024	20:26	PO108382.D	8.74	3.71
AR1254ICC050	AR1254ICC050	12/06/2024	20:44	PO108383.D	8.74	3.71
AR1262ICC500	AR1262ICC500	12/06/2024	21:03	PO108384.D	8.74	3.71
AR1268ICC1000	AR1268ICC1000	12/06/2024	21:21	PO108385.D	8.74	3.71
AR1268ICC750	AR1268ICC750	12/06/2024	21:39	PO108386.D	8.74	3.71
AR1268ICC500	AR1268ICC500	12/06/2024	21:58	PO108387.D	8.74	3.71
AR1268ICC250	AR1268ICC250	12/06/2024	22:16	PO108388.D	8.74	3.71
AR1268ICC050	AR1268ICC050	12/06/2024	22:34	PO108389.D	8.74	3.71
AR1660CCC500	AR1660CCC500	12/26/2024	09:31	PO108758.D	8.72	3.70
IBLK	IBLK	12/26/2024	11:32	PO108762.D	8.72	3.70
PB165843BL	PB165843BL	12/26/2024	12:21	PO108763.D	8.72	3.70
PB165843BS	PB165843BS	12/26/2024	12:39	PO108764.D	8.72	3.70
AU-06-122024MS	P5318-01MS	12/26/2024	13:34	PO108767.D	8.72	3.70
AU-06-122024MSD	P5318-01MSD	12/26/2024	13:52	PO108768.D	8.72	3.70
TAPIAL3-IDW-SOIL-122024-T1	P5380-01	12/26/2024	14:10	PO108769.D	8.72	3.70
AR1660CCC500	AR1660CCC500	12/26/2024	16:10	PO108773.D	8.72	3.70
IBLK	IBLK	12/26/2024	17:24	PO108777.D	8.72	3.70

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB165843BS

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Lab Sample ID: PB165843BS Date(s) Analyzed: 12/26/2024 12/26/2024

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 PO108764.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.798	4.748	4.848	157	165	4.33
COLUMN 1	2	4.818	4.768	4.868	160		
	3	4.874	4.824	4.924	173		
	4	4.996	4.946	5.046	171		
	5	5.253	5.203	5.303	163		
COLUMN 2	1	4.786	4.736	4.836	156	158	
	2	4.806	4.756	4.856	161		
	3	4.981	4.931	5.031	159		
	4	5.023	4.973	5.073	158		
	5	5.237	5.187	5.287	157		
Aroclor-1260	1	6.296	6.246	6.346	173	159	4.31
COLUMN 1	2	6.484	6.434	6.534	173		
	3	6.853	6.803	6.903	148		
	4	7.114	7.064	7.164	150		
	5	7.354	7.304	7.404	151		
COLUMN 2	1	6.27	6.22	6.32	172	166	
	2	6.456	6.406	6.506	172		
	3	6.61	6.56	6.66	171		
	4	7.082	7.032	7.132	156		
	5	7.321	7.271	7.371	158		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

AU-06-122024MS

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Lab Sample ID: P5318-01MS Date(s) Analyzed: 12/26/2024 12/26/2024

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 PO108767.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.799	4.749	4.849	140	128	7.52
COLUMN 1	2	4.819	4.769	4.869	129		
	3	4.874	4.824	4.924	134		
	4	4.995	4.945	5.045	131		
	5	5.253	5.203	5.303	109		
	1	4.786	4.736	4.836	139		
COLUMN 2	2	4.805	4.755	4.855	139	138	
	3	4.982	4.932	5.032	146		
	4	5.023	4.973	5.073	145		
	5	5.236	5.186	5.286	119		
Aroclor-1254	1	5.61	5.56	5.66	62.9	63.0	6.15
COLUMN 1	2	5.758	5.708	5.808	61.1		
	3	6.18	6.13	6.23	47.4		
	4	6.394	6.344	6.444	18.9		
	5	6.813	6.763	6.863	125		
	1	5.589	5.539	5.639	64.1		
COLUMN 2	2	5.735	5.685	5.785	60.2	67.0	
	3	6.155	6.105	6.205	43.5		
	4	6.367	6.317	6.417	22.0		
	5	6.784	6.734	6.834	145		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	6.296	6.246	6.346	121		
	2	6.485	6.435	6.535	115		
	3	6.854	6.804	6.904	87.1		
	4	7.113	7.063	7.163	90.3		
	5	7.355	7.305	7.405	89.9		
COLUMN 1						101	
	1	6.27	6.22	6.32	137		
	2	6.457	6.407	6.507	134		
	3	6.61	6.56	6.66	132		
	4	7.081	7.031	7.131	107		
5	7.321	7.271	7.371	107			
COLUMN 2						124	20.44

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

AU-06-122024MSD

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Lab Sample ID: P5318-01MSD Date(s) Analyzed: 12/26/2024 12/26/2024

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 PO108768.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD		
			FROM	TO					
Aroclor-1016	1	4.798	4.748	4.848	137	131			
	2	4.817	4.767	4.867	132				
	3	4.873	4.823	4.923	138				
	4	4.995	4.945	5.045	133				
	5	5.253	5.203	5.303	114				
COLUMN 1									
	1	4.785	4.735	4.835	131			134	2.26
	2	4.805	4.755	4.855	140				
	3	4.981	4.931	5.031	138				
	4	5.022	4.972	5.072	139				
5	5.236	5.186	5.286	124					
COLUMN 2									
	1	5.609	5.559	5.659	59.0	62.3	19.94		
	2	5.757	5.707	5.807	56.7				
	3	6.179	6.129	6.229	46.4				
	4	6.393	6.343	6.443	18.3				
5	6.813	6.763	6.863	131					
COLUMN 1									
	1	5.589	5.539	5.639	65.5	76.1			
	2	5.735	5.685	5.785	63.2				
	3	6.155	6.105	6.205	50.9				
	4	6.397	6.347	6.447	48.0				
5	6.783	6.733	6.833	153					
COLUMN 2									

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	6.295	6.245	6.345	121		
	2	6.484	6.434	6.534	113		
	3	6.853	6.803	6.903	93.1		
	4	7.113	7.063	7.163	98.5		
	5	7.354	7.304	7.404	94.9		
COLUMN 1						104	
	1	6.27	6.22	6.32	138		
	2	6.456	6.406	6.506	134		
	3	6.61	6.56	6.66	131		
	4	7.081	7.031	7.131	118		
5	7.321	7.271	7.371	114			
COLUMN 2						127	19.91



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB165843BL	SDG No.:	P5380
Lab Sample ID:	PB165843BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.02 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
PO108763.D	1	12/26/24 08:30	12/26/24 12:21	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.30	U	3.40	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	6.40	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	13.0	U	3.40	13.0	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	3.40	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	7.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	13.0	U	2.70	13.0	17.0	ug/kg
37324-23-5	Aroclor-1262	8.30	U	4.60	8.30	17.0	ug/kg
11100-14-4	Aroclor-1268	13.0	U	3.40	13.0	17.0	ug/kg
11096-82-5	Aroclor-1260	8.30	U	2.90	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.0		44 - 130		110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		60 - 125		115%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108763.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 12:21
Operator : YP/AJ
Sample : PB165843BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165843BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 13:20:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	191.6E6	101.5E6	22.018	20.013
2) SA Decachlor...	8.768	8.717	161.9E6	88829372	22.168	22.924

Target Compounds

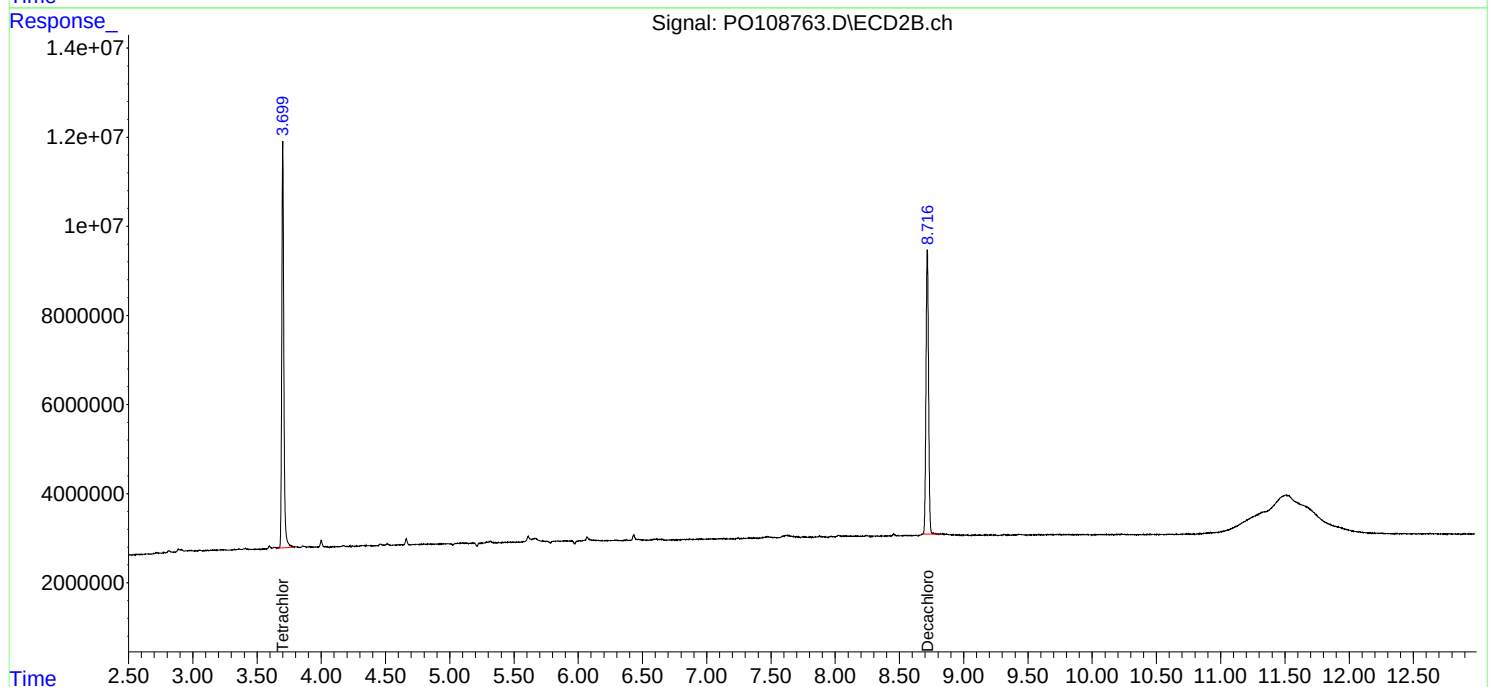
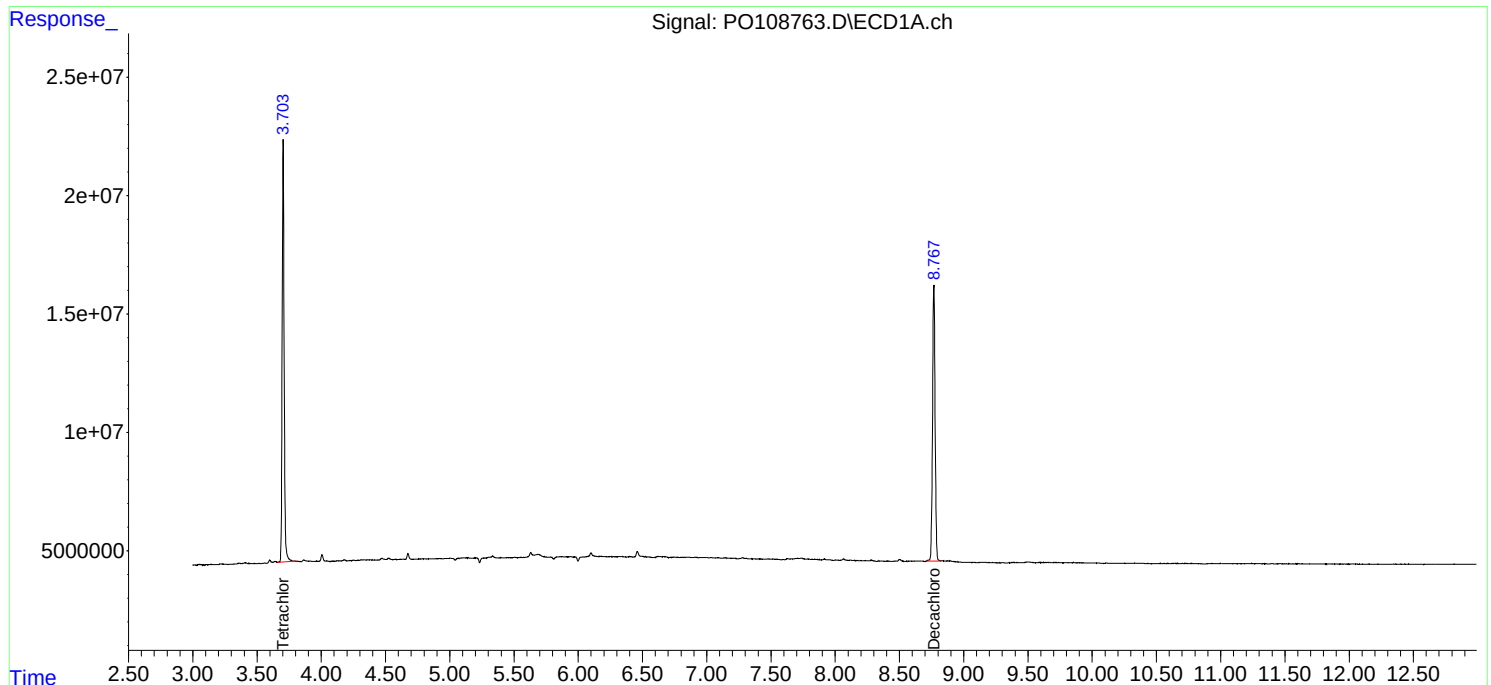
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

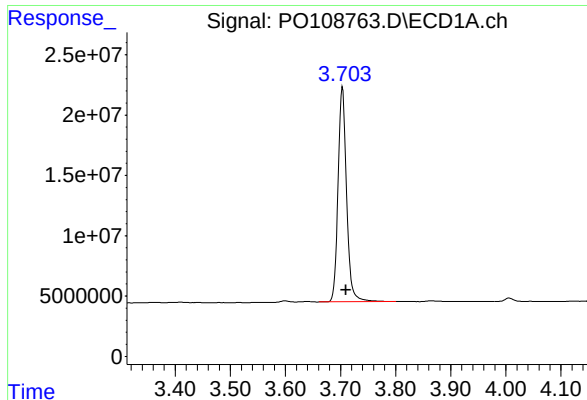
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108763.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 12:21
Operator : YP/AJ
Sample : PB165843BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165843BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 13:20:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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

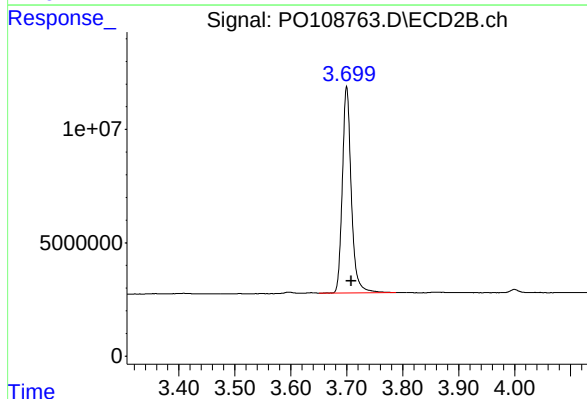




#1 Tetrachloro-m-xylene

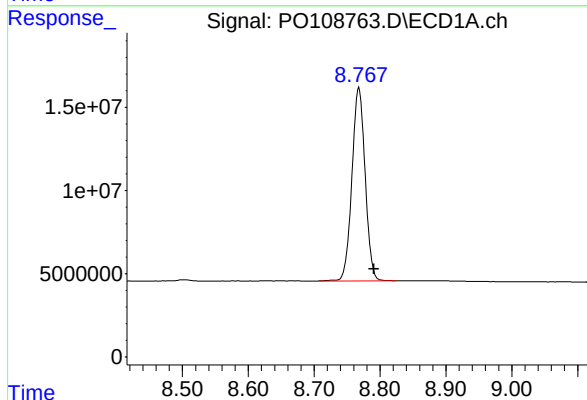
R.T.: 3.703 min
Delta R.T.: -0.007 min
Response: 191560666
Conc: 22.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BL



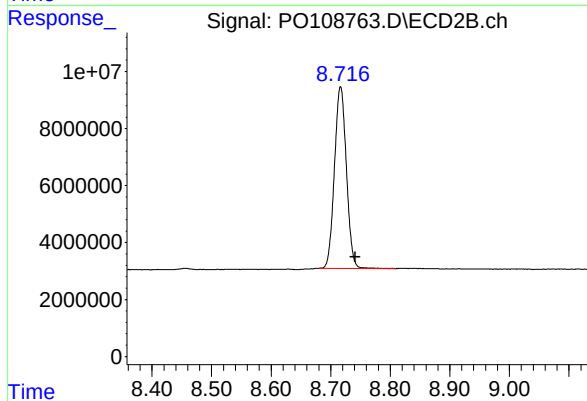
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.009 min
Response: 101451572
Conc: 20.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.768 min
Delta R.T.: -0.023 min
Response: 161918151
Conc: 22.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.717 min
Delta R.T.: -0.025 min
Response: 88829372
Conc: 22.92 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/06/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/06/24
Client Sample ID:	PIBLK-PO108361.D	SDG No.:	P5380
Lab Sample ID:	I.BLK-PO108361.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108361.D	1		12/06/24	PO120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.6		60 - 140		108%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 140		118%	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\PO120624\
Data File : PO108361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:01
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: Dec 07 06:00:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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...	3.711	3.708	199.9E6	109.7E6	22.973	21.649
2) SA Decachlor...	8.790	8.741	172.3E6	91294392	23.583	23.560

Target Compounds

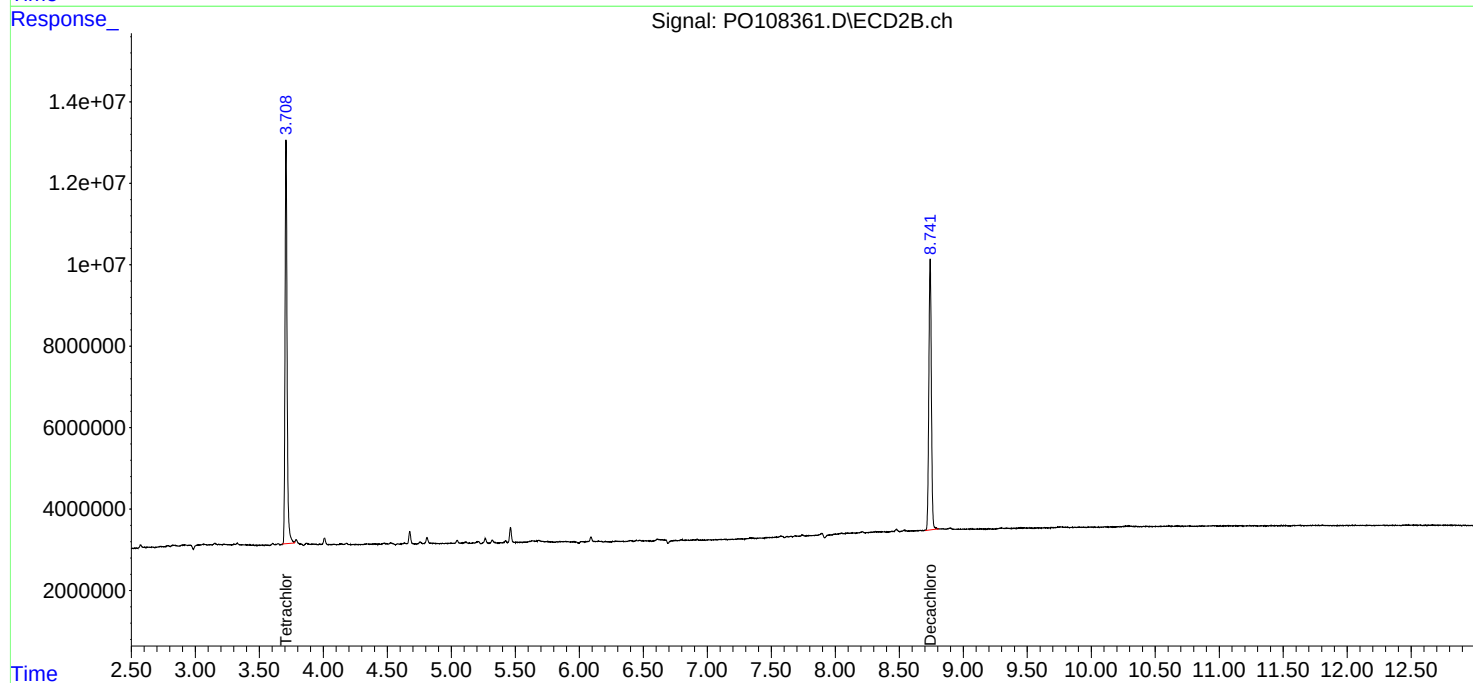
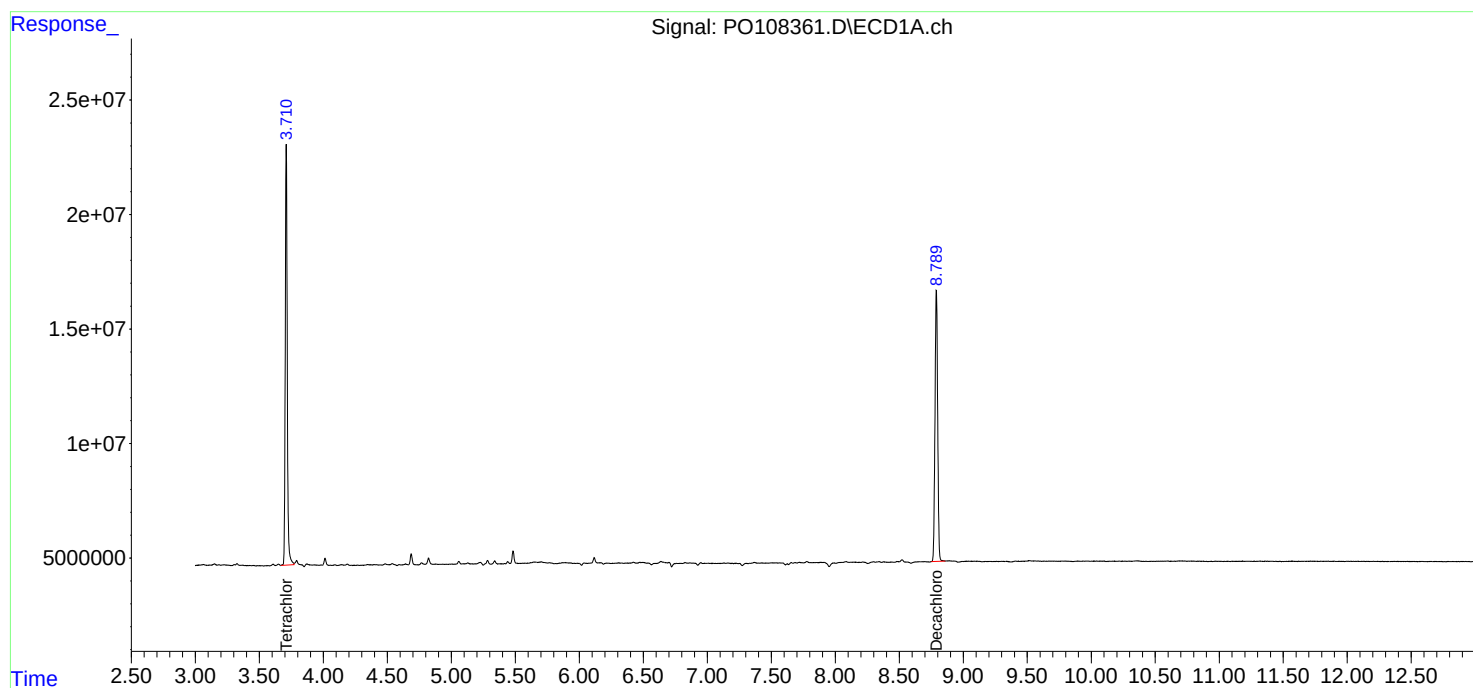
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

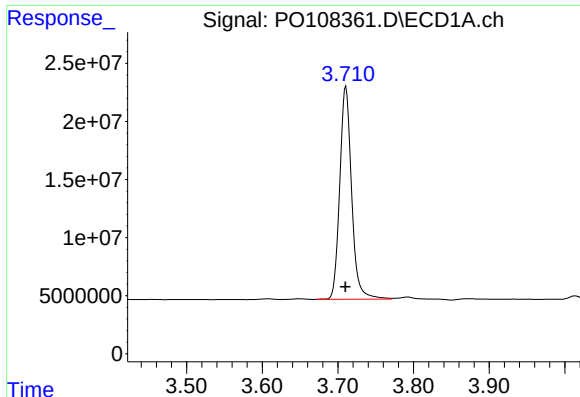
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:01
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 06:00:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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

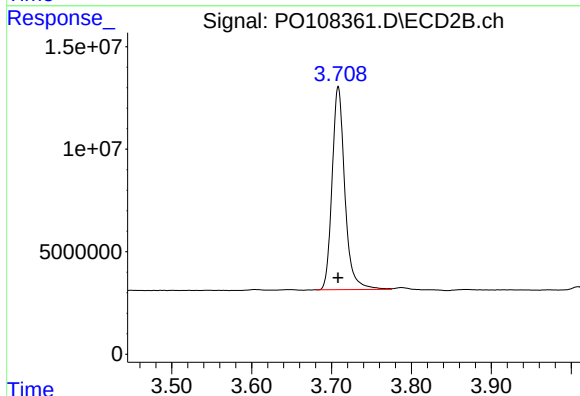




#1 Tetrachloro-m-xylene

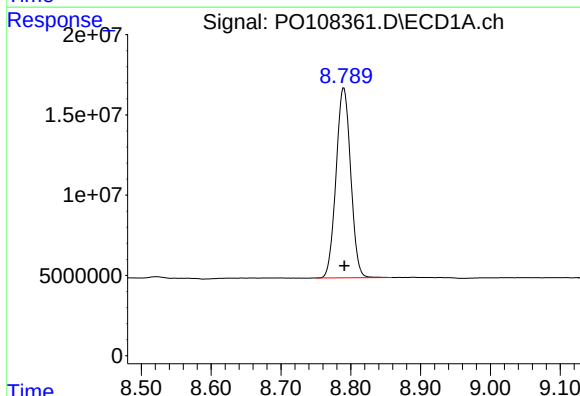
R.T.: 3.711 min
Delta R.T.: 0.000 min
Response: 199870010
Conc: 22.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



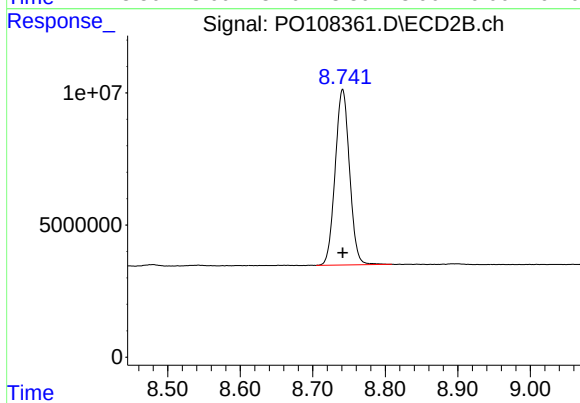
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 109748107
Conc: 21.65 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 172254353
Conc: 23.58 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 91294392
Conc: 23.56 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/26/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/26/24
Client Sample ID:	PIBLK-PO108762.D	SDG No.:	P5380
Lab Sample ID:	I.BLK-PO108762.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108762.D	1		12/26/24	PO122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.0		60 - 140		100%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		60 - 140		107%	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\PO122624\
Data File : PO108762.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 11:32
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: Dec 26 13:19:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	189.6E6	101.4E6	21.795	20.001
2) SA Decachlor...	8.767	8.716	155.7E6	85520616	21.316	22.070

Target Compounds

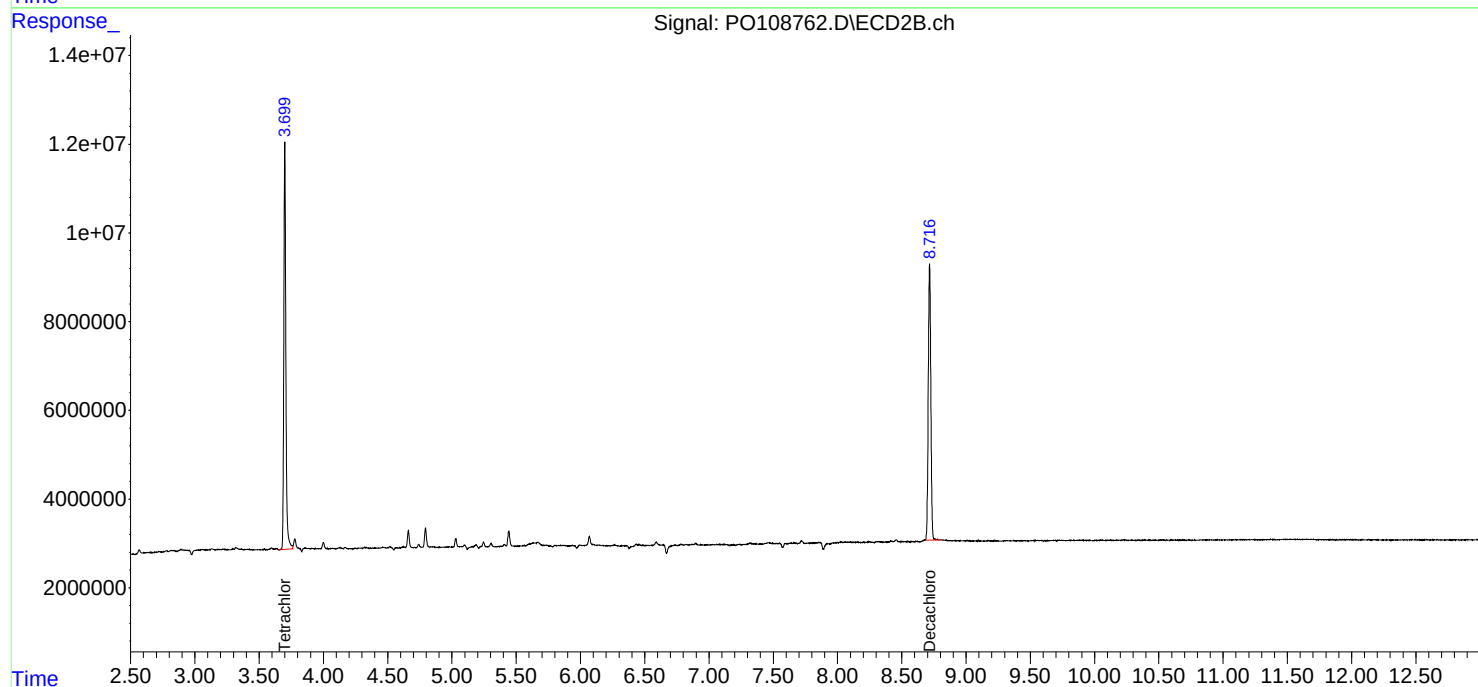
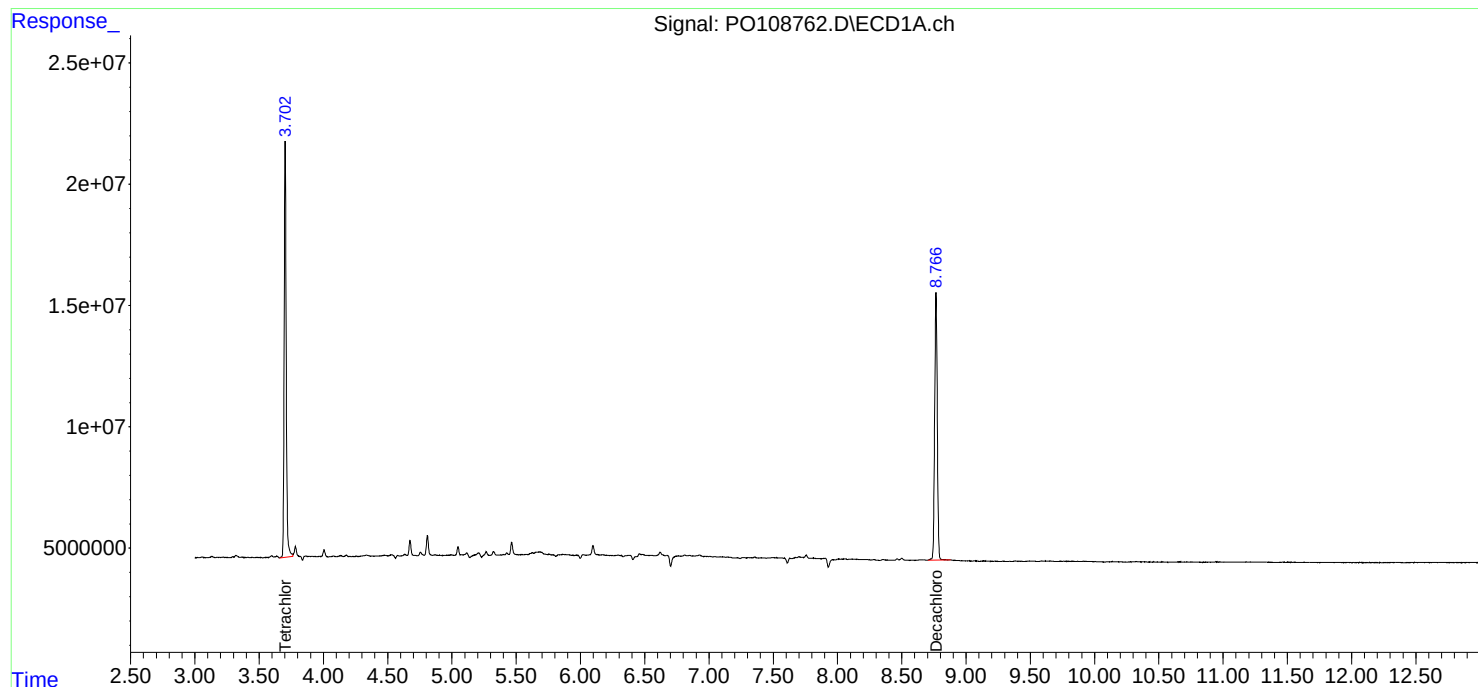
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

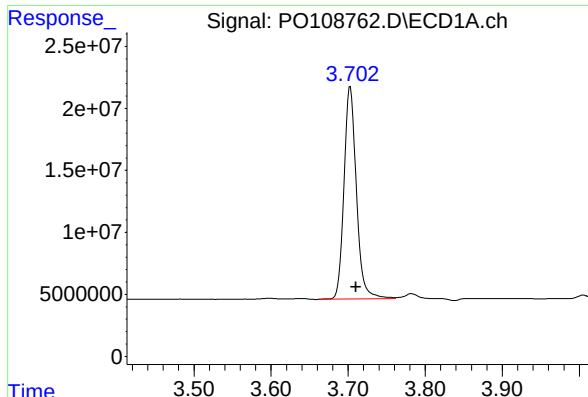
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108762.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 11:32
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 13:19:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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

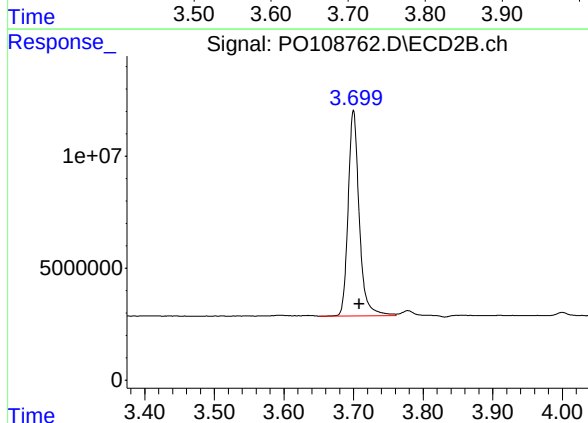




#1 Tetrachloro-m-xylene

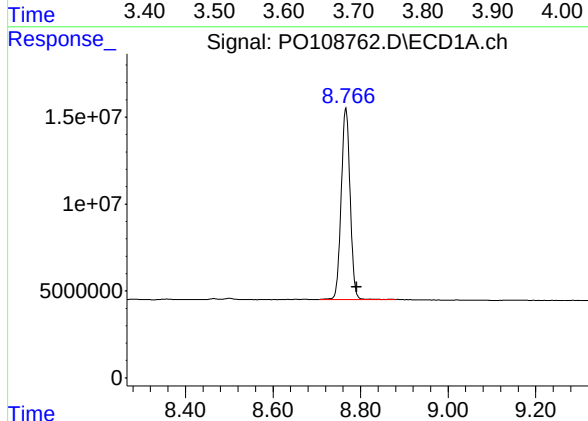
R.T.: 3.703 min
Delta R.T.: -0.007 min
Response: 189622024
Conc: 21.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



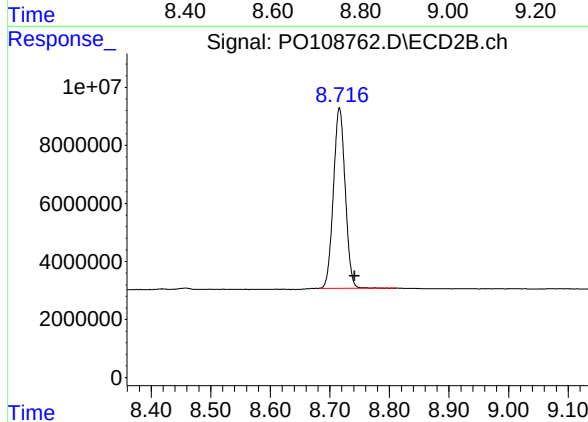
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.009 min
Response: 101391275
Conc: 20.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.767 min
Delta R.T.: -0.024 min
Response: 155695866
Conc: 21.32 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.716 min
Delta R.T.: -0.025 min
Response: 85520616
Conc: 22.07 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/26/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/26/24
Client Sample ID:	PIBLK-PO108777.D	SDG No.:	P5380
Lab Sample ID:	I.BLK-PO108777.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108777.D	1		12/26/24	PO122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.4		60 - 140		97%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 140		90%	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\PO122624\
Data File : PO108777.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 17:24
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: Dec 26 20:28:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.701	178.1E6	98099223	20.469	19.351
2) SA Decachlor...	8.765	8.716	131.9E6	77109959	18.060	19.900

Target Compounds

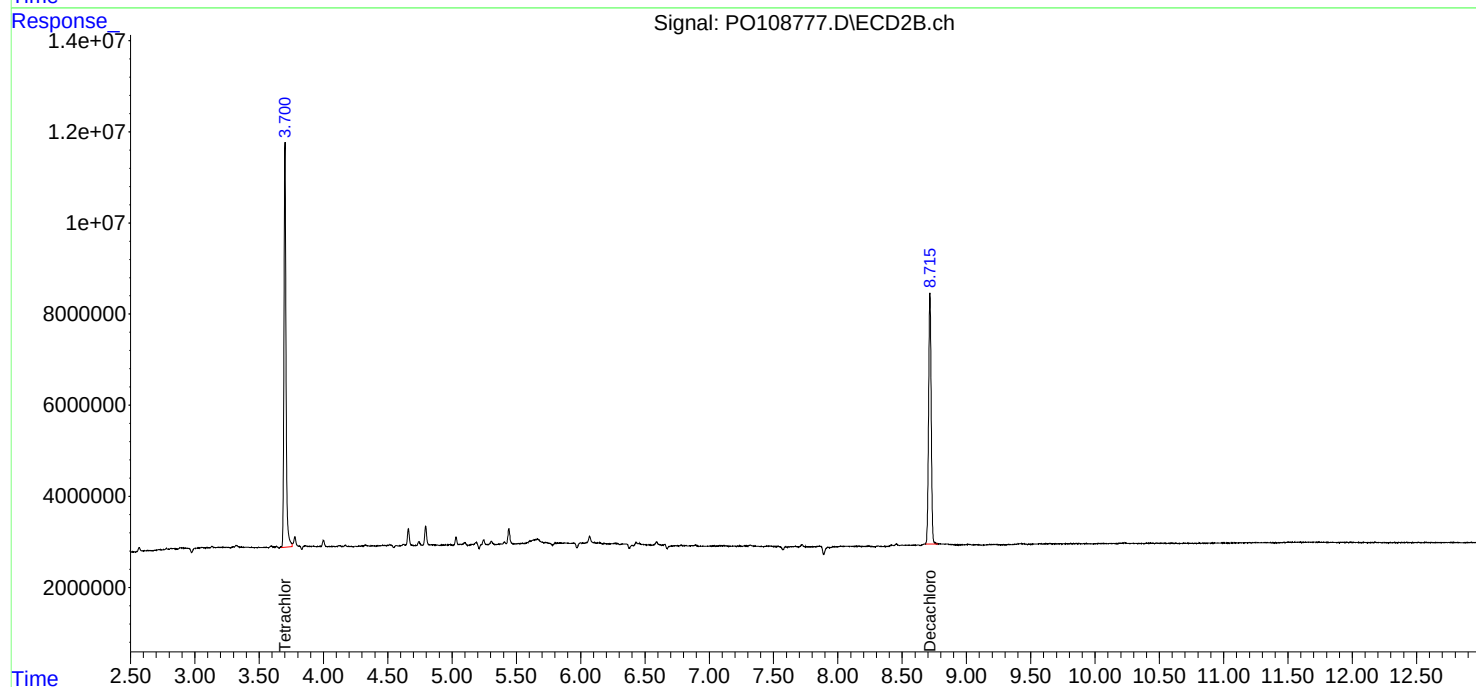
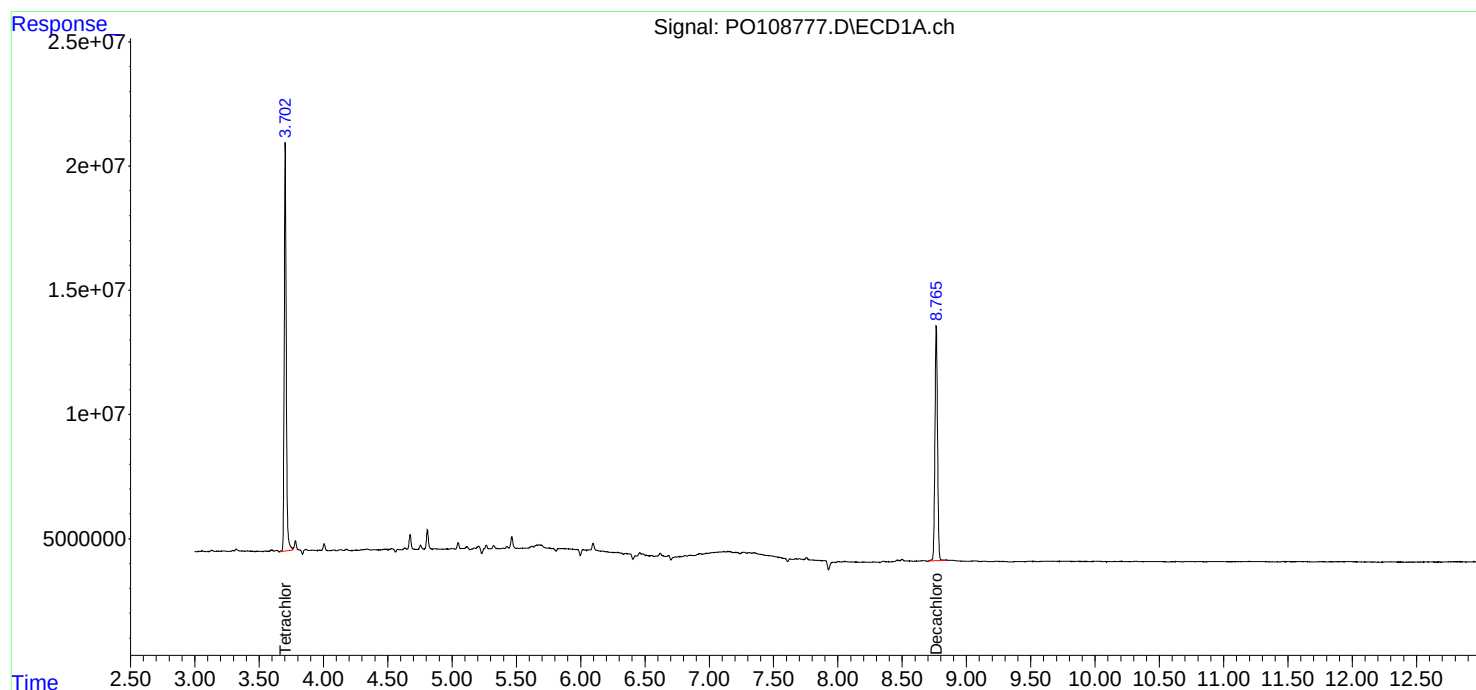
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

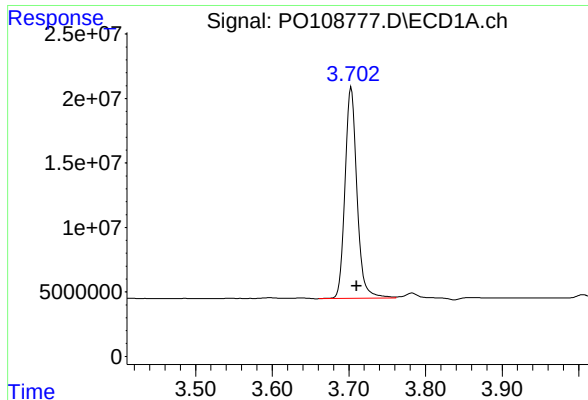
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108777.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 17:24
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:28:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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

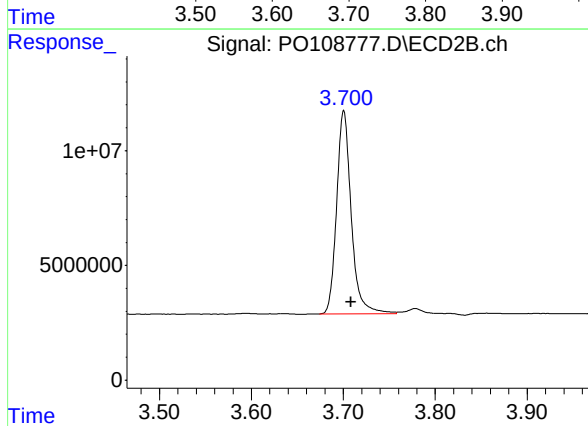




#1 Tetrachloro-m-xylene

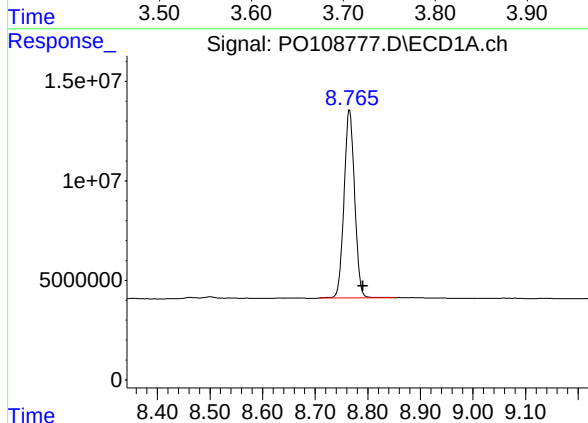
R.T.: 3.703 min
Delta R.T.: -0.007 min
Response: 178086317
Conc: 20.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



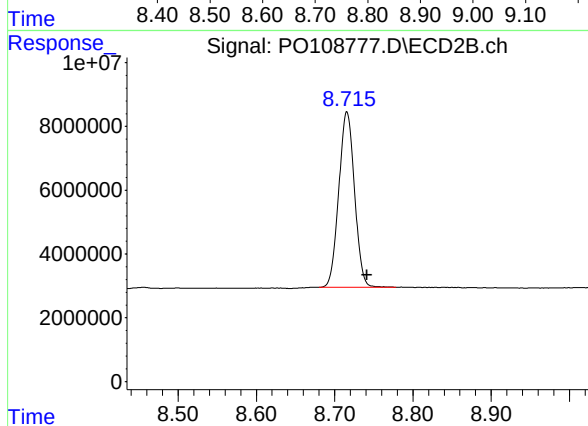
#1 Tetrachloro-m-xylene

R.T.: 3.701 min
Delta R.T.: -0.008 min
Response: 98099223
Conc: 19.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.765 min
Delta R.T.: -0.026 min
Response: 131912093
Conc: 18.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.716 min
Delta R.T.: -0.026 min
Response: 77109959
Conc: 19.90 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB165843BS	SDG No.:	P5380
Lab Sample ID:	PB165843BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108764.D	1	12/26/24 08:30	12/26/24 12:39	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	165		3.40	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	6.40	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	13.0	U	3.40	13.0	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	3.40	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	7.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	13.0	U	2.70	13.0	17.0	ug/kg
37324-23-5	Aroclor-1262	8.30	U	4.60	8.30	17.0	ug/kg
11100-14-4	Aroclor-1268	13.0	U	3.40	13.0	17.0	ug/kg
11096-82-5	Aroclor-1260	166		2.90	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.2		44 - 130		106%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.2		60 - 125		116%	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\PO122624\
 Data File : PO108764.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Dec 2024 12:39
 Operator : YP/AJ
 Sample : PB165843BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB165843BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 26 13:21:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Dec 07 05:58:15 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...	3.704	3.700	184.5E6	97355081	21.201	19.205
2) SA Decachlor...	8.766	8.717	158.3E6	89764925	21.679m	23.166
Target Compounds						
3) L1 AR-1016-1	4.798	4.786	145.4E6	75056310	471.504m	467.716m
4) L1 AR-1016-2	4.818	4.806	199.8E6	107.0E6	478.763m	481.828
5) L1 AR-1016-3	4.874	4.981	152.2E6	59862847	520.119	475.730
6) L1 AR-1016-4	4.996	5.023	118.6E6	49759685	513.098	474.779
7) L1 AR-1016-5	5.253	5.237	123.4E6	63807633	490.468	471.911
31) L7 AR-1260-1	6.296	6.270	237.4E6	120.8E6	519.356	516.062
32) L7 AR-1260-2	6.484	6.456	287.7E6	144.5E6	517.757	514.849
33) L7 AR-1260-3	6.853	6.610	205.6E6	135.4E6	443.461	513.878
34) L7 AR-1260-4	7.114	7.082	191.7E6	99875620	450.665	469.450m
35) L7 AR-1260-5	7.354	7.321	440.1E6	228.9E6	452.843	473.004

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 12:39
Operator : YP/AJ
Sample : PB165843BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB165843BS

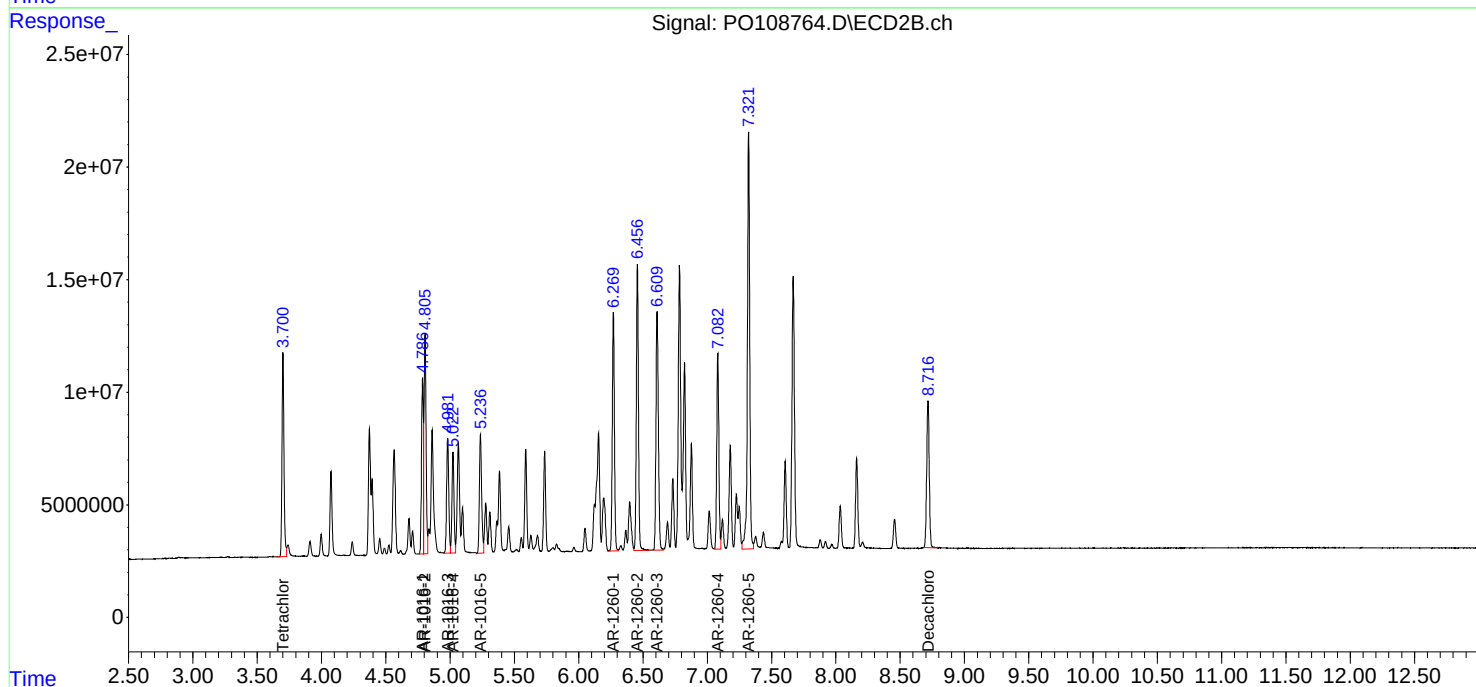
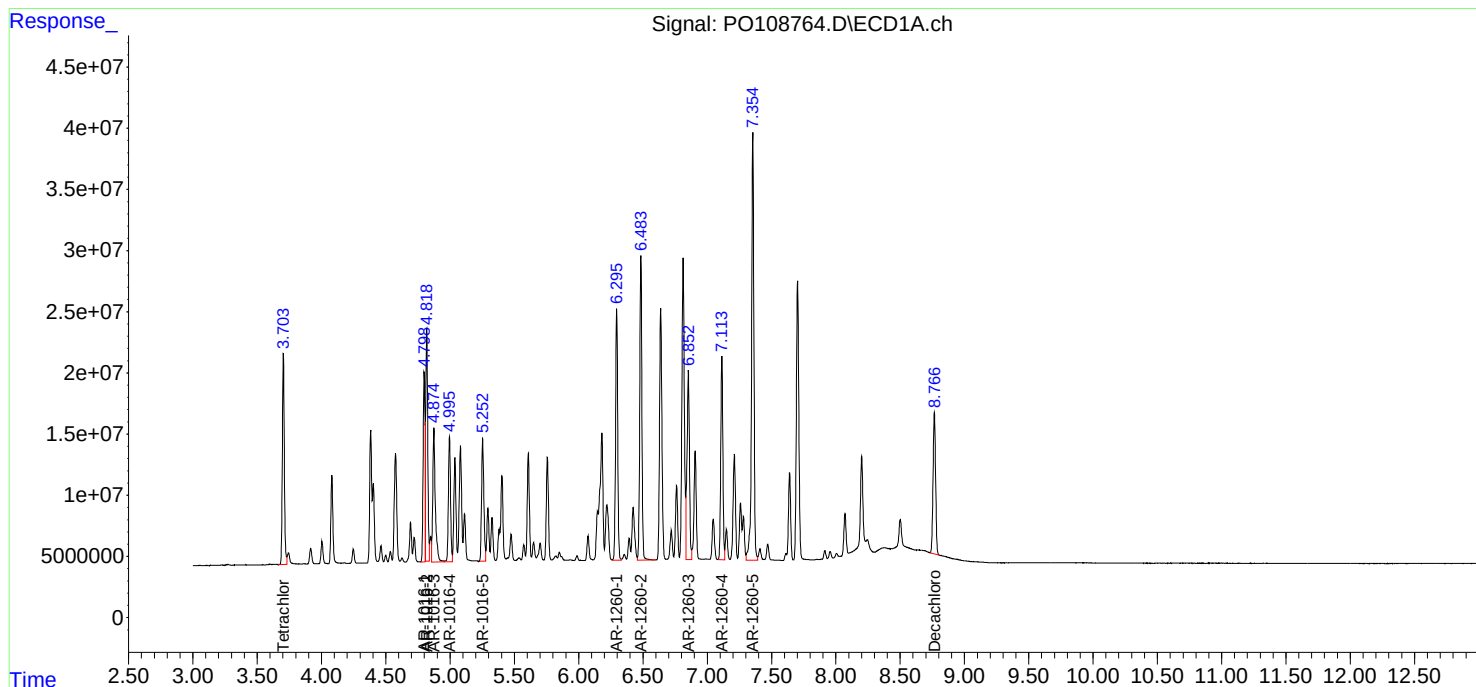
Manual Integrations

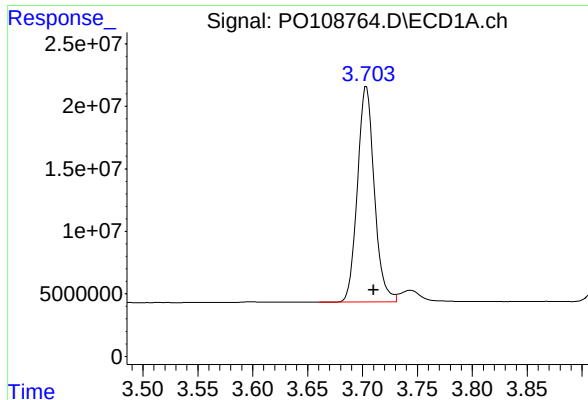
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 13:21:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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





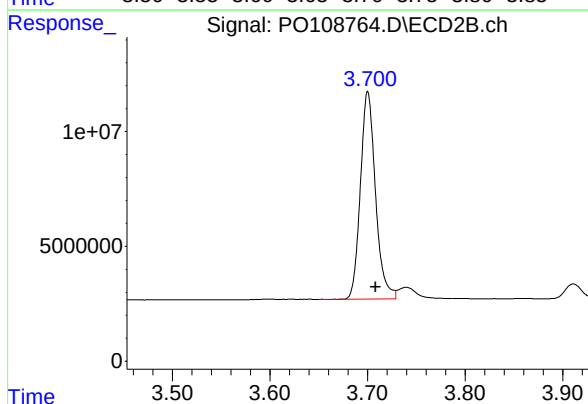
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.006 min
Response: 184450153
Conc: 21.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS

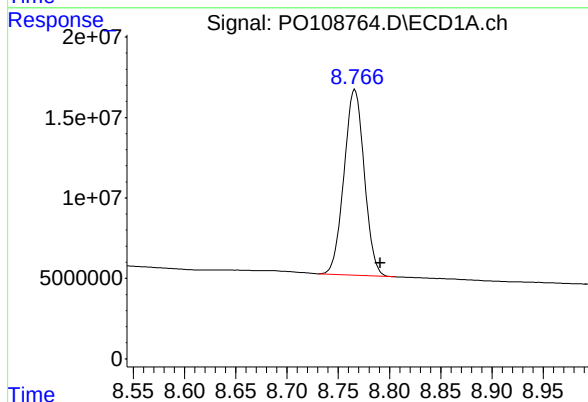
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



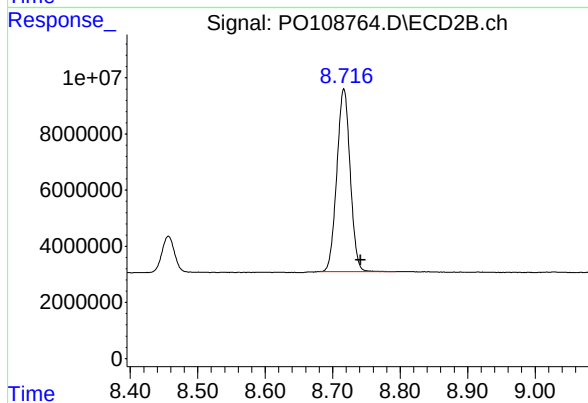
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.008 min
Response: 97355081
Conc: 19.20 ng/ml



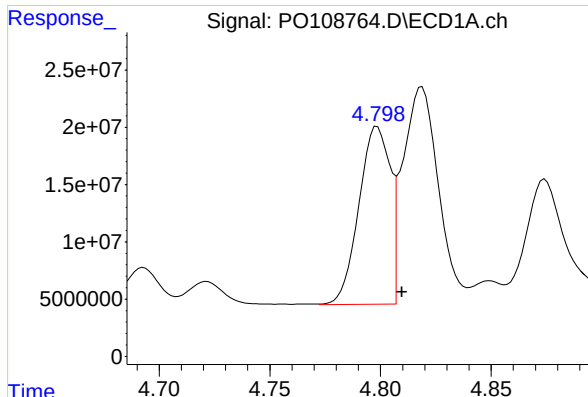
#2 Decachlorobiphenyl

R.T.: 8.766 min
Delta R.T.: -0.025 min
Response: 158347466
Conc: 21.68 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.717 min
Delta R.T.: -0.025 min
Response: 89764925
Conc: 23.17 ng/ml



#3 AR-1016-1

R.T.: 4.798 min
Delta R.T.: -0.012 min
Response: 145432332
Conc: 471.50 ng/ml

Instrument :

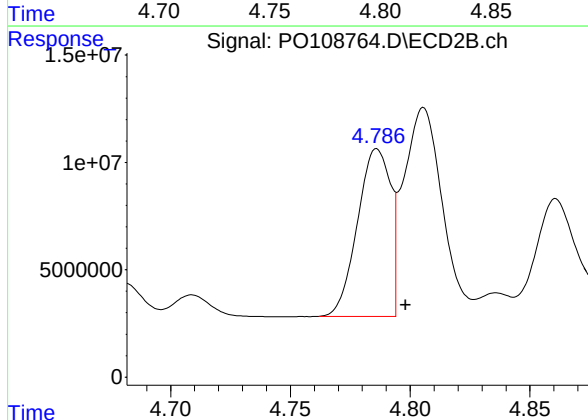
ECD_O

ClientSampleId :

PB165843BS

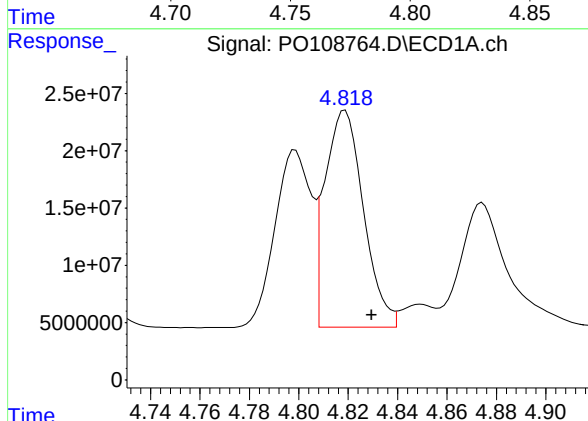
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



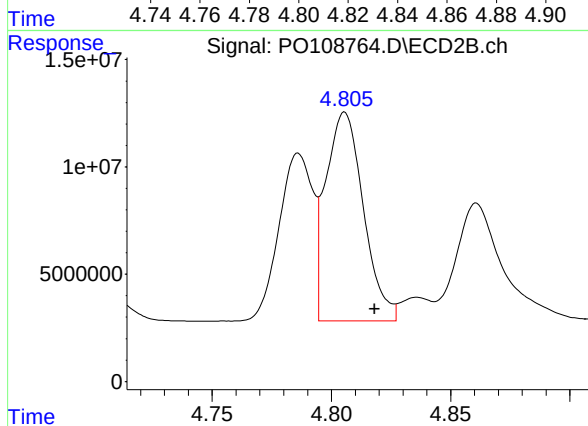
#3 AR-1016-1

R.T.: 4.786 min
Delta R.T.: -0.013 min
Response: 75056310
Conc: 467.72 ng/ml



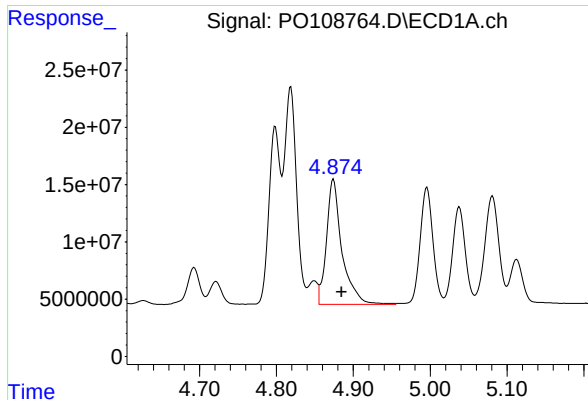
#4 AR-1016-2

R.T.: 4.818 min
Delta R.T.: -0.011 min
Response: 199844723
Conc: 478.76 ng/ml



#4 AR-1016-2

R.T.: 4.806 min
Delta R.T.: -0.013 min
Response: 107010533
Conc: 481.83 ng/ml



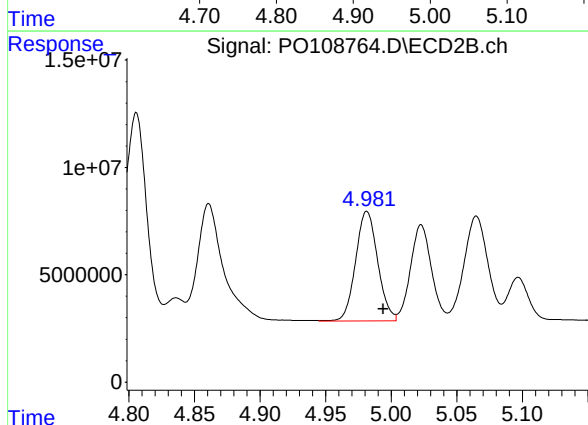
#5 AR-1016-3

R.T.: 4.874 min
Delta R.T.: -0.011 min
Response: 152202988
Conc: 520.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS

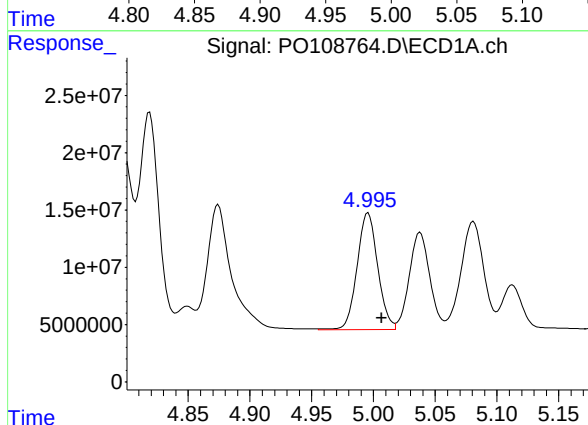
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



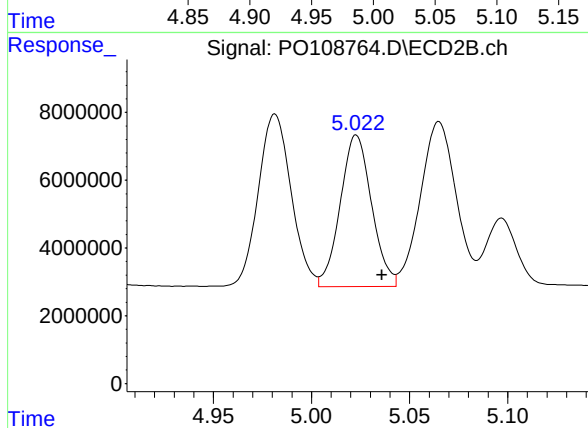
#5 AR-1016-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 59862847
Conc: 475.73 ng/ml



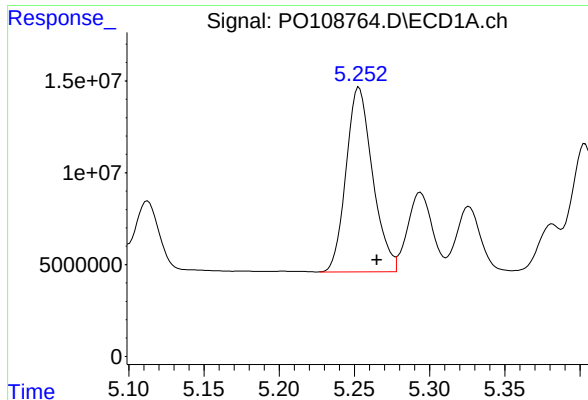
#6 AR-1016-4

R.T.: 4.996 min
Delta R.T.: -0.011 min
Response: 118616355
Conc: 513.10 ng/ml



#6 AR-1016-4

R.T.: 5.023 min
Delta R.T.: -0.013 min
Response: 49759685
Conc: 474.78 ng/ml



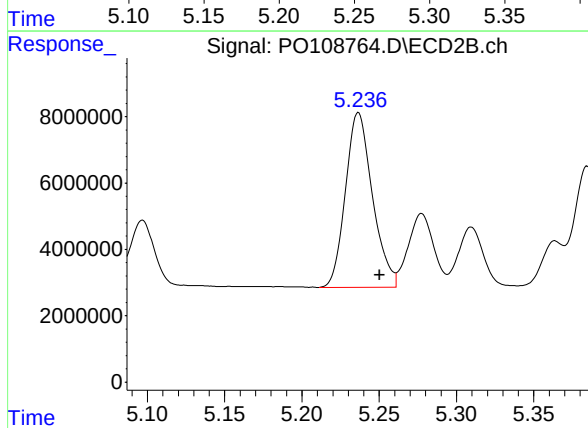
#7 AR-1016-5

R.T.: 5.253 min
Delta R.T.: -0.012 min
Response: 123436227
Conc: 490.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS

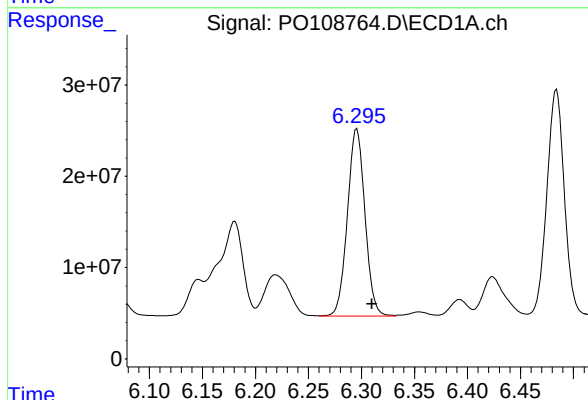
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



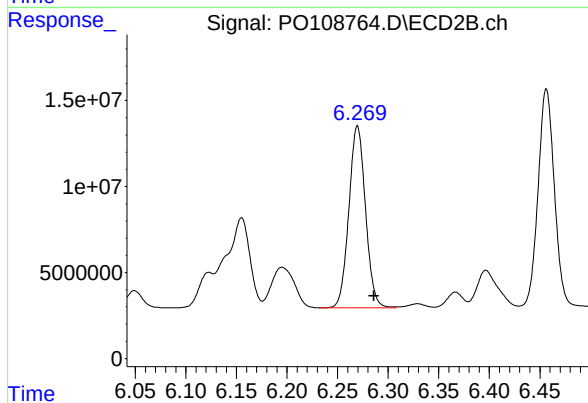
#7 AR-1016-5

R.T.: 5.237 min
Delta R.T.: -0.014 min
Response: 63807633
Conc: 471.91 ng/ml



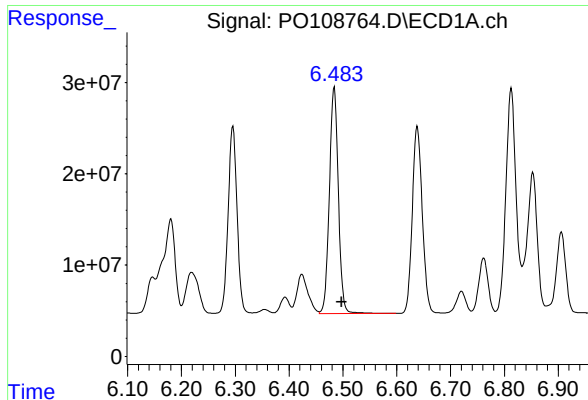
#31 AR-1260-1

R.T.: 6.296 min
Delta R.T.: -0.014 min
Response: 237420675
Conc: 519.36 ng/ml



#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.017 min
Response: 120776699
Conc: 516.06 ng/ml



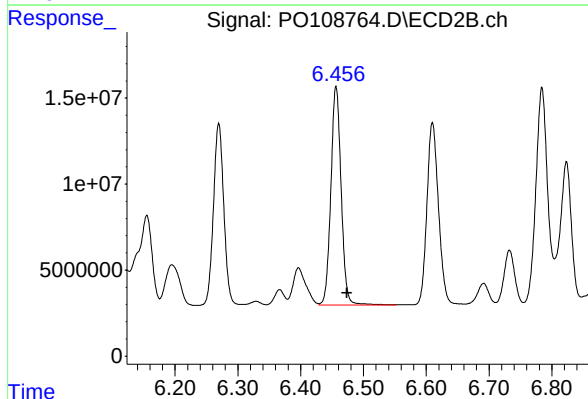
#32 AR-1260-2

R.T.: 6.484 min
Delta R.T.: -0.014 min
Response: 287727671
Conc: 517.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS

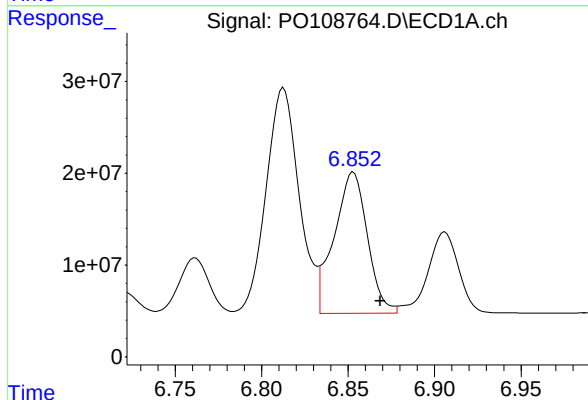
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



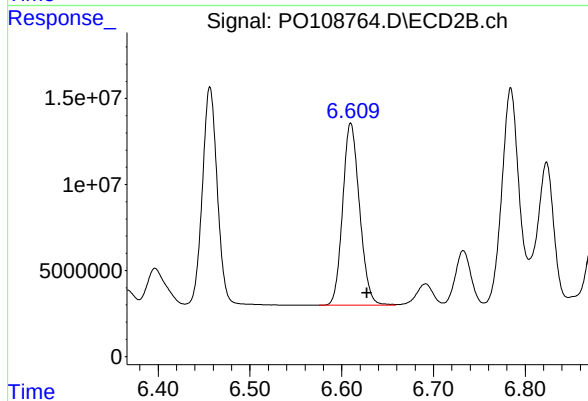
#32 AR-1260-2

R.T.: 6.456 min
Delta R.T.: -0.017 min
Response: 144450040
Conc: 514.85 ng/ml



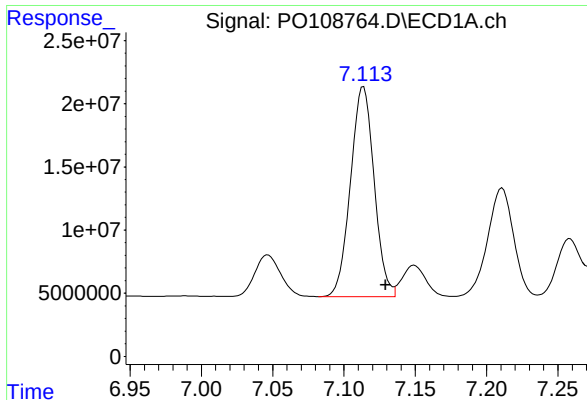
#33 AR-1260-3

R.T.: 6.853 min
Delta R.T.: -0.016 min
Response: 205623093
Conc: 443.46 ng/ml



#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.018 min
Response: 135441984
Conc: 513.88 ng/ml



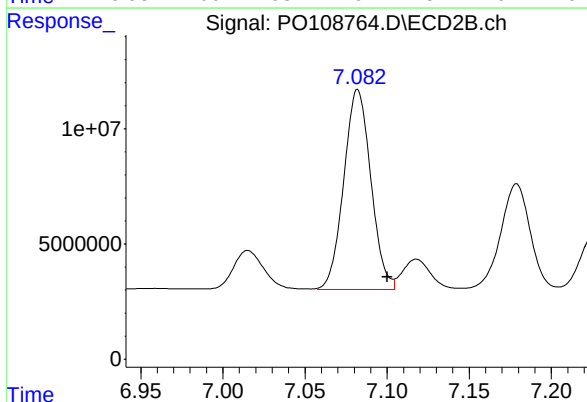
#34 AR-1260-4

R.T.: 7.114 min
Delta R.T.: -0.016 min
Response: 191686117
Conc: 450.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS

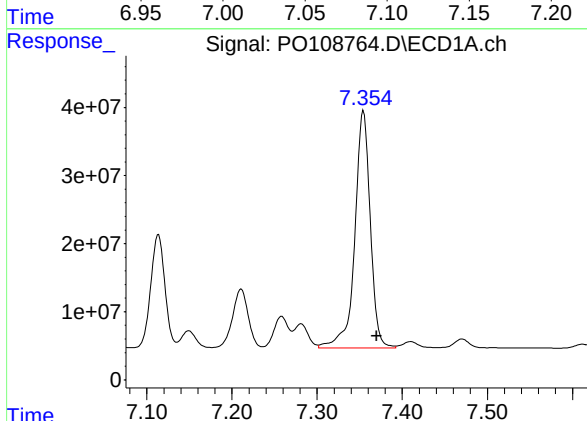
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



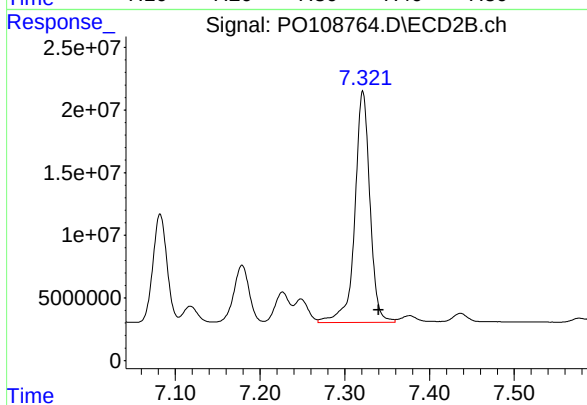
#34 AR-1260-4

R.T.: 7.082 min
Delta R.T.: -0.018 min
Response: 99875620
Conc: 469.45 ng/ml



#35 AR-1260-5

R.T.: 7.354 min
Delta R.T.: -0.016 min
Response: 440110744
Conc: 452.84 ng/ml



#35 AR-1260-5

R.T.: 7.321 min
Delta R.T.: -0.019 min
Response: 228902246
Conc: 473.00 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/20/24
Client Sample ID:	AU-06-122024MS	SDG No.:	P5380
Lab Sample ID:	P5318-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.2
Sample Wt/Vol:	30.02 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
PO108767.D	1	12/26/24 08:30	12/26/24 13:34	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	138		3.90	9.60	19.7	ug/kg
11104-28-2	Aroclor-1221	15.1	U	7.40	15.1	19.7	ug/kg
11141-16-5	Aroclor-1232	15.1	U	3.90	15.1	19.7	ug/kg
53469-21-9	Aroclor-1242	9.60	U	3.90	9.60	19.7	ug/kg
12672-29-6	Aroclor-1248	15.1	U	9.10	15.1	19.7	ug/kg
11097-69-1	Aroclor-1254	67.0		3.20	15.1	19.7	ug/kg
37324-23-5	Aroclor-1262	9.60	U	5.30	9.60	19.7	ug/kg
11100-14-4	Aroclor-1268	15.1	U	4.00	15.1	19.7	ug/kg
11096-82-5	Aroclor-1260	124		3.40	9.60	19.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	13.5		44 - 130		67%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.1		60 - 125		61%	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\PO122624\
Data File : PO108767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 13:34
Operator : YP/AJ
Sample : P5318-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AU-06-122024MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:25:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	117.1E6	63005635	13.465	12.429
2) SA Decachlor...	8.767	8.716	79994059	47034703	10.952	12.138
Target Compounds						
3) L1 AR-1016-1	4.799	4.786	111.4E6	57738215	361.068m	359.797m
4) L1 AR-1016-2	4.819	4.805	139.2E6	79882192	333.477m	359.679m
5) L1 AR-1016-3	4.874	4.982	101.6E6	47595257	347.045m	378.240
6) L1 AR-1016-4	4.995	5.023	78285027	39357397	338.637m	375.527
7) L1 AR-1016-5	5.253	5.236	70709034	41496048	280.959	306.898
26) L6 AR-1254-1	5.610	5.589	83640162	44889774	162.838	165.748m
27) L6 AR-1254-2	5.758	5.735	72002105	37409671	158.087	155.860m
28) L6 AR-1254-3	6.180	6.155	88420672	42236300	122.785m	112.477m
29) L6 AR-1254-4	6.394	6.367	21409815	12408858	48.790	57.006
30) L6 AR-1254-5	6.813	6.784	205.2E6	121.2E6	323.152	375.633
31) L7 AR-1260-1	6.296	6.270	143.5E6	82940985	313.875	354.395
32) L7 AR-1260-2	6.485	6.457	165.4E6	97504750	297.586	347.527
33) L7 AR-1260-3	6.854	6.610	104.5E6	90045747	225.333	341.641 #
34) L7 AR-1260-4	7.113	7.081	99412583	58853339	233.725	276.631m
35) L7 AR-1260-5	7.355	7.321	226.1E6	134.4E6	232.673	277.749

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 13:34
Operator : YP/AJ
Sample : P5318-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AU-06-122024MS

Manual Integrations

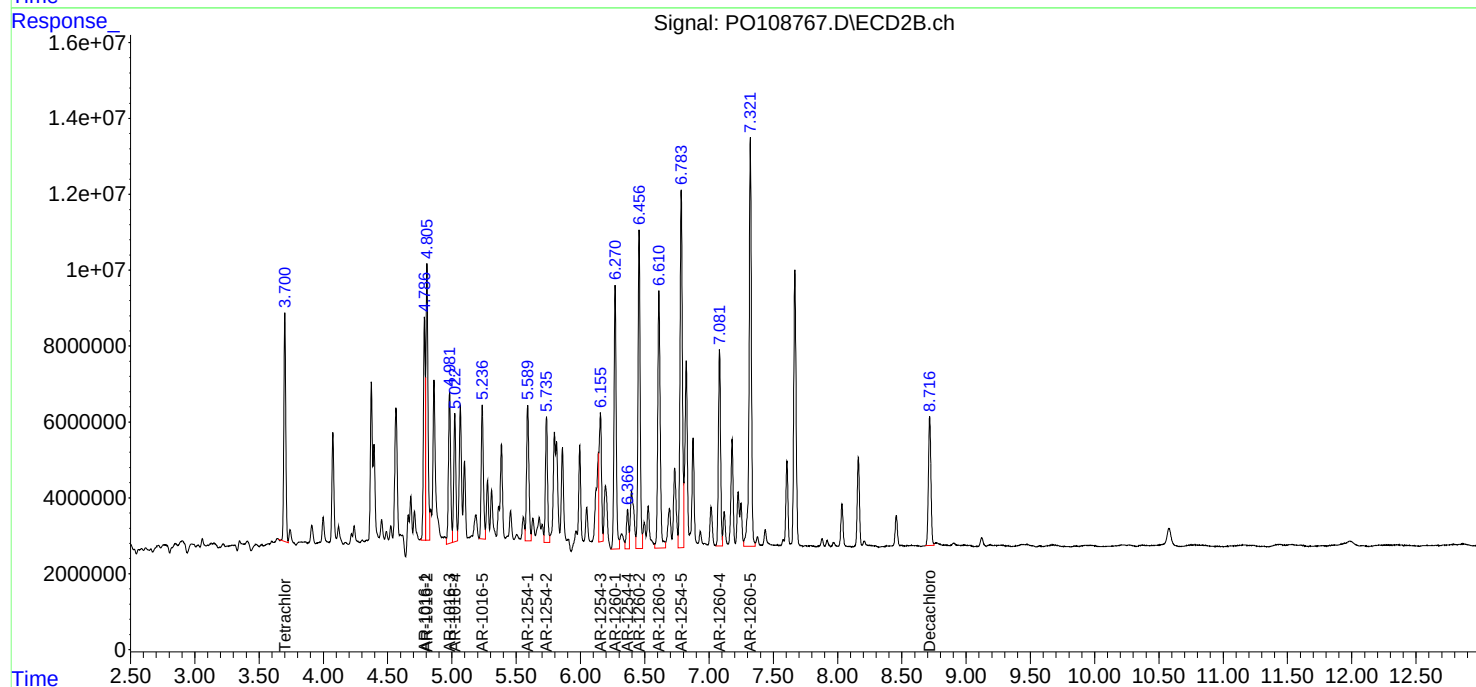
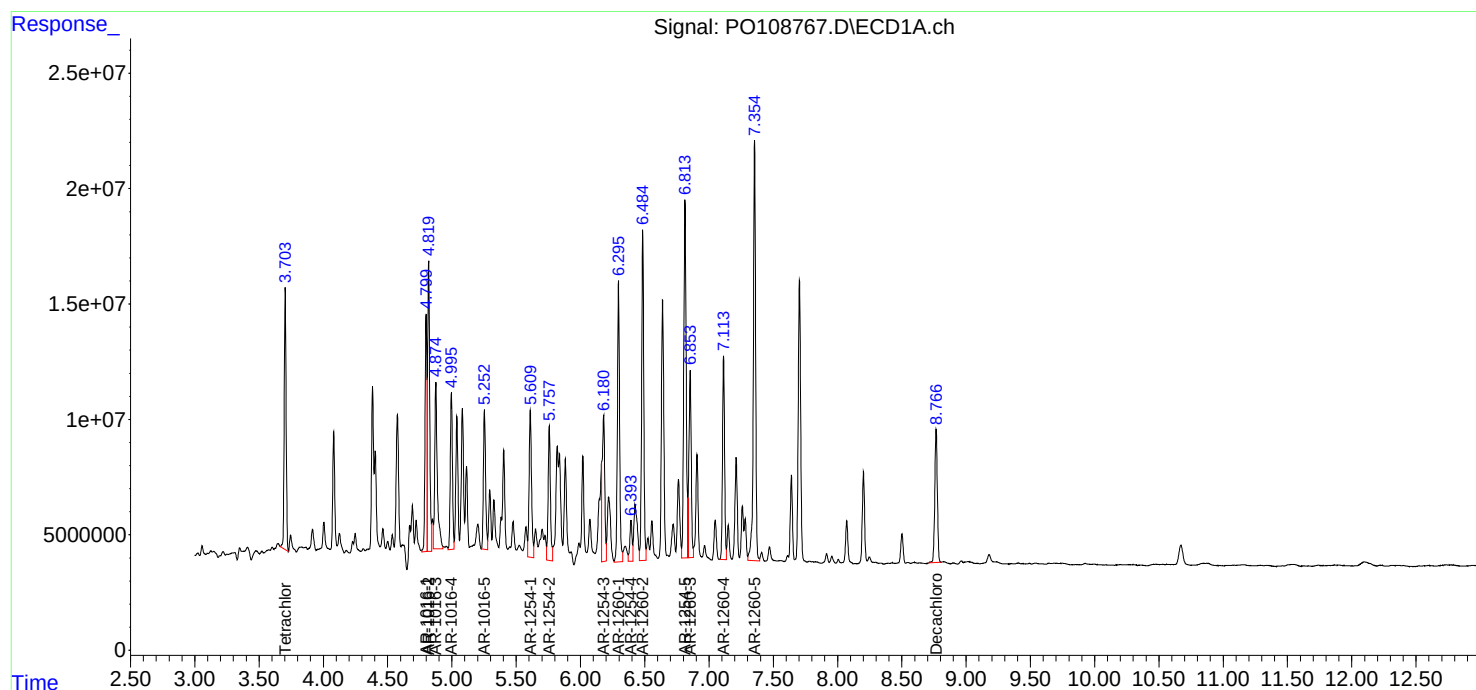
APPROVED

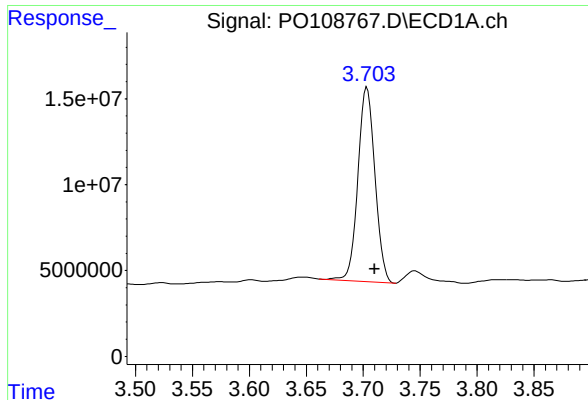
Reviewed By :Yogesh Patel 12/27/2024

Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:25:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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.: 3.703 min
Delta R.T.: -0.007 min
Response: 117147112
Conc: 13.46 ng/ml

Instrument :

ECD_O

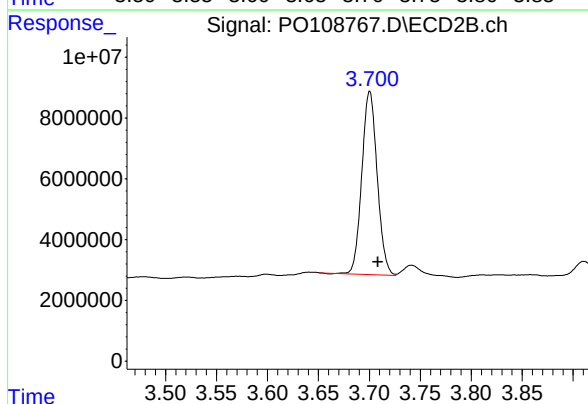
ClientSampleId :

AU-06-122024MS

Manual Integrations

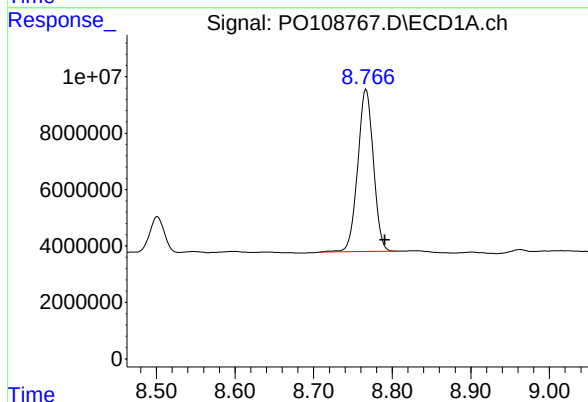
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



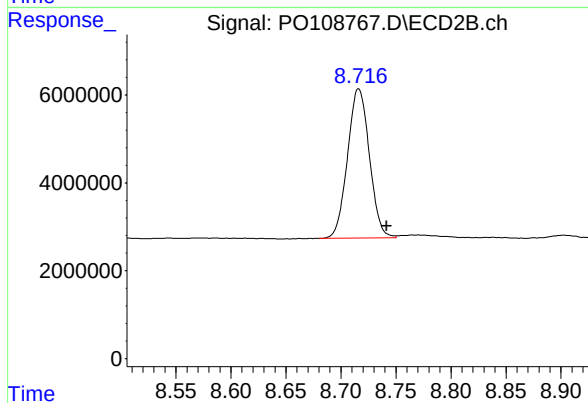
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.008 min
Response: 63005635
Conc: 12.43 ng/ml



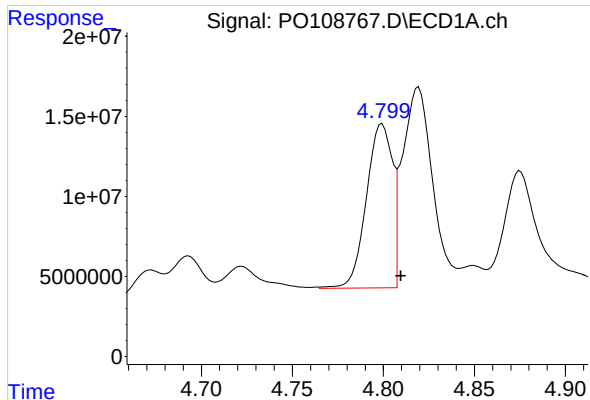
#2 Decachlorobiphenyl

R.T.: 8.767 min
Delta R.T.: -0.024 min
Response: 79994059
Conc: 10.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.716 min
Delta R.T.: -0.025 min
Response: 47034703
Conc: 12.14 ng/ml



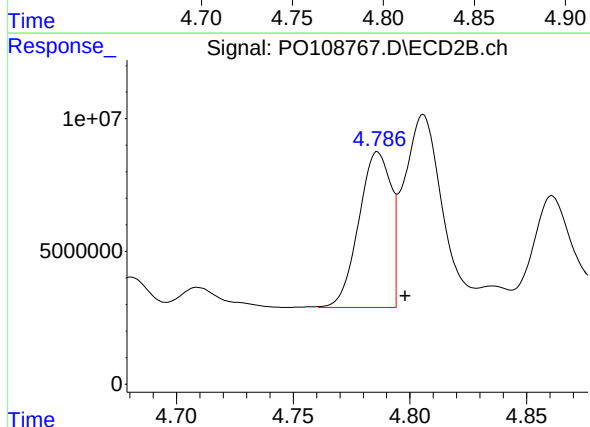
#3 AR-1016-1

R.T.: 4.799 min
Delta R.T.: -0.011 min
Response: 111369039
Conc: 361.07 ng/ml m

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

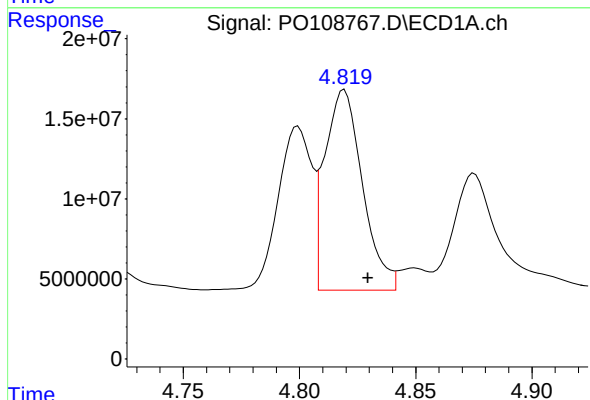
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



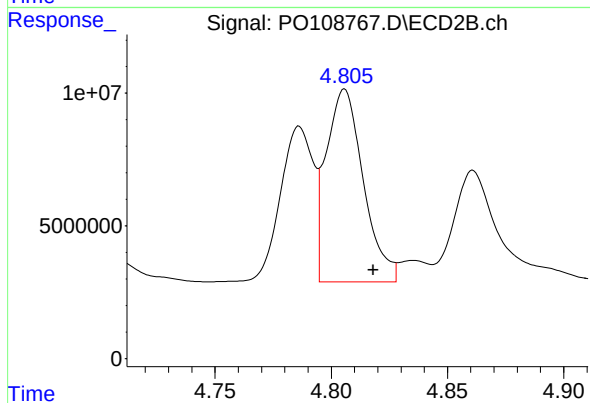
#3 AR-1016-1

R.T.: 4.786 min
Delta R.T.: -0.012 min
Response: 57738215
Conc: 359.80 ng/ml m



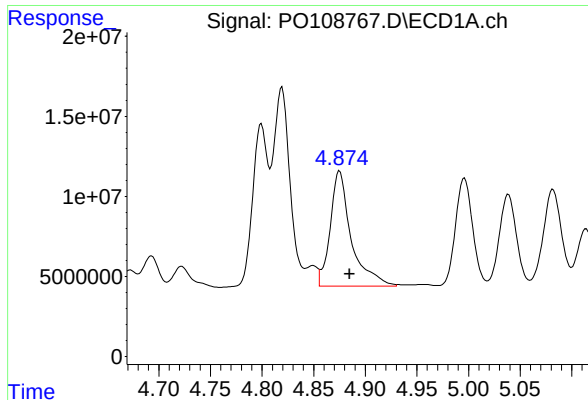
#4 AR-1016-2

R.T.: 4.819 min
Delta R.T.: -0.011 min
Response: 139199554
Conc: 333.48 ng/ml m



#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: -0.013 min
Response: 79882192
Conc: 359.68 ng/ml m



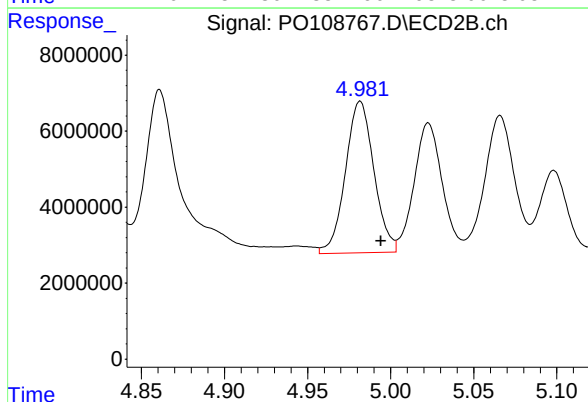
#5 AR-1016-3

R.T.: 4.874 min
Delta R.T.: -0.010 min
Response: 101556077
Conc: 347.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

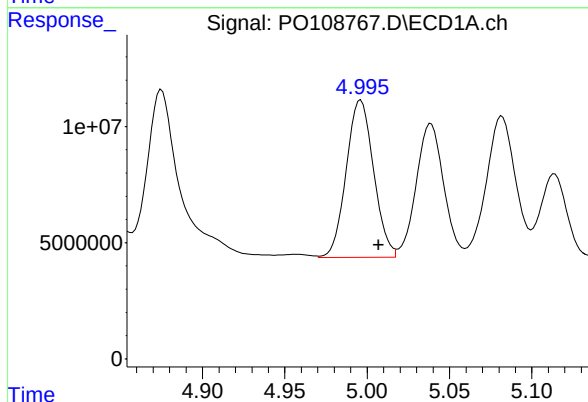
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



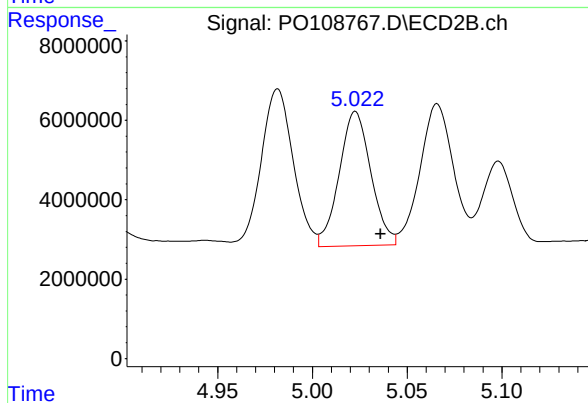
#5 AR-1016-3

R.T.: 4.982 min
Delta R.T.: -0.012 min
Response: 47595257
Conc: 378.24 ng/ml



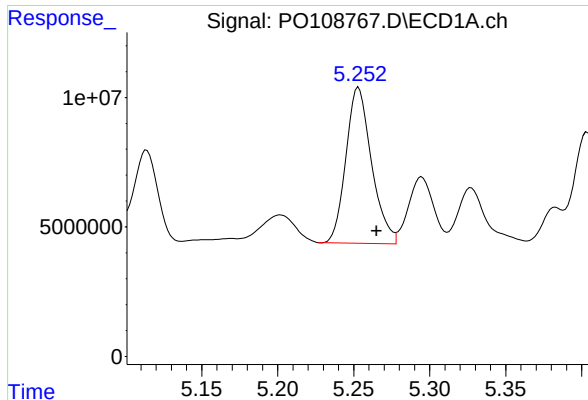
#6 AR-1016-4

R.T.: 4.995 min
Delta R.T.: -0.011 min
Response: 78285027
Conc: 338.64 ng/ml m



#6 AR-1016-4

R.T.: 5.023 min
Delta R.T.: -0.013 min
Response: 39357397
Conc: 375.53 ng/ml



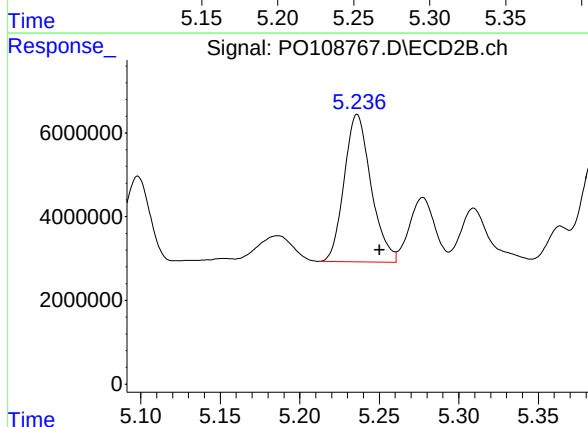
#7 AR-1016-5

R.T.: 5.253 min
Delta R.T.: -0.012 min
Response: 70709034
Conc: 280.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

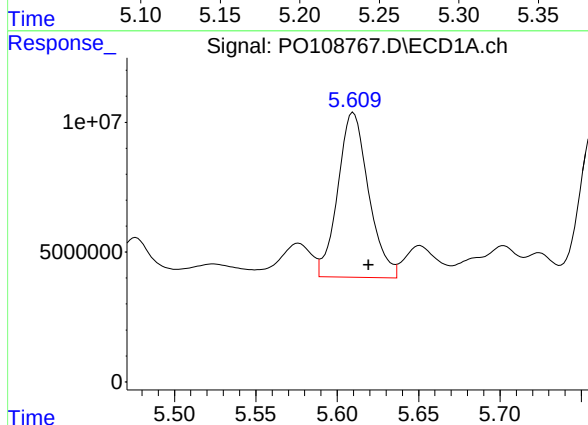
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



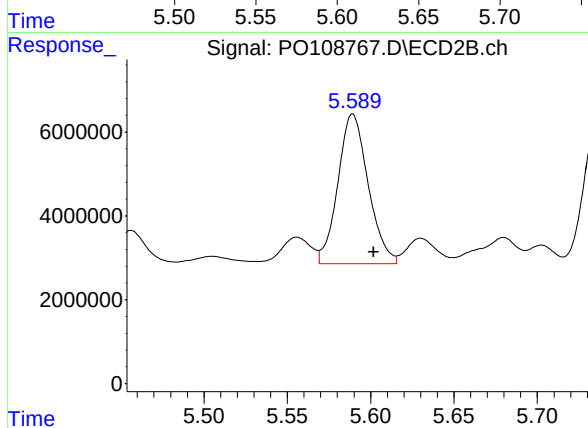
#7 AR-1016-5

R.T.: 5.236 min
Delta R.T.: -0.014 min
Response: 41496048
Conc: 306.90 ng/ml



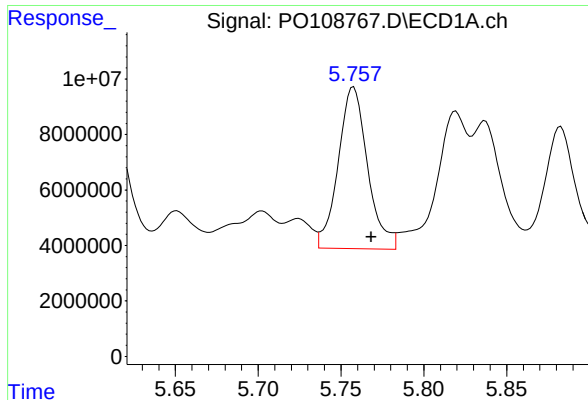
#26 AR-1254-1

R.T.: 5.610 min
Delta R.T.: -0.009 min
Response: 83640162
Conc: 162.84 ng/ml



#26 AR-1254-1

R.T.: 5.589 min
Delta R.T.: -0.013 min
Response: 44889774
Conc: 165.75 ng/ml m



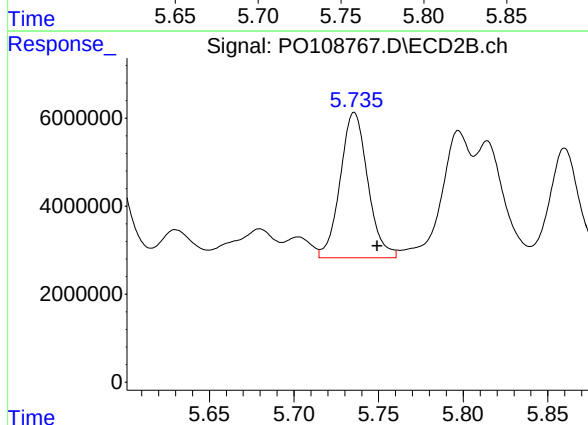
#27 AR-1254-2

R.T.: 5.758 min
Delta R.T.: -0.011 min
Response: 72002105
Conc: 158.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

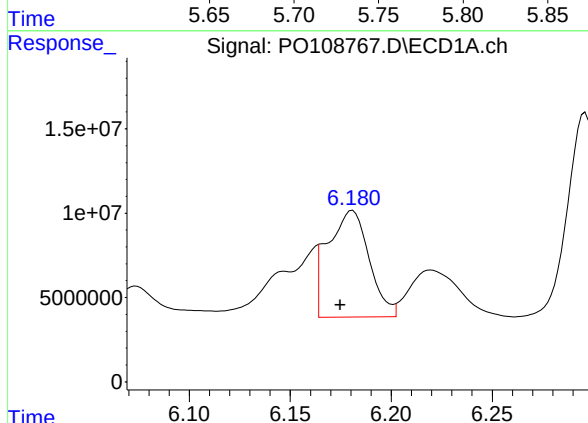
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



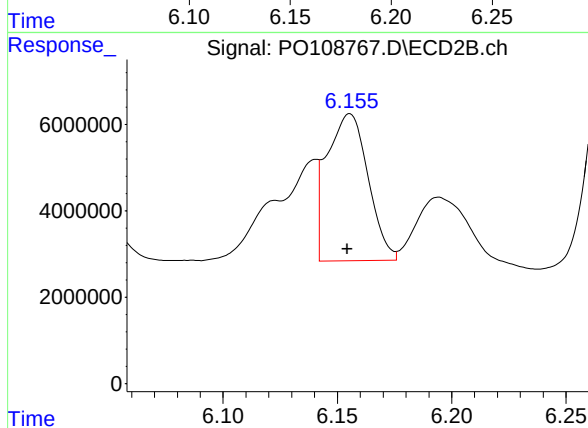
#27 AR-1254-2

R.T.: 5.735 min
Delta R.T.: -0.014 min
Response: 37409671
Conc: 155.86 ng/ml



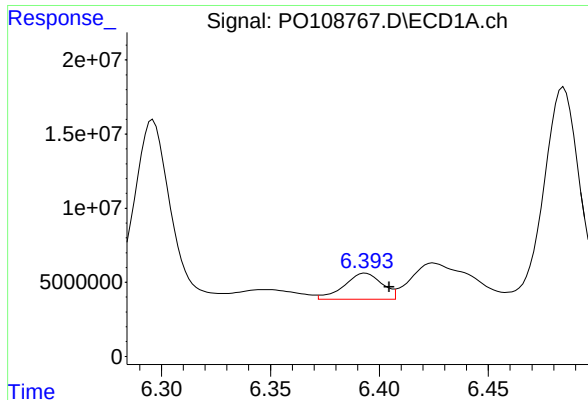
#28 AR-1254-3

R.T.: 6.180 min
Delta R.T.: 0.005 min
Response: 88420672
Conc: 122.78 ng/ml



#28 AR-1254-3

R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 42236300
Conc: 112.48 ng/ml



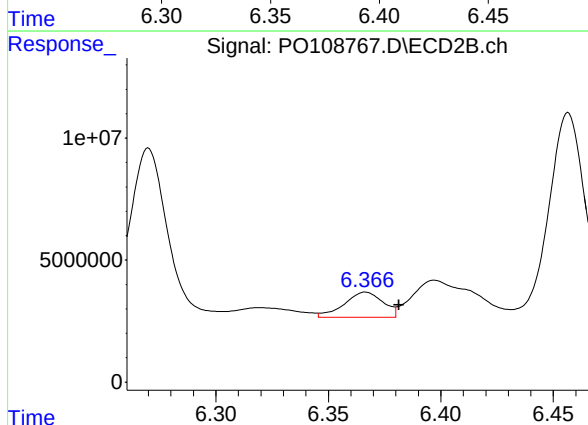
#29 AR-1254-4

R.T.: 6.394 min
Delta R.T.: -0.011 min
Response: 21409815
Conc: 48.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

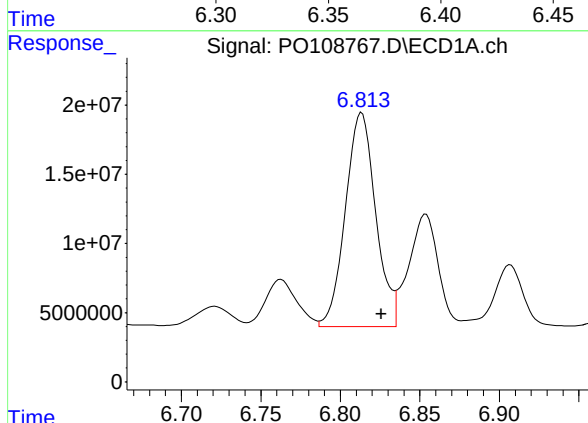
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



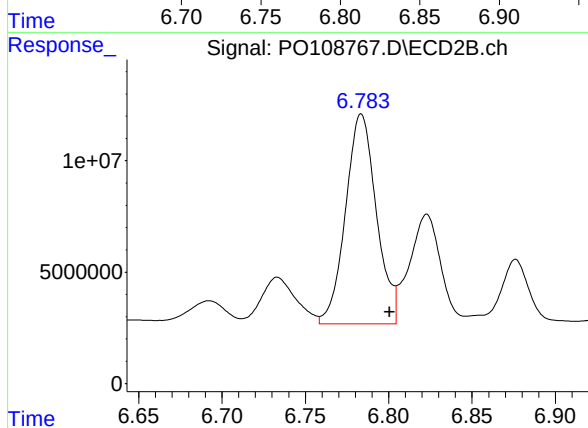
#29 AR-1254-4

R.T.: 6.367 min
Delta R.T.: -0.015 min
Response: 12408858
Conc: 57.01 ng/ml



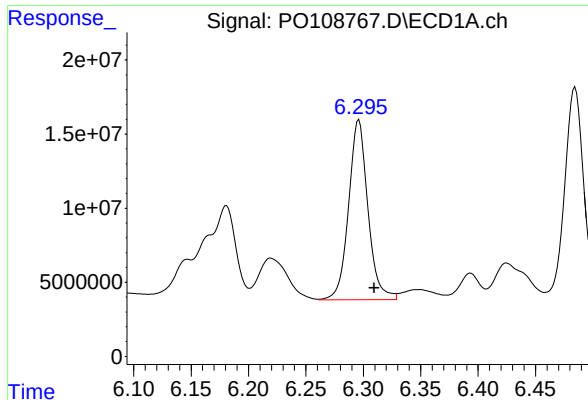
#30 AR-1254-5

R.T.: 6.813 min
Delta R.T.: -0.012 min
Response: 205241012
Conc: 323.15 ng/ml



#30 AR-1254-5

R.T.: 6.784 min
Delta R.T.: -0.017 min
Response: 121239130
Conc: 375.63 ng/ml



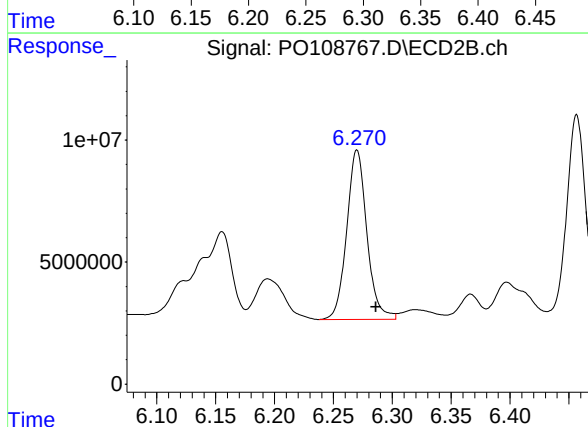
#31 AR-1260-1

R.T.: 6.296 min
Delta R.T.: -0.014 min
Response: 143486261
Conc: 313.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

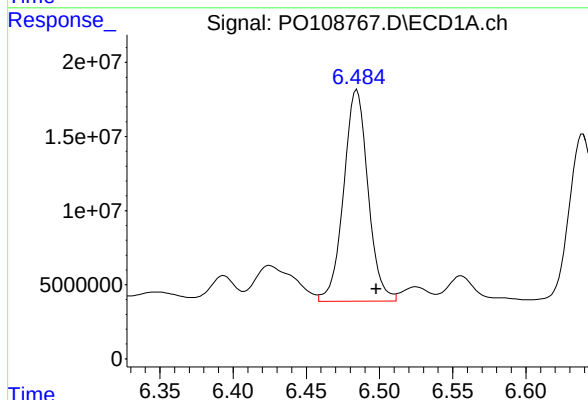
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



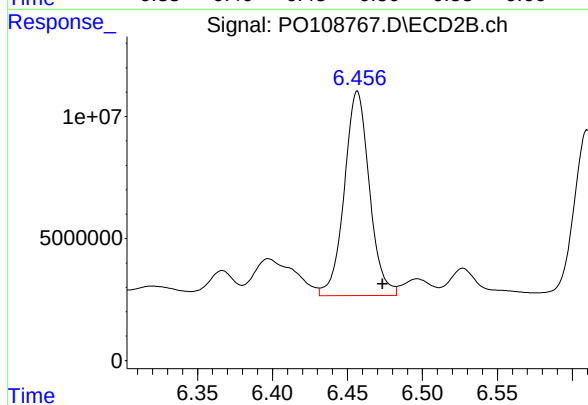
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.016 min
Response: 82940985
Conc: 354.40 ng/ml



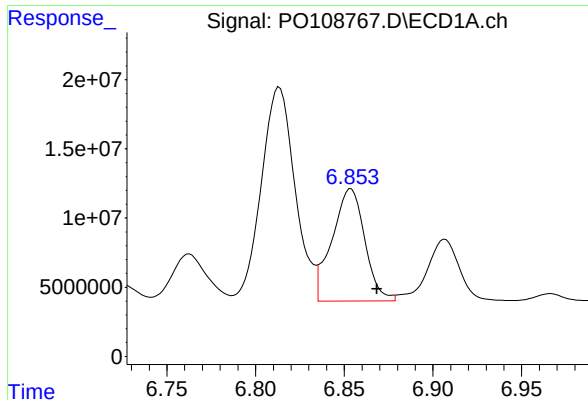
#32 AR-1260-2

R.T.: 6.485 min
Delta R.T.: -0.013 min
Response: 165374306
Conc: 297.59 ng/ml



#32 AR-1260-2

R.T.: 6.457 min
Delta R.T.: -0.017 min
Response: 97504750
Conc: 347.53 ng/ml



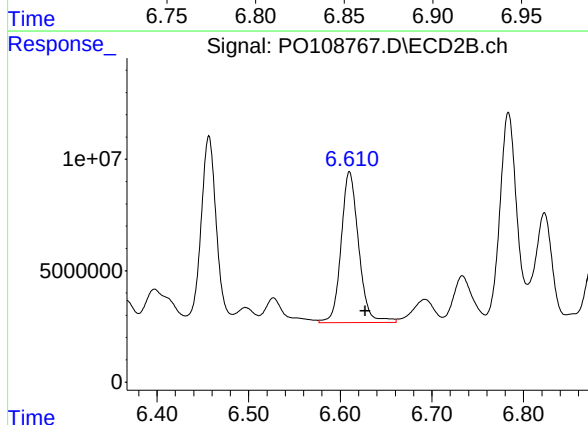
#33 AR-1260-3

R.T.: 6.854 min
Delta R.T.: -0.015 min
Response: 104482090
Conc: 225.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

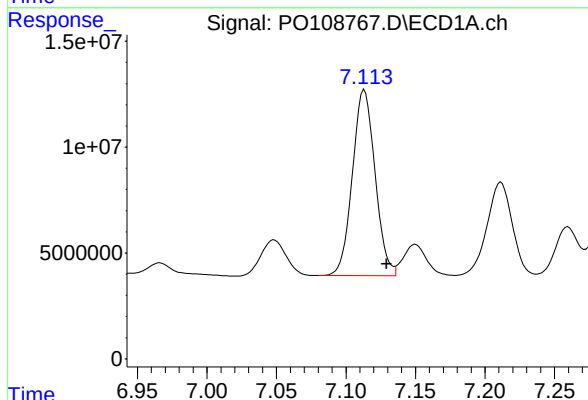
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



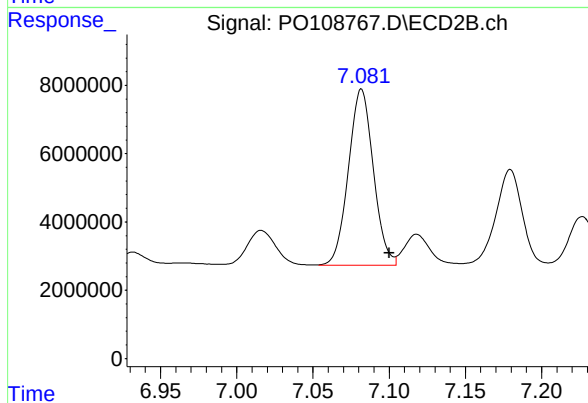
#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.018 min
Response: 90045747
Conc: 341.64 ng/ml



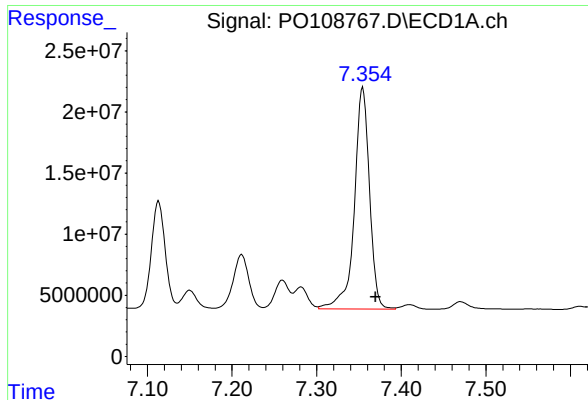
#34 AR-1260-4

R.T.: 7.113 min
Delta R.T.: -0.016 min
Response: 99412583
Conc: 233.72 ng/ml



#34 AR-1260-4

R.T.: 7.081 min
Delta R.T.: -0.019 min
Response: 58853339
Conc: 276.63 ng/ml m



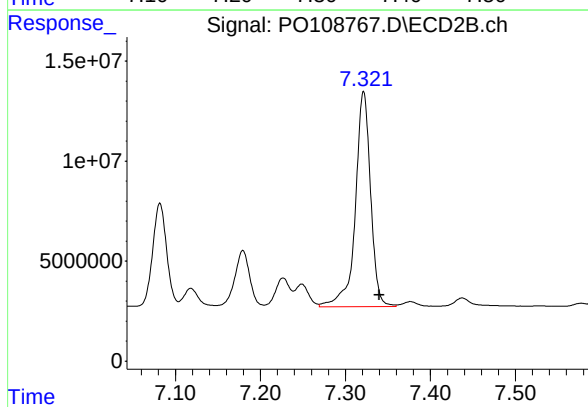
#35 AR-1260-5

R.T.: 7.355 min
Delta R.T.: -0.015 min
Response: 226131144
Conc: 232.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



#35 AR-1260-5

R.T.: 7.321 min
Delta R.T.: -0.019 min
Response: 134412068
Conc: 277.75 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/20/24
Client Sample ID:	AU-06-122024MSD	SDG No.:	P5380
Lab Sample ID:	P5318-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.2
Sample Wt/Vol:	30.04 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
PO108768.D	1	12/26/24 08:30	12/26/24 13:52	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	134		3.90	9.60	19.7	ug/kg
11104-28-2	Aroclor-1221	15.1	U	7.40	15.1	19.7	ug/kg
11141-16-5	Aroclor-1232	15.1	U	3.90	15.1	19.7	ug/kg
53469-21-9	Aroclor-1242	9.60	U	3.90	9.60	19.7	ug/kg
12672-29-6	Aroclor-1248	15.1	U	9.10	15.1	19.7	ug/kg
11097-69-1	Aroclor-1254	76.1		3.20	15.1	19.7	ug/kg
37324-23-5	Aroclor-1262	9.60	U	5.30	9.60	19.7	ug/kg
11100-14-4	Aroclor-1268	15.1	U	4.00	15.1	19.7	ug/kg
11096-82-5	Aroclor-1260	127		3.40	9.60	19.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	13.9		44 - 130		70%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.3		60 - 125		66%	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\PO122624\
 Data File : PO108768.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Dec 2024 13:52
 Operator : YP/AJ
 Sample : P5318-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AU-06-122024MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2024

Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 26 20:25:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	121.3E6	68967710	13.944	13.605
2) SA Decachlor...	8.765	8.716	86238901	51471776	11.807	13.283
Target Compounds						
3) L1 AR-1016-1	4.798	4.785	109.7E6	54581003	355.566m	340.123m
4) L1 AR-1016-2	4.817	4.805	142.3E6	80430843	340.987m	362.150m
5) L1 AR-1016-3	4.873	4.981	104.7E6	44950074	357.771m	357.218
6) L1 AR-1016-4	4.995	5.022	79714078	37634335	344.818m	359.086
7) L1 AR-1016-5	5.253	5.236	74494284	43370701	296.000	320.763
26) L6 AR-1254-1	5.609	5.589	78456670	45901974	152.746	169.485
27) L6 AR-1254-2	5.757	5.735	66871719	39255320	146.823	163.550
28) L6 AR-1254-3	6.179	6.155	86582522	49540869	120.232m	131.929m
29) L6 AR-1254-4	6.393	6.397	20748526	27048501	47.283	124.260 #
30) L6 AR-1254-5	6.813	6.783	215.8E6	127.8E6	339.800	395.945
31) L7 AR-1260-1	6.295	6.270	143.2E6	83772123	313.266	357.946
32) L7 AR-1260-2	6.484	6.456	162.1E6	97069129	291.727	345.974
33) L7 AR-1260-3	6.853	6.610	111.8E6	89688226	241.075	340.285 #
34) L7 AR-1260-4	7.113	7.081	108.5E6	65021372	255.080	305.623m
35) L7 AR-1260-5	7.354	7.321	238.7E6	142.9E6	245.648	295.381

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108768.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 13:52
Operator : YP/AJ
Sample : P5318-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

AU-06-122024MSD

Manual Integrations

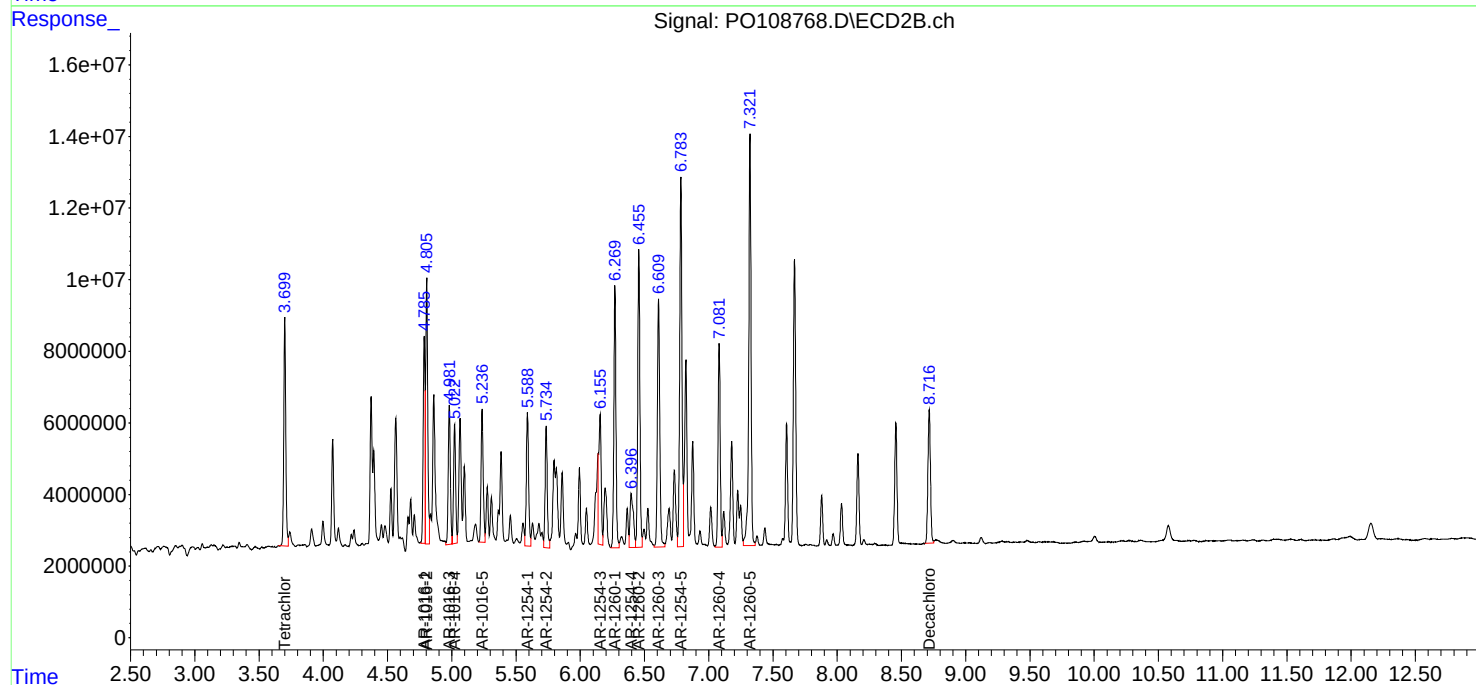
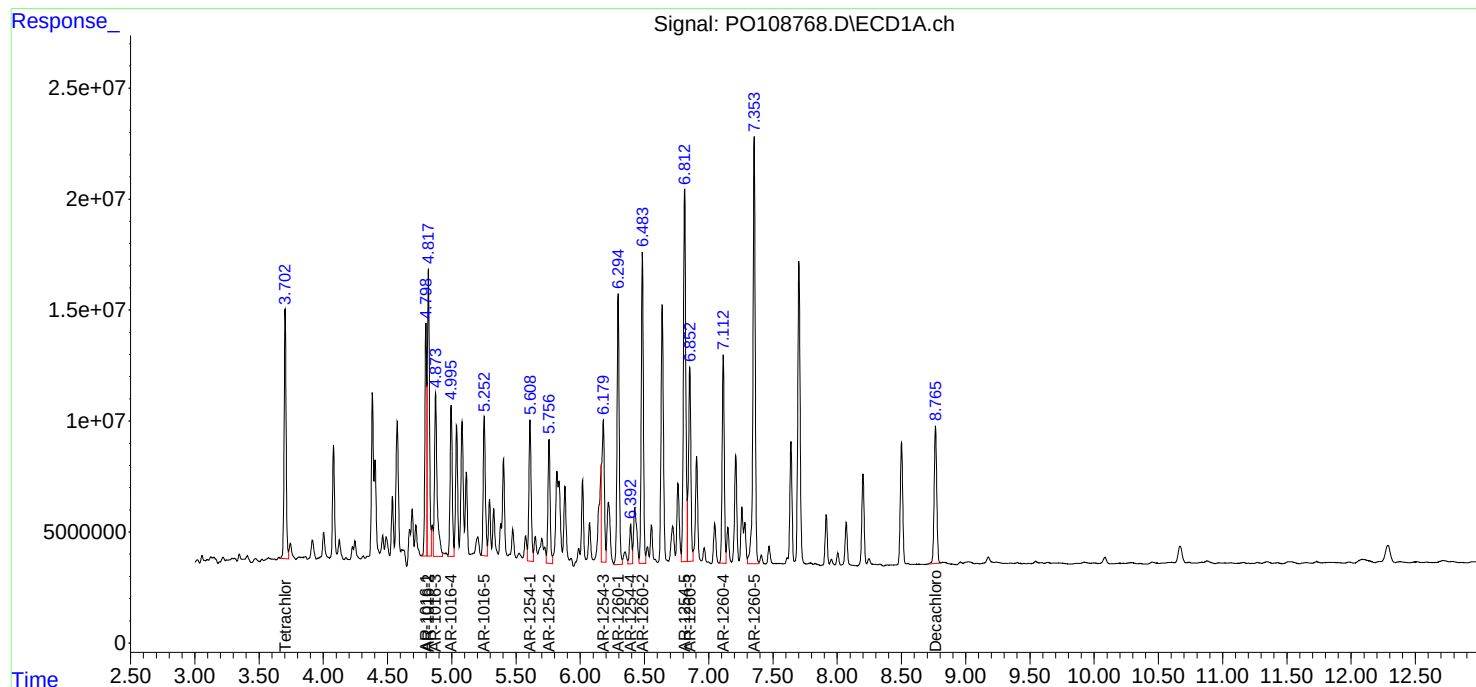
APPROVED

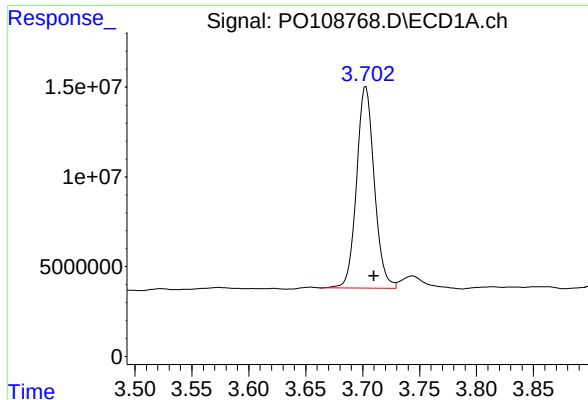
Reviewed By :Yogesh Patel 12/27/2024

Supervised By :Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:25:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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.: 3.703 min
Delta R.T.: -0.007 min
Response: 121311562
Conc: 13.94 ng/ml

Instrument :

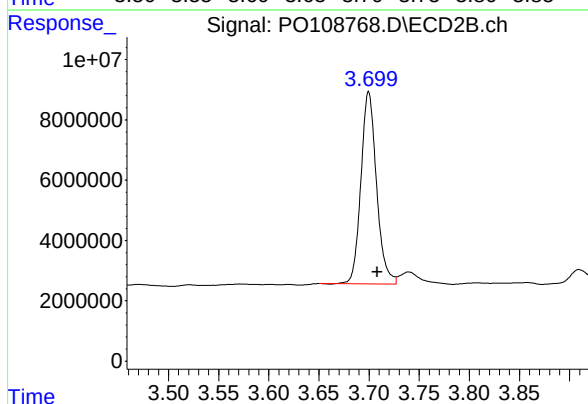
ECD_O

ClientSampleId :

AU-06-122024MSD

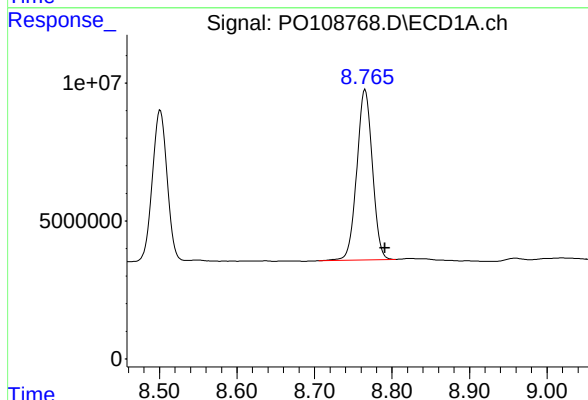
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



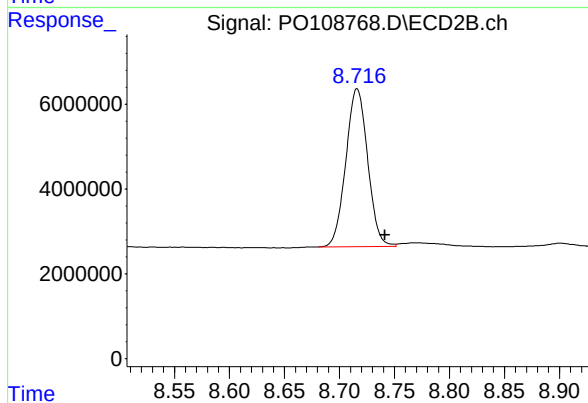
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.009 min
Response: 68967710
Conc: 13.60 ng/ml



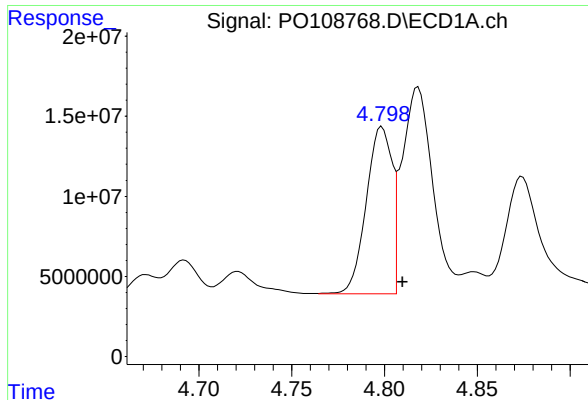
#2 Decachlorobiphenyl

R.T.: 8.765 min
Delta R.T.: -0.026 min
Response: 86238901
Conc: 11.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.716 min
Delta R.T.: -0.025 min
Response: 51471776
Conc: 13.28 ng/ml



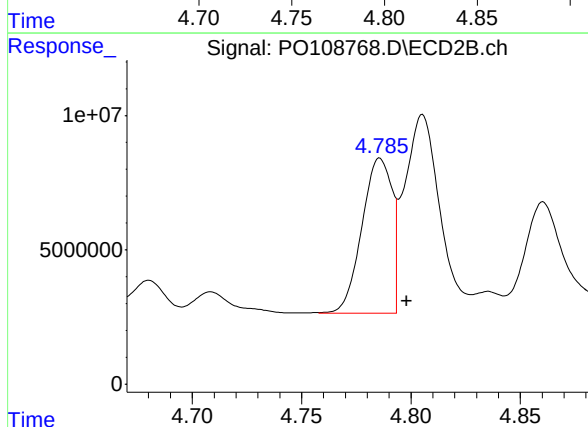
#3 AR-1016-1

R.T.: 4.798 min
Delta R.T.: -0.012 min
Response: 109672021
Conc: 355.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

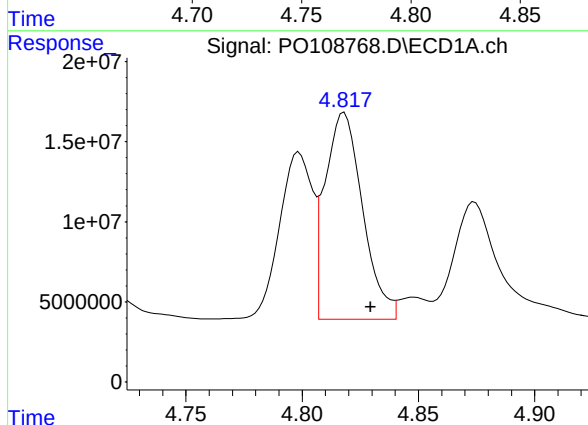
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



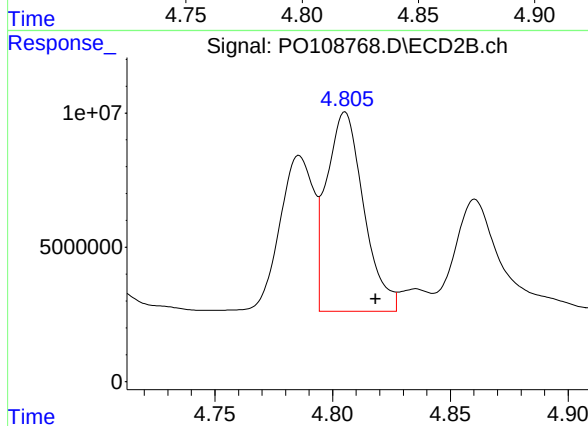
#3 AR-1016-1

R.T.: 4.785 min
Delta R.T.: -0.013 min
Response: 54581003
Conc: 340.12 ng/ml



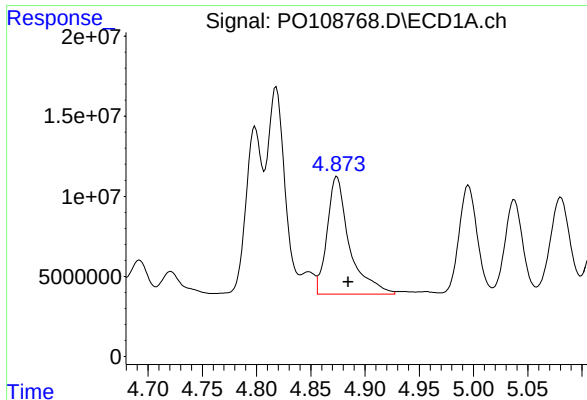
#4 AR-1016-2

R.T.: 4.817 min
Delta R.T.: -0.012 min
Response: 142334351
Conc: 340.99 ng/ml



#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: -0.013 min
Response: 80430843
Conc: 362.15 ng/ml



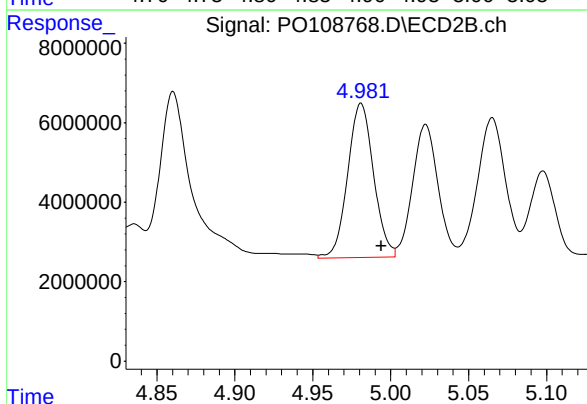
#5 AR-1016-3

R.T.: 4.873 min
Delta R.T.: -0.012 min
Response: 104695113
Conc: 357.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

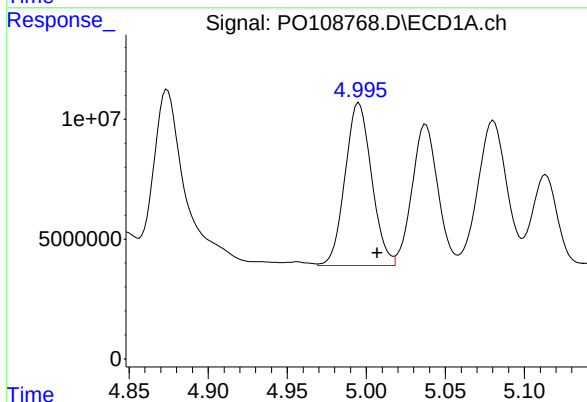
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



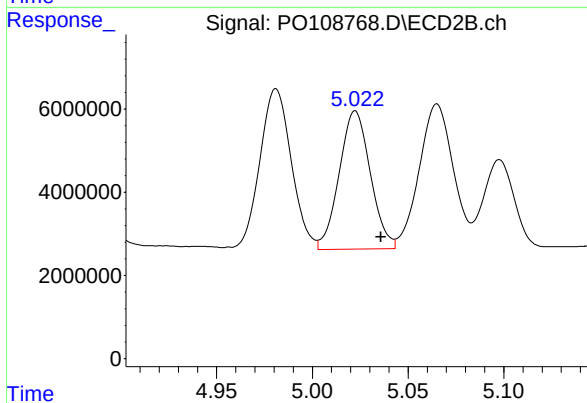
#5 AR-1016-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 44950074
Conc: 357.22 ng/ml



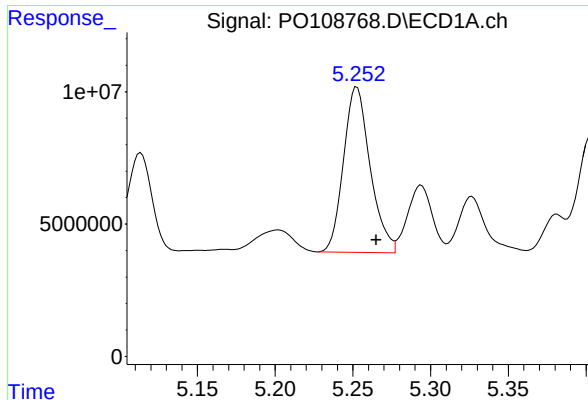
#6 AR-1016-4

R.T.: 4.995 min
Delta R.T.: -0.012 min
Response: 79714078
Conc: 344.82 ng/ml m



#6 AR-1016-4

R.T.: 5.022 min
Delta R.T.: -0.013 min
Response: 37634335
Conc: 359.09 ng/ml



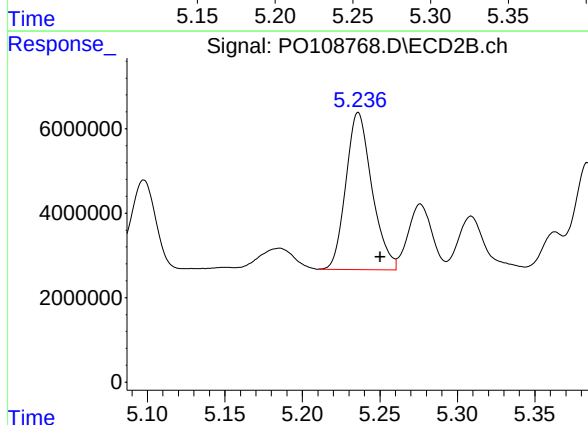
#7 AR-1016-5

R.T.: 5.253 min
Delta R.T.: -0.012 min
Response: 74494284
Conc: 296.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

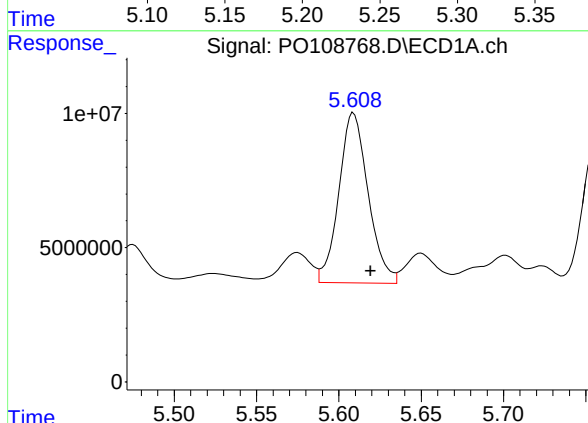
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



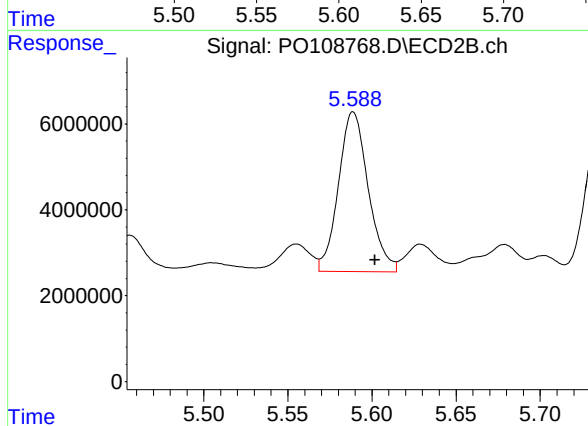
#7 AR-1016-5

R.T.: 5.236 min
Delta R.T.: -0.014 min
Response: 43370701
Conc: 320.76 ng/ml



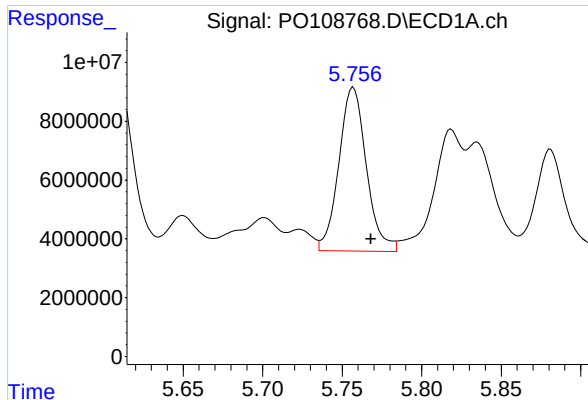
#26 AR-1254-1

R.T.: 5.609 min
Delta R.T.: -0.010 min
Response: 78456670
Conc: 152.75 ng/ml



#26 AR-1254-1

R.T.: 5.589 min
Delta R.T.: -0.013 min
Response: 45901974
Conc: 169.49 ng/ml



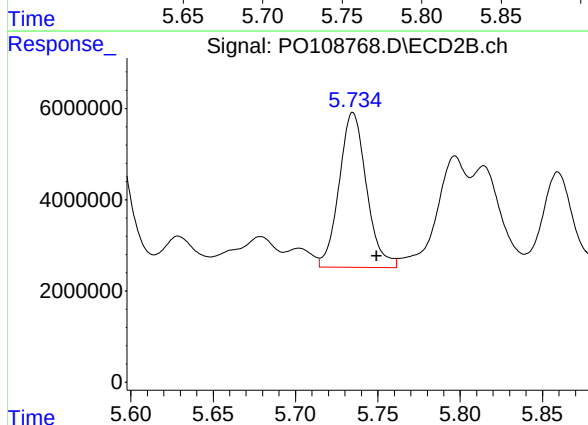
#27 AR-1254-2

R.T.: 5.757 min
Delta R.T.: -0.011 min
Response: 66871719
Conc: 146.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

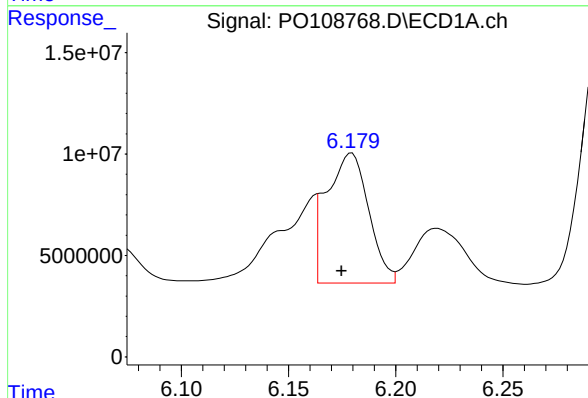
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



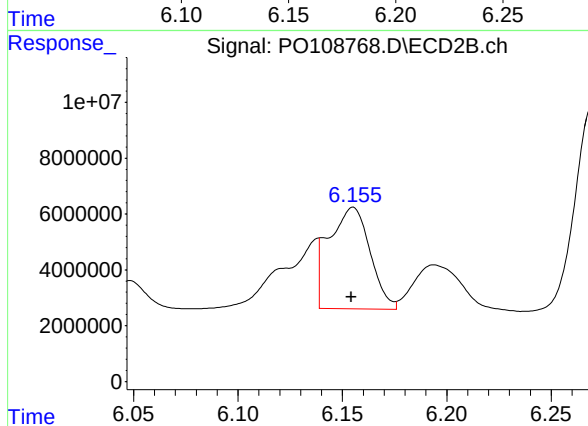
#27 AR-1254-2

R.T.: 5.735 min
Delta R.T.: -0.014 min
Response: 39255320
Conc: 163.55 ng/ml



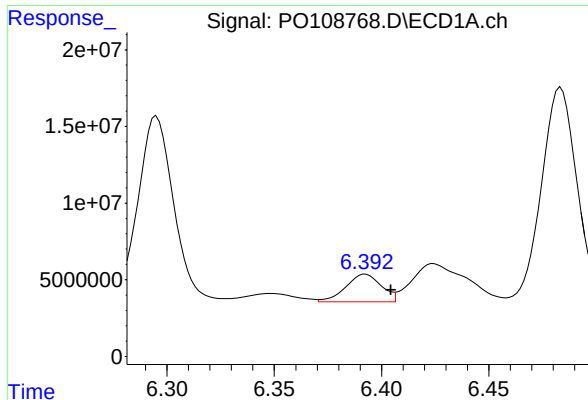
#28 AR-1254-3

R.T.: 6.179 min
Delta R.T.: 0.004 min
Response: 86582522
Conc: 120.23 ng/ml m



#28 AR-1254-3

R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 49540869
Conc: 131.93 ng/ml m



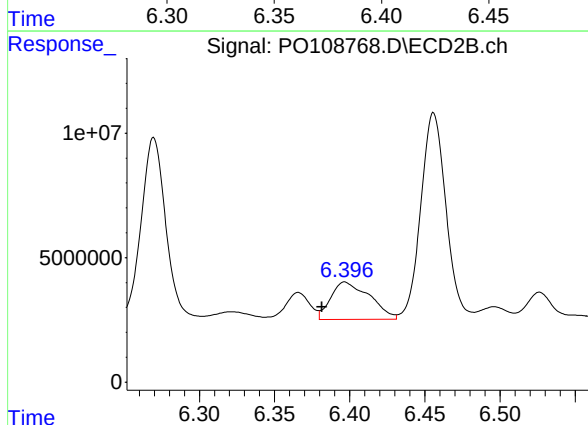
#29 AR-1254-4

R.T.: 6.393 min
Delta R.T.: -0.012 min
Response: 20748526
Conc: 47.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

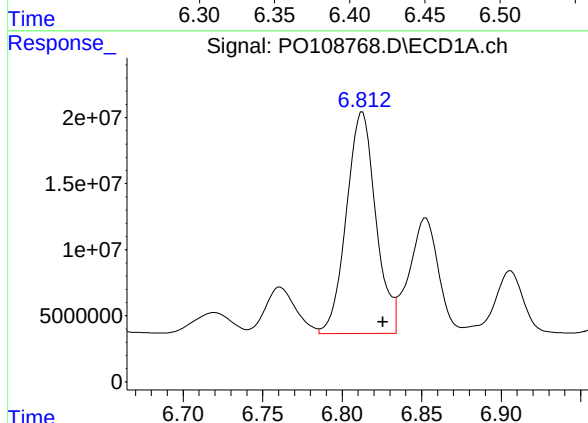
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



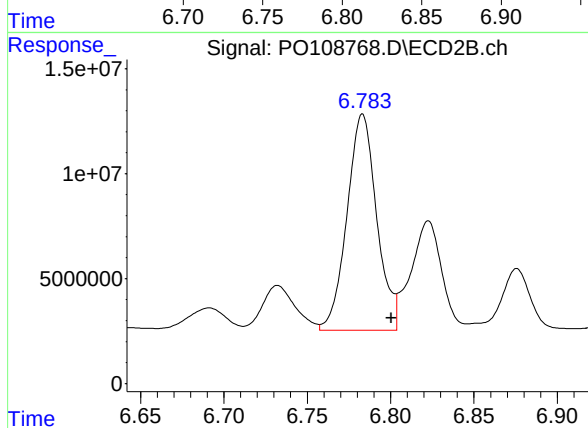
#29 AR-1254-4

R.T.: 6.397 min
Delta R.T.: 0.015 min
Response: 27048501
Conc: 124.26 ng/ml



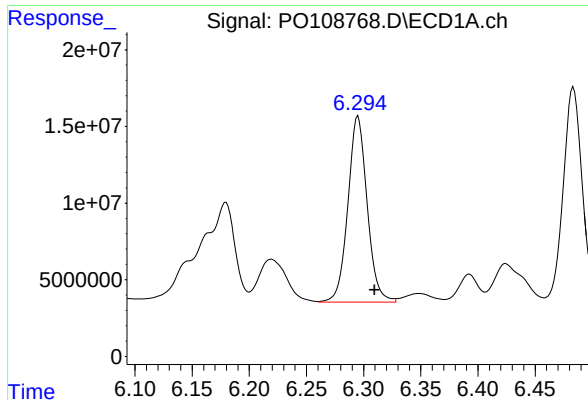
#30 AR-1254-5

R.T.: 6.813 min
Delta R.T.: -0.013 min
Response: 215814227
Conc: 339.80 ng/ml



#30 AR-1254-5

R.T.: 6.783 min
Delta R.T.: -0.017 min
Response: 127795197
Conc: 395.95 ng/ml



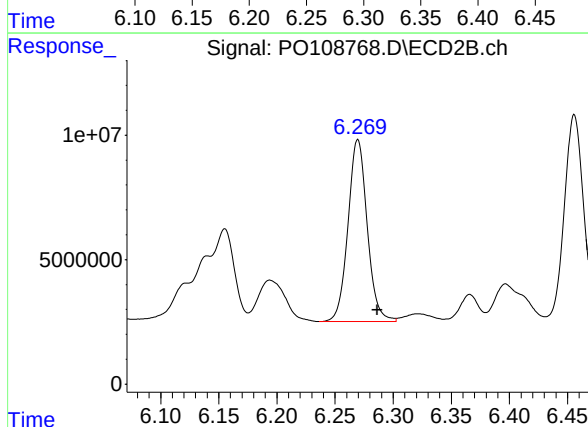
#31 AR-1260-1

R.T.: 6.295 min
Delta R.T.: -0.015 min
Response: 143208066
Conc: 313.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

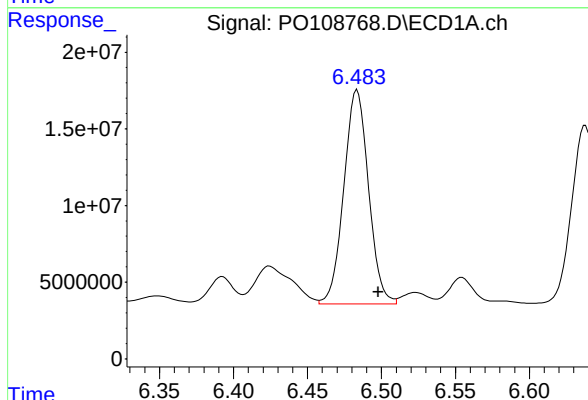
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



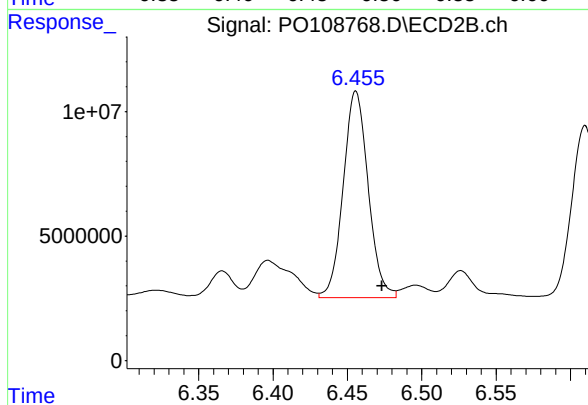
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.017 min
Response: 83772123
Conc: 357.95 ng/ml



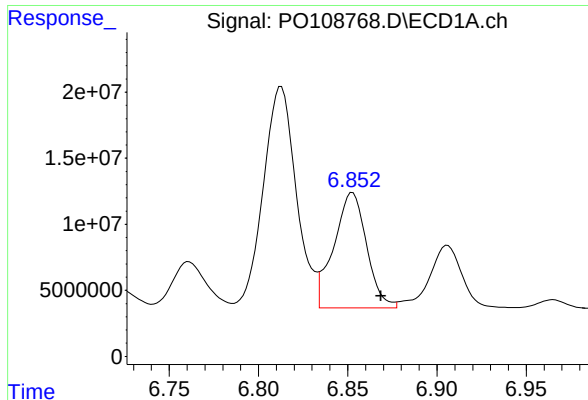
#32 AR-1260-2

R.T.: 6.484 min
Delta R.T.: -0.014 min
Response: 162118291
Conc: 291.73 ng/ml



#32 AR-1260-2

R.T.: 6.456 min
Delta R.T.: -0.018 min
Response: 97069129
Conc: 345.97 ng/ml



#33 AR-1260-3

R.T.: 6.853 min
Delta R.T.: -0.016 min
Response: 111781377
Conc: 241.08 ng/ml

Instrument :

ECD_O

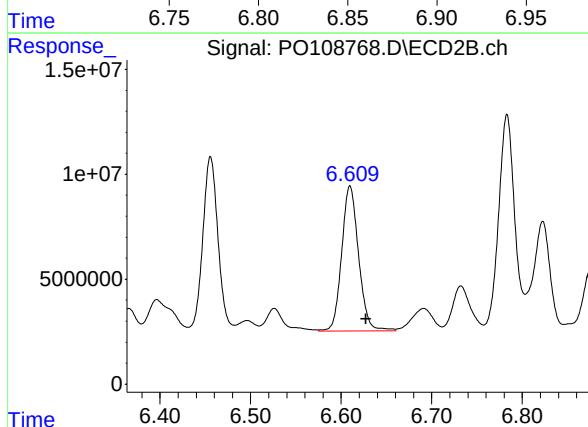
ClientSampleId :

AU-06-122024MSD

Manual Integrations

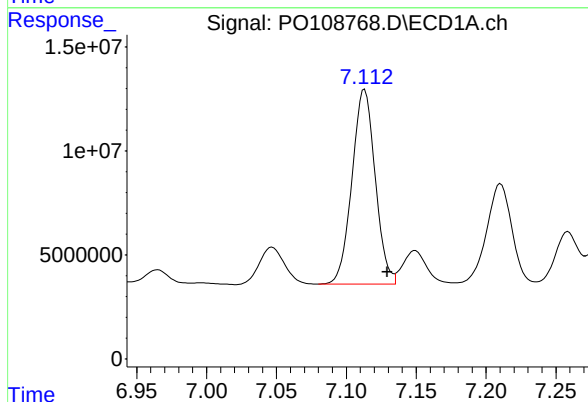
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



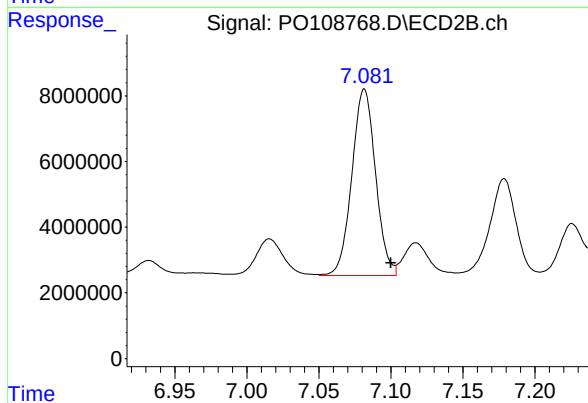
#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.018 min
Response: 89688226
Conc: 340.28 ng/ml



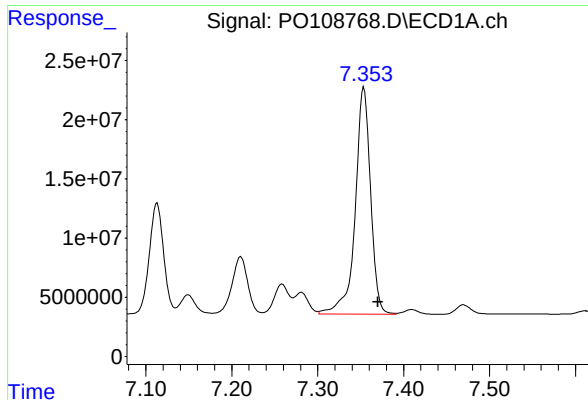
#34 AR-1260-4

R.T.: 7.113 min
Delta R.T.: -0.016 min
Response: 108495969
Conc: 255.08 ng/ml



#34 AR-1260-4

R.T.: 7.081 min
Delta R.T.: -0.019 min
Response: 65021372
Conc: 305.62 ng/ml m



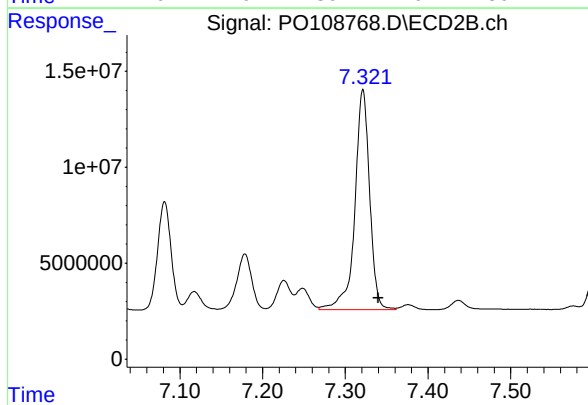
#35 AR-1260-5

R.T.: 7.354 min
Delta R.T.: -0.016 min
Response: 238741416
Conc: 245.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :Ankita Jodhani 12/27/2024



#35 AR-1260-5

R.T.: 7.321 min
Delta R.T.: -0.019 min
Response: 142944931
Conc: 295.38 ng/ml

Manual Integration Report

Sequence:	PO120624	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO108366.D	AR-1016-1 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1016-2 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1016-3 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1016-4 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-1	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-1 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-2 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-3	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1242ICC050	PO108373.D	AR-1242-5	yogesh	12/9/2024 10:59:45 AM	Ankita	12/9/2024 11:02:58	Peak Integrated by Software
AR1248ICC050	PO108378.D	AR-1248-3	yogesh	12/9/2024 10:59:47 AM	Ankita	12/9/2024 11:02:59	Peak Integrated by Software
AR1248ICC050	PO108378.D	AR-1248-4	yogesh	12/9/2024 10:59:47 AM	Ankita	12/9/2024 11:02:59	Peak Integrated by Software
AR1248ICC050	PO108378.D	AR-1248-5	yogesh	12/9/2024 10:59:47 AM	Ankita	12/9/2024 11:02:59	Peak Integrated by Software

Manual Integration Report

Sequence:

PO120624

Instrument

ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO108383.D	AR-1254-1	yogesh	12/9/2024 10:59:49 AM	Ankita	12/9/2024 11:03:01	Peak Integrated by Software
AR1254ICC050	PO108383.D	AR-1254-2	yogesh	12/9/2024 10:59:49 AM	Ankita	12/9/2024 11:03:01	Peak Integrated by Software
AR1254ICC050	PO108383.D	AR-1254-3	yogesh	12/9/2024 10:59:49 AM	Ankita	12/9/2024 11:03:01	Peak Integrated by Software
AR1254ICC050	PO108383.D	AR-1254-4	yogesh	12/9/2024 10:59:49 AM	Ankita	12/9/2024 11:03:01	Peak Integrated by Software

Manual Integration Report

Sequence:	PO122624	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO108758.D	AR-1260-4 #2	yogesh	12/27/2024 7:58:23 AM	Ankita	12/27/2024 8:14:08	Peak Integrated by Software
AR1242CCC500	PO108759.D	AR-1242-2	yogesh	12/27/2024 7:58:25 AM	Ankita	12/27/2024 8:14:10	Peak Integrated by Software
AR1242CCC500	PO108759.D	AR-1242-3	yogesh	12/27/2024 7:58:25 AM	Ankita	12/27/2024 8:14:10	Peak Integrated by Software
AR1254CCC500	PO108761.D	AR-1254-3 #2	yogesh	12/27/2024 8:00:52 AM	Ankita	12/27/2024 8:14:12	Peak Integrated by Software
PB165843BS	PO108764.D	AR-1016-2	yogesh	12/27/2024 8:00:54 AM	Ankita	12/27/2024 8:14:18	Peak Integrated by Software
PB165843BS	PO108764.D	AR-1260-4 #2	yogesh	12/27/2024 8:00:54 AM	Ankita	12/27/2024 8:14:18	Peak Integrated by Software
PB165843BS	PO108764.D	Decachlorobiphenyl	yogesh	12/27/2024 8:00:54 AM	Ankita	12/27/2024 8:14:18	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1016-1	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1016-1 #2	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1016-2	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1016-2 #2	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1016-3	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1016-4	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software

Manual Integration Report

Sequence:	PO122624	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P5318-01MS	PO108767.D	AR-1254-1 #2	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1254-2 #2	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1254-3	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1254-3 #2	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MS	PO108767.D	AR-1260-4 #2	yogesh	12/27/2024 8:01:00 AM	Ankita	12/27/2024 8:14:24	Peak Integrated by Software
P5318-01MSD	PO108768.D	AR-1016-1	yogesh	12/27/2024 8:01:02 AM	Ankita	12/27/2024 8:14:26	Peak Integrated by Software
P5318-01MSD	PO108768.D	AR-1016-1 #2	yogesh	12/27/2024 8:01:02 AM	Ankita	12/27/2024 8:14:26	Peak Integrated by Software
P5318-01MSD	PO108768.D	AR-1016-2	yogesh	12/27/2024 8:01:02 AM	Ankita	12/27/2024 8:14:26	Peak Integrated by Software
P5318-01MSD	PO108768.D	AR-1016-2 #2	yogesh	12/27/2024 8:01:02 AM	Ankita	12/27/2024 8:14:26	Peak Integrated by Software
P5318-01MSD	PO108768.D	AR-1016-3	yogesh	12/27/2024 8:01:02 AM	Ankita	12/27/2024 8:14:26	Peak Integrated by Software
P5318-01MSD	PO108768.D	AR-1016-4	yogesh	12/27/2024 8:01:02 AM	Ankita	12/27/2024 8:14:26	Peak Integrated by Software
P5318-01MSD	PO108768.D	AR-1254-3	yogesh	12/27/2024 8:01:02 AM	Ankita	12/27/2024 8:14:26	Peak Integrated by Software
P5318-01MSD	PO108768.D	AR-1254-3 #2	yogesh	12/27/2024 8:01:02 AM	Ankita	12/27/2024 8:14:26	Peak Integrated by Software

Manual Integration Report

Sequence:	PO122624	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P5318-01MSD	PO108768.D	AR-1260-4 #2	yogesh	12/27/2024 8:01:02 AM	Ankita	12/27/2024 8:14:26	Peak Integrated by Software
P5380-01	PO108769.D	Decachlorobiphenyl #2	yogesh	12/27/2024 8:01:04 AM	Ankita	12/27/2024 8:14:28	Peak Integrated by Software
AR1660CCC50 0	PO108773.D	AR-1016-1	yogesh	12/27/2024 8:01:10 AM	Ankita	12/27/2024 8:14:35	Peak Integrated by Software
AR1660CCC50 0	PO108773.D	AR-1016-1 #2	yogesh	12/27/2024 8:01:10 AM	Ankita	12/27/2024 8:14:35	Peak Integrated by Software
AR1660CCC50 0	PO108773.D	AR-1016-3	yogesh	12/27/2024 8:01:10 AM	Ankita	12/27/2024 8:14:35	Peak Integrated by Software
AR1242CCC50 0	PO108774.D	AR-1242-1	yogesh	12/27/2024 10:18:03 AM	Ankita	12/27/2024 10:18:33	Peak Integrated by Software
AR1242CCC50 0	PO108774.D	AR-1242-1 #2	yogesh	12/27/2024 10:18:03 AM	Ankita	12/27/2024 10:18:33	Peak Integrated by Software
AR1242CCC50 0	PO108774.D	AR-1242-2	yogesh	12/27/2024 10:18:03 AM	Ankita	12/27/2024 10:18:33	Peak Integrated by Software
AR1242CCC50 0	PO108774.D	AR-1242-2 #2	yogesh	12/27/2024 10:18:03 AM	Ankita	12/27/2024 10:18:33	Peak Integrated by Software
AR1242CCC50 0	PO108774.D	AR-1242-3	yogesh	12/27/2024 10:18:03 AM	Ankita	12/27/2024 10:18:33	Peak Integrated by Software
AR1242CCC50 0	PO108774.D	AR-1242-4	yogesh	12/27/2024 10:18:03 AM	Ankita	12/27/2024 10:18:33	Peak Integrated by Software
AR1248CCC50 0	PO108775.D	AR-1248-1 #2	yogesh	12/27/2024 8:01:13 AM	Ankita	12/27/2024 8:14:38	Peak Integrated by Software
AR1254CCC50 0	PO108776.D	AR-1254-3 #2	yogesh	12/27/2024 8:01:14 AM	Ankita	12/27/2024 8:14:40	Peak Integrated by Software

Manual Integration Report

Sequence:	PO122624	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO108776.D	AR-1254-5	yogesh	12/27/2024 8:01:14 AM	Ankita	12/27/2024 8:14:40	Peak Integrated by Software
AR1660CCC500	PO108782.D	AR-1016-1	yogesh	12/27/2024 8:01:19 AM	Ankita	12/27/2024 8:14:48	Peak Integrated by Software
AR1660CCC500	PO108782.D	AR-1016-1 #2	yogesh	12/27/2024 8:01:19 AM	Ankita	12/27/2024 8:14:48	Peak Integrated by Software
AR1660CCC500	PO108782.D	AR-1260-4 #2	yogesh	12/27/2024 8:01:19 AM	Ankita	12/27/2024 8:14:48	Peak Integrated by Software
AR1242CCC500	PO108783.D	AR-1242-1	yogesh	12/27/2024 8:01:21 AM	Ankita	12/27/2024 8:14:50	Peak Integrated by Software
AR1242CCC500	PO108783.D	AR-1242-1 #2	yogesh	12/27/2024 8:01:21 AM	Ankita	12/27/2024 8:14:50	Peak Integrated by Software
AR1242CCC500	PO108783.D	AR-1242-2 #2	yogesh	12/27/2024 8:01:21 AM	Ankita	12/27/2024 8:14:50	Peak Integrated by Software
AR1242CCC500	PO108783.D	AR-1242-3	yogesh	12/27/2024 8:01:21 AM	Ankita	12/27/2024 8:14:50	Peak Integrated by Software
AR1248CCC500	PO108784.D	AR-1248-1 #2	yogesh	12/27/2024 8:01:23 AM	Ankita	12/27/2024 8:14:52	Peak Integrated by Software
AR1254CCC500	PO108785.D	AR-1254-3 #2	yogesh	12/27/2024 8:01:25 AM	Ankita	12/27/2024 8:14:54	Peak Integrated by Software
AR1254CCC500	PO108785.D	AR-1254-5	yogesh	12/27/2024 8:01:25 AM	Ankita	12/27/2024 8:14:54	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO120624

Review By	yogesh	Review On	12/9/2024 11:00:19 AM
Supervise By	Ankita	Supervise On	12/9/2024 11:03:08 AM
SubDirectory	PO120624	HP Acquire Method	HP Processing Method PO120624
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO108360.D	06 Dec 2024 13:43	YP/AJ	Ok
2	I.BLK	PO108361.D	06 Dec 2024 14:01	YP/AJ	Ok
3	AR1660ICC1000	PO108362.D	06 Dec 2024 14:19	YP/AJ	Ok
4	AR1660ICC750	PO108363.D	06 Dec 2024 14:38	YP/AJ	Ok
5	AR1660ICC500	PO108364.D	06 Dec 2024 14:56	YP/AJ	Ok
6	AR1660ICC250	PO108365.D	06 Dec 2024 15:14	YP/AJ	Ok
7	AR1660ICC050	PO108366.D	06 Dec 2024 15:33	YP/AJ	Ok,M
8	AR1221ICC500	PO108367.D	06 Dec 2024 15:51	YP/AJ	Ok
9	AR1232ICC500	PO108368.D	06 Dec 2024 16:09	YP/AJ	Ok
10	AR1242ICC1000	PO108369.D	06 Dec 2024 16:28	YP/AJ	Ok
11	AR1242ICC750	PO108370.D	06 Dec 2024 16:46	YP/AJ	Ok
12	AR1242ICC500	PO108371.D	06 Dec 2024 17:04	YP/AJ	Ok
13	AR1242ICC250	PO108372.D	06 Dec 2024 17:23	YP/AJ	Ok
14	AR1242ICC050	PO108373.D	06 Dec 2024 17:41	YP/AJ	Ok,M
15	AR1248ICC1000	PO108374.D	06 Dec 2024 17:59	YP/AJ	Ok
16	AR1248ICC750	PO108375.D	06 Dec 2024 18:18	YP/AJ	Ok
17	AR1248ICC500	PO108376.D	06 Dec 2024 18:36	YP/AJ	Ok
18	AR1248ICC250	PO108377.D	06 Dec 2024 18:54	YP/AJ	Ok
19	AR1248ICC050	PO108378.D	06 Dec 2024 19:13	YP/AJ	Ok,M
20	AR1254ICC1000	PO108379.D	06 Dec 2024 19:31	YP/AJ	Ok
21	AR1254ICC750	PO108380.D	06 Dec 2024 19:49	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO120624

Review By	yogesh	Review On	12/9/2024 11:00:19 AM
Supervise By	Ankita	Supervise On	12/9/2024 11:03:08 AM
SubDirectory	PO120624	HP Acquire Method	HP Processing Method PO120624
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PO108381.D	06 Dec 2024 20:08	YP/AJ	Ok
23	AR1254ICC250	PO108382.D	06 Dec 2024 20:26	YP/AJ	Ok
24	AR1254ICC050	PO108383.D	06 Dec 2024 20:44	YP/AJ	Ok,M
25	AR1262ICC500	PO108384.D	06 Dec 2024 21:03	YP/AJ	Ok
26	AR1268ICC1000	PO108385.D	06 Dec 2024 21:21	YP/AJ	Ok
27	AR1268ICC750	PO108386.D	06 Dec 2024 21:39	YP/AJ	Ok
28	AR1268ICC500	PO108387.D	06 Dec 2024 21:58	YP/AJ	Ok
29	AR1268ICC250	PO108388.D	06 Dec 2024 22:16	YP/AJ	Ok
30	AR1268ICC050	PO108389.D	06 Dec 2024 22:34	YP/AJ	Ok
31	PO120624ICV500	PO108390.D	06 Dec 2024 22:53	YP/AJ	Ok
32	AR1242ICV500	PO108391.D	06 Dec 2024 23:11	YP/AJ	Ok
33	AR1248ICV500	PO108392.D	06 Dec 2024 23:29	YP/AJ	Ok
34	AR1254ICV500	PO108393.D	06 Dec 2024 23:48	YP/AJ	Ok
35	AR1268ICV500	PO108394.D	07 Dec 2024 00:06	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO122624

Review By	yogesh	Review On	12/26/2024 11:43:31 AM
Supervise By	Ankita	Supervise On	12/27/2024 8:15:18 AM
SubDirectory	PO122624	HP Acquire Method	HP Processing Method PO120624
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO108757.D	26 Dec 2024 09:13	YP/AJ	Ok
2	AR1660CCC500	PO108758.D	26 Dec 2024 09:31	YP/AJ	Ok,M
3	AR1242CCC500	PO108759.D	26 Dec 2024 09:49	YP/AJ	Ok,M
4	AR1248CCC500	PO108760.D	26 Dec 2024 10:08	YP/AJ	Ok
5	AR1254CCC500	PO108761.D	26 Dec 2024 10:26	YP/AJ	Ok,M
6	I.BLK	PO108762.D	26 Dec 2024 11:32	YP/AJ	Ok
7	PB165843BL	PO108763.D	26 Dec 2024 12:21	YP/AJ	Ok
8	PB165843BS	PO108764.D	26 Dec 2024 12:39	YP/AJ	Ok,M
9	P5383-01	PO108765.D	26 Dec 2024 12:57	YP/AJ	Ok,M
10	P5318-01	PO108766.D	26 Dec 2024 13:15	YP/AJ	Ok,M
11	P5318-01MS	PO108767.D	26 Dec 2024 13:34	YP/AJ	Ok,M
12	P5318-01MSD	PO108768.D	26 Dec 2024 13:52	YP/AJ	Ok,M
13	P5380-01	PO108769.D	26 Dec 2024 14:10	YP/AJ	Ok,M
14	P5382-01	PO108770.D	26 Dec 2024 14:29	YP/AJ	Ok,M
15	P5382-02	PO108771.D	26 Dec 2024 14:47	YP/AJ	Ok,M
16	P5382-03	PO108772.D	26 Dec 2024 15:05	YP/AJ	Ok,M
17	AR1660CCC500	PO108773.D	26 Dec 2024 16:10	YP/AJ	Ok,M
18	AR1242CCC500	PO108774.D	26 Dec 2024 16:29	YP/AJ	Ok,M
19	AR1248CCC500	PO108775.D	26 Dec 2024 16:47	YP/AJ	Ok,M
20	AR1254CCC500	PO108776.D	26 Dec 2024 17:05	YP/AJ	Ok,M
21	I.BLK	PO108777.D	26 Dec 2024 17:24	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO122624

Review By	yogesh	Review On	12/26/2024 11:43:31 AM
Supervise By	Ankita	Supervise On	12/27/2024 8:15:18 AM
SubDirectory	PO122624	HP Acquire Method	HP Processing Method PO120624
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB165855BL	PO108778.D	26 Dec 2024 17:42	YP/AJ	Ok
23	PB165855BS	PO108779.D	26 Dec 2024 18:00	YP/AJ	Ok,M
24	PB165855BSD	PO108780.D	26 Dec 2024 18:18	YP/AJ	Ok,M
25	P5377-02	PO108781.D	26 Dec 2024 18:37	YP/AJ	ReRun
26	AR1660CCC500	PO108782.D	26 Dec 2024 19:56	YP/AJ	Ok,M
27	AR1242CCC500	PO108783.D	26 Dec 2024 20:14	YP/AJ	Ok,M
28	AR1248CCC500	PO108784.D	26 Dec 2024 20:32	YP/AJ	Ok,M
29	AR1254CCC500	PO108785.D	26 Dec 2024 20:51	YP/AJ	Ok,M
30	I.BLK	PO108786.D	26 Dec 2024 21:09	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO120624

Review By	yogesh	Review On	12/9/2024 11:00:19 AM
Supervise By	Ankita	Supervise On	12/9/2024 11:03:08 AM
SubDirectory	PO120624	HP Acquire Method	HP Processing Method PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO108360.D	06 Dec 2024 13:43		YP/AJ	Ok
2	I.BLK	I.BLK	PO108361.D	06 Dec 2024 14:01		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO108362.D	06 Dec 2024 14:19		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO108363.D	06 Dec 2024 14:38		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO108364.D	06 Dec 2024 14:56		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO108365.D	06 Dec 2024 15:14		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO108366.D	06 Dec 2024 15:33		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO108367.D	06 Dec 2024 15:51		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO108368.D	06 Dec 2024 16:09		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO108369.D	06 Dec 2024 16:28		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO108370.D	06 Dec 2024 16:46		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO108371.D	06 Dec 2024 17:04		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO108372.D	06 Dec 2024 17:23		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO108373.D	06 Dec 2024 17:41		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO108374.D	06 Dec 2024 17:59		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO108375.D	06 Dec 2024 18:18		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO108376.D	06 Dec 2024 18:36		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO108377.D	06 Dec 2024 18:54		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO120624

Review By	yogesh	Review On	12/9/2024 11:00:19 AM
Supervise By	Ankita	Supervise On	12/9/2024 11:03:08 AM
SubDirectory	PO120624	HP Acquire Method	HP Processing Method PO120624
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PO108378.D	06 Dec 2024 19:13		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO108379.D	06 Dec 2024 19:31		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO108380.D	06 Dec 2024 19:49		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO108381.D	06 Dec 2024 20:08		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO108382.D	06 Dec 2024 20:26		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO108383.D	06 Dec 2024 20:44		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO108384.D	06 Dec 2024 21:03		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO108385.D	06 Dec 2024 21:21		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO108386.D	06 Dec 2024 21:39		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO108387.D	06 Dec 2024 21:58		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO108388.D	06 Dec 2024 22:16		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO108389.D	06 Dec 2024 22:34		YP/AJ	Ok
31	PO120624ICV500	ICVPO120624	PO108390.D	06 Dec 2024 22:53		YP/AJ	Ok
32	AR1242ICV500	ICVPO120624AR1242	PO108391.D	06 Dec 2024 23:11		YP/AJ	Ok
33	AR1248ICV500	ICVPO120624AR1248	PO108392.D	06 Dec 2024 23:29		YP/AJ	Ok
34	AR1254ICV500	ICVPO120624AR1254	PO108393.D	06 Dec 2024 23:48		YP/AJ	Ok
35	AR1268ICV500	ICVPO120624AR1268	PO108394.D	07 Dec 2024 00:06		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO122624

Review By	yogesh	Review On	12/26/2024 11:43:31 AM
Supervise By	Ankita	Supervise On	12/27/2024 8:15:18 AM
SubDirectory	PO122624	HP Acquire Method	HP Processing Method PO120624
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO108757.D	26 Dec 2024 09:13		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO108758.D	26 Dec 2024 09:31		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO108759.D	26 Dec 2024 09:49		YP/AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PO108760.D	26 Dec 2024 10:08		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO108761.D	26 Dec 2024 10:26		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO108762.D	26 Dec 2024 11:32		YP/AJ	Ok
7	PB165843BL	PB165843BL	PO108763.D	26 Dec 2024 12:21		YP/AJ	Ok
8	PB165843BS	PB165843BS	PO108764.D	26 Dec 2024 12:39		YP/AJ	Ok,M
9	P5383-01	OK-02-12232024	PO108765.D	26 Dec 2024 12:57		YP/AJ	Ok,M
10	P5318-01	AU-06-122024	PO108766.D	26 Dec 2024 13:15	AR1254 + AR1260 Hit	YP/AJ	Ok,M
11	P5318-01MS	AU-06-122024MS	PO108767.D	26 Dec 2024 13:34		YP/AJ	Ok,M
12	P5318-01MSD	AU-06-122024MSD	PO108768.D	26 Dec 2024 13:52		YP/AJ	Ok,M
13	P5380-01	TAPIAL3-IDW-SOIL-12	PO108769.D	26 Dec 2024 14:10		YP/AJ	Ok,M
14	P5382-01	COMP-1	PO108770.D	26 Dec 2024 14:29		YP/AJ	Ok,M
15	P5382-02	COMP-2	PO108771.D	26 Dec 2024 14:47		YP/AJ	Ok,M
16	P5382-03	COMP-3	PO108772.D	26 Dec 2024 15:05		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO108773.D	26 Dec 2024 16:10		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO108774.D	26 Dec 2024 16:29		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO122624

Review By	yogesh	Review On	12/26/2024 11:43:31 AM
Supervise By	Ankita	Supervise On	12/27/2024 8:15:18 AM
SubDirectory	PO122624	HP Acquire Method	HP Processing Method PO120624
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PO108775.D	26 Dec 2024 16:47		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO108776.D	26 Dec 2024 17:05		YP/AJ	Ok,M
21	I.BLK	I.BLK	PO108777.D	26 Dec 2024 17:24		YP/AJ	Ok
22	PB165855BL	PB165855BL	PO108778.D	26 Dec 2024 17:42		YP/AJ	Ok
23	PB165855BS	PB165855BS	PO108779.D	26 Dec 2024 18:00		YP/AJ	Ok,M
24	PB165855BSD	PB165855BSD	PO108780.D	26 Dec 2024 18:18		YP/AJ	Ok,M
25	P5377-02	GAS-TRE-1114	PO108781.D	26 Dec 2024 18:37	DCB and TCMX low in both column	YP/AJ	ReRun
26	AR1660CCC500	AR1660CCC500	PO108782.D	26 Dec 2024 19:56		YP/AJ	Ok,M
27	AR1242CCC500	AR1242CCC500	PO108783.D	26 Dec 2024 20:14		YP/AJ	Ok,M
28	AR1248CCC500	AR1248CCC500	PO108784.D	26 Dec 2024 20:32		YP/AJ	Ok,M
29	AR1254CCC500	AR1254CCC500	PO108785.D	26 Dec 2024 20:51		YP/AJ	Ok,M
30	I.BLK	I.BLK	PO108786.D	26 Dec 2024 21:09		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/27/2024

OVENTEMP IN Celsius(°C): 106
Time IN: 17:15
In Date: 12/26/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 12/27/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134080

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
P5380-01	TAPIAL3-IDW-SOIL-122024-T1	1	1.15	8.48	9.63	8.47	86.3	
P5382-01	COMP-1	2	1.19	8.60	9.79	8.31	82.8	
P5382-02	COMP-2	3	1.15	8.82	9.97	8.43	82.5	
P5382-03	COMP-3	4	1.16	8.76	9.92	8.41	82.8	
P5382-04	SB-1	5	1.15	8.80	9.95	8.47	83.2	
P5382-05	SB-2	6	1.18	8.75	9.93	8.4	82.5	
P5382-06	SB-3	7	1.17	8.80	9.97	8.27	80.7	
P5382-07	SB-4	8	1.19	8.53	9.72	8.02	80.1	
P5382-08	SB-5	9	1.15	8.80	9.95	8.73	86.1	
P5382-09	SB-6	10	1.19	8.50	9.69	7.75	77.2	
P5382-10	SB-7	11	1.14	8.69	9.83	7.86	77.3	
P5382-11	SB-8	12	1.13	8.82	9.95	8.55	84.1	
P5382-12	SB-9	13	1.11	8.73	9.84	8.29	82.2	
P5382-13	SB-10	14	1.19	8.78	9.97	8.16	79.4	
P5382-14	SB-11	15	1.19	8.40	9.59	7.98	80.8	
P5382-15	SB-12	16	1.19	8.51	9.7	8.28	83.3	
P5383-01	OK-02-12232024	17	1.15	8.82	9.97	9.3	92.4	
P5383-02	OK-02-12232024-E2	18	1.13	8.81	9.94	9.54	95.5	
P5384-01	ORA-2066	19	1.00	1.00	2.00	2.00	100.0	wipe sample
P5384-02	ORA-2067	20	1.00	1.00	2.00	2.00	100.0	wipe sample
P5386-01	MOO-24-00398	21	1.15	8.44	9.59	8.99	92.9	
P5386-03	MOO-24-00395-96	22	1.00	1.00	2.00	2.00	100.0	debris
P5387-01	TR-05-122624	23	1.13	8.66	9.79	8.86	89.3	
P5387-02	TR-05-122624-E2	24	1.14	8.80	9.94	8.91	88.3	

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

WORKLIST(Hardcopy Internal Chain)

VB 134080

WorkList Name : %1-122624

WorkList ID : 186590

Department : Wet-Chemistry

Date : 12-26-2024 07:48:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5380-01	TAPIAL3-IDW-SOIL-122024-T1	Solid	Percent Solids	Cool 4 deg C	WEST04	N31	12/20/2024	Chemtech -SO
P5382-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-04	SB-1	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-05	SB-2	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-06	SB-3	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-07	SB-4	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-08	SB-5	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-09	SB-6	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-10	SB-7	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-11	SB-8	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-12	SB-9	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-13	SB-10	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-14	SB-11	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5382-15	SB-12	Solid	Percent Solids	Cool 4 deg C	POWE02	N31	12/20/2024	Chemtech -SO
P5383-01	OK-02-12232024	Solid	Percent Solids	Cool 4 deg C	PSEG05	K31	12/23/2024	Chemtech -SO
P5383-02	OK-02-12232024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K31	12/23/2024	Chemtech -SO
P5384-01	ORA-2066	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	12/26/2024	Chemtech -SO
P5384-02	ORA-2067	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	12/26/2024	Chemtech -SO
P5386-01	MOO-24-00398	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	12/26/2024	Chemtech -SO

Date/Time 12/26/24 16:00

Raw Sample Received by: JB WOC

Raw Sample Relinquished by: JYLSM

P5380-PCB

Date/Time 12/26/24 17:20

Raw Sample Received by: JYLSM

Raw Sample Relinquished by: JB WOC

WORKLIST(Hardcopy Internal Chain)

UR 134080

WorkList Name : %1-122624

WorkList ID : 186590

Department : Wet-Chemistry

Date : 12-26-2024 07:48:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5386-03	MOO-24-00395-96	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	12/26/2024	Chemtech -SO
P5387-01	TR-05-122624	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	12/26/2024	Chemtech -SO
P5387-02	TR-05-122624-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	12/26/2024	Chemtech -SO

Date/Time 12/26/24
 Raw Sample Received by: JD Cull
 Raw Sample Relinquished by: JD Cull

P5380-PCB

Date/Time 12/26/24 17120
 Raw Sample Received by: JD Cull
 Raw Sample Relinquished by: JD Cull
 341 of 619

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 12/26/2024

Extraction Start Time : 08:30

Extraction End Date : 12/26/2024

Extraction End Time : 11:30

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23913
Surrogate	1.0ML	200 PPB	PP23985
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	EP2561
Baked Na2SO4	N/A	EP2573
Sand	N/A	E2865
Hexane	N/A	E3847
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/26/24	RP (Ext. Lab)	Y.P. Pestil 1/42
11:35	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 12/26/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165843BL	ABLK843	PCB	30.02	N/A	ritesh	Evelyn	10			U7-1
PB165843BS	ALCS843	PCB	30.01	N/A	ritesh	Evelyn	10			2
P5318-01	AU-06-122024	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
P5318-01MS	AU-06-122024MS	PCB	30.02	N/A	ritesh	Evelyn	10	E		4
P5318-01MS	AU-06-122024MSD	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
P5380-01	TAPIAL3-IDW-SOIL-1220 24-T1	PCB	30.06	N/A	ritesh	Evelyn	10	B		6
P5382-01	COMP-1	PCB Group1	30.08	N/A	ritesh	Evelyn	10	D		U6-1
P5382-02	COMP-2	PCB Group1	30.03	N/A	ritesh	Evelyn	10	D		2
P5382-03	COMP-3	PCB Group1	30.01	N/A	ritesh	Evelyn	10	D		3
P5383-01	OK-02-12232024	PCB	30.05	N/A	ritesh	Evelyn	10	E		4

* Extracts relinquished on the same date as received.



165843
8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p5318pcb

WorkList ID : 186610

Department : Extraction

Date : 12-26-2024 08:26:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5318-01	AU-06-122024	Solid	PCB	Cool 4 deg C	PSEG05	N31	12/20/2024	8082A
P5380-01	TAPIAL3-IDW-SOIL-122024-T1	Solid	PCB	Cool 4 deg C	WEST04	N31	12/20/2024	8082A
P5382-01	COMP-1	Solid	PCB Group1	Cool 4 deg C	POWE02	N31	12/20/2024	8082A
P5382-02	COMP-2	Solid	PCB Group1	Cool 4 deg C	POWE02	N31	12/20/2024	8082A
P5382-03	COMP-3	Solid	PCB Group1	Cool 4 deg C	POWE02	N31	12/20/2024	8082A
P5383-01	OK-02-12232024	Solid	PCB	Cool 4 deg C	PSEG05	K31	12/23/2024	8082A

Date/Time 12/26/24 8:28

Raw Sample Received by: RJ (Ext Log)

Raw Sample Relinquished by: JD (Sm)

P5380-PCB

Date/Time 12/26/24 9:00

Raw Sample Received by: JD (Sm)

Raw Sample Relinquished by: RJ (Ext Log)

Prep Standard - Chemical Standard Summary

Order ID : P5380

Test : PCB

Prepbatch ID : PB165843,

Sequence ID/Qc Batch ID: PO122624,

Standard ID :

EP2561,EP2565,EP2573,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23913,PP23946,PP23947,PP23985,

Chemical ID :

E2865,E3551,E3804,E3805,E3822,E3825,E3826,E3827,E3847,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13104,P13109,P13350,P13352,P13372,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2561	11/14/2024	05/08/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/14/2024

FROM 8000.00000ml of E3826 + 8000.00000ml of E3827 = 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>
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2573	12/16/2024	06/16/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 12/16/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
202	AR1660 1000/100 ppb working solution 1st source	PP23735	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
203	AR1660 750 PPB STD	PP23736	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23735 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
204	AR1660 500 PPB STD	PP23737	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
205	AR1660 250 PPB STD	PP23738	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23735 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
206	AR1660 50 PPB STD	PP23739	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23737 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
213	AR1221 1000 PPB WORKING SOLUTION	PP23740	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1079	AR1221 750 PPB STD	PP23741	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
222	AR1221 500 PPB STD	PP23742	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23740 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1080	AR1221 250 PPB STD	PP23743	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1081	AR1221 50 PPB STD	PP23744	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23742 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
214	AR1232 1000 PPB WORKING SOLUTION	PP23745	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1063	AR1232 750 PPB STD	PP23747	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23745 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
223	AR1232 500 PPB STD	PP23748	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1064	AR1232 250 PPB STD	PP23749	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23745 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1065	AR1232 50 PPB STD	PP23750	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23748 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
215	AR1242 1000 PPB WORKING STD	PP23751	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1067	AR1242 750 PPB STD	PP23752	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
224	AR1242 500 PPB STD	PP23753	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23751 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1068	AR1242 250 PPB STD	PP23754	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1069	AR1242 50 PPB STD	PP23755	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23753 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
216	AR1248 1000 PPB WORKING STD	PP23756	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1075	AR1248 750 PPB STD	PP23757	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23756 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
225	AR1248 500 PPB STD	PP23758	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1076	AR1248 250 PPB STD	PP23759	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23756 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1077	AR1248 50 PPB STD	PP23760	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23758 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
217	AR1254 1000 PPB WORKING STD	PP23761	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1071	AR1254 750 PPB STD	PP23762	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
226	AR1254 500 PPB STD	PP23763	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23761 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1072	AR1254 250 PPB STD	PP23764	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1073	AR1254 50 PPB STD	PP23765	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23763 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1529	AR1262 1000 PPB Working Solution	PP23766	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3753	AR1262 750 PPB STD	PP23767	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23766 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1530	AR1262 500 PPB STD	PP23768	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3754	AR1262 250 PPB STD	PP23769	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23766 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3755	AR1262 50 PPB STD	PP23770	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23768 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1532	AR1268 1000 PPB Working Solution	PP23771	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3820	AR1268 750 PPB STD	PP23772	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1533	AR1268 500 PPB STD	PP23773	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23771 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3821	AR1268 250 PPB STD	PP23774	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3822	AR1268 50 PPB STD	PP23775	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.90000ml of E3805 + 0.10000ml of PP23773 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	PP23776	10/03/2024	04/01/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
405	AR1660 1000/100 PPB ICV STD	PP23777	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
406	AR1660 500 PPB ICV	PP23778	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23777 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP23779	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3790	AR1221 500 PPB ICV(AGILENT)	PP23780	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23779 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP23781	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP23782	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1888	AR1232 500 PPB ICV	PP23783	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1891	AR1242 500 PPB ICV	PP23784	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP23785	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1892	AR1248 500 PPB ICV	PP23786	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP23787	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1894	AR1254 500 PPB ICV	PP23788	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23787 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3757	AR1262 1000 PPB Working Solution second source	PP23789	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3758	AR1262 500 PPB STD ICV	PP23790	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3609	20 PPM DRO SPIKE SOLUTION (RESTEK)	PP23913	10/25/2024	04/23/2025	Yogesh Patel	None	None	Ankita Jodhani
								10/25/2024

FROM 1.00000ml of P13104 + 1.00000ml of P13109 + 48.00000ml of E3822 = Final Quantity: 50.000 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>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP23946	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 11/13/2024

FROM 1.00000ml of P11521 + 98.50000ml of E3825 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3823	AR1268 500 PPB STD ICV	PP23947	11/07/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 11/13/2024

FROM 0.50000ml of E3825 + 0.50000ml of PP23946 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP23985	11/15/2024	05/08/2025	Ankita Jodhani	None	None	Yogesh Patel
FROM 1.00000ml of P13352 + 999.00000ml of E3827 = Final Quantity: 1000.000 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	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24I2662006	04/23/2025	10/24/2024 / Rajesh	10/24/2024 / Rajesh	E3822

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	11/06/2025	11/06/2024 / Rajesh	11/01/2024 / Rajesh	E3825

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)	24G1962003	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/08/2025	11/08/2024 / Rajesh	11/07/2024 / Rajesh	E3827

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0163157	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Abdul	P10483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0167722	04/03/2025	10/03/2024 / Ankita	03/19/2021 / Ankita	P10500

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	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	04/03/2025	10/03/2024 / Ankita	02/21/2022 / Ankita	P11512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	05/07/2025	11/07/2024 / Ankita	02/21/2022 / Ankita	P11521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0175456	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0173309	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11587

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0175403	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11590

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	04/03/2025	10/03/2024 / Ankita	03/18/2022 / Abdul	P11597

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	91867 / Aroclor 1232 100 ug/mL	020823	04/03/2025	10/03/2024 / Ankita	08/07/2023 / Ankita	P12698

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	04/03/2025	10/03/2024 / Ankita	12/07/2023 / Ankita	P12934

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Aroclor 1254	121823	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12957

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc	90165 / Aroclor 1262	112322	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P13033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0204859	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0204859	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13109

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	05/15/2025	11/15/2024 / Ankita	04/22/2024 / Abdul	P13352

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006783205	04/03/2025	10/03/2024 / Ankita	05/02/2024 / Ankita	P13372

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

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

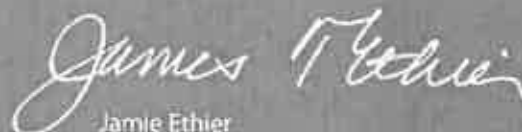
Certificate of Analysis

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

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

avantor™



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™



Material No.: 9266-A4
Batch No.: 24I2662006
Manufactured Date: 2024-08-29
Expiration Date: 2025-11-28
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	$< 5 \text{ ppm}$
Water (by KF, coulometric)	$\leq 0.02 \%$	$< 0.01 \%$

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

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

E 3822

Jamie Croak
Director Quality Operations, Bioscience Production

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

£3825

J. Croak
Jamie Croak
Director Quality Operations, Bioscience Production

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3826

Rec'd by RP on 11/7/24

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



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

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

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

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

E 3827

Recd. by RS on ~~11/8/24~~ 11/7/24
RS
11/7

Jamie Croak
Director Quality Operations, Bioscience Production

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

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

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32039 **Lot No.:** A0163157

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : November 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1016 CAS # 12674-11-2 (Lot 04) Purity ----%	1,007.0 µg/mL	+/- 5.8683 µg/mL Gravimetric +/- 31.9082 µg/mL Unstressed +/- 41.6868 µg/mL Stressed
2	Aroclor 1260 CAS # 11096-82-5 (Lot 07) Purity ----%	1,008.0 µg/mL	+/- 5.8741 µg/mL Gravimetric +/- 31.9399 µg/mL Unstressed +/- 41.7282 µg/mL Stressed

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

P 10476
↓
P 10480
AR
02/19/21

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

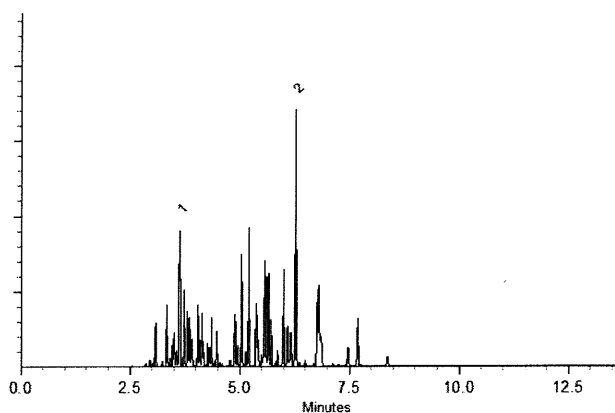
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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


Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020

Balance: B442140311


Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32409 Lot No.: A0167722
Description : Aroclor® 1262 Standard
Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : April 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1262	1,004.0 µg/mL	+/- 5.9635 µg/mL Gravimetric
	CAS # 37324-23-5 (Lot 10849100)		+/- 31.8340 µg/mL Unstressed
	Purity ----%		+/- 41.5787 µg/mL Stressed

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

P10496

↓

P10500

AJ

09/19/21

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

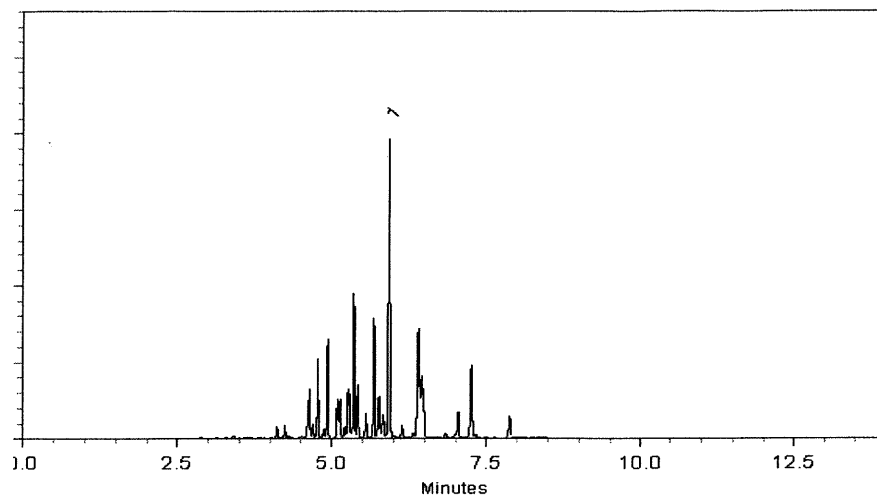
Carrier Gas:
helium-constant pressure 20 psi.

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

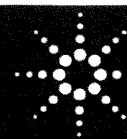
Balance: B707717271

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

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
↓
P11507

AJ
02/21/22

Page: 1 of 2

CSD-QA-015.1

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

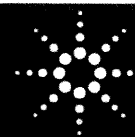
www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1248 Standard

Lot Number: 0006626997

Product Number: PP-342-1

Lot Issue Date: 17-Aug-2021

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 30-Sep-2025

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
Aroclor 1248	100.3	± 0.5 µg/mL		012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Page: 1 of 2

CSD-QA-015.1

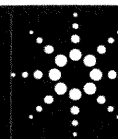
P11508

↓
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
↓
P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

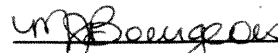
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32007 **Lot No.:** A0175456
Description : Aroclor® 1221 Standard
Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : November 30, 2027 **Storage:** 25°C nominal
Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1221	1,002.0 µg/mL	+/- 5.9516 µg/mL Gravimetric
	CAS # 11104-28-2 (Lot 10210500)		+/- 31.7706 µg/mL Unstressed
	Purity ----%		+/- 41.4958 µg/mL Stressed

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

P 11578
↓
P 11582 / (S)

AR
04/30/22

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

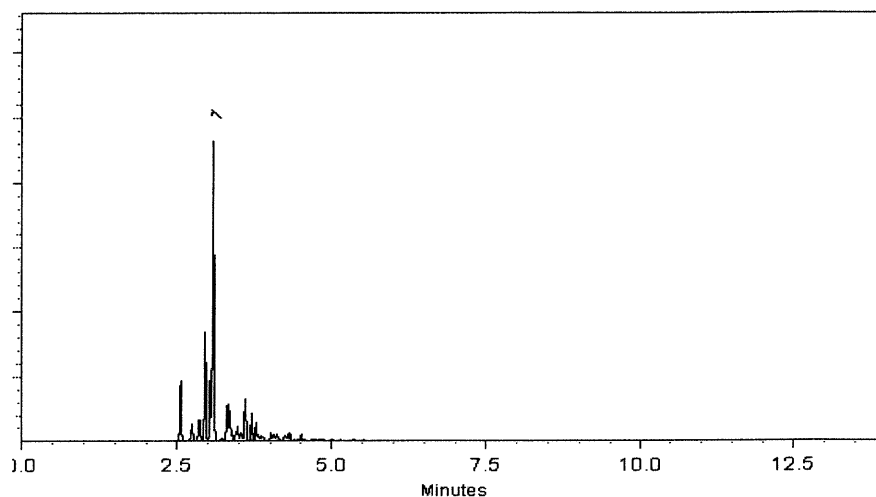
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 Balance: B442140311

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

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

P11578
↓
P11582 / (S)

AR
04/30/22



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. : 32008 **Lot No.:** A0173309

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : September 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1232	1,001.0 µg/mL	+/- 5.9456 µg/mL Gravimetric
	CAS # 11141-16-5 (Lot 15665-01)		+/- 31.7389 µg/mL Unstressed
	Purity ----%		+/- 41.4544 µg/mL Stressed

Solvent: Hexane

CAS # 110-54-3

Purity 99%

P11583
↓
P11587 / (S)

AR
04/30/22

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

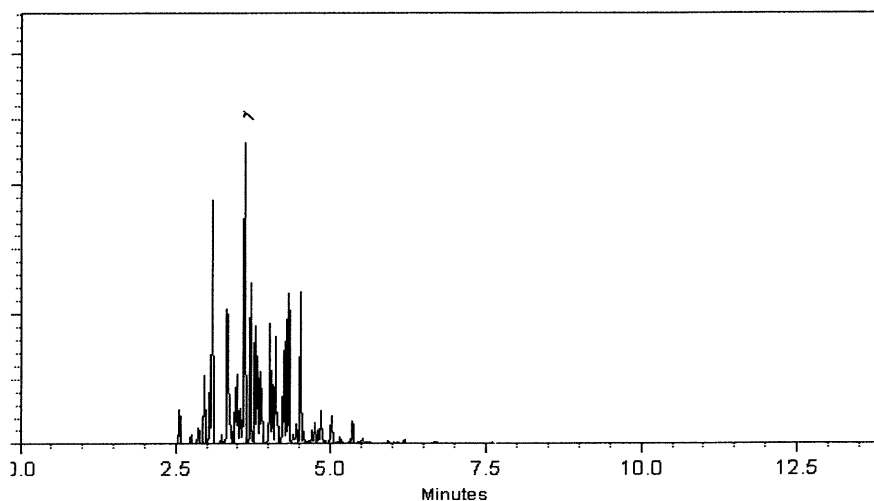
Carrier Gas:
helium-constant pressure 20 psi.

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

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 13-Jun-2021

Balance: B442140311

Alexis Shelow
Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

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

P11583
↓
P11587 / (5)

AR
04/30/22



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. : 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:

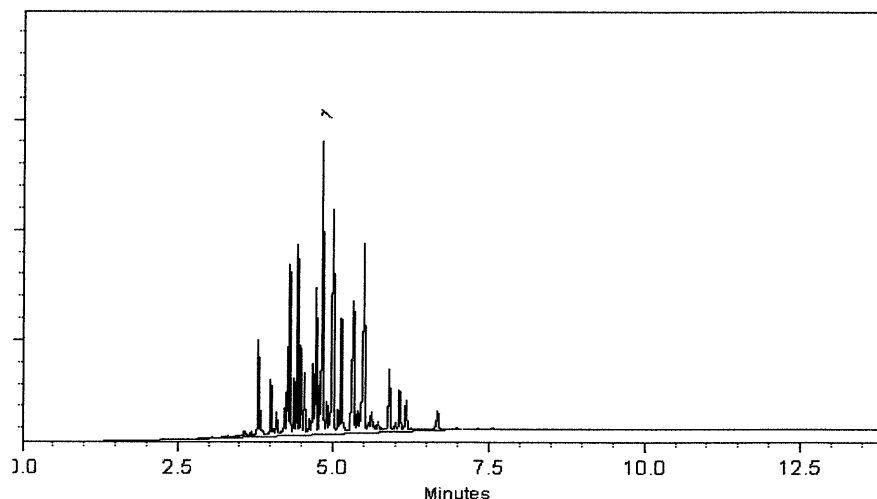
250°C

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	+/- 5.9480 µg/mL +/- 31.7516 µg/mL +/- 41.4710 µg/mL
	(Lot 10947000)		Gravimetric Unstressed Stressed

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

P 11593
↓
P 11597
⑤

WJR
04/30/2022

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

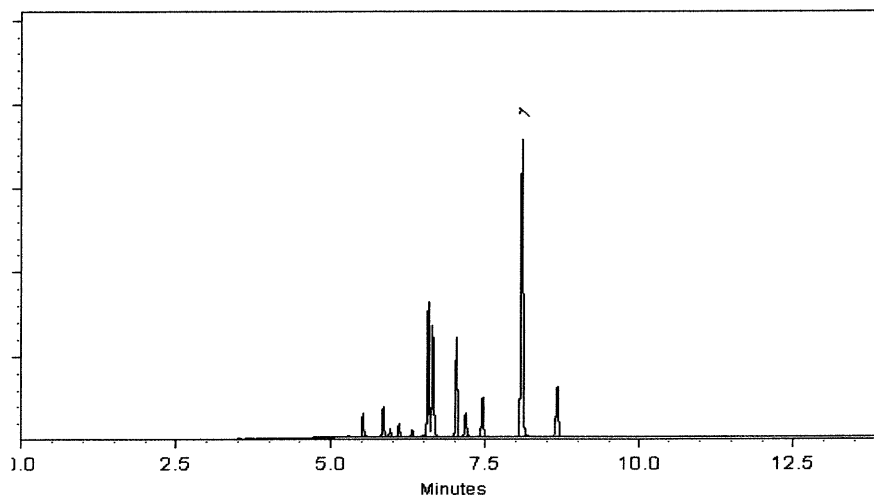
Carrier Gas:
helium-constant pressure 20 psi.

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: **91867**
 Lot Number: **020823**
 Description: **WP 037 - Aroclor 1232**
PCB Technical Mixture
 Expiration Date: **020833**
 Recommended Storage: **Ambient (20 °C)**
 Nominal Concentration (µg/mL): **100**
 NIST Test ID#: **6UTB**

Solvent/
Acet

Weight(s) shown below were combined and diluted to (mL): **100.0**

5E-05 Balance Uncertainty

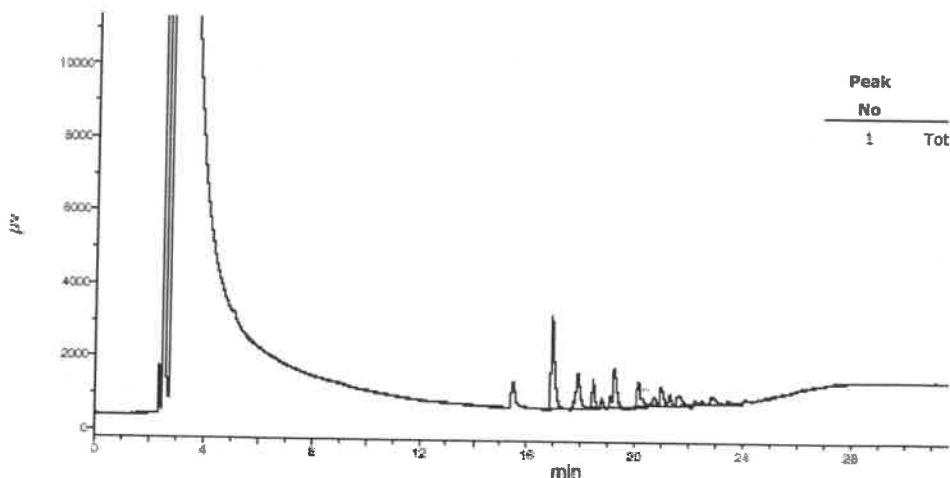
0.057 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)
1. Aroclor 1232	17	45-6A	100	100	0.5	0.01000

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

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
 Standard injection = 1.5µL, Range=3





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. : 32009 Lot No.: A0203672

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : January 31, 2030 Storage: 25°C nominal

Handling: This product contains PCBs. Ship: Ambient

p12928
↓
p12932
AJ
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	—%	1,004.7 µg/mL	+/- 55.7515

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

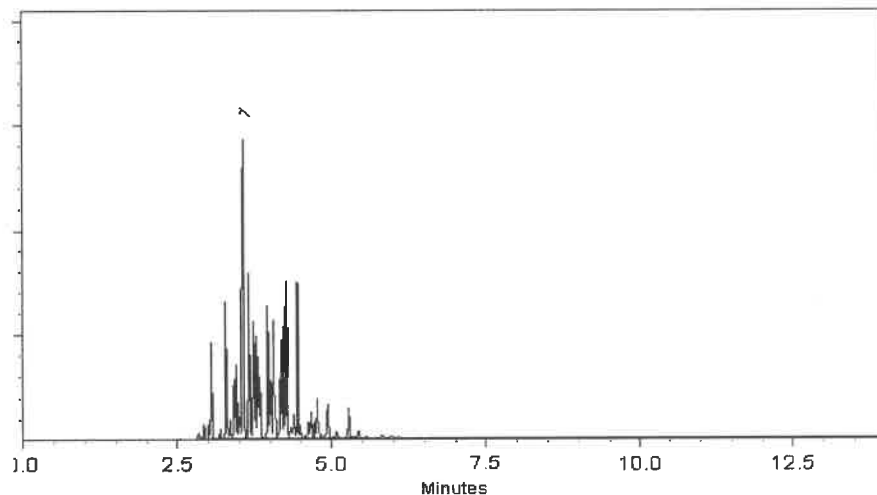
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2µl



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

Russ Bookhamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

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



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

P12993
↓
P12997
AT
12/07/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	—%	1,001.7 µg/mL	+/- 55.5850

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

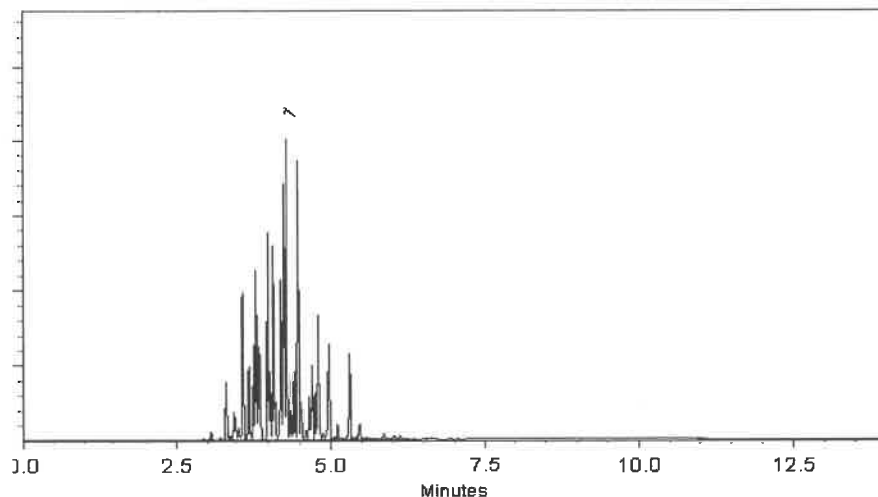
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2µl



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


Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

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



CERTIFIED WEIGHT REPORT

Part Number: 20064
Lot Number: 022023
Description: CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260
Expiration Date: 022033
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s): Hexane
Lot# 273615

		022023
Formulated By:	Benson Chan	DATE
		022023
Reviewed By:	Pedro L. Rentas	DATE

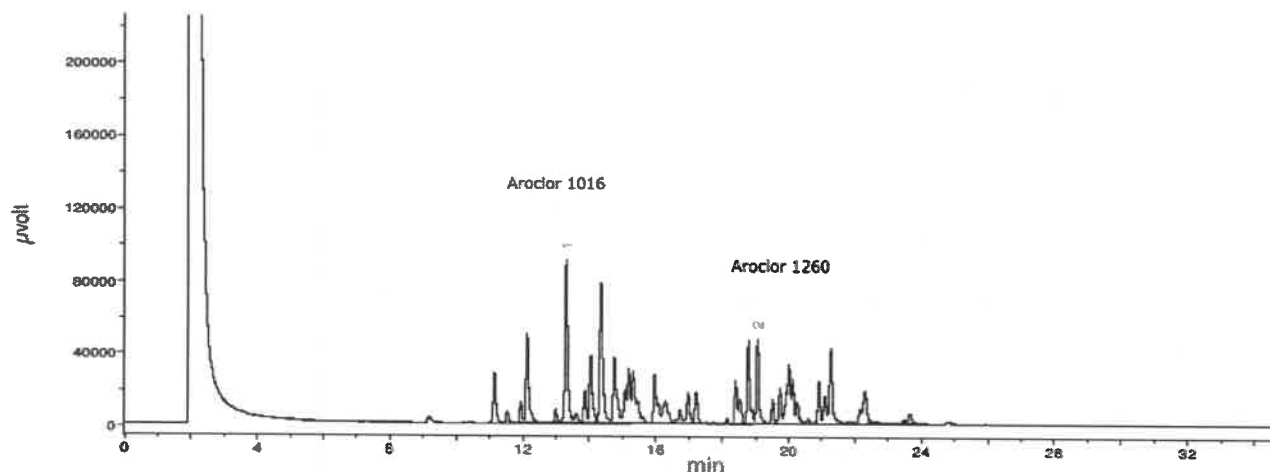
P12946
↓
P12955
748
12/20/23

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

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11096-82-5	0.5mg/m3	ori-rat 1315mg/kg

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

Comments
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **99139**
 Lot Number: **121823**
 Description: **Aroclor 1254**

Solvent(s):
 Iso-octane
 Lot#
 82227

Formulated By: <i>Anthony Mahoney</i>		121823
		DATE
Reviewed By: <i>Pedro L. Rentas</i>		121823
		DATE

P12956 } Y-P
 12/20/23
 P12957 }

Expiration Date: 121833
 Recommended Storage: Ambient (20 °C)
 Nominal Concentration (µg/mL): 100
 NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 20.0
 5E-05 Balance Uncertainty
 0.003 Flask Uncertainty

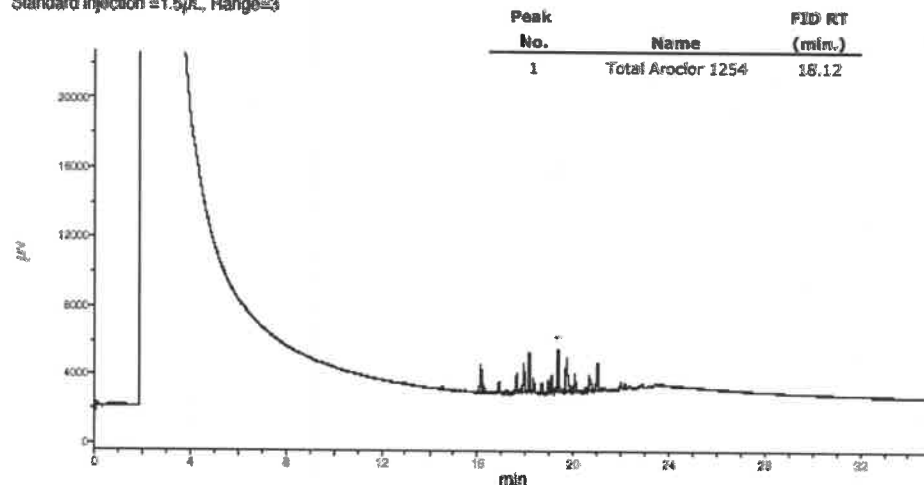
Note: Aroclor 1254 is a mix of isomers.

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1254	79100	121823	0.10	2.00	0.017	1003.3	100.1	1.8	11097-69-1	0.5mg/m3 (skin)	orl-rat 1295mg/kg

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

Comments

GC3-M1 Analysis by Melissa Stonier
 Column ID SPB-608 30 meter X 0.53mm X 5µm film thickness
 Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
 Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
 Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
 Rate = 8°C/min, Total run time = 35 min
 Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edag Channel 1
 Standard injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **90165**
 Lot Number: **112322**
 Description: **Aroclor 1262**

Solvent(s):
 Hexane

Lot#
 273615

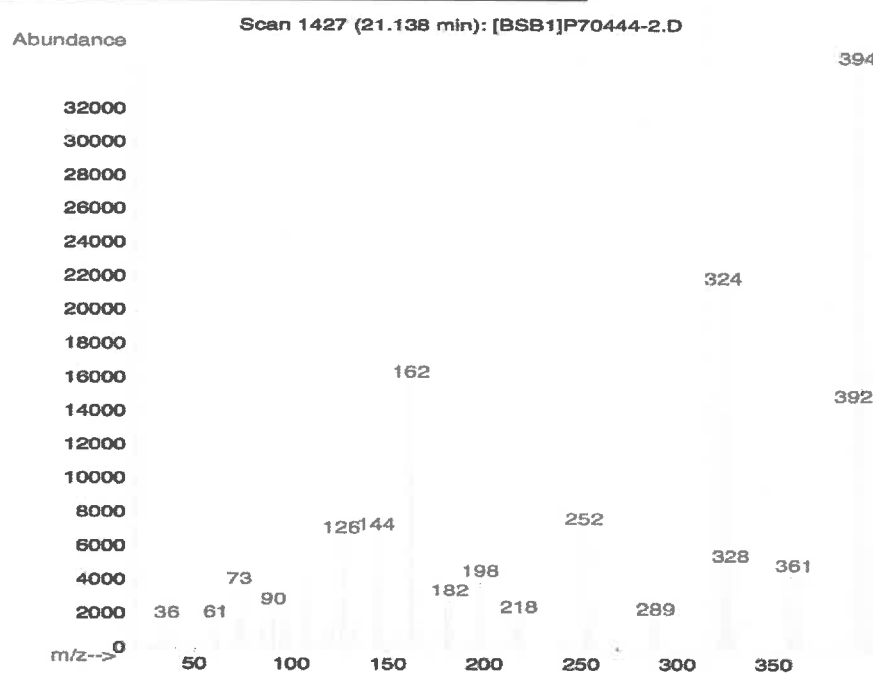
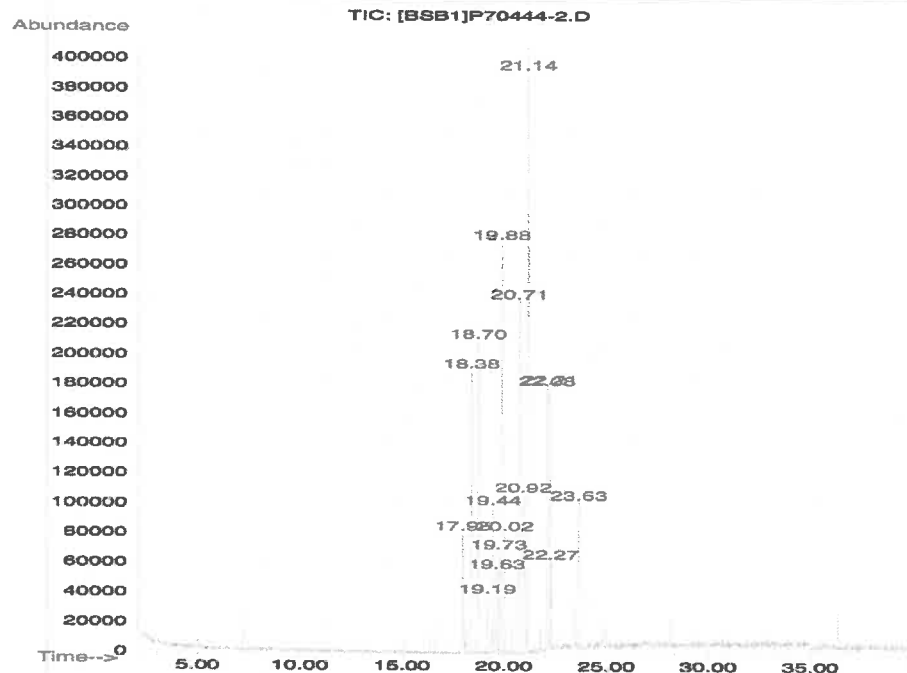
		112322
Formulated By:	Prashant Chauhan	DATE
		112322
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 112332
 Recommended Storage: Ambient (20 °C)
 Nominal Concentration (µg/mL): 1000
 NIST Test ID#: 6UTB
 Weight(s) shown below were combined and diluted to (mL): 50.0

5E-05 Balance Uncertainty
 0.005 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Aroclor 1262	444	W-130-05	1000	100	0.2	0.05003	0.05016	1002.7	4.5	37324-23-5	N/A	orl-rat 11300mg/kg

Method GC7MSD-7.M: Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.



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

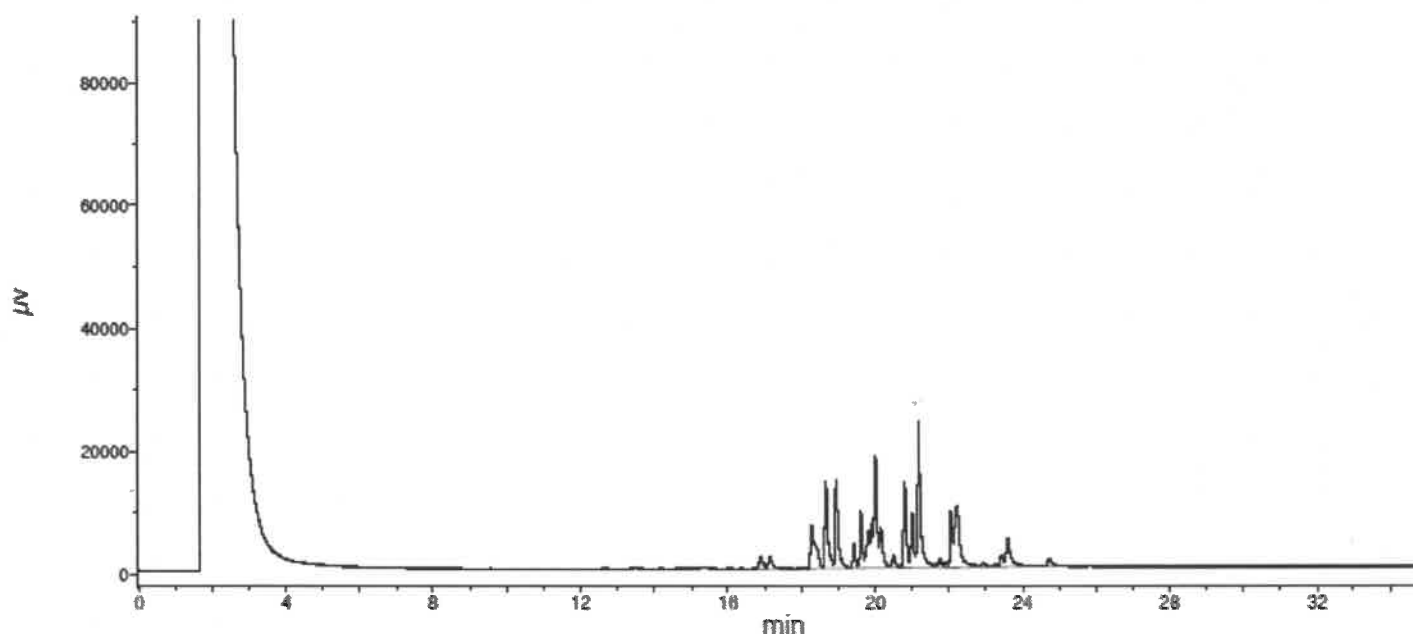


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection = 1.5µL, Range=3





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. : 31266 **Lot No.:** A0204859

Description : Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

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

Expiration Date : December 31, 2030 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

P13103 } Y.P.
↓
P13112 } 01/12/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Octane (C8)	111-65-9	SHBP9758	99%	504.4 µg/mL	+/- 13.0305
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	503.6 µg/mL	+/- 13.0098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	503.6 µg/mL	+/- 13.0098
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	504.0 µg/mL	+/- 13.0201
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	504.0 µg/mL	+/- 13.0201
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	504.1 µg/mL	+/- 13.0230
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	504.0 µg/mL	+/- 13.0204
8	n-Docosane (C22)	629-97-0	MKCQ3882	99%	503.6 µg/mL	+/- 13.0098
9	n-Tetracosane (C24)	646-31-1	MKCQ8345	99%	504.0 µg/mL	+/- 13.0201
10	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	504.0 µg/mL	+/- 13.0201
11	n-Octacosane (C28)	630-02-4	BCCG0084	99%	504.0 µg/mL	+/- 13.0201
12	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	504.0 µg/mL	+/- 13.0204
13	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	504.0 µg/mL	+/- 13.0201
14	n-Tetratriacontane (C34)	14167-59-0	OML4N	99%	504.4 µg/mL	+/- 13.0305
15	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	504.0 µg/mL	+/- 13.0201
16	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	503.8 µg/mL	+/- 13.0152
17	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	503.6 µg/mL	+/- 13.0098

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

Quality Confirmation Test

Column:
 30m x 0.25mm x 0.25µm
 Rtx-5 (cat.#10223)

Carrier Gas:
 hydrogen-constant pressure 10 psi.

Temp. Program:
 40°C (hold 2 min.) to 330°C
 @ 10°C/min. (hold 10 min.)

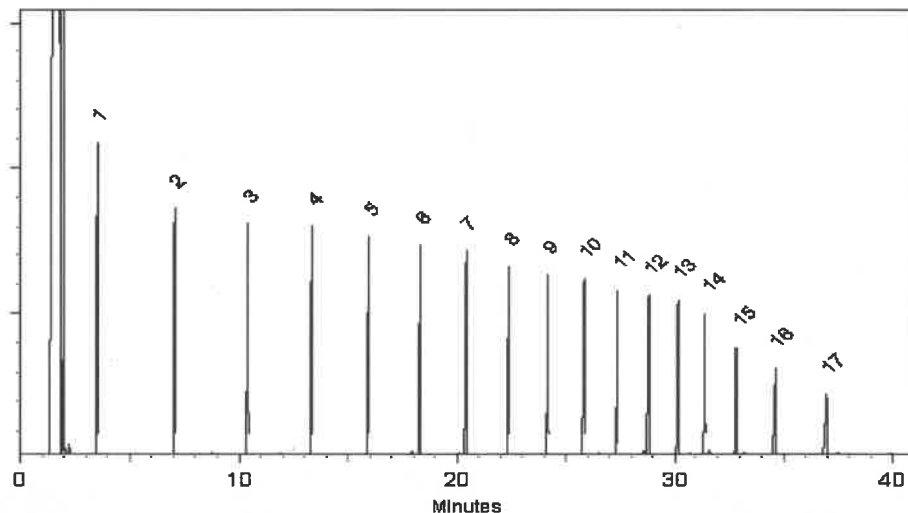
Inj. Temp:
 250°C

Det. Temp:
 330°C

Det. Type:
 FID

Split Vent:
 2 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.

[Signature]
 Dakota Parson - Operations Technician I

Date Mixed: 29-Nov-2023 **Balance Serial #** B442140311

[Signature]
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Dec-2023

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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. : 31266 **Lot No.:** A0204859

Description : Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

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

Expiration Date : December 31, 2030 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

P13103 } Y.P.
↓
P13112 } 01/12/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Octane (C8)	111-65-9	SHBP9758	99%	504.4 µg/mL	+/- 13.0305
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	503.6 µg/mL	+/- 13.0098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	503.6 µg/mL	+/- 13.0098
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	504.0 µg/mL	+/- 13.0201
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	504.0 µg/mL	+/- 13.0201
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	504.1 µg/mL	+/- 13.0230
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	504.0 µg/mL	+/- 13.0204
8	n-Docosane (C22)	629-97-0	MKCQ3882	99%	503.6 µg/mL	+/- 13.0098
9	n-Tetracosane (C24)	646-31-1	MKCQ8345	99%	504.0 µg/mL	+/- 13.0201
10	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	504.0 µg/mL	+/- 13.0201
11	n-Octacosane (C28)	630-02-4	BCCG0084	99%	504.0 µg/mL	+/- 13.0201
12	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	504.0 µg/mL	+/- 13.0204
13	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	504.0 µg/mL	+/- 13.0201
14	n-Tetratriacontane (C34)	14167-59-0	OML4N	99%	504.4 µg/mL	+/- 13.0305
15	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	504.0 µg/mL	+/- 13.0201
16	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	503.8 µg/mL	+/- 13.0152
17	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	503.6 µg/mL	+/- 13.0098

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

Quality Confirmation Test

Column:
 30m x 0.25mm x 0.25µm
 Rtx-5 (cat.#10223)

Carrier Gas:
 hydrogen-constant pressure 10 psi.

Temp. Program:
 40°C (hold 2 min.) to 330°C
 @ 10°C/min. (hold 10 min.)

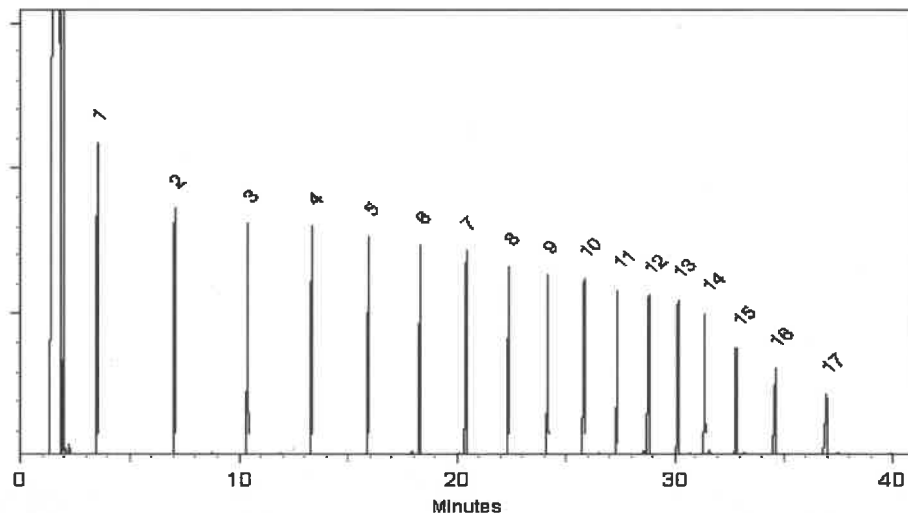
Inj. Temp:
 250°C

Det. Temp:
 330°C

Det. Type:
 FID

Split Vent:
 2 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.

[Signature]
 Dakota Parson - Operations Technician I

Date Mixed: 29-Nov-2023 **Balance Serial #** B442140311

[Signature]
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Dec-2023

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

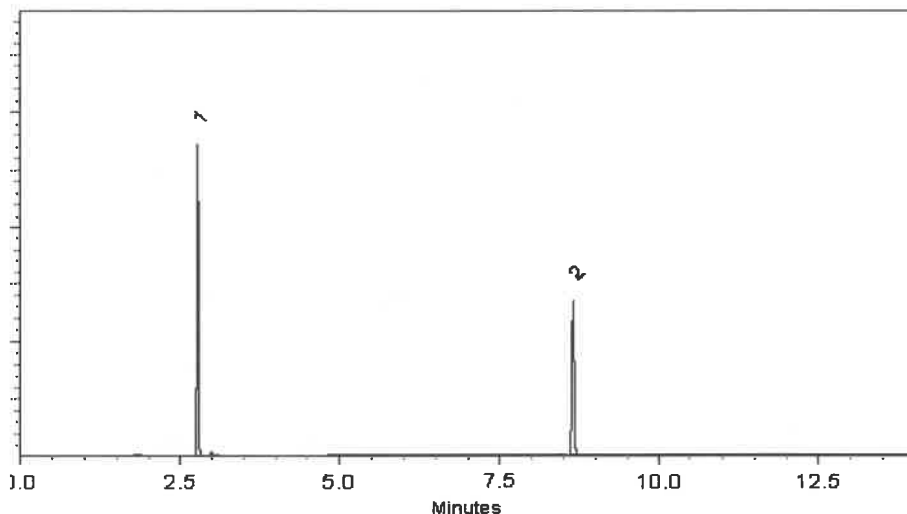
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer J. Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357
10

SAUF
04/25/2025



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

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

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

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

Tech Tips:

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

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

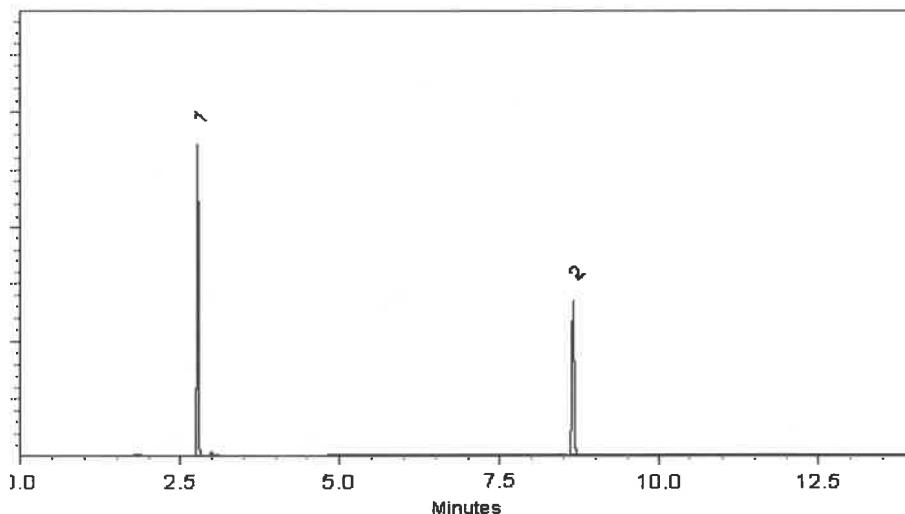
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer J Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P13348
↓
P13357
10

SAUF
04/25/2025

Reference Material Certificate
Product Information Sheet

Product Name: Aroclor 1221 Standard
Product Number: PP-292-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006783205
Lot Issue Date: 20-Feb-2024
Expiration Date: 31-Mar-2032

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
Aroclor 1221	100.3 ±	0.5 µg/mL	011104-28-2	NT01017

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/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.

P133F2
↓
P133F3

AJ
05/06/24

Page: 1 of 2

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:



Monica Bourgeois
QMS Representative



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality



SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

P5380



Weston COC ID
Weston_20241220

Chain of Custody Record/Lab Work Request

Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	Project POC:	Nathan Fretz
PO Number	0111169	Phone:	464-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	7	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes	
SB-	Soil
SE -	Sediment
SO -	Solid
SL -	Sludge
GW -	Groundwater
W -	Water
O -	Oil
A -	Air
DS -	Drum Solids
DL -	Drum Liquids
L -	EP/TCLP Leachate
WI -	Wipe
X -	Other
F -	Fish

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Analyses Requested:	TCLP VOCs by EPA 8260D (1311)	TCLP SVOCs by EPA 8270E (1311)	TCLP Metals by EPA 6010D/7470A	TCLP Pesticides by EPA 8081B	TCLP Herbicides by EPA 8151A	Total Sulfide by EPA 8034	Total Cyanide by EPA 9012E	PCB by EPA 8082A	Ignitability by EPA 1030	pH by EPA 9045D		
	Container Type:	Encore	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass		
	Container Size:	25g	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz		
	Preservative:	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6		

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected											Special Instructions/Comments
1	TAPIAL3-IDW-Soil-122024-T1	c	DS	6	no	12/20/2024	14:15	X	X	X	X	X	X	X	X	X	X	expedited 7 day TAT
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Shipping Airbill Number(s):						Cooler Number:		1	of	1
Relinquished By	Date	Time	Received By	Date	Time	Additional Comments				
1.) <i>S. R. V.</i>	12/20/24	18W	<i>Reen</i>	12/21/24	11:00	QSM 6.0 Compliant Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD				
2.)					2-3					
3.)										

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:33
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 01:47:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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...	3.710	3.708	40888009	23002425	4.581	4.400
2) SA Decachlor...	8.790	8.741	37049676	19012827	5.045	4.843
Target Compounds						
3) L1 AR-1016-1	4.809	4.798	16113835	8989618	51.876	55.498
4) L1 AR-1016-2	4.829	4.818	20947856	11430720	49.985	50.865
5) L1 AR-1016-3	4.885	4.994	15163571	7090476	51.365	55.837
6) L1 AR-1016-4	5.006	5.035	12059612	5969454	51.991	56.281
7) L1 AR-1016-5	5.265	5.249	13968228	7490988	56.035	55.936
31) L7 AR-1260-1	6.309	6.286	27163321	12936573	59.289	55.433
32) L7 AR-1260-2	6.497	6.473	31139251	15589768	56.030	55.910
33) L7 AR-1260-3	6.867	6.627	26586358	14459323	57.275	55.831
34) L7 AR-1260-4	7.128	7.100	22304325	10653055	52.300	49.594
35) L7 AR-1260-5	7.369	7.339	48077854	23055032	48.827	46.943

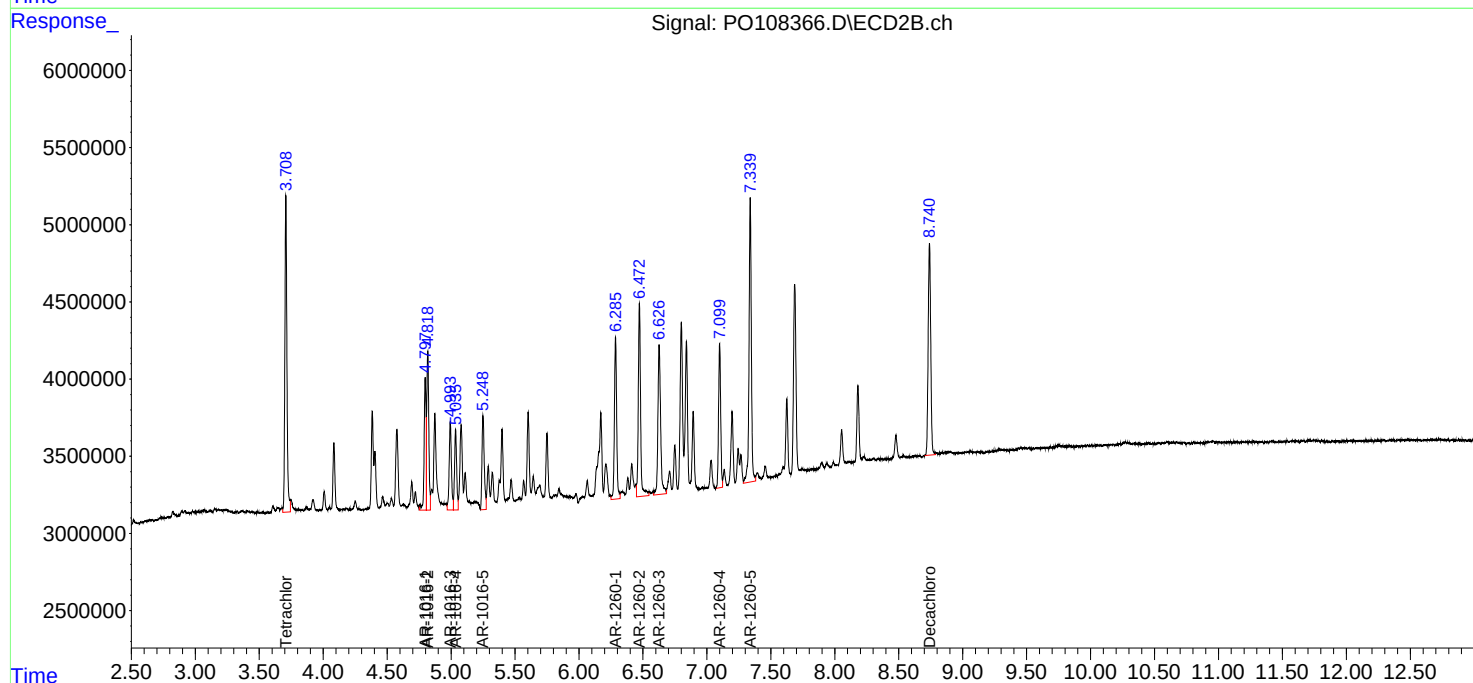
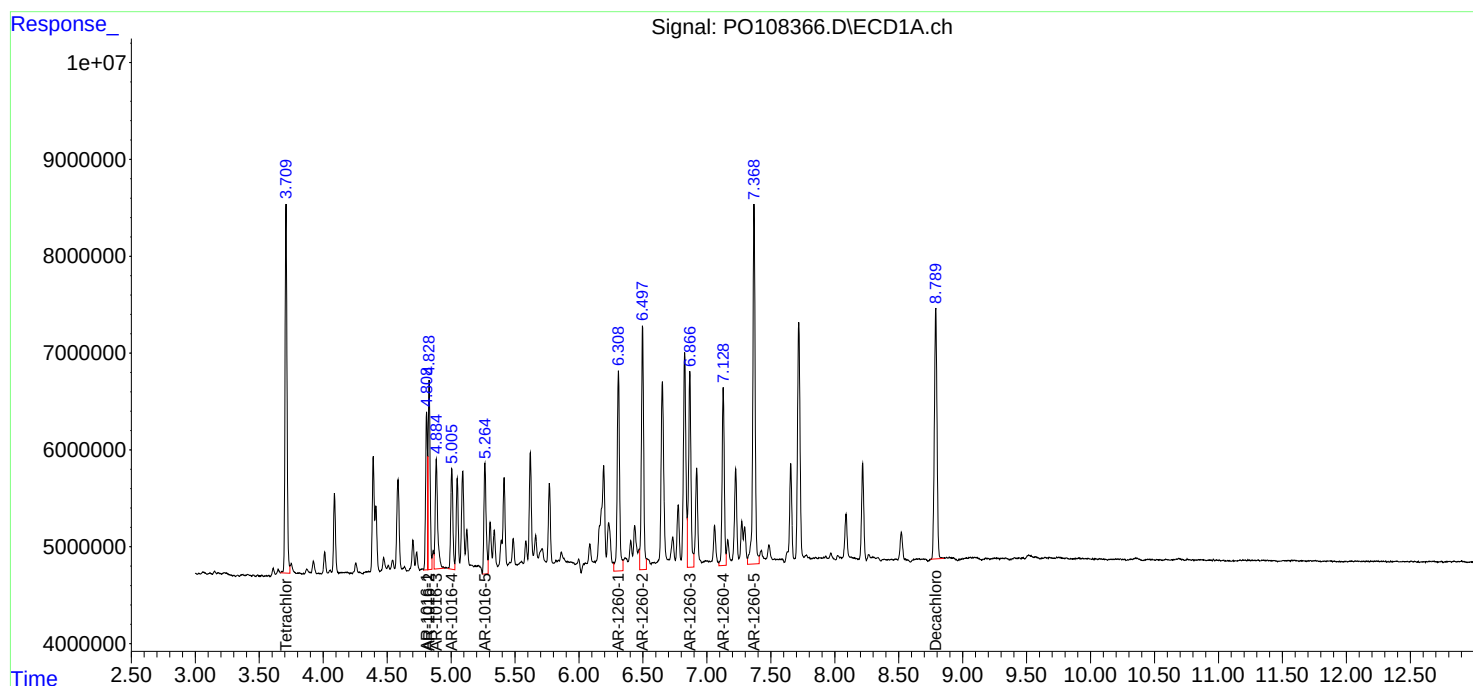
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

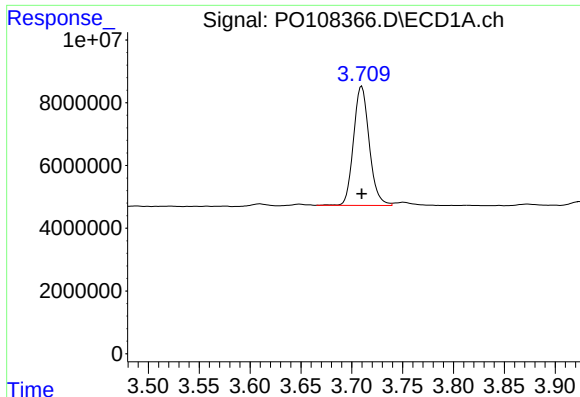
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:33
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 01:47:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 01:45:35 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

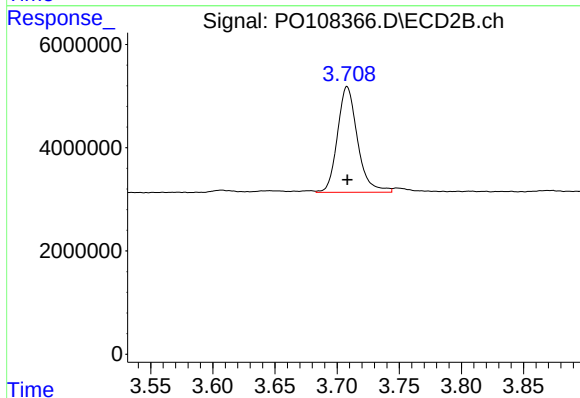




#1 Tetrachloro-m-xylene

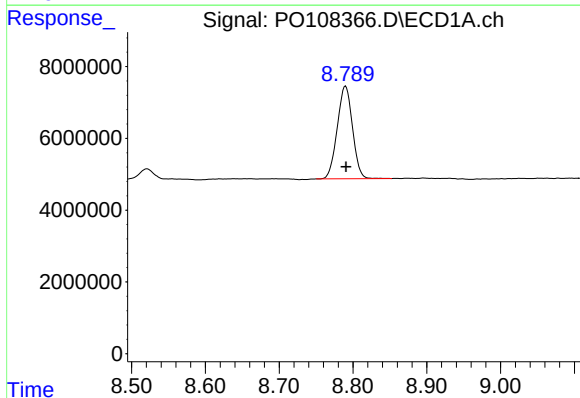
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 40888009
Conc: 4.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



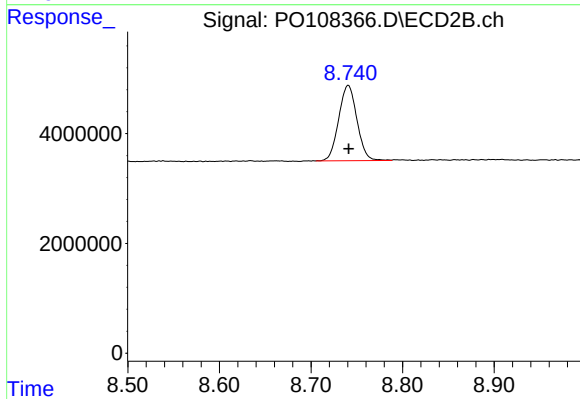
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 23002425
Conc: 4.40 ng/ml



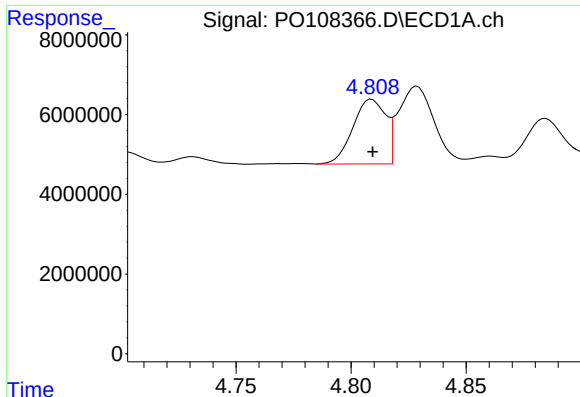
#2 Decachlorobiphenyl

R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 37049676
Conc: 5.05 ng/ml



#2 Decachlorobiphenyl

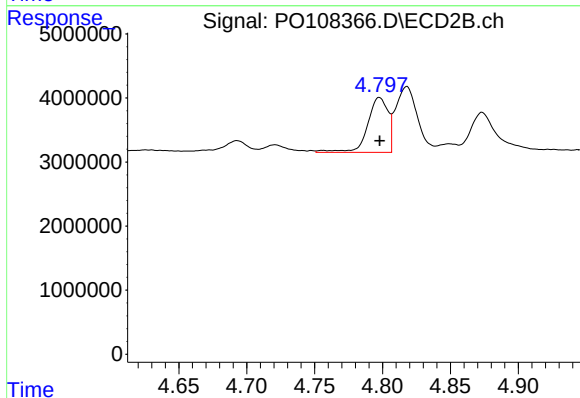
R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 19012827
Conc: 4.84 ng/ml



#3 AR-1016-1

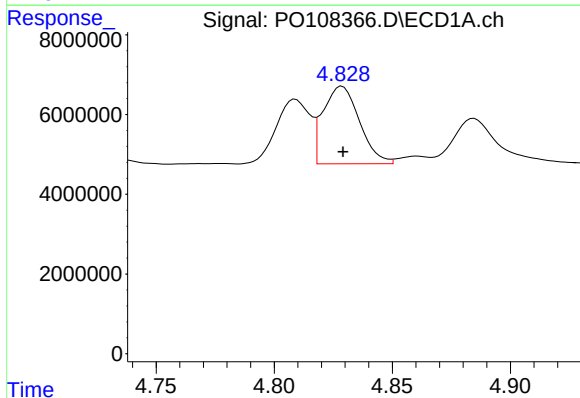
R.T.: 4.809 min
Delta R.T.: 0.000 min
Response: 16113835
Conc: 51.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



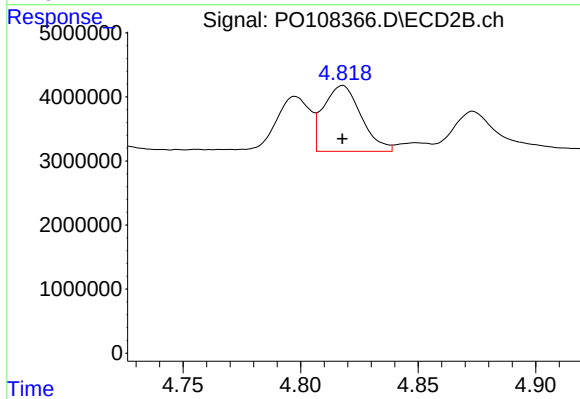
#3 AR-1016-1

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 8989618
Conc: 55.50 ng/ml



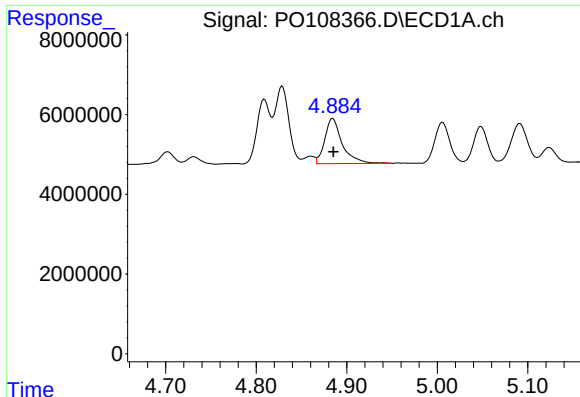
#4 AR-1016-2

R.T.: 4.829 min
Delta R.T.: 0.000 min
Response: 20947856
Conc: 49.98 ng/ml



#4 AR-1016-2

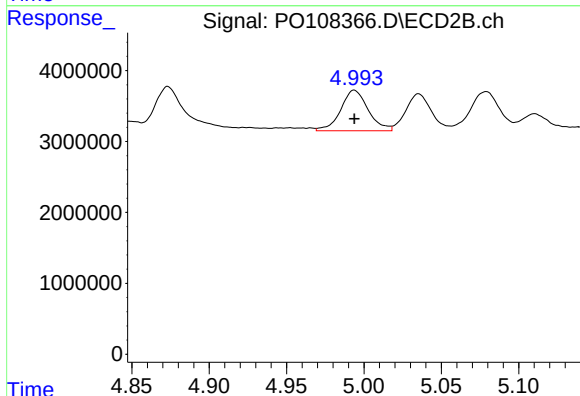
R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 11430720
Conc: 50.86 ng/ml



#5 AR-1016-3

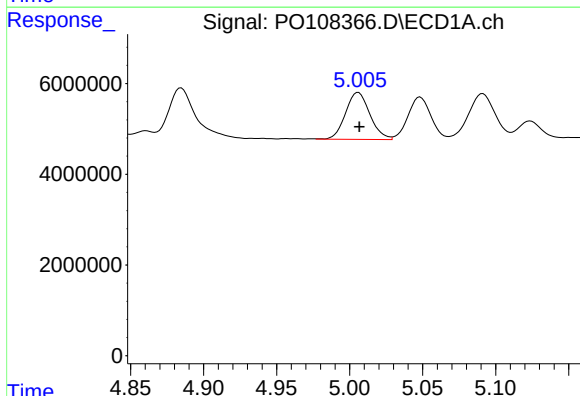
R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 15163571
Conc: 51.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



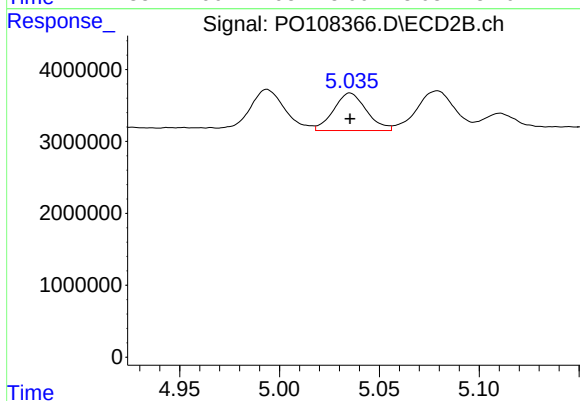
#5 AR-1016-3

R.T.: 4.994 min
Delta R.T.: 0.000 min
Response: 7090476
Conc: 55.84 ng/ml



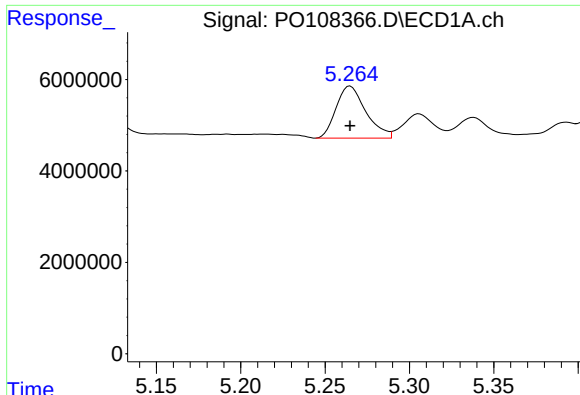
#6 AR-1016-4

R.T.: 5.006 min
Delta R.T.: 0.000 min
Response: 12059612
Conc: 51.99 ng/ml



#6 AR-1016-4

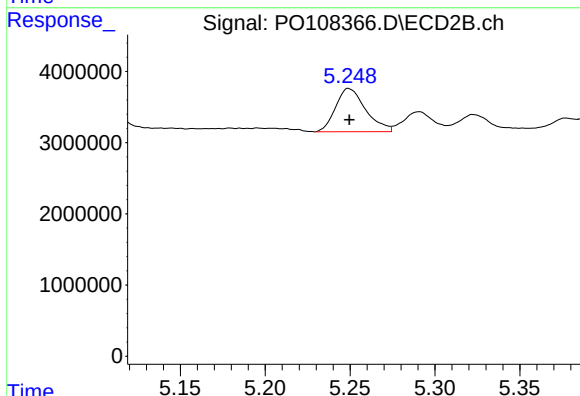
R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 5969454
Conc: 56.28 ng/ml



#7 AR-1016-5

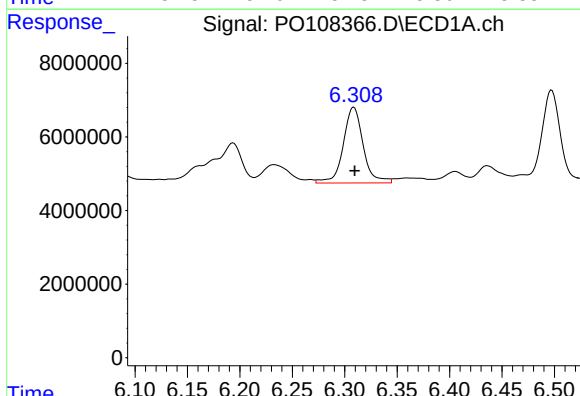
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 13968228
Conc: 56.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



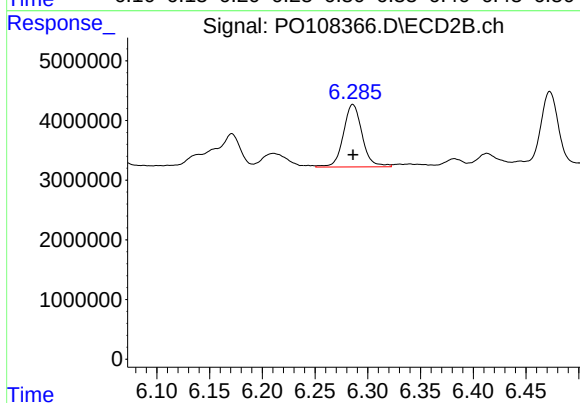
#7 AR-1016-5

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 7490988
Conc: 55.94 ng/ml



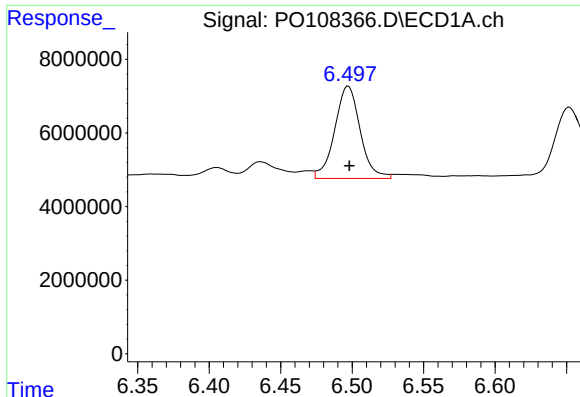
#31 AR-1260-1

R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 27163321
Conc: 59.29 ng/ml



#31 AR-1260-1

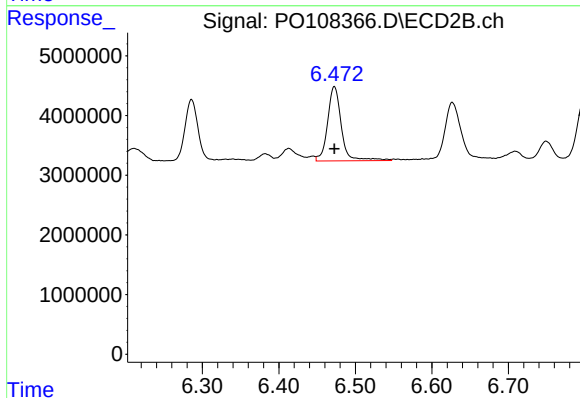
R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 12936573
Conc: 55.43 ng/ml



#32 AR-1260-2

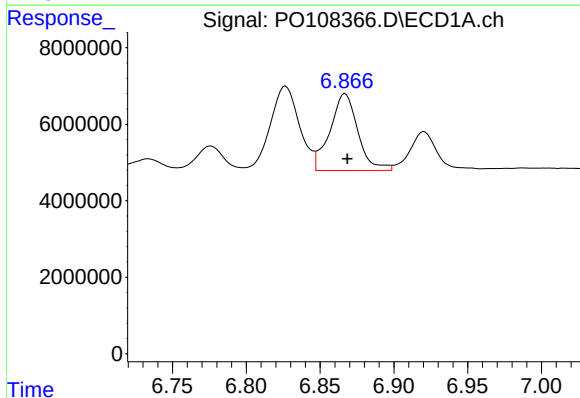
R.T.: 6.497 min
Delta R.T.: 0.000 min
Response: 31139251
Conc: 56.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



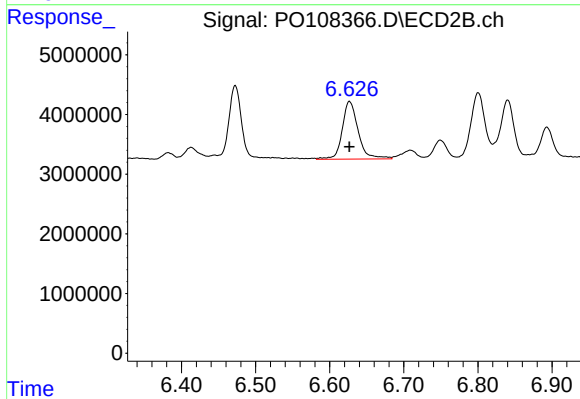
#32 AR-1260-2

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 15589768
Conc: 55.91 ng/ml



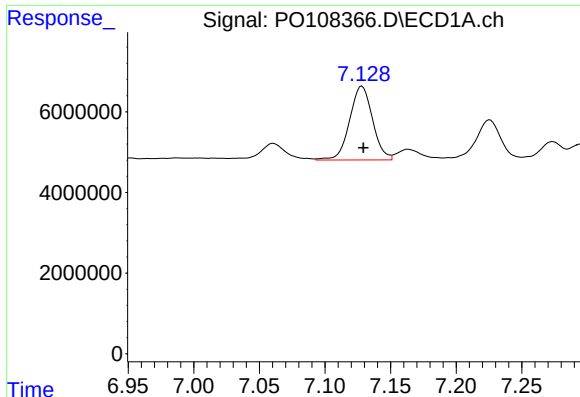
#33 AR-1260-3

R.T.: 6.867 min
Delta R.T.: -0.001 min
Response: 26586358
Conc: 57.28 ng/ml



#33 AR-1260-3

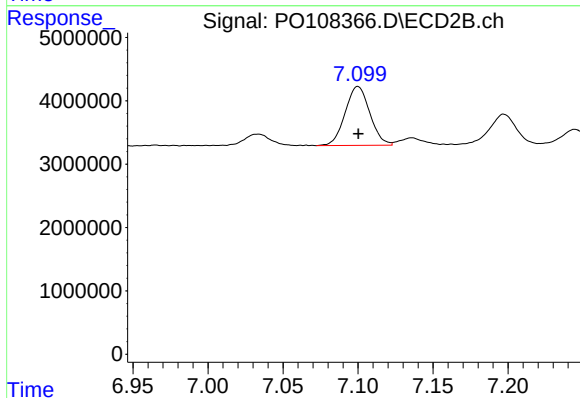
R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 14459323
Conc: 55.83 ng/ml



#34 AR-1260-4

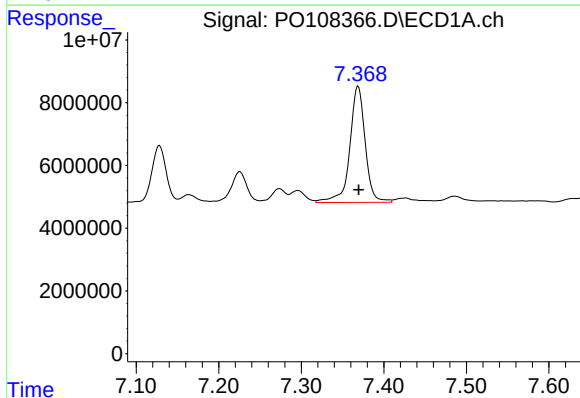
R.T.: 7.128 min
Delta R.T.: -0.001 min
Response: 22304325
Conc: 52.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



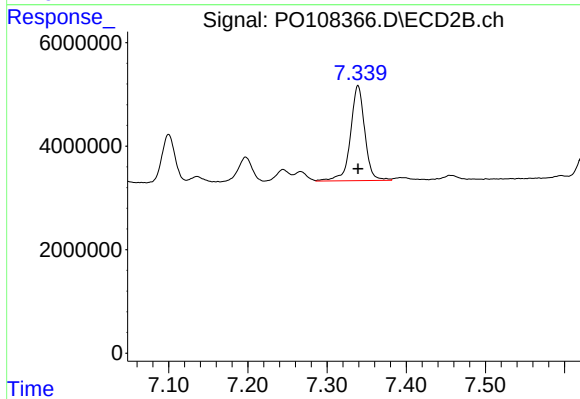
#34 AR-1260-4

R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 10653055
Conc: 49.59 ng/ml



#35 AR-1260-5

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 48077854
Conc: 48.83 ng/ml



#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 23055032
Conc: 46.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:41
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:30:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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...	3.708	3.707	42500192	23470301	4.857	4.636
2) SA Decachlor...	8.786	8.739	38080770	19909368	5.246	5.063
Target Compounds						
16) L4 AR-1242-1	4.806	4.796	13771137	7309320	54.960	55.098
17) L4 AR-1242-2	4.826	4.816	17939884	9549021	52.819	52.105
18) L4 AR-1242-3	4.882	4.992	12765923	5700607	53.645	55.374
19) L4 AR-1242-4	5.004	5.077	10336411	5979654	55.288	57.272
20) L4 AR-1242-5	5.659	5.599	12699181	7040034	64.308	57.695

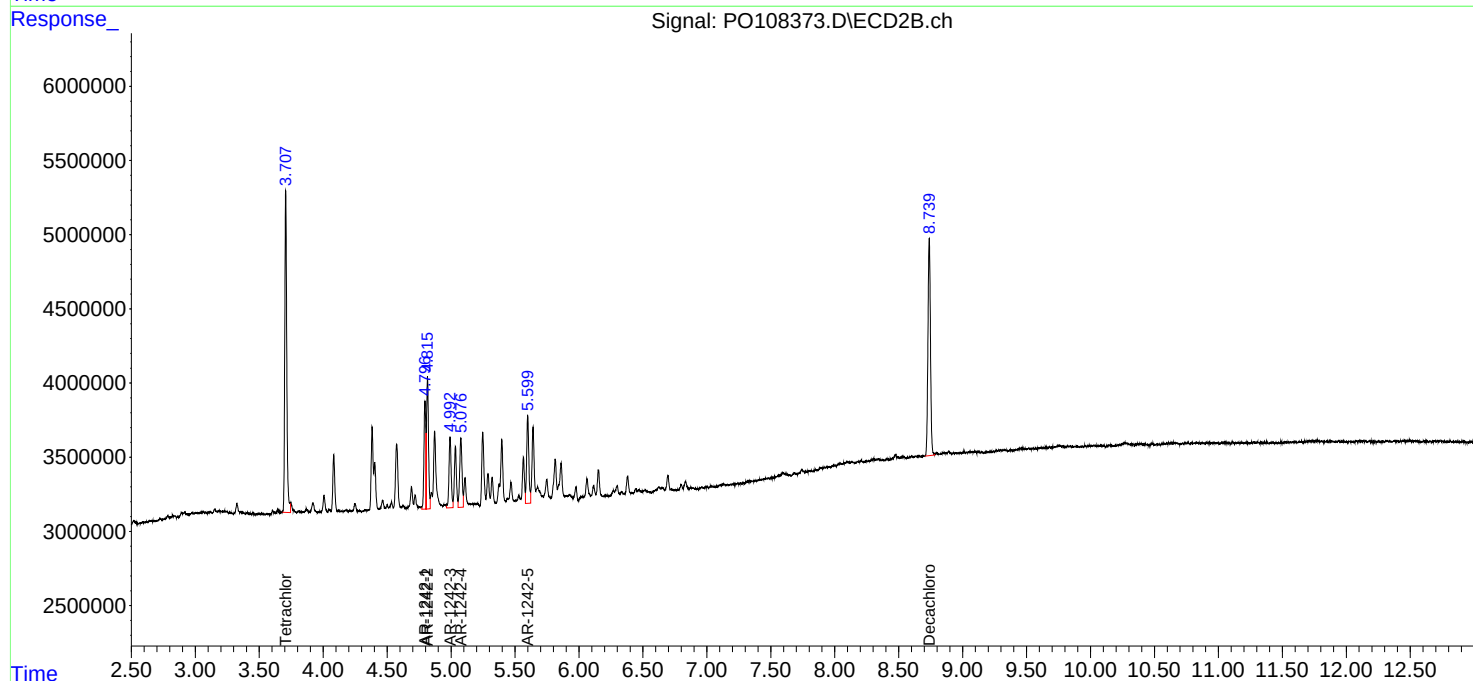
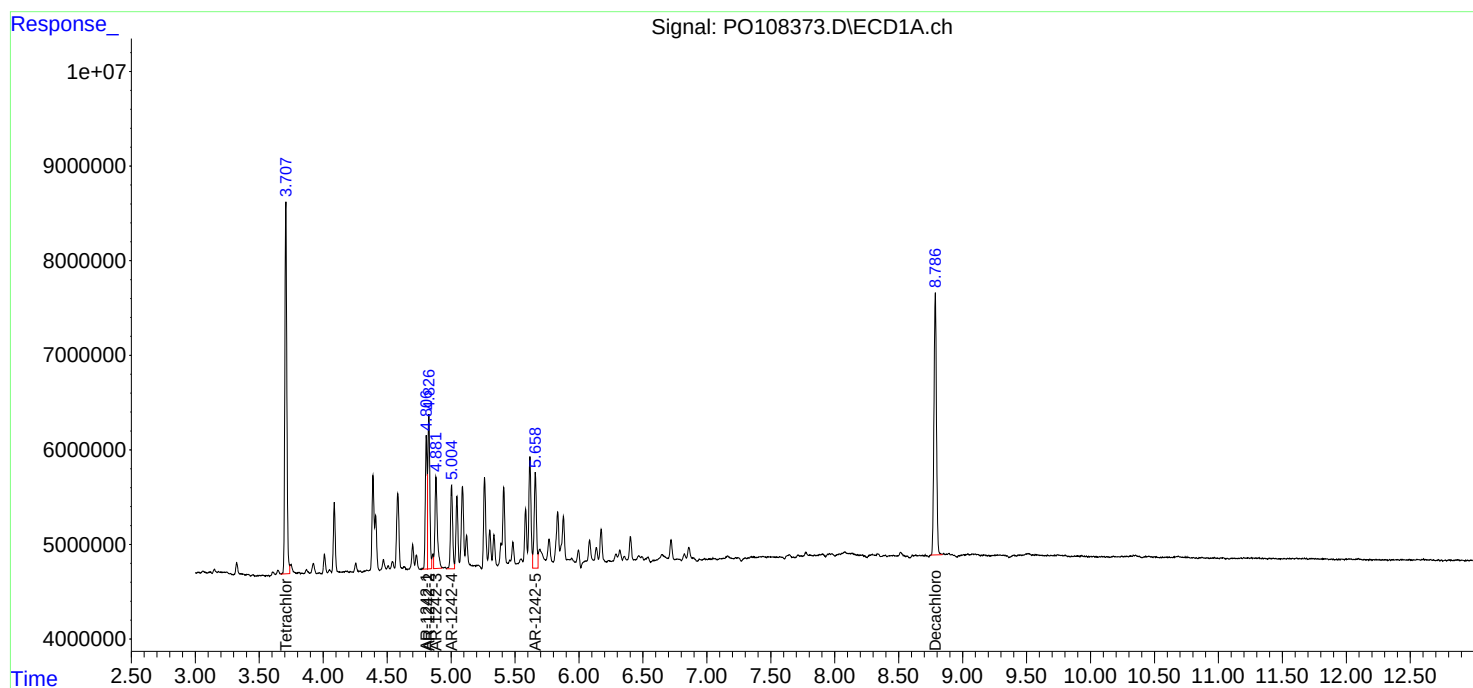
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

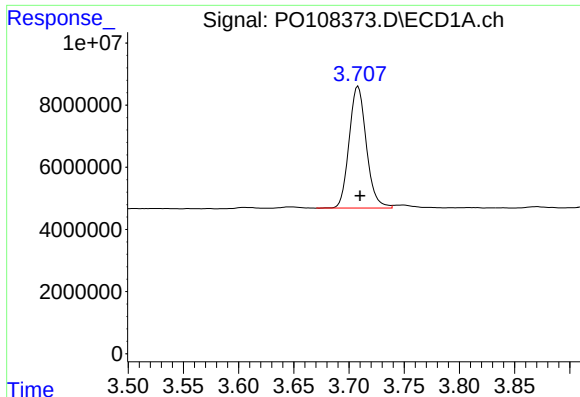
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:41
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:30:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:28:21 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

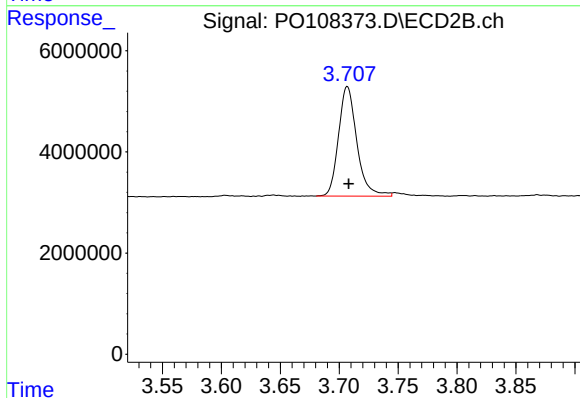




#1 Tetrachloro-m-xylene

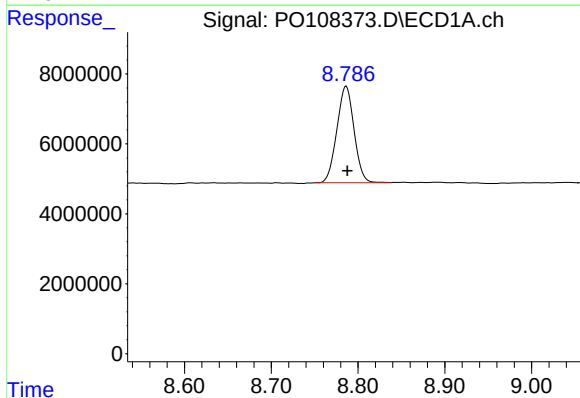
R.T.: 3.708 min
Delta R.T.: -0.002 min
Response: 42500192
Conc: 4.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



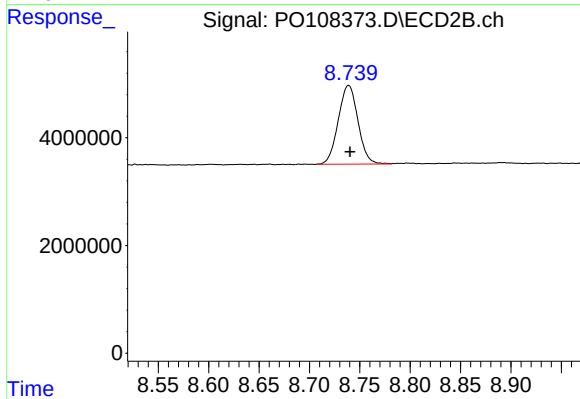
#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: -0.001 min
Response: 23470301
Conc: 4.64 ng/ml



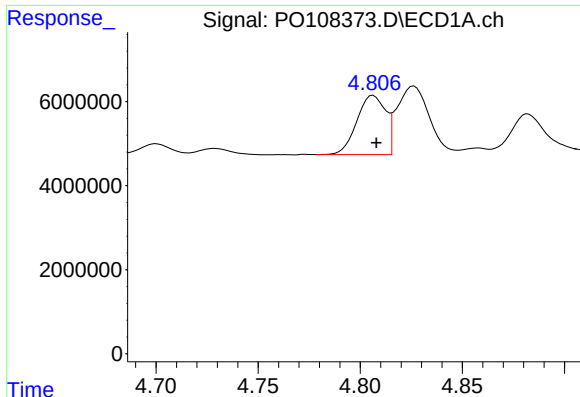
#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: -0.001 min
Response: 38080770
Conc: 5.25 ng/ml



#2 Decachlorobiphenyl

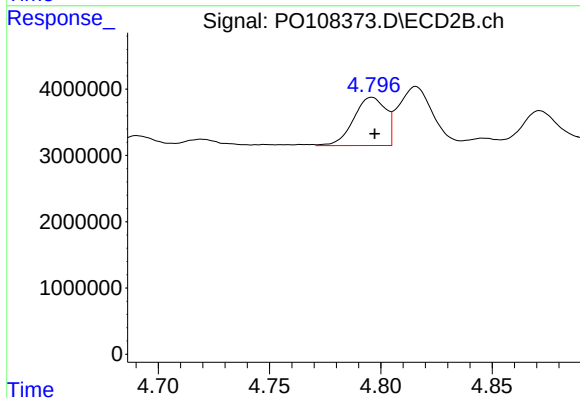
R.T.: 8.739 min
Delta R.T.: -0.001 min
Response: 19909368
Conc: 5.06 ng/ml



#16 AR-1242-1

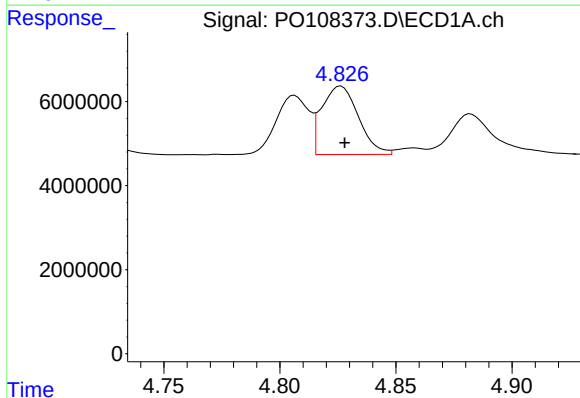
R.T.: 4.806 min
Delta R.T.: -0.001 min
Response: 13771137
Conc: 54.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



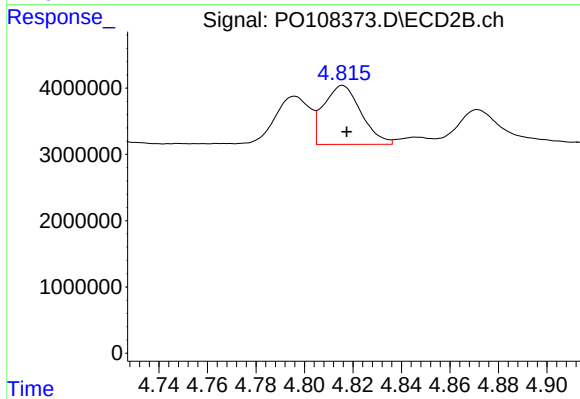
#16 AR-1242-1

R.T.: 4.796 min
Delta R.T.: -0.001 min
Response: 7309320
Conc: 55.10 ng/ml



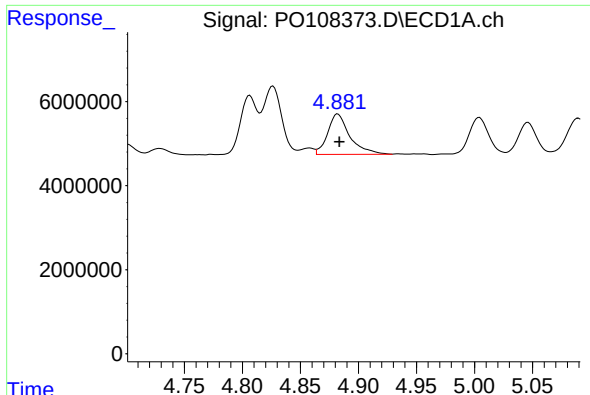
#17 AR-1242-2

R.T.: 4.826 min
Delta R.T.: -0.002 min
Response: 17939884
Conc: 52.82 ng/ml



#17 AR-1242-2

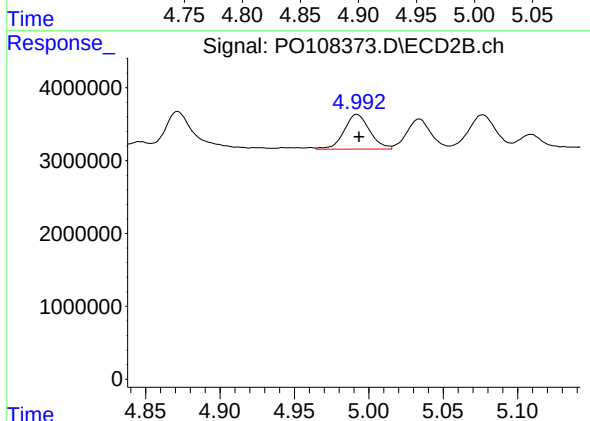
R.T.: 4.816 min
Delta R.T.: -0.002 min
Response: 9549021
Conc: 52.11 ng/ml



#18 AR-1242-3

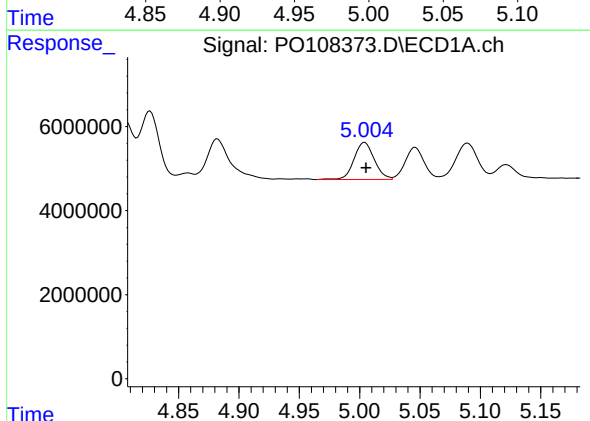
R.T.: 4.882 min
Delta R.T.: -0.001 min
Response: 12765923
Conc: 53.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



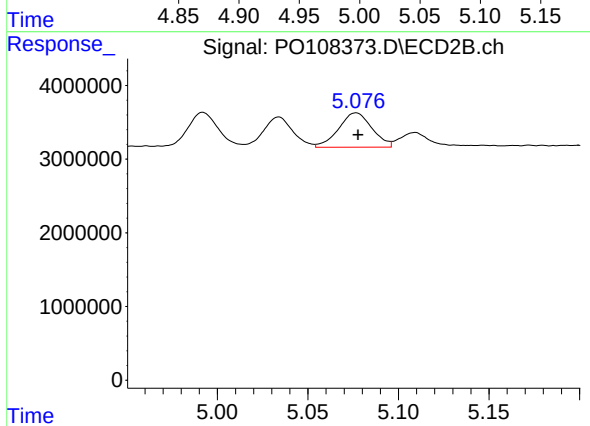
#18 AR-1242-3

R.T.: 4.992 min
Delta R.T.: -0.001 min
Response: 5700607
Conc: 55.37 ng/ml



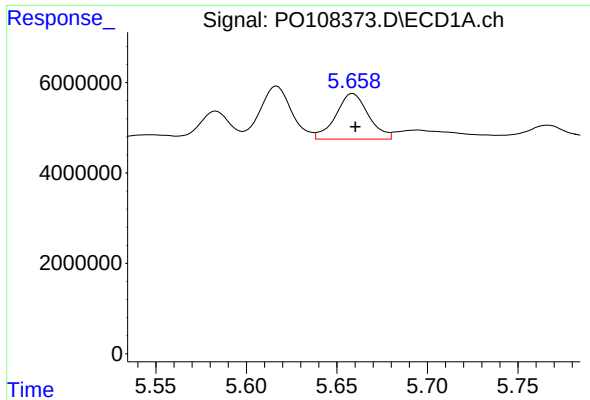
#19 AR-1242-4

R.T.: 5.004 min
Delta R.T.: -0.001 min
Response: 10336411
Conc: 55.29 ng/ml



#19 AR-1242-4

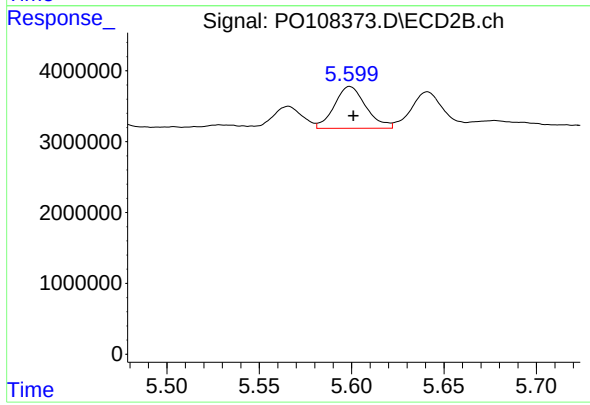
R.T.: 5.077 min
Delta R.T.: -0.001 min
Response: 5979654
Conc: 57.27 ng/ml



#20 AR-1242-5

R.T.: 5.659 min
Delta R.T.: -0.001 min
Response: 12699181
Conc: 64.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



#20 AR-1242-5

R.T.: 5.599 min
Delta R.T.: -0.002 min
Response: 7040034
Conc: 57.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 19:13
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:54:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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...	3.709	3.707	42888882	23166628	4.591	4.424
2) SA Decachlor...	8.785	8.739	41886336	21478364	5.456	5.181
Target Compounds						
21) L5 AR-1248-1	4.807	4.797	10841588	5527464	54.234	52.044
22) L5 AR-1248-2	5.047	5.035	15088946	7988873	54.491	53.179
23) L5 AR-1248-3	5.263	5.077	18344955	8442914	53.590	52.863
24) L5 AR-1248-4	5.618	5.249	27084474	9427231	56.488	51.009
25) L5 AR-1248-5	5.659	5.643	20310729	9433171	59.888	53.554

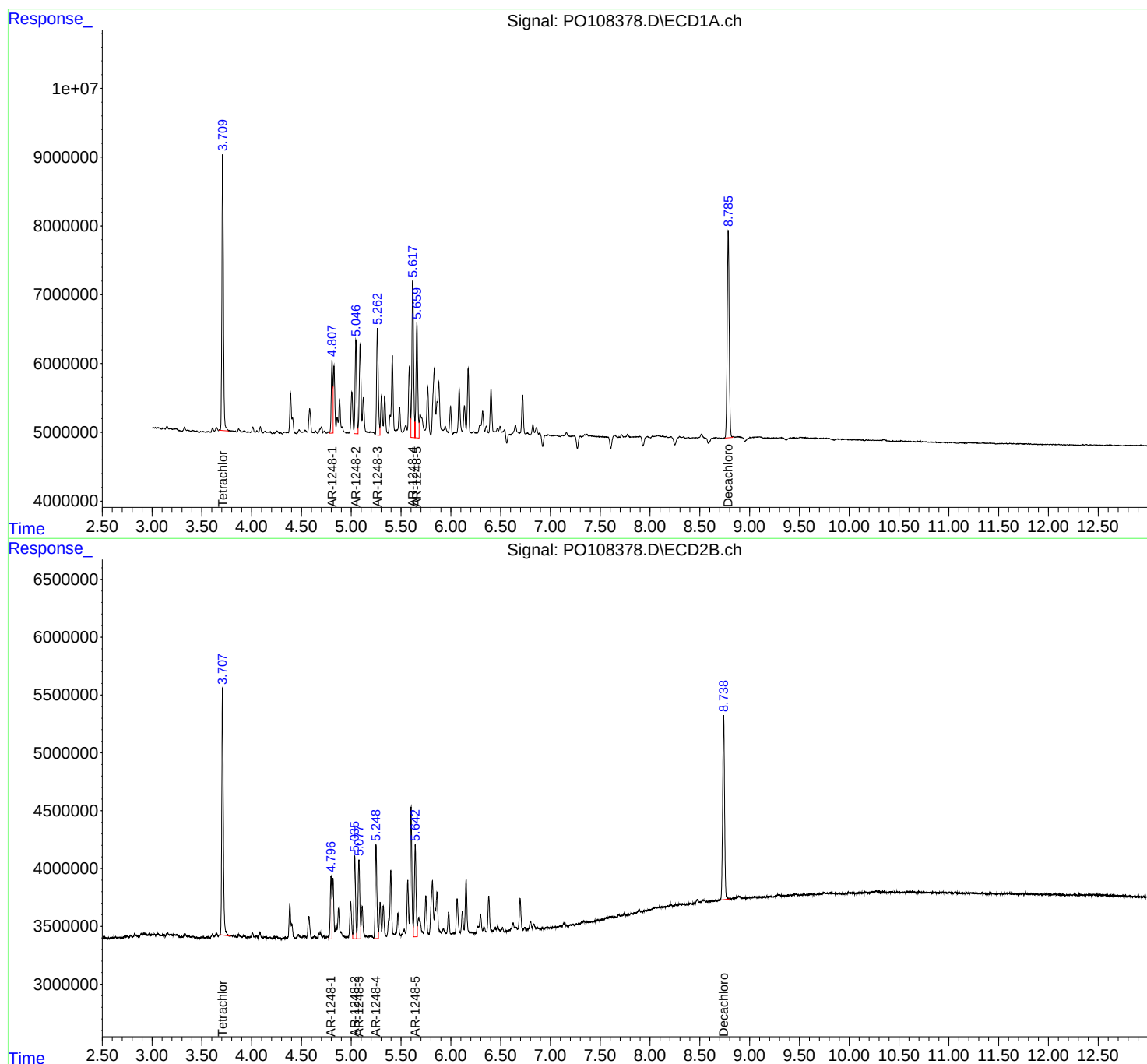
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

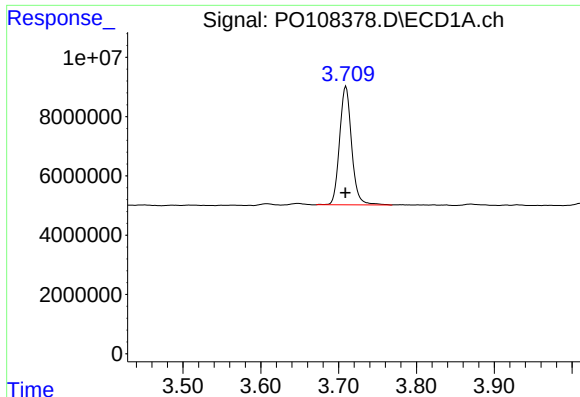
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 19:13
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 03:54:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 03:53:05 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

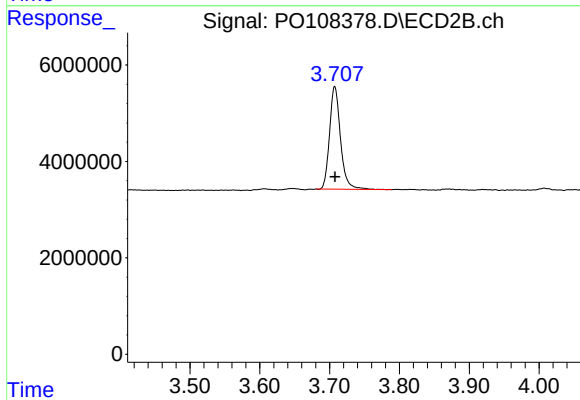




#1 Tetrachloro-m-xylene

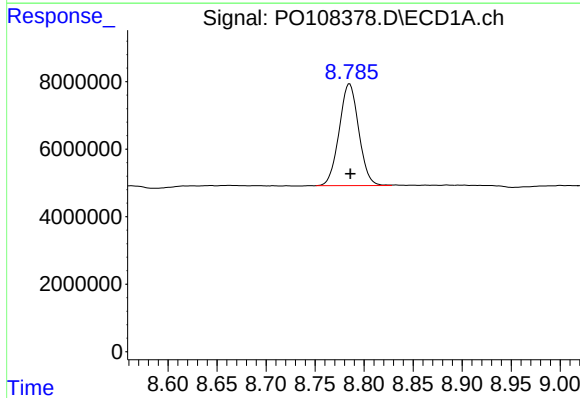
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 42888882
Conc: 4.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



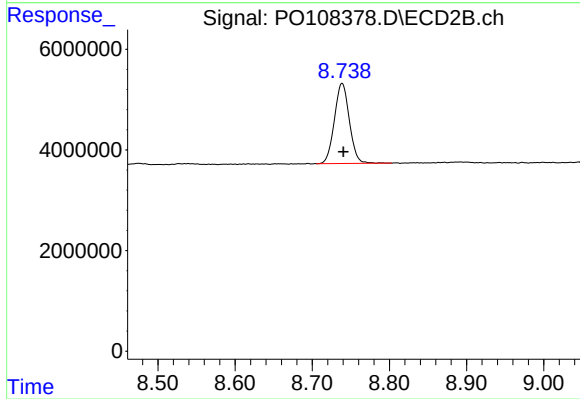
#1 Tetrachloro-m-xylene

R.T.: 3.707 min
Delta R.T.: 0.000 min
Response: 23166628
Conc: 4.42 ng/ml



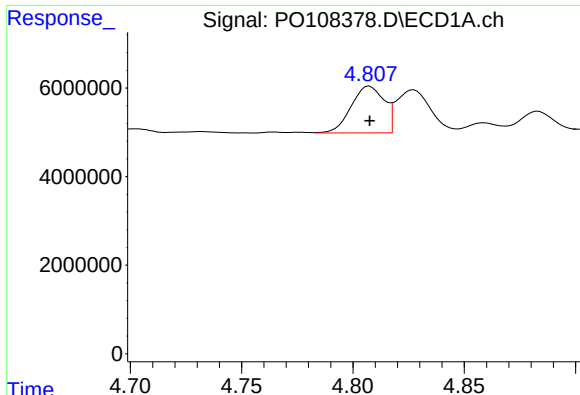
#2 Decachlorobiphenyl

R.T.: 8.785 min
Delta R.T.: 0.000 min
Response: 41886336
Conc: 5.46 ng/ml



#2 Decachlorobiphenyl

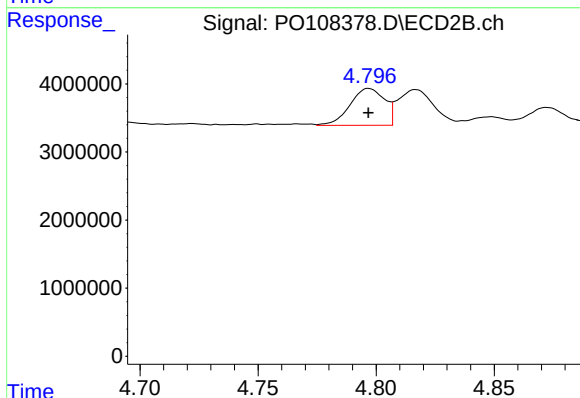
R.T.: 8.739 min
Delta R.T.: -0.002 min
Response: 21478364
Conc: 5.18 ng/ml



#21 AR-1248-1

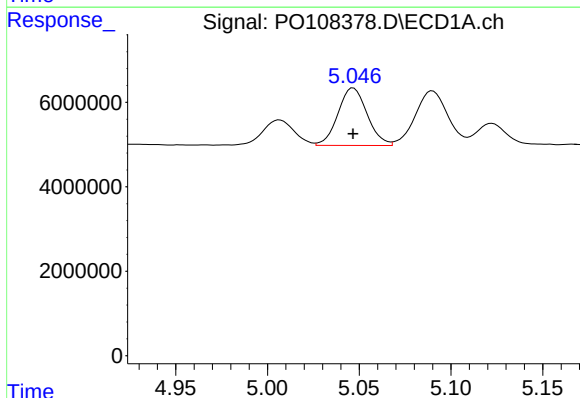
R.T.: 4.807 min
Delta R.T.: 0.000 min
Response: 10841588
Conc: 54.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



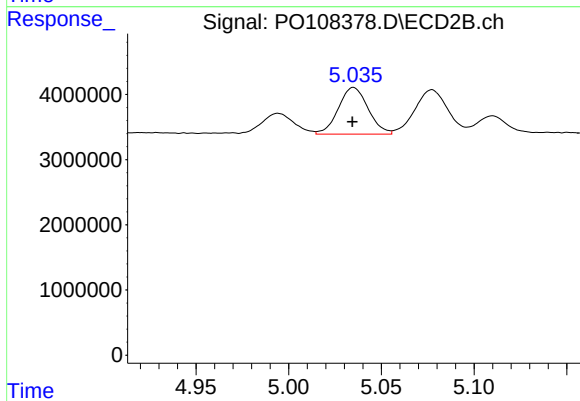
#21 AR-1248-1

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 5527464
Conc: 52.04 ng/ml



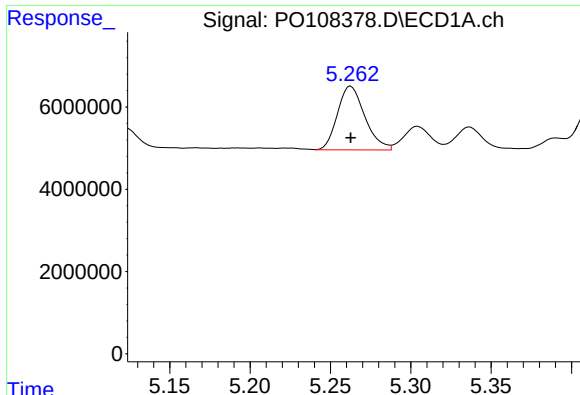
#22 AR-1248-2

R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 15088946
Conc: 54.49 ng/ml



#22 AR-1248-2

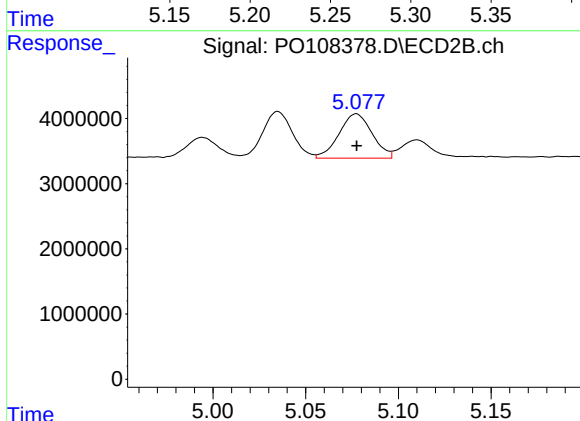
R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 7988873
Conc: 53.18 ng/ml



#23 AR-1248-3

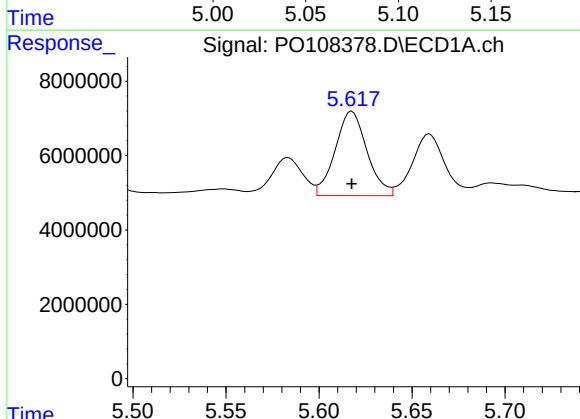
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 18344955
Conc: 53.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



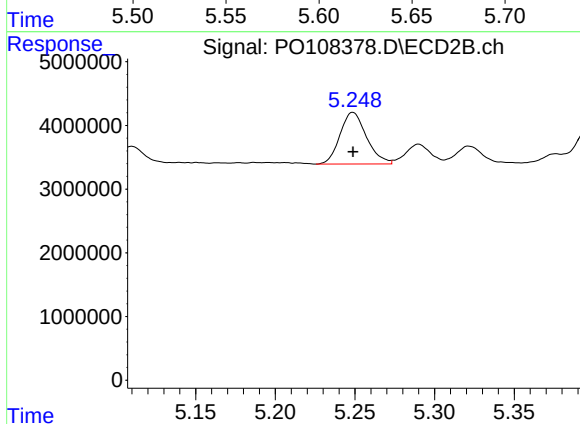
#23 AR-1248-3

R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 8442914
Conc: 52.86 ng/ml



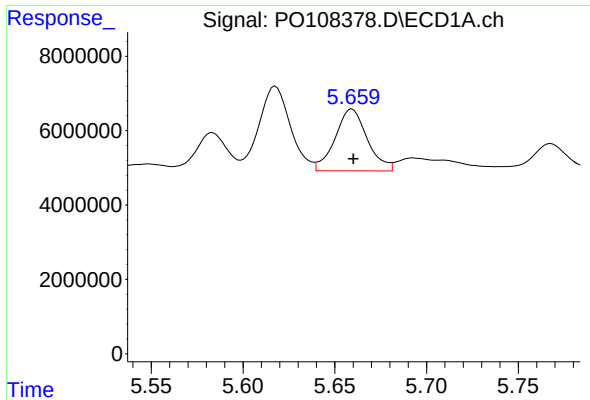
#24 AR-1248-4

R.T.: 5.618 min
Delta R.T.: 0.000 min
Response: 27084474
Conc: 56.49 ng/ml



#24 AR-1248-4

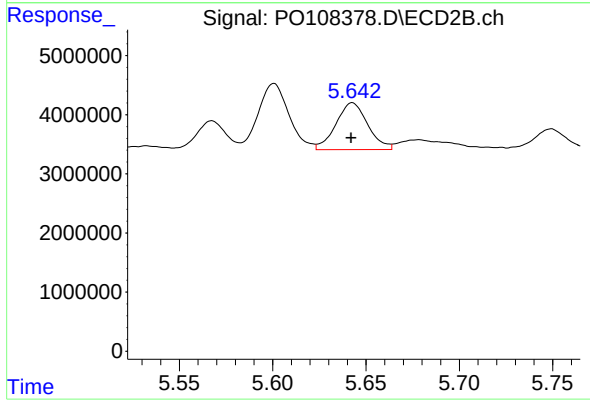
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 9427231
Conc: 51.01 ng/ml



#25 AR-1248-5

R.T.: 5.659 min
Delta R.T.: 0.000 min
Response: 20310729
Conc: 59.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



#25 AR-1248-5

R.T.: 5.643 min
Delta R.T.: 0.000 min
Response: 9433171
Conc: 53.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:44
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 04:55:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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...	3.709	3.708	44979145	24991936	4.743	4.656
2) SA Decachlor...	8.786	8.738	41446440	21658098	5.283	5.085
Target Compounds						
26) L6 AR-1254-1	5.619	5.602	29499091	15172054	57.612	56.354
27) L6 AR-1254-2	5.768	5.749	26615835	13582944	58.769	56.887
28) L6 AR-1254-3	6.175	6.153	39577166	19696275	54.478	51.772
29) L6 AR-1254-4	6.404	6.380	24247164	11443812	54.578	51.897
30) L6 AR-1254-5	6.826	6.799	34671057	16988687	54.506	51.951

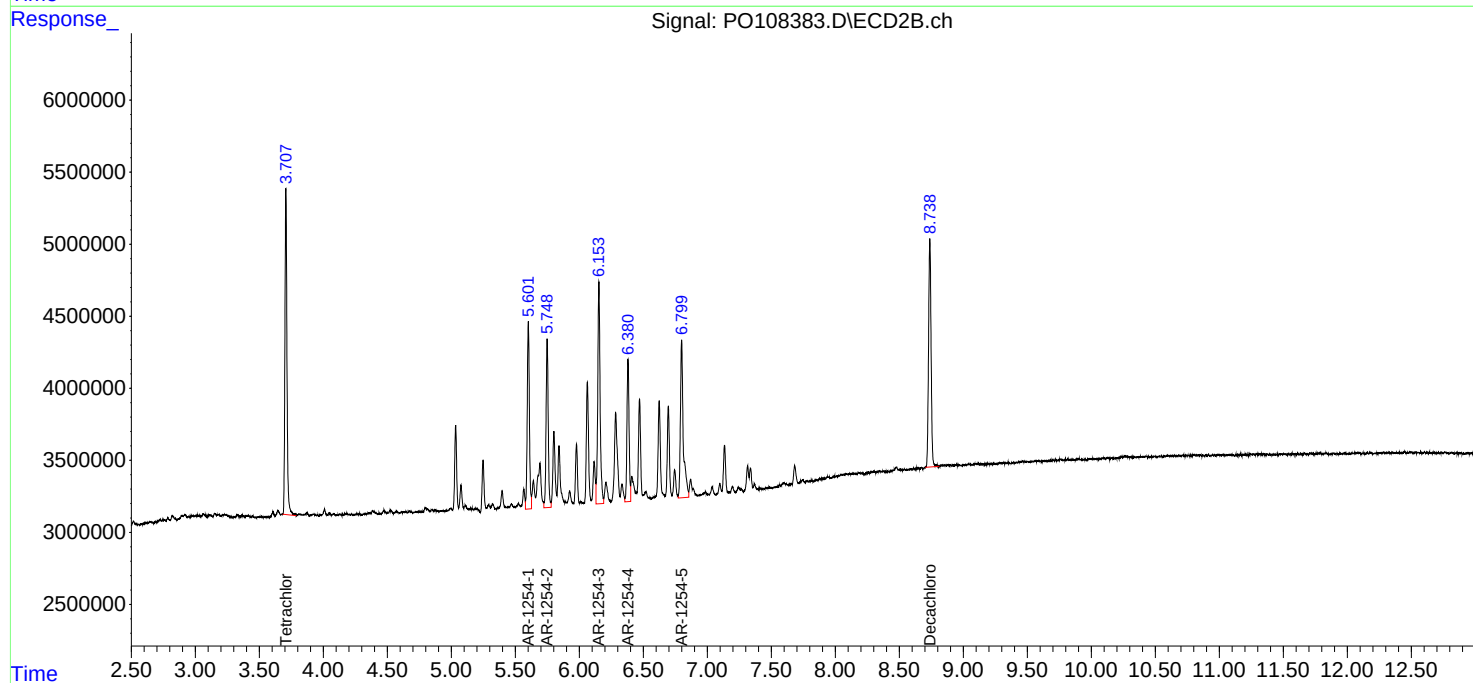
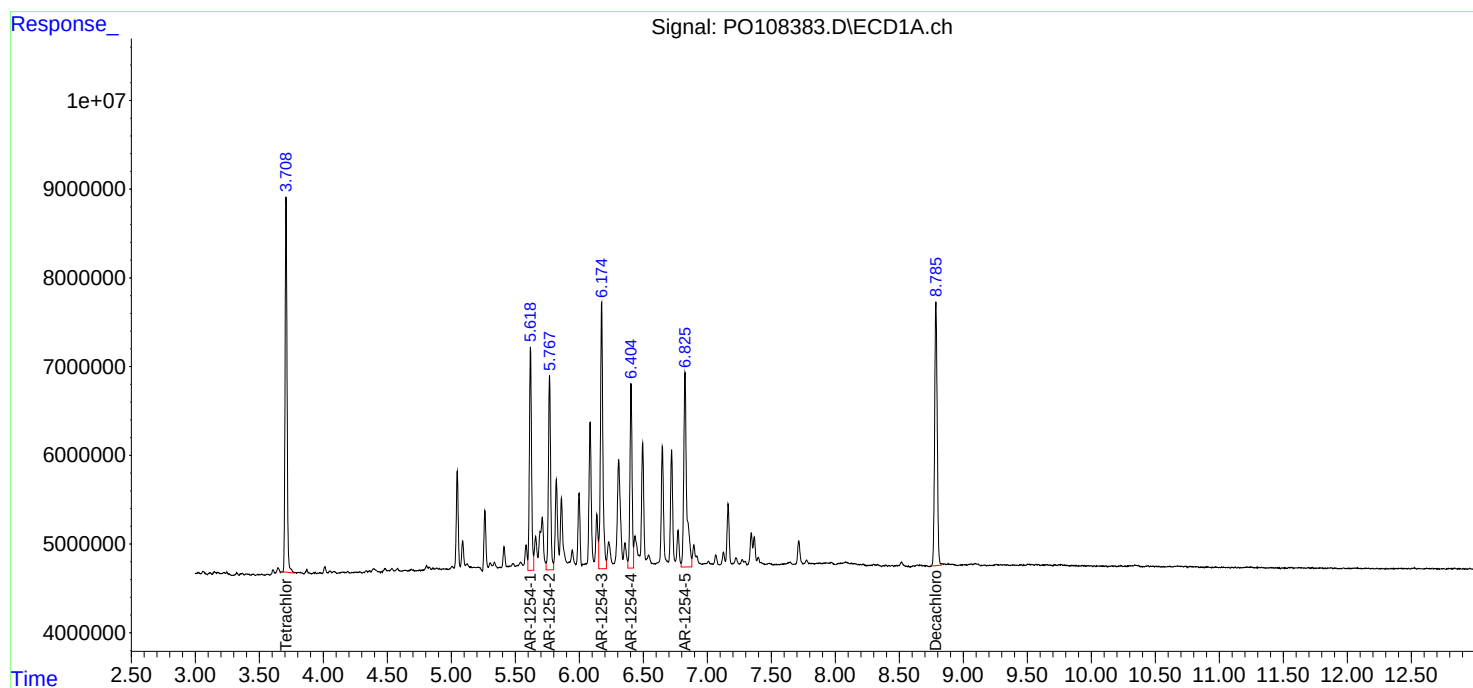
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

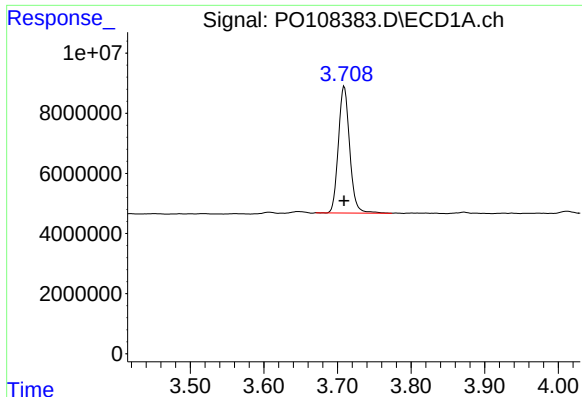
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:44
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 04:55:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 04:53:30 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

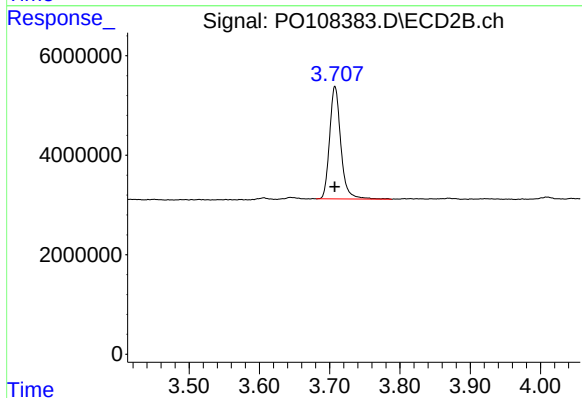




#1 Tetrachloro-m-xylene

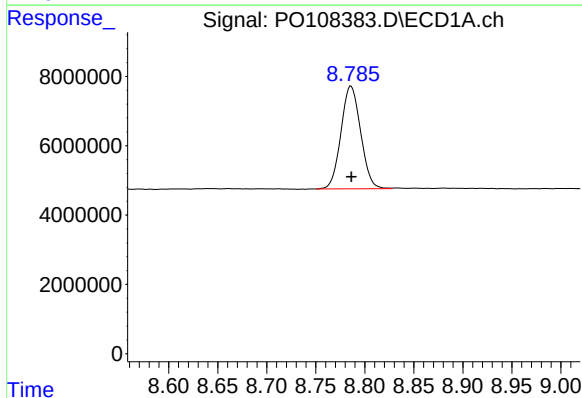
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 44979145
Conc: 4.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



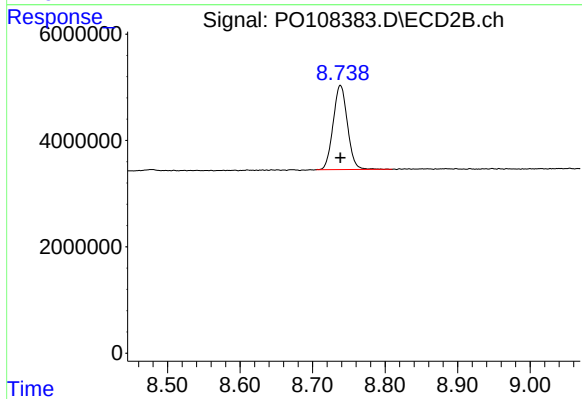
#1 Tetrachloro-m-xylene

R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 24991936
Conc: 4.66 ng/ml



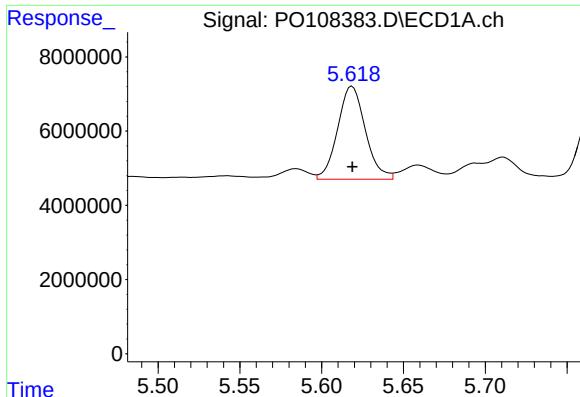
#2 Decachlorobiphenyl

R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 41446440
Conc: 5.28 ng/ml



#2 Decachlorobiphenyl

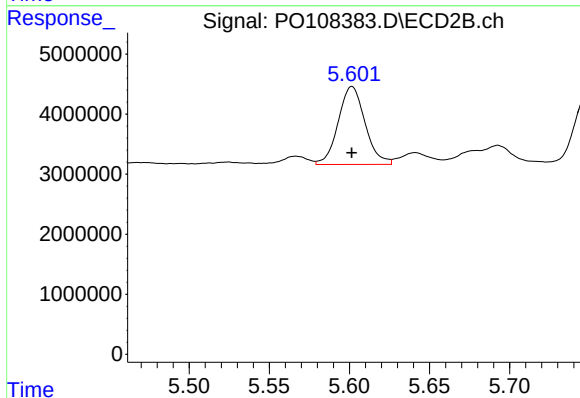
R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 21658098
Conc: 5.09 ng/ml



#26 AR-1254-1

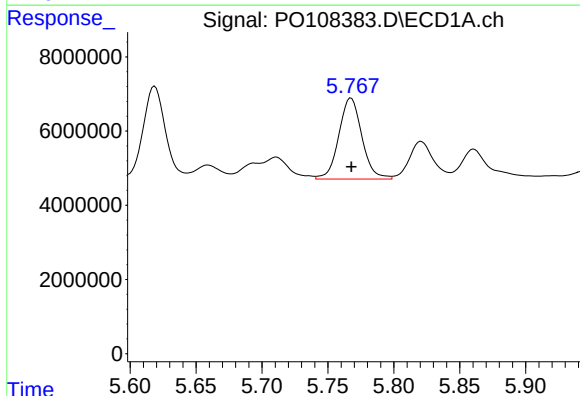
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 29499091
Conc: 57.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



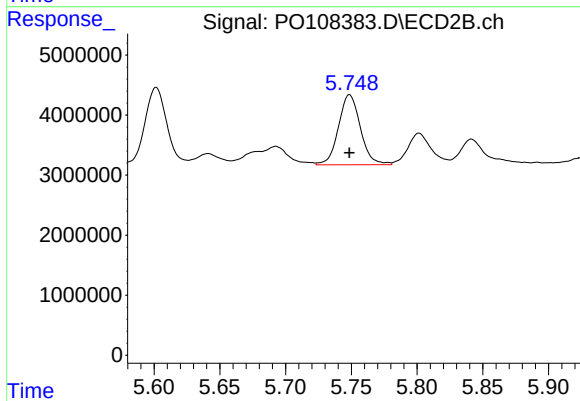
#26 AR-1254-1

R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 15172054
Conc: 56.35 ng/ml



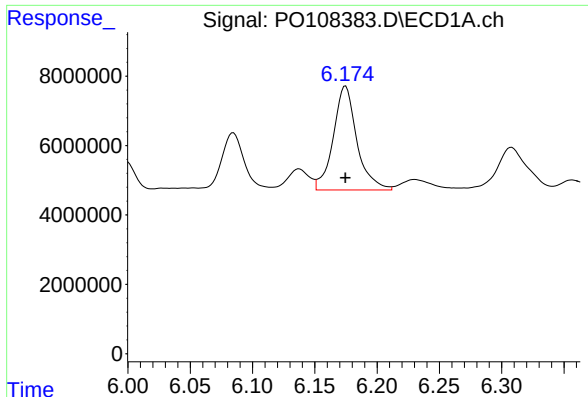
#27 AR-1254-2

R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 26615835
Conc: 58.77 ng/ml



#27 AR-1254-2

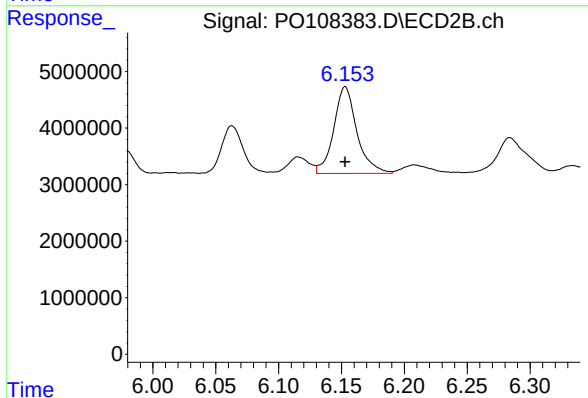
R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 13582944
Conc: 56.89 ng/ml



#28 AR-1254-3

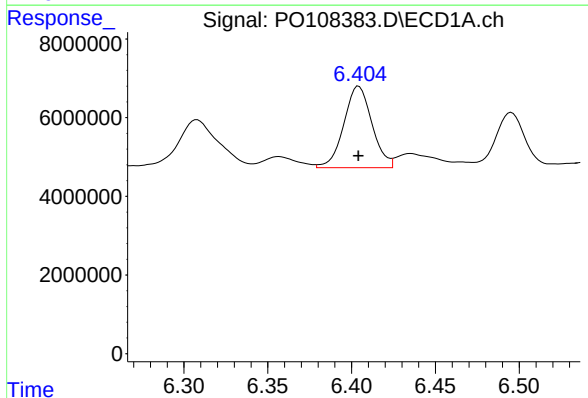
R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 39577166
Conc: 54.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



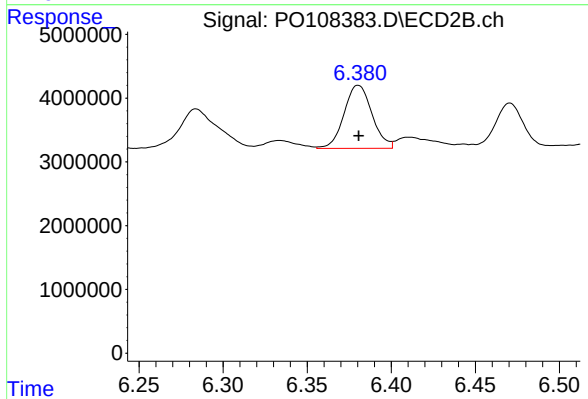
#28 AR-1254-3

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 19696275
Conc: 51.77 ng/ml



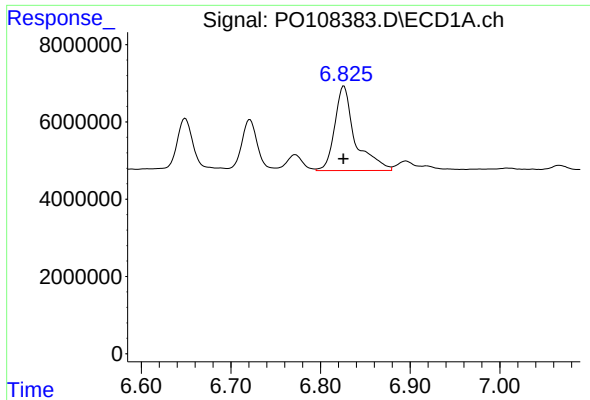
#29 AR-1254-4

R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 24247164
Conc: 54.58 ng/ml



#29 AR-1254-4

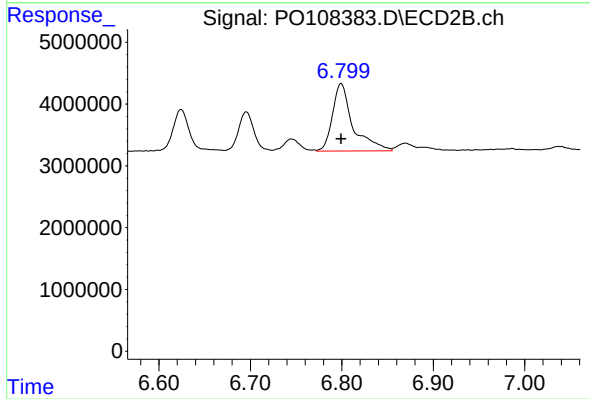
R.T.: 6.380 min
Delta R.T.: 0.000 min
Response: 11443812
Conc: 51.90 ng/ml



#30 AR-1254-5

R.T.: 6.826 min
Delta R.T.: 0.000 min
Response: 34671057
Conc: 54.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



#30 AR-1254-5

R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 16988687
Conc: 51.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0122624\
Data File : P0108758.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 09:31
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: Dec 26 13:17:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	508.4E6	276.3E6	58.439	54.502
2)	SA Decachlor...	8.768	8.717	353.5E6	200.4E6	48.402	51.717
Target Compounds							
3)	L1 AR-1016-1	4.819	4.805	231.9E6	117.9E6	751.784	734.474
4)	L1 AR-1016-2	4.819	4.805	231.9E6	117.9E6	555.516	530.698
5)	L1 AR-1016-3	4.875	4.981	165.8E6	65581081	566.504	521.173
6)	L1 AR-1016-4	4.996	5.022	128.2E6	54189024	554.665	517.042
7)	L1 AR-1016-5	5.254	5.236	137.2E6	72832421	545.163	538.657
8)	L2 AR-1221-1	3.916	3.910	18419910	9707580	162.801	156.265
9)	L2 AR-1221-2	4.004	3.998	27808324	14661433	320.667	309.020
10)	L2 AR-1221-3	4.081	4.073	91636073	49625805	360.480	352.990
11)	L3 AR-1232-1	4.081	4.073	91636073	49625805	447.507	442.883
12)	L3 AR-1232-2	4.576	4.805	130.5E6	117.9E6	1141.003	1114.513
13)	L3 AR-1232-3	4.819	4.981	231.9E6	65581081	1174.230	1086.730
14)	L3 AR-1232-4	4.996	5.065	128.2E6	66858767	1183.115	1203.438
15)	L3 AR-1232-5	5.038	5.236	104.2E6	72832421	1330.075	1264.975
16)	L4 AR-1242-1	4.799	4.805	167.1E6	117.9E6	649.251	868.130 #
17)	L4 AR-1242-2	4.819	4.805	231.9E6	117.9E6	671.809	635.530
18)	L4 AR-1242-3	4.875	4.981	165.8E6	65581081	687.267	622.315
19)	L4 AR-1242-4	4.996	5.065	128.2E6	66858767	672.345	622.935
20)	L4 AR-1242-5	5.650	5.588	37173640	70826624	179.003	560.337 #
21)	L5 AR-1248-1	4.799	4.805	167.1E6	117.9E6	834.204	1121.246 #
22)	L5 AR-1248-2	5.038	5.022	104.2E6	54189024	375.864	362.887
23)	L5 AR-1248-3	5.254	5.065	137.2E6	66858767	402.350	422.057
24)	L5 AR-1248-4	5.609	5.236	135.3E6	72832421	283.859	398.971 #
25)	L5 AR-1248-5	5.650	5.629	37173640	19133074	109.783	108.956
26)	L6 AR-1254-1	5.609	5.588	135.3E6	70826624	263.349	261.515
27)	L6 AR-1254-2	5.758	5.735	97303029	51338426	213.638	213.892
28)	L6 AR-1254-3	6.180	6.155	225.3E6	106.9E6	312.803	284.766
29)	L6 AR-1254-4	6.394	6.396	28938912	30766344	65.948	141.339 #
30)	L6 AR-1254-5	6.813	6.783	304.0E6	160.4E6	478.629	496.843
31)	L7 AR-1260-1	6.296	6.269	243.6E6	126.4E6	532.907	539.927
32)	L7 AR-1260-2	6.484	6.456	289.0E6	149.7E6	520.068	533.551
33)	L7 AR-1260-3	6.854	6.610	235.7E6	138.5E6	508.278	525.428
34)	L7 AR-1260-4	7.114	7.118	212.8E6	14112885	500.338	66.335 #
35)	L7 AR-1260-5	7.355	7.321	490.9E6	263.7E6	505.135	544.966
36)	L8 AR-1262-1	6.854	6.823	235.7E6	124.8E6	357.957	369.198
37)	L8 AR-1262-2	7.355	7.321	490.9E6	263.7E6	441.603	461.179
38)	L8 AR-1262-3	7.642	7.606	115.8E6	54262520	265.085	241.782
39)	L8 AR-1262-4	7.704	7.669	340.6E6	185.3E6	422.384	452.424
40)	L8 AR-1262-5	8.202	8.162	120.3E6	66302564	338.861	358.726
41)	L9 AR-1268-1	7.642	7.606	115.8E6	54262520	93.089	84.008

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108758.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 09:31
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

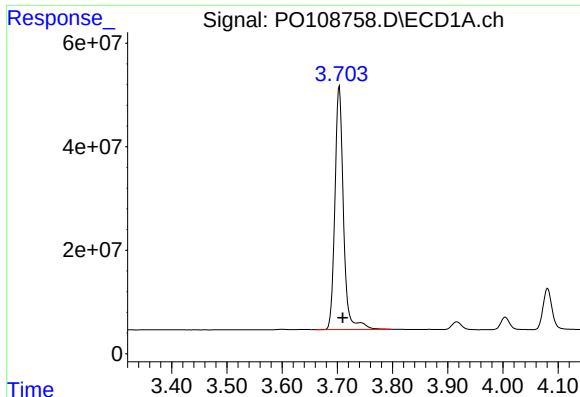
Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 13:17:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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
42)	L9 AR-1268-2	7.704	7.669	340.6E6	185.3E6	303.628	318.657
43)	L9 AR-1268-3	7.915	7.878	8017156	3424962	8.847	6.865
44)	L9 AR-1268-4	8.202	8.162	120.3E6	66302564	310.863	326.551
45)	L9 AR-1268-5	8.502	8.458	34620612	14645511	12.489	9.863

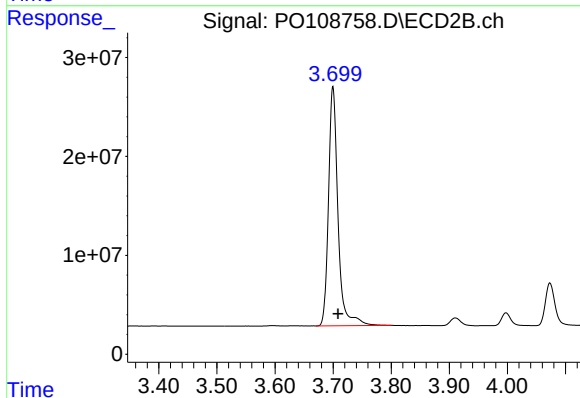
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

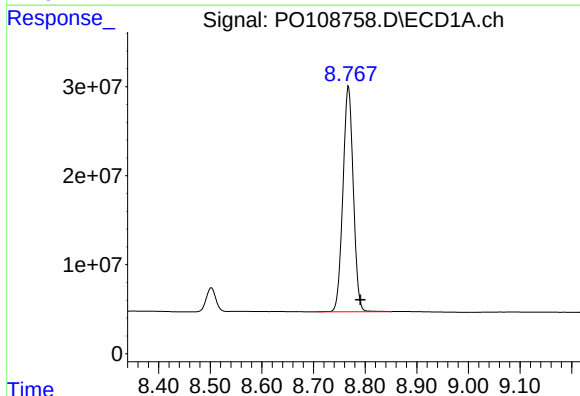
R.T.: 3.703 min
Delta R.T.: -0.007 min
Response: 508430498
Conc: 58.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



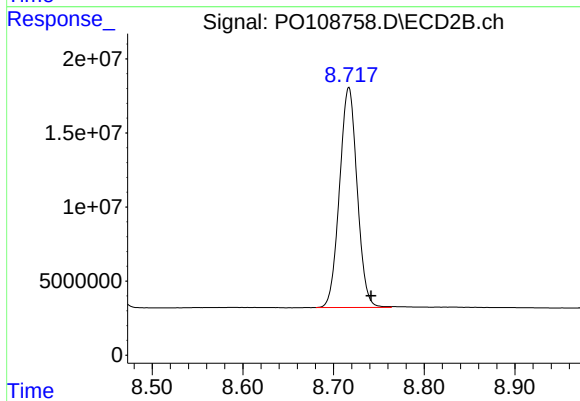
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.009 min
Response: 276291804
Conc: 54.50 ng/ml



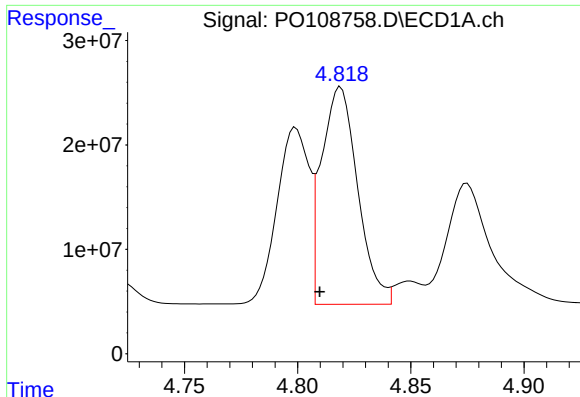
#2 Decachlorobiphenyl

R.T.: 8.768 min
Delta R.T.: -0.023 min
Response: 353533229
Conc: 48.40 ng/ml



#2 Decachlorobiphenyl

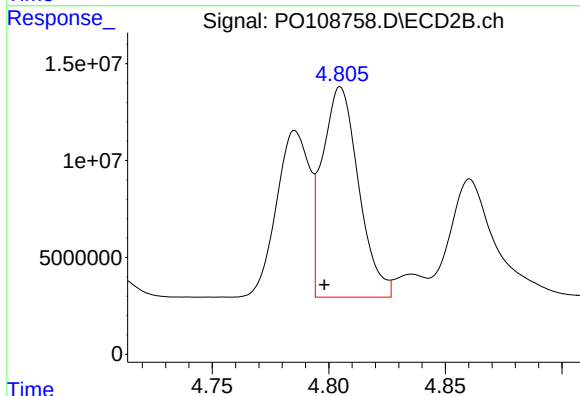
R.T.: 8.717 min
Delta R.T.: -0.024 min
Response: 200401021
Conc: 51.72 ng/ml



#3 AR-1016-1

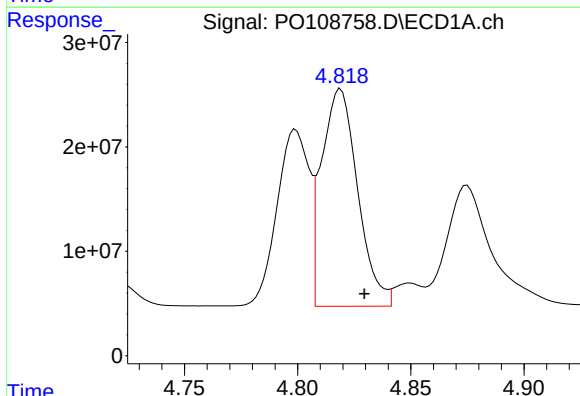
R.T.: 4.819 min
Delta R.T.: 0.009 min
Response: 231882927
Conc: 751.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



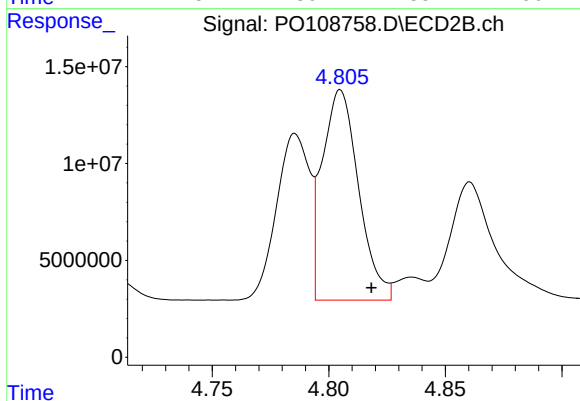
#3 AR-1016-1

R.T.: 4.805 min
Delta R.T.: 0.007 min
Response: 117864229
Conc: 734.47 ng/ml



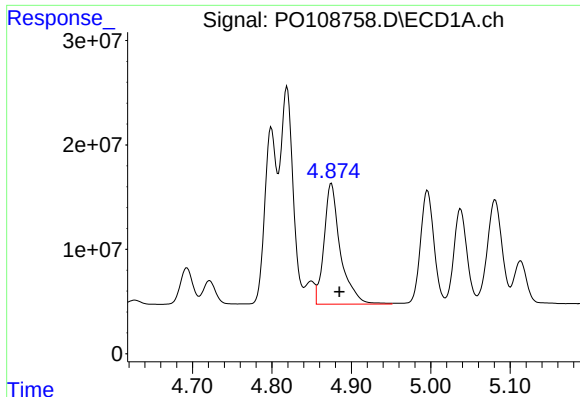
#4 AR-1016-2

R.T.: 4.819 min
Delta R.T.: -0.011 min
Response: 231882927
Conc: 555.52 ng/ml



#4 AR-1016-2

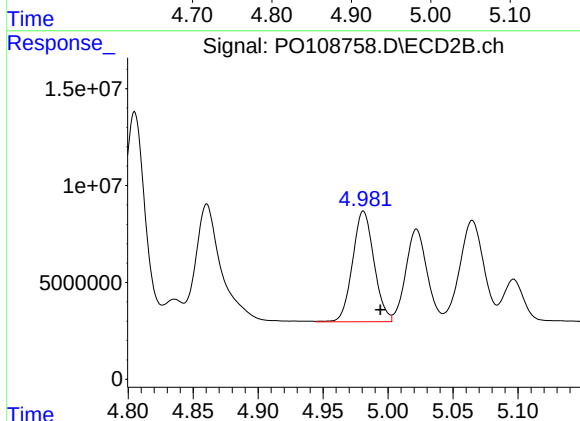
R.T.: 4.805 min
Delta R.T.: -0.013 min
Response: 117864229
Conc: 530.70 ng/ml



#5 AR-1016-3

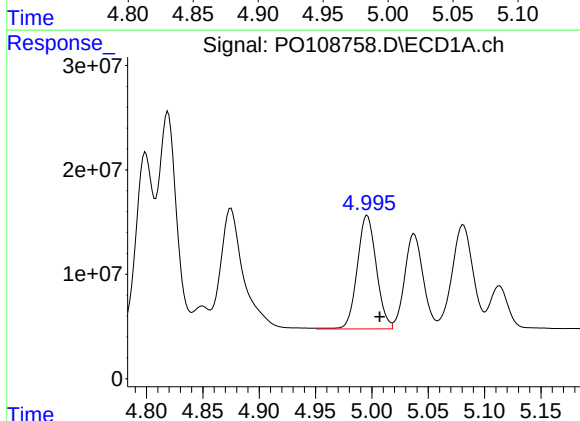
R.T.: 4.875 min
Delta R.T.: -0.010 min
Response: 165776872
Conc: 566.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



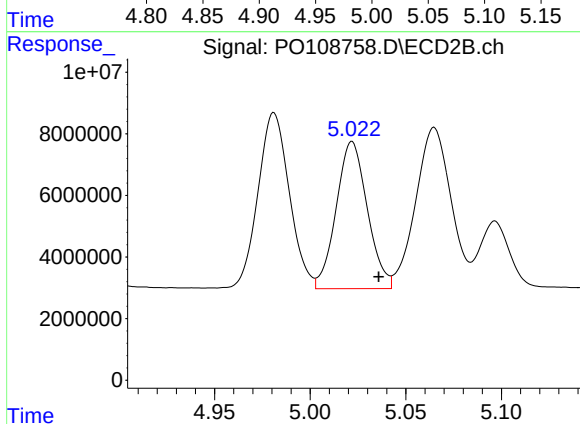
#5 AR-1016-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 65581081
Conc: 521.17 ng/ml



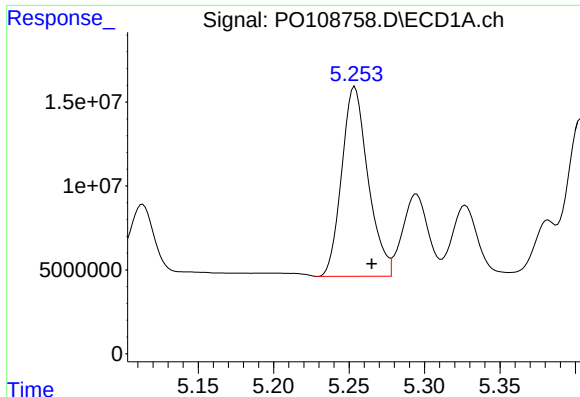
#6 AR-1016-4

R.T.: 4.996 min
Delta R.T.: -0.011 min
Response: 128225703
Conc: 554.66 ng/ml



#6 AR-1016-4

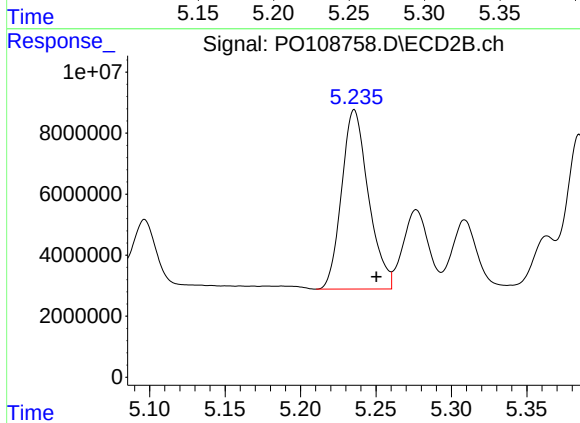
R.T.: 5.022 min
Delta R.T.: -0.014 min
Response: 54189024
Conc: 517.04 ng/ml



#7 AR-1016-5

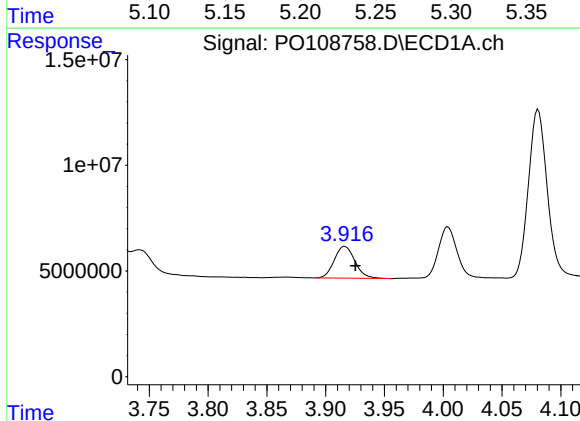
R.T.: 5.254 min
Delta R.T.: -0.011 min
Response: 137201161
Conc: 545.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



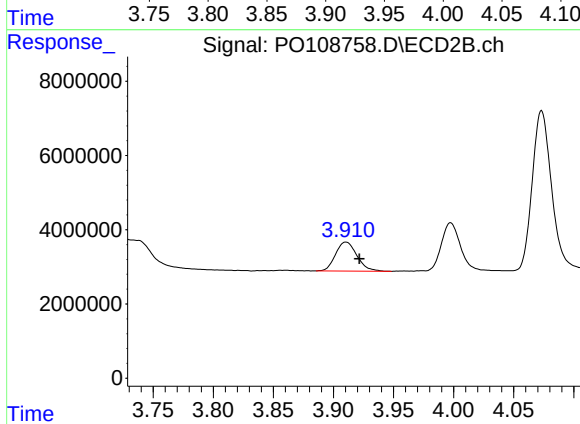
#7 AR-1016-5

R.T.: 5.236 min
Delta R.T.: -0.014 min
Response: 72832421
Conc: 538.66 ng/ml



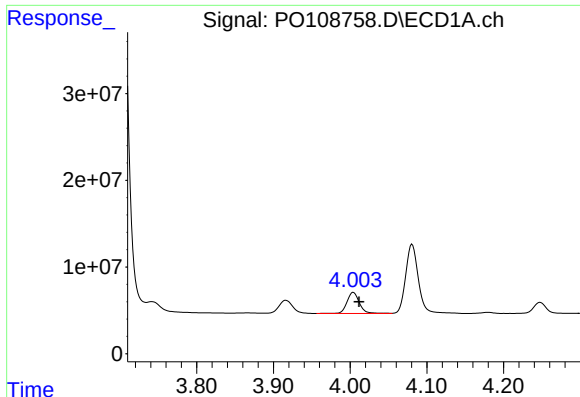
#8 AR-1221-1

R.T.: 3.916 min
Delta R.T.: -0.009 min
Response: 18419910
Conc: 162.80 ng/ml



#8 AR-1221-1

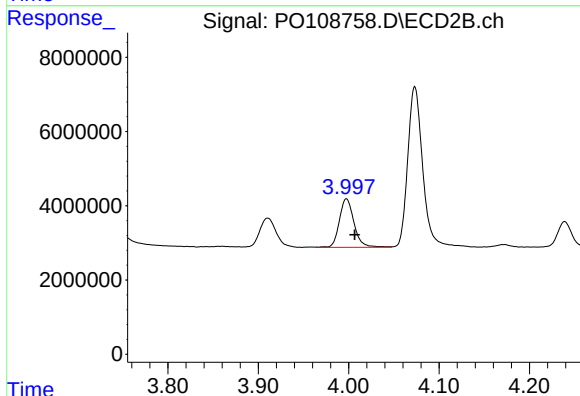
R.T.: 3.910 min
Delta R.T.: -0.011 min
Response: 9707580
Conc: 156.27 ng/ml



#9 AR-1221-2

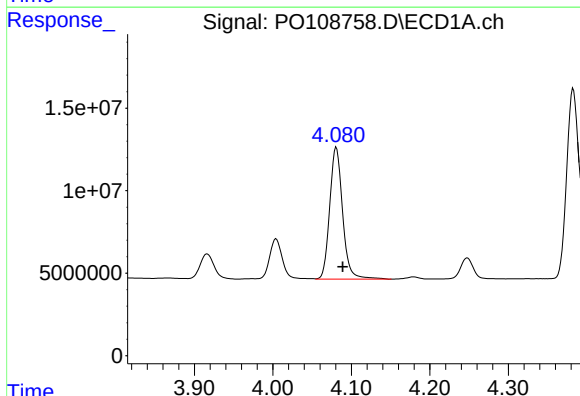
R.T.: 4.004 min
Delta R.T.: -0.007 min
Response: 27808324
Conc: 320.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



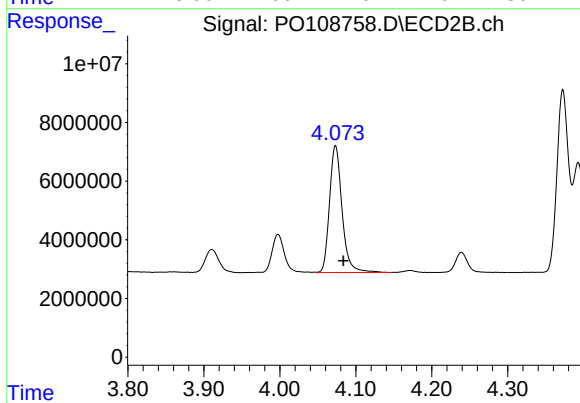
#9 AR-1221-2

R.T.: 3.998 min
Delta R.T.: -0.009 min
Response: 14661433
Conc: 309.02 ng/ml



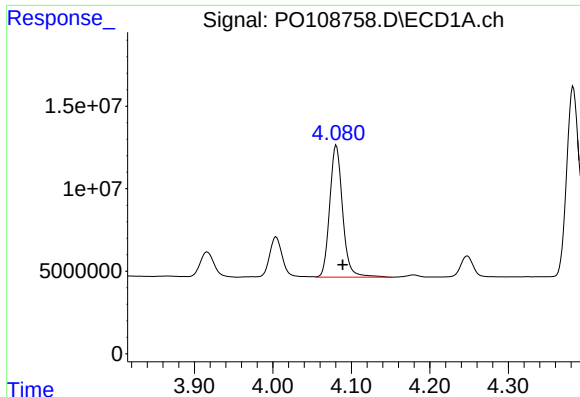
#10 AR-1221-3

R.T.: 4.081 min
Delta R.T.: -0.008 min
Response: 91636073
Conc: 360.48 ng/ml



#10 AR-1221-3

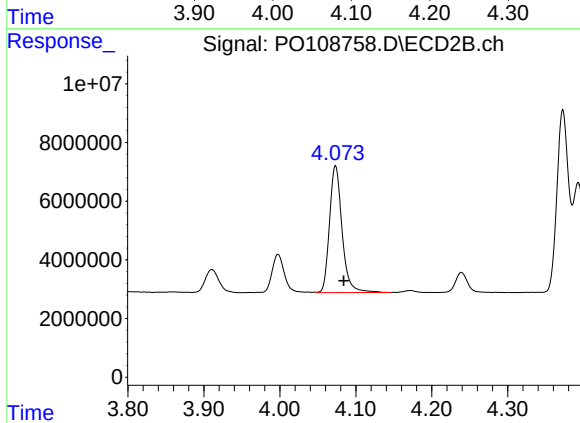
R.T.: 4.073 min
Delta R.T.: -0.010 min
Response: 49625805
Conc: 352.99 ng/ml



#11 AR-1232-1

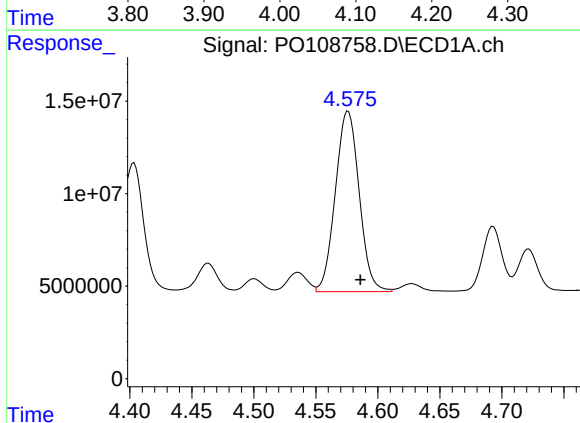
R.T.: 4.081 min
Delta R.T.: -0.008 min
Response: 91636073
Conc: 447.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



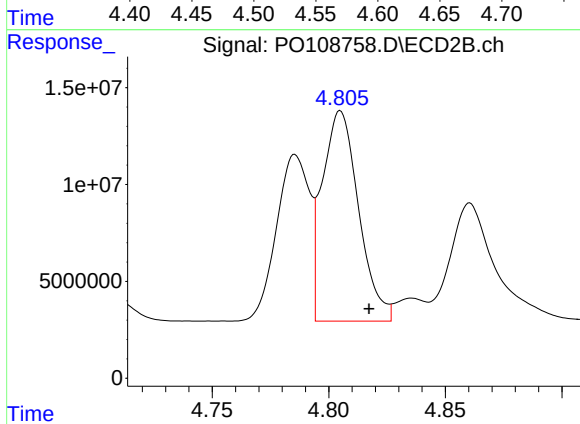
#11 AR-1232-1

R.T.: 4.073 min
Delta R.T.: -0.011 min
Response: 49625805
Conc: 442.88 ng/ml



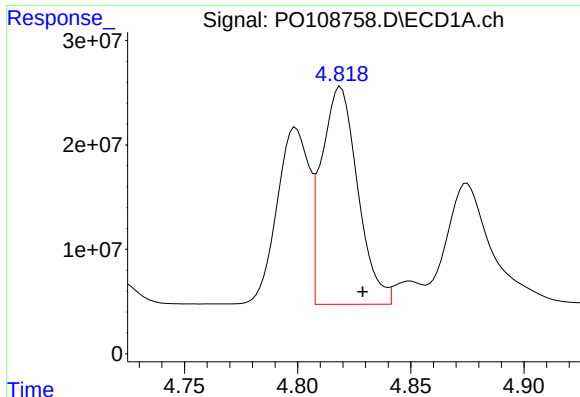
#12 AR-1232-2

R.T.: 4.576 min
Delta R.T.: -0.010 min
Response: 130477657
Conc: 1141.00 ng/ml



#12 AR-1232-2

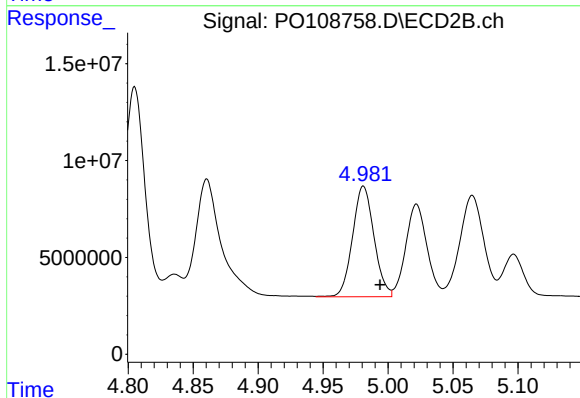
R.T.: 4.805 min
Delta R.T.: -0.012 min
Response: 117864229
Conc: 1114.51 ng/ml



#13 AR-1232-3

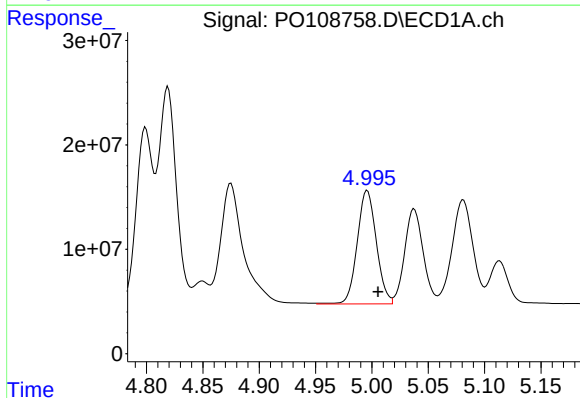
R.T.: 4.819 min
Delta R.T.: -0.010 min
Response: 231882927
Conc: 1174.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



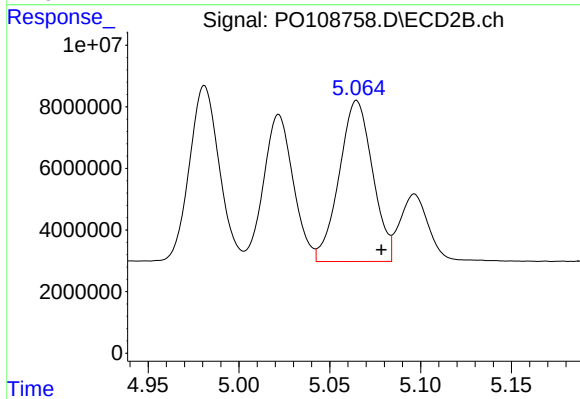
#13 AR-1232-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 65581081
Conc: 1086.73 ng/ml



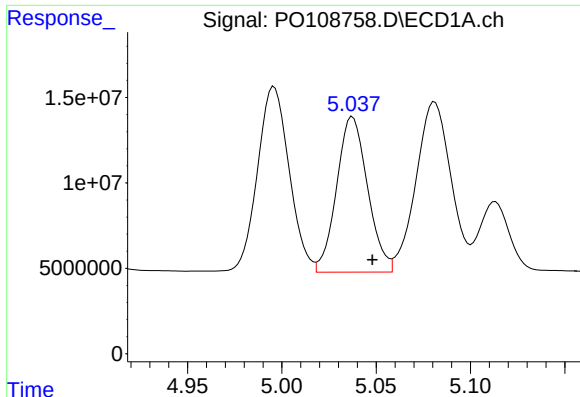
#14 AR-1232-4

R.T.: 4.996 min
Delta R.T.: -0.010 min
Response: 128225703
Conc: 1183.12 ng/ml



#14 AR-1232-4

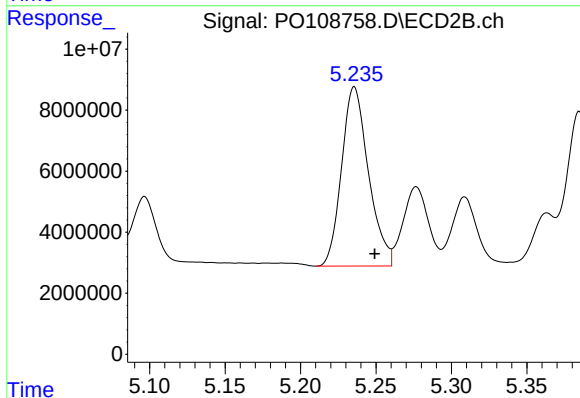
R.T.: 5.065 min
Delta R.T.: -0.014 min
Response: 66858767
Conc: 1203.44 ng/ml



#15 AR-1232-5

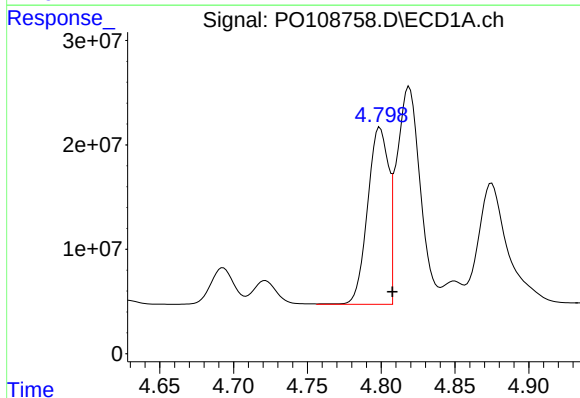
R.T.: 5.038 min
Delta R.T.: -0.010 min
Response: 104184044
Conc: 1330.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



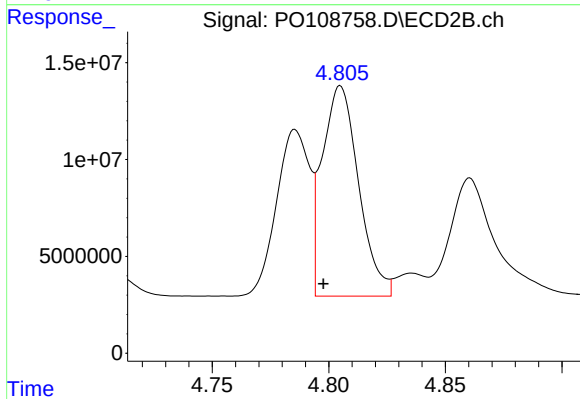
#15 AR-1232-5

R.T.: 5.236 min
Delta R.T.: -0.014 min
Response: 72832421
Conc: 1264.97 ng/ml



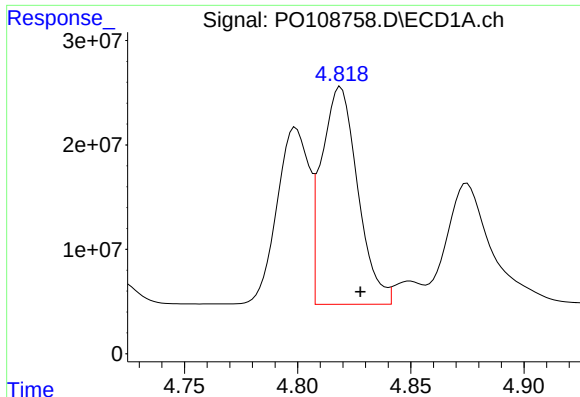
#16 AR-1242-1

R.T.: 4.799 min
Delta R.T.: -0.008 min
Response: 167068502
Conc: 649.25 ng/ml



#16 AR-1242-1

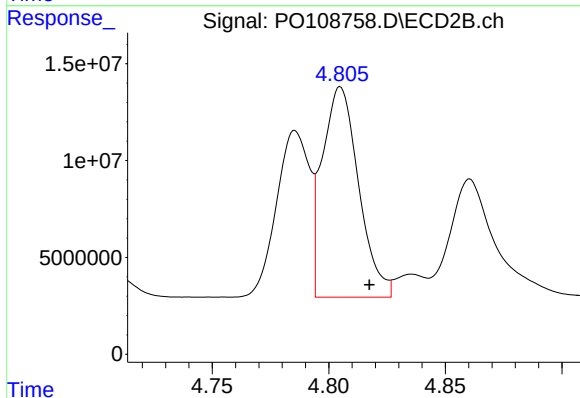
R.T.: 4.805 min
Delta R.T.: 0.007 min
Response: 117864229
Conc: 868.13 ng/ml



#17 AR-1242-2

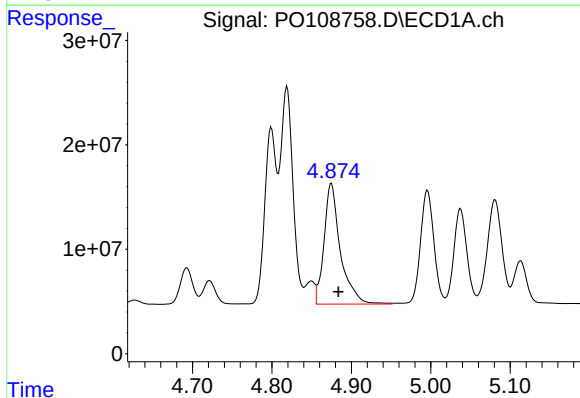
R.T.: 4.819 min
Delta R.T.: -0.009 min
Response: 231882927
Conc: 671.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



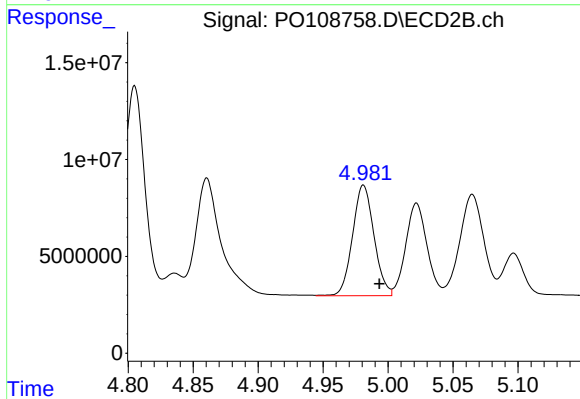
#17 AR-1242-2

R.T.: 4.805 min
Delta R.T.: -0.012 min
Response: 117864229
Conc: 635.53 ng/ml



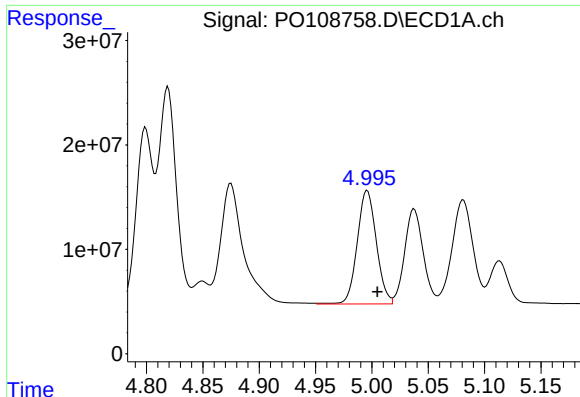
#18 AR-1242-3

R.T.: 4.875 min
Delta R.T.: -0.009 min
Response: 165776872
Conc: 687.27 ng/ml



#18 AR-1242-3

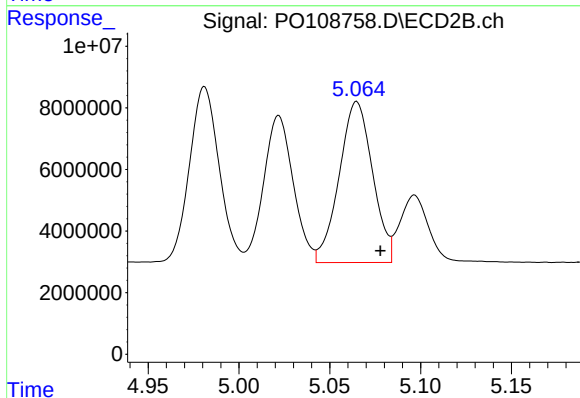
R.T.: 4.981 min
Delta R.T.: -0.012 min
Response: 65581081
Conc: 622.32 ng/ml



#19 AR-1242-4

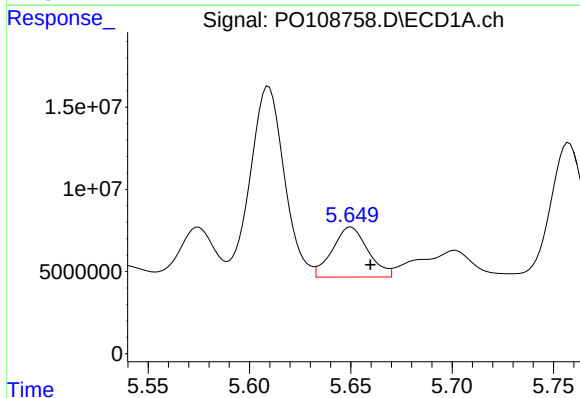
R.T.: 4.996 min
Delta R.T.: -0.009 min
Response: 128225703
Conc: 672.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



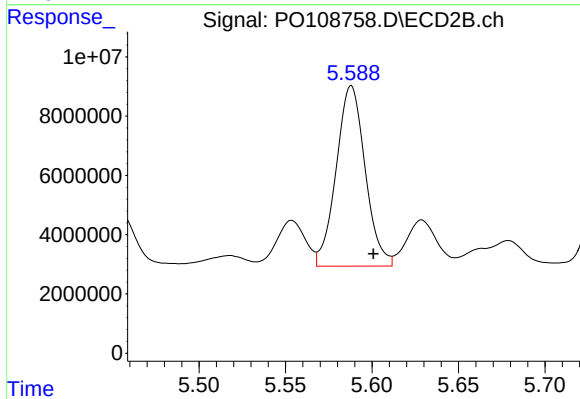
#19 AR-1242-4

R.T.: 5.065 min
Delta R.T.: -0.013 min
Response: 66858767
Conc: 622.93 ng/ml



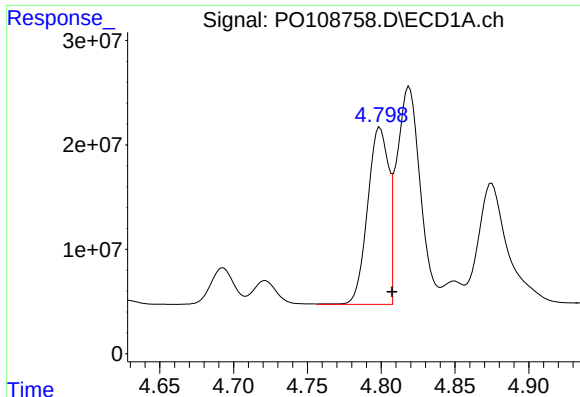
#20 AR-1242-5

R.T.: 5.650 min
Delta R.T.: -0.010 min
Response: 37173640
Conc: 179.00 ng/ml



#20 AR-1242-5

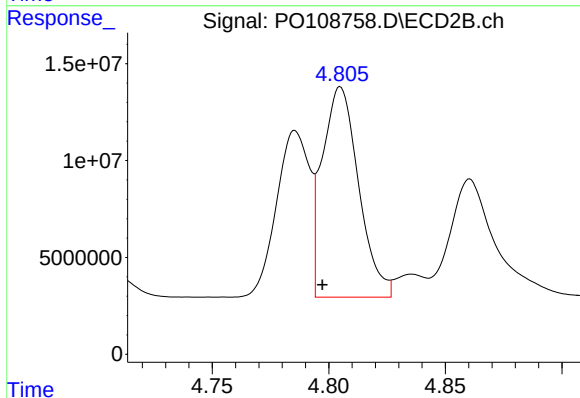
R.T.: 5.588 min
Delta R.T.: -0.013 min
Response: 70826624
Conc: 560.34 ng/ml



#21 AR-1248-1

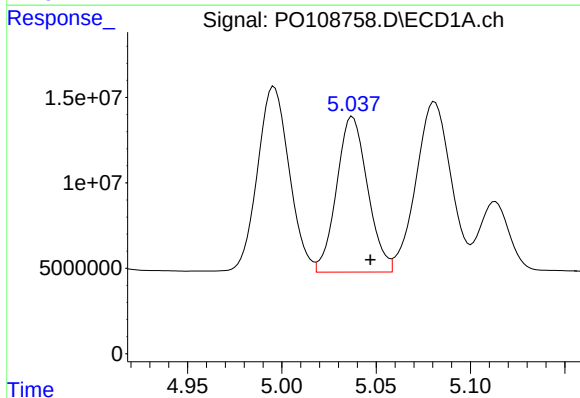
R.T.: 4.799 min
Delta R.T.: -0.008 min
Response: 167068502
Conc: 834.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



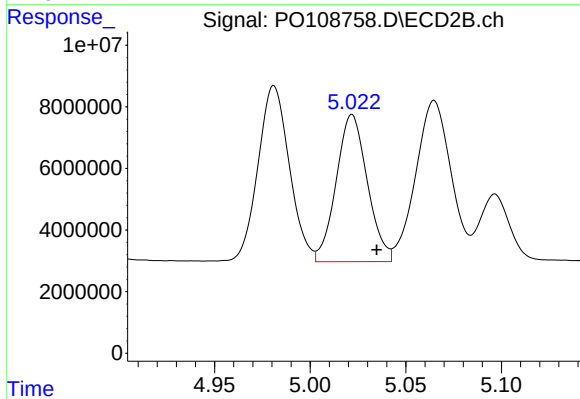
#21 AR-1248-1

R.T.: 4.805 min
Delta R.T.: 0.008 min
Response: 117864229
Conc: 1121.25 ng/ml



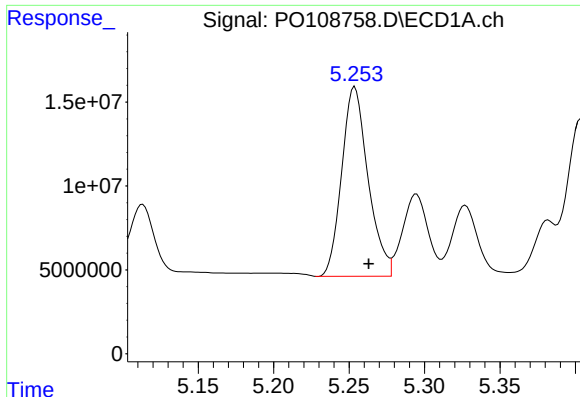
#22 AR-1248-2

R.T.: 5.038 min
Delta R.T.: -0.009 min
Response: 104184044
Conc: 375.86 ng/ml



#22 AR-1248-2

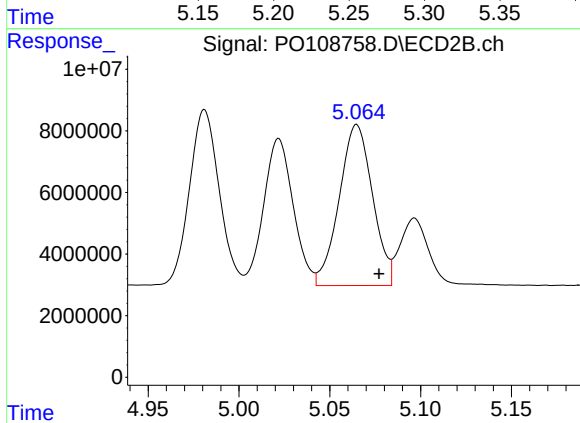
R.T.: 5.022 min
Delta R.T.: -0.013 min
Response: 54189024
Conc: 362.89 ng/ml



#23 AR-1248-3

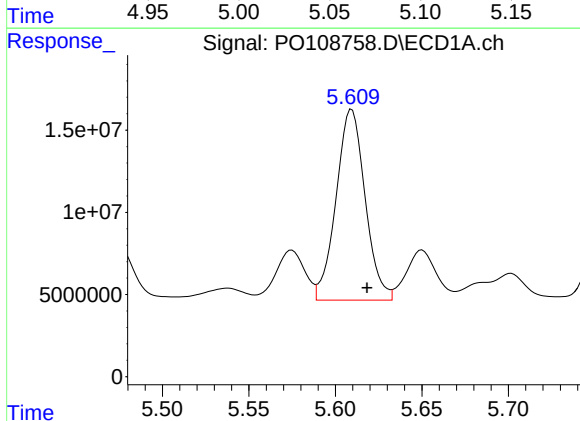
R.T.: 5.254 min
Delta R.T.: -0.009 min
Response: 137201161
Conc: 402.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



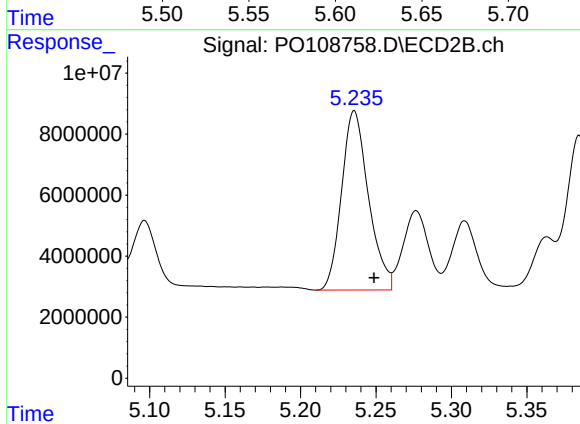
#23 AR-1248-3

R.T.: 5.065 min
Delta R.T.: -0.012 min
Response: 66858767
Conc: 422.06 ng/ml



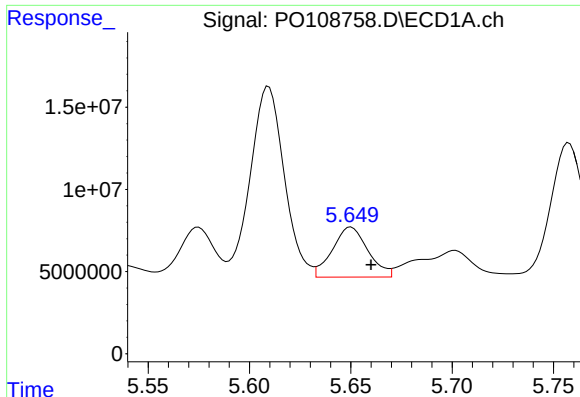
#24 AR-1248-4

R.T.: 5.609 min
Delta R.T.: -0.009 min
Response: 135266776
Conc: 283.86 ng/ml



#24 AR-1248-4

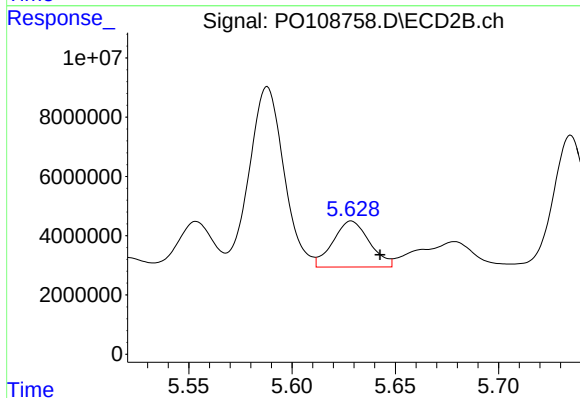
R.T.: 5.236 min
Delta R.T.: -0.013 min
Response: 72832421
Conc: 398.97 ng/ml



#25 AR-1248-5

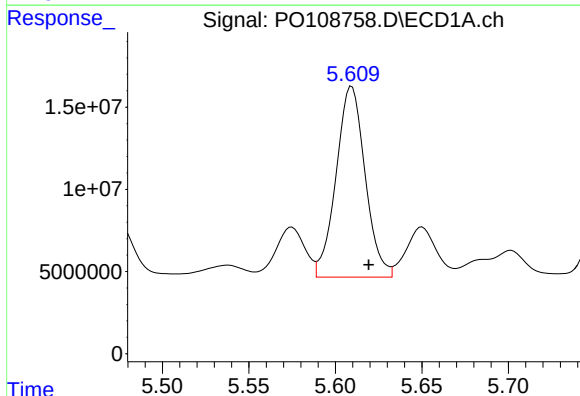
R.T.: 5.650 min
Delta R.T.: -0.010 min
Response: 37173640
Conc: 109.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



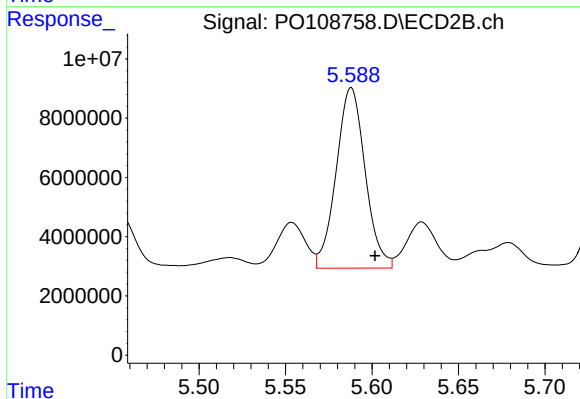
#25 AR-1248-5

R.T.: 5.629 min
Delta R.T.: -0.014 min
Response: 19133074
Conc: 108.96 ng/ml



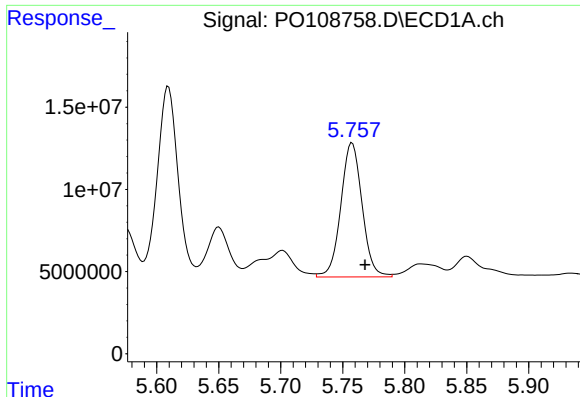
#26 AR-1254-1

R.T.: 5.609 min
Delta R.T.: -0.010 min
Response: 135266776
Conc: 263.35 ng/ml



#26 AR-1254-1

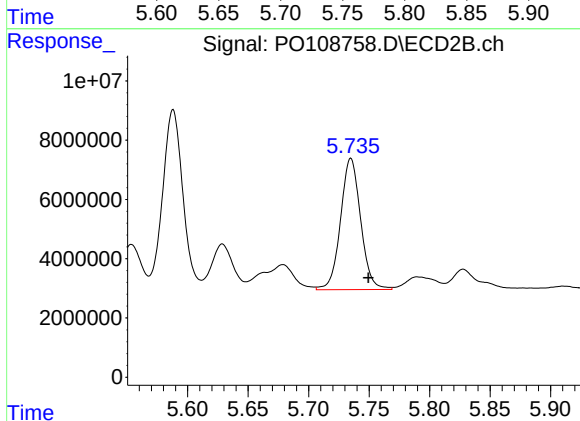
R.T.: 5.588 min
Delta R.T.: -0.014 min
Response: 70826624
Conc: 261.51 ng/ml



#27 AR-1254-2

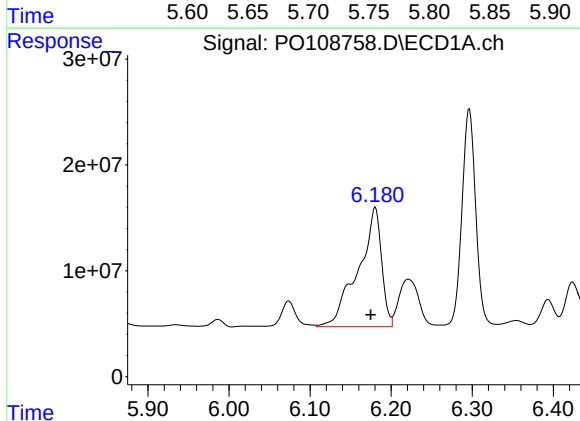
R.T.: 5.758 min
Delta R.T.: -0.011 min
Response: 97303029
Conc: 213.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



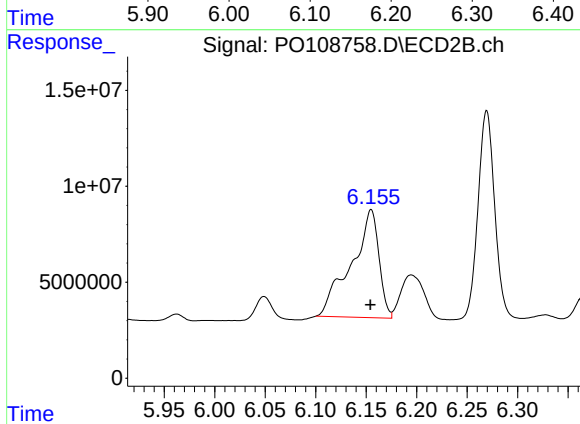
#27 AR-1254-2

R.T.: 5.735 min
Delta R.T.: -0.014 min
Response: 51338426
Conc: 213.89 ng/ml



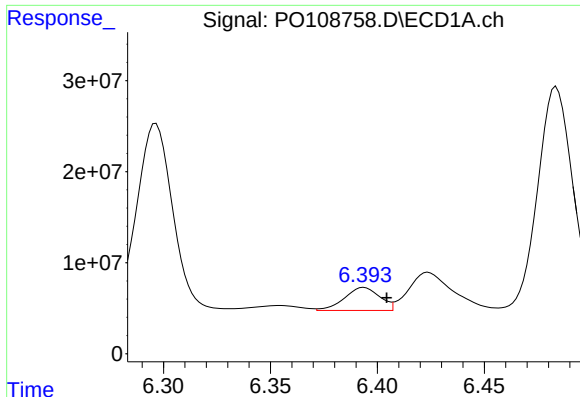
#28 AR-1254-3

R.T.: 6.180 min
Delta R.T.: 0.006 min
Response: 225258494
Conc: 312.80 ng/ml



#28 AR-1254-3

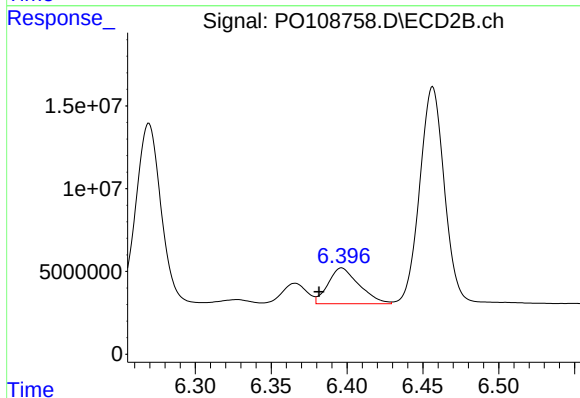
R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 106932693
Conc: 284.77 ng/ml



#29 AR-1254-4

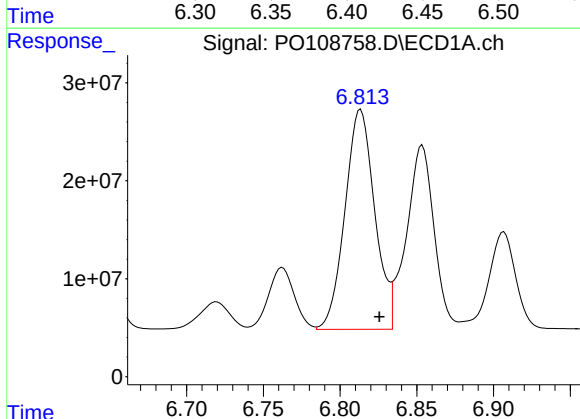
R.T.: 6.394 min
Delta R.T.: -0.011 min
Response: 28938912
Conc: 65.95 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



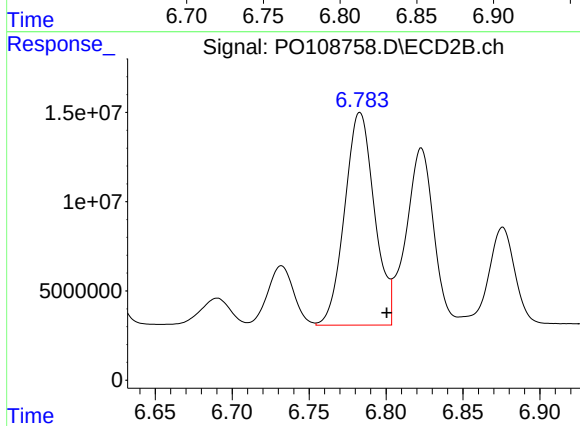
#29 AR-1254-4

R.T.: 6.396 min
Delta R.T.: 0.015 min
Response: 30766344
Conc: 141.34 ng/ml



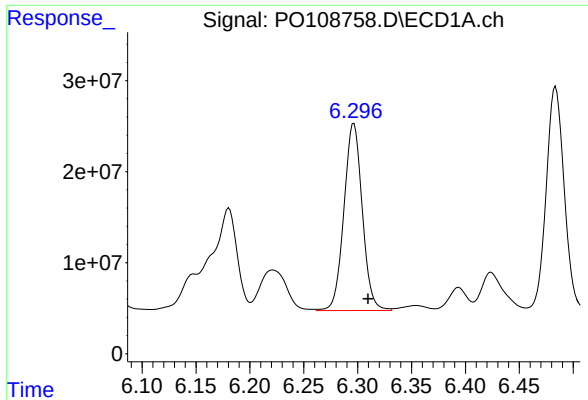
#30 AR-1254-5

R.T.: 6.813 min
Delta R.T.: -0.012 min
Response: 303988117
Conc: 478.63 ng/ml



#30 AR-1254-5

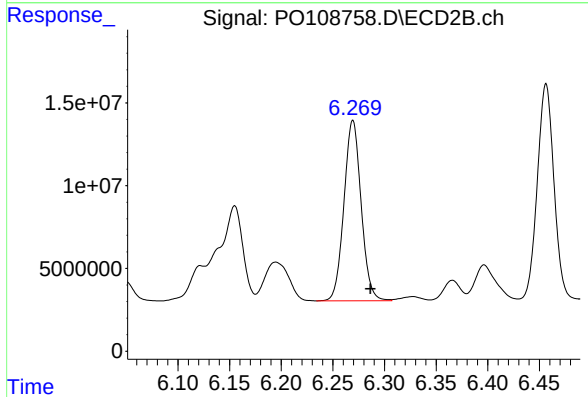
R.T.: 6.783 min
Delta R.T.: -0.017 min
Response: 160360983
Conc: 496.84 ng/ml



#31 AR-1260-1

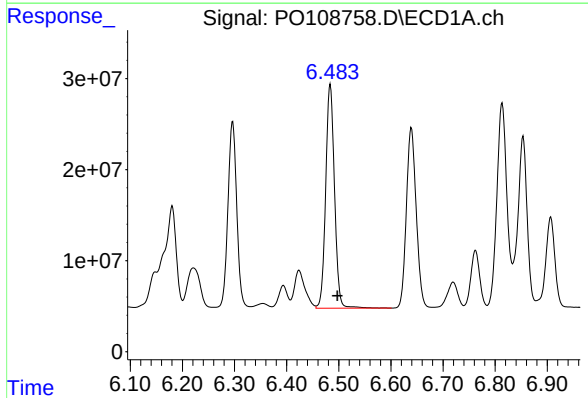
R.T.: 6.296 min
Delta R.T.: -0.013 min
Response: 243615738
Conc: 532.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



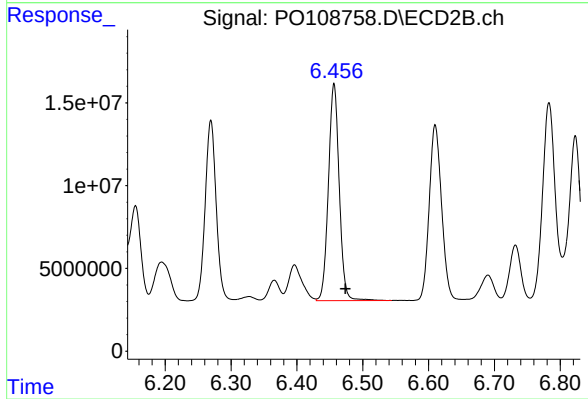
#31 AR-1260-1

R.T.: 6.269 min
Delta R.T.: -0.017 min
Response: 126362125
Conc: 539.93 ng/ml



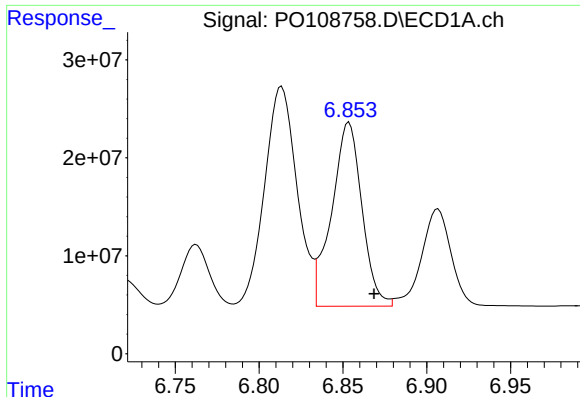
#32 AR-1260-2

R.T.: 6.484 min
Delta R.T.: -0.014 min
Response: 289011931
Conc: 520.07 ng/ml



#32 AR-1260-2

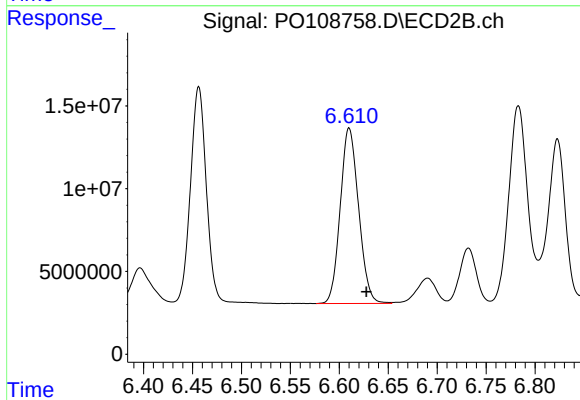
R.T.: 6.456 min
Delta R.T.: -0.017 min
Response: 149697101
Conc: 533.55 ng/ml



#33 AR-1260-3

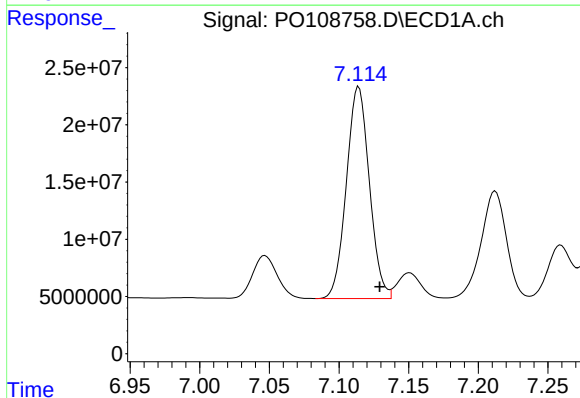
R.T.: 6.854 min
Delta R.T.: -0.015 min
Response: 235677394
Conc: 508.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



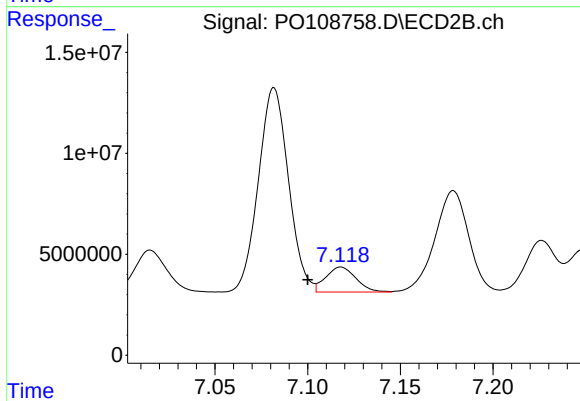
#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.018 min
Response: 138486176
Conc: 525.43 ng/ml



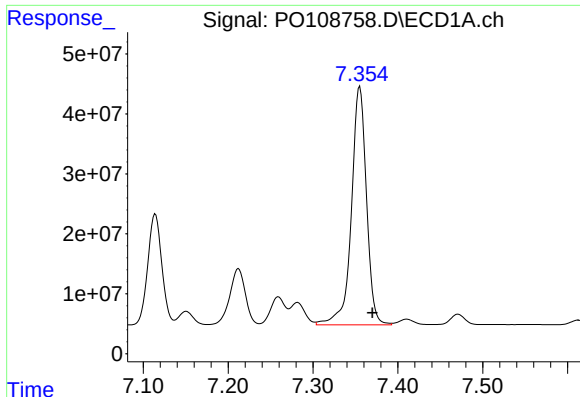
#34 AR-1260-4

R.T.: 7.114 min
Delta R.T.: -0.015 min
Response: 212813859
Conc: 500.34 ng/ml



#34 AR-1260-4

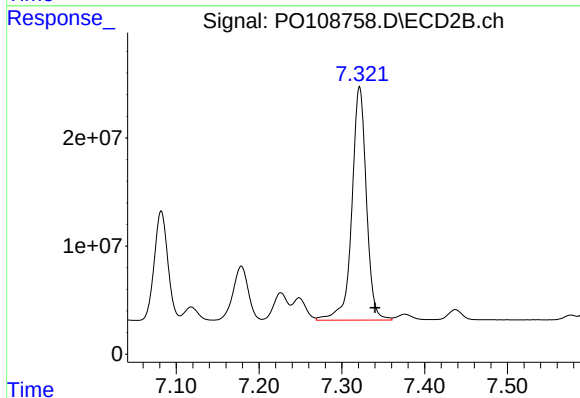
R.T.: 7.118 min
Delta R.T.: 0.018 min
Response: 14112885
Conc: 66.34 ng/ml



#35 AR-1260-5

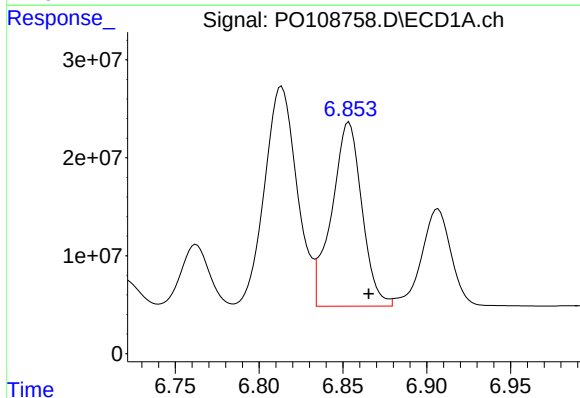
R.T.: 7.355 min
Delta R.T.: -0.015 min
Response: 490931965
Conc: 505.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



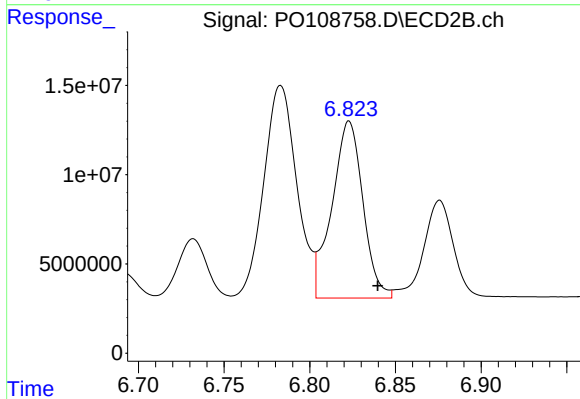
#35 AR-1260-5

R.T.: 7.321 min
Delta R.T.: -0.019 min
Response: 263727201
Conc: 544.97 ng/ml



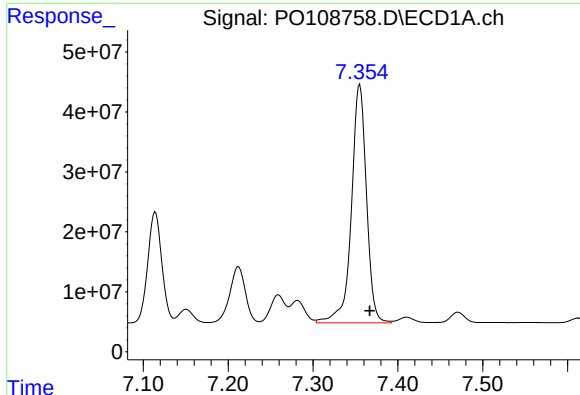
#36 AR-1262-1

R.T.: 6.854 min
Delta R.T.: -0.012 min
Response: 235677394
Conc: 357.96 ng/ml



#36 AR-1262-1

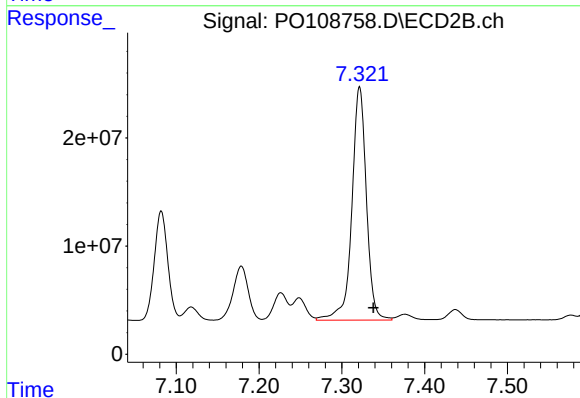
R.T.: 6.823 min
Delta R.T.: -0.017 min
Response: 124779669
Conc: 369.20 ng/ml



#37 AR-1262-2

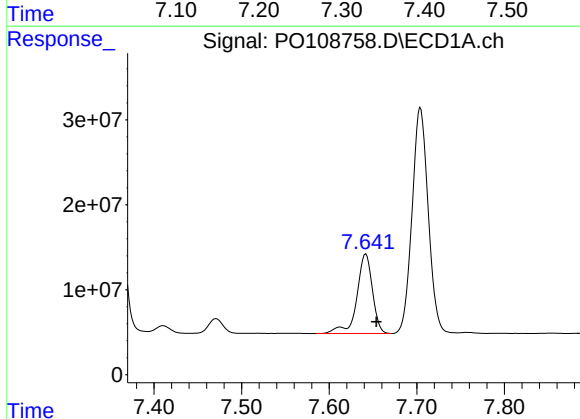
R.T.: 7.355 min
Delta R.T.: -0.012 min
Response: 490931965
Conc: 441.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



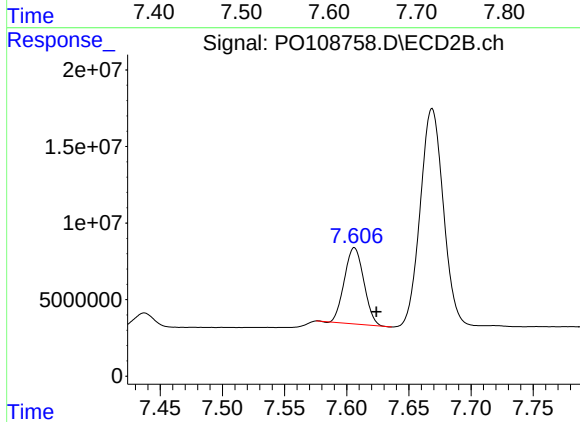
#37 AR-1262-2

R.T.: 7.321 min
Delta R.T.: -0.017 min
Response: 263727201
Conc: 461.18 ng/ml



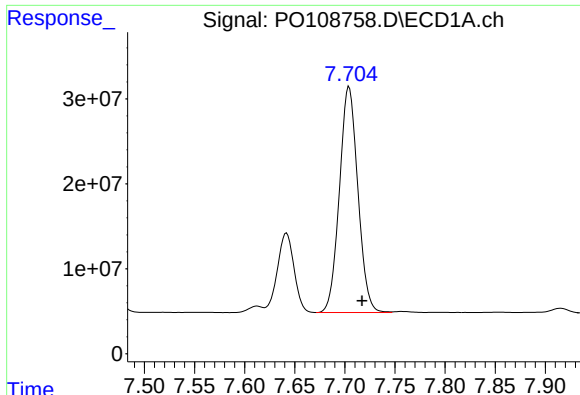
#38 AR-1262-3

R.T.: 7.642 min
Delta R.T.: -0.012 min
Response: 115803877
Conc: 265.09 ng/ml



#38 AR-1262-3

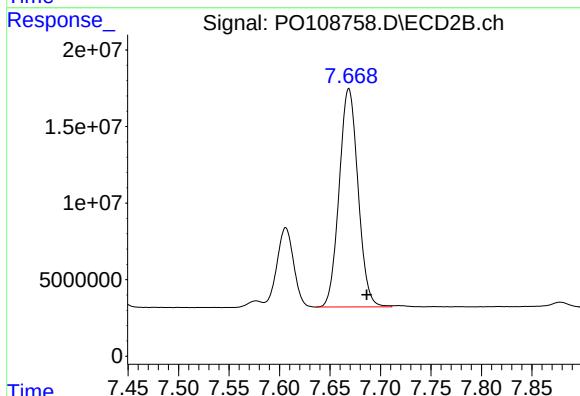
R.T.: 7.606 min
Delta R.T.: -0.018 min
Response: 54262520
Conc: 241.78 ng/ml



#39 AR-1262-4

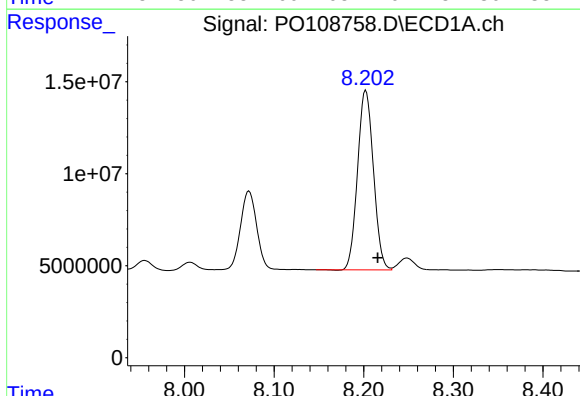
R.T.: 7.704 min
Delta R.T.: -0.013 min
Response: 340567769
Conc: 422.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



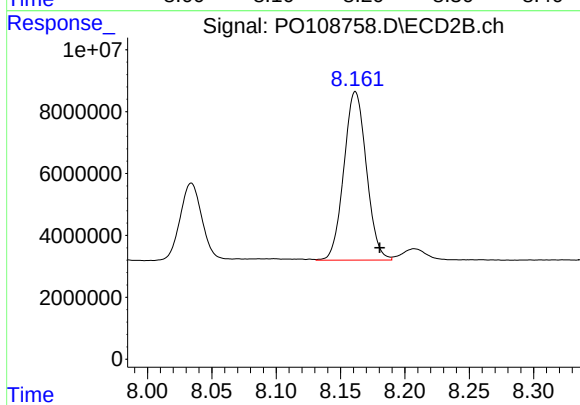
#39 AR-1262-4

R.T.: 7.669 min
Delta R.T.: -0.018 min
Response: 185307636
Conc: 452.42 ng/ml



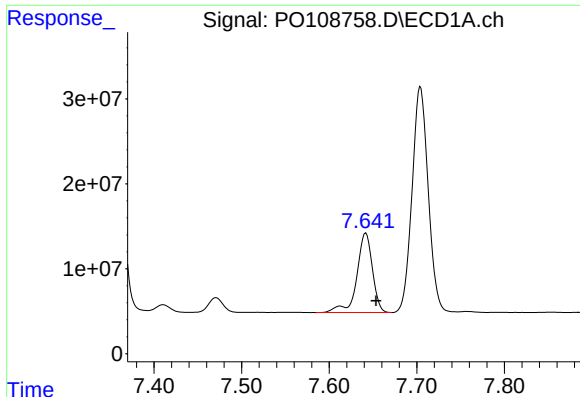
#40 AR-1262-5

R.T.: 8.202 min
Delta R.T.: -0.013 min
Response: 120273694
Conc: 338.86 ng/ml



#40 AR-1262-5

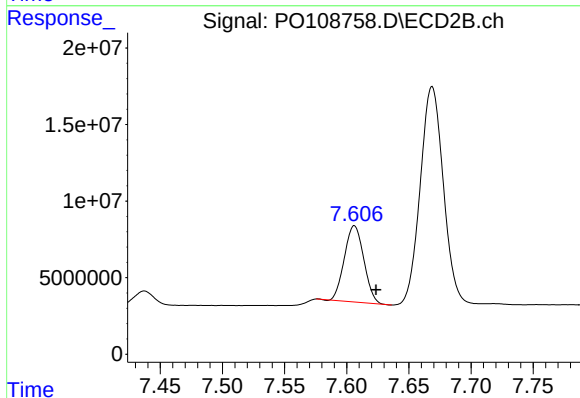
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 66302564
Conc: 358.73 ng/ml



#41 AR-1268-1

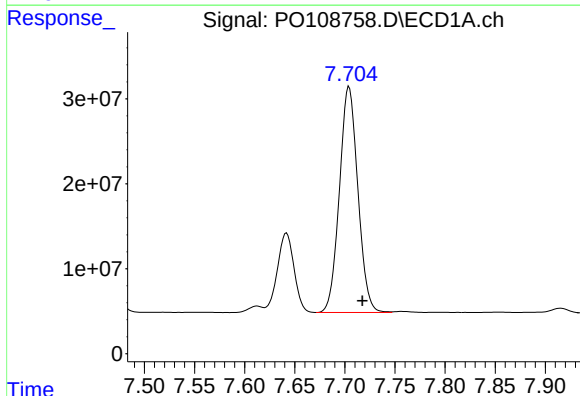
R.T.: 7.642 min
Delta R.T.: -0.012 min
Response: 115803877
Conc: 93.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



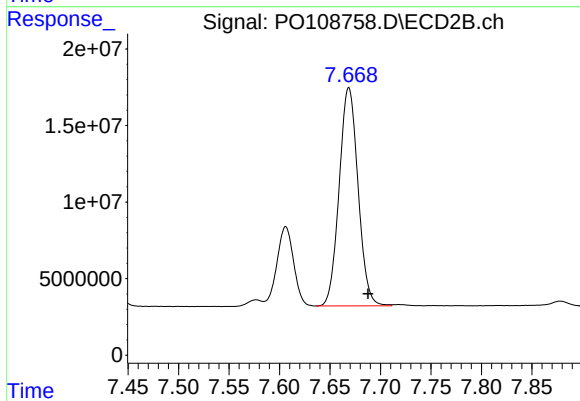
#41 AR-1268-1

R.T.: 7.606 min
Delta R.T.: -0.017 min
Response: 54262520
Conc: 84.01 ng/ml



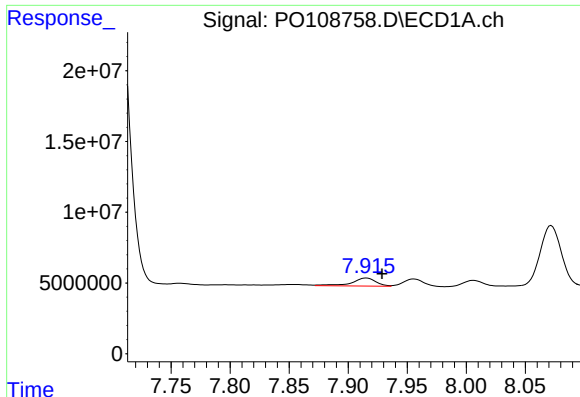
#42 AR-1268-2

R.T.: 7.704 min
Delta R.T.: -0.013 min
Response: 340567769
Conc: 303.63 ng/ml



#42 AR-1268-2

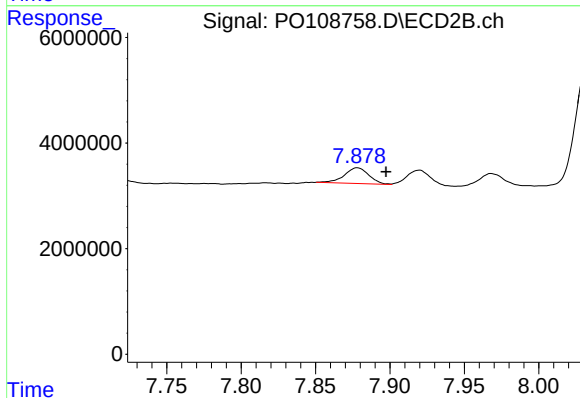
R.T.: 7.669 min
Delta R.T.: -0.019 min
Response: 185307636
Conc: 318.66 ng/ml



#43 AR-1268-3

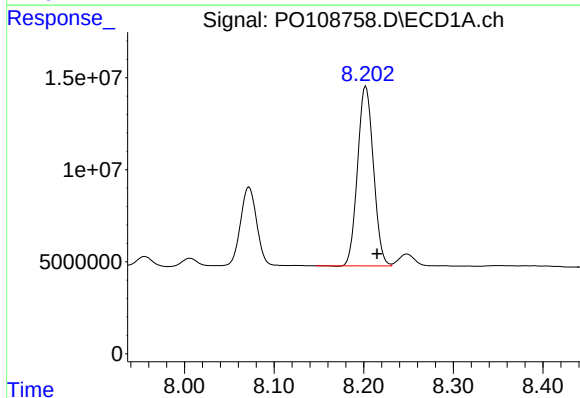
R.T.: 7.915 min
Delta R.T.: -0.014 min
Response: 8017156
Conc: 8.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



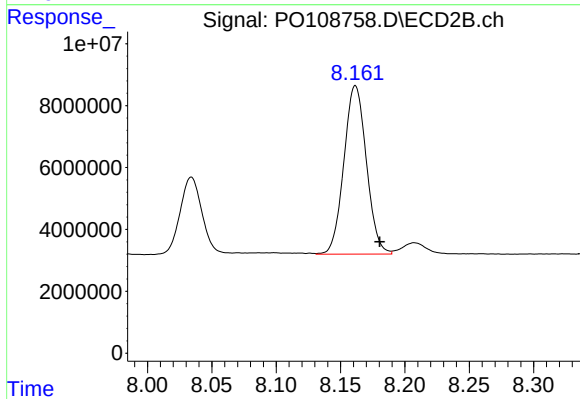
#43 AR-1268-3

R.T.: 7.878 min
Delta R.T.: -0.019 min
Response: 3424962
Conc: 6.87 ng/ml



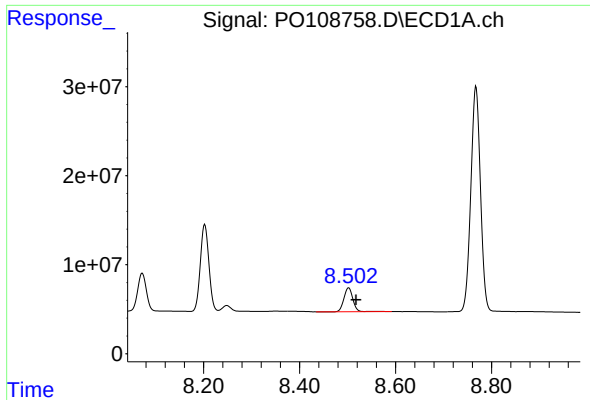
#44 AR-1268-4

R.T.: 8.202 min
Delta R.T.: -0.013 min
Response: 120273694
Conc: 310.86 ng/ml



#44 AR-1268-4

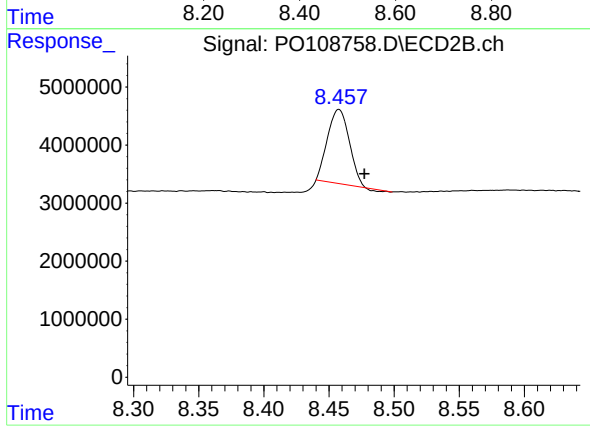
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 66302564
Conc: 326.55 ng/ml



#45 AR-1268-5

R.T.: 8.502 min
Delta R.T.: -0.015 min
Response: 34620612
Conc: 12.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.458 min
Delta R.T.: -0.020 min
Response: 14645511
Conc: 9.86 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0122624\
Data File : P0108764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 12:39
Operator : YP/AJ
Sample : PB165843BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165843BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 13:21:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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...	3.704	3.700	184.5E6	97355081	21.201	19.205
2) SA Decachlor...	8.766	8.717	156.8E6	89764925	21.473	23.166
Target Compounds						
3) L1 AR-1016-1	4.819	4.806	227.9E6	107.0E6	738.994	666.839
4) L1 AR-1016-2	4.819	4.806	227.9E6	107.0E6	546.064	481.828
5) L1 AR-1016-3	4.874	4.981	152.2E6	59862847	520.119	475.730
6) L1 AR-1016-4	4.996	5.023	118.6E6	49759685	513.098	474.779
7) L1 AR-1016-5	5.253	5.237	123.4E6	63807633	490.468	471.911
8) L2 AR-1221-1	3.916	3.911	15220762	7944766	134.526	127.889
9) L2 AR-1221-2	4.004	3.998	19721057	10296529	227.410	217.020
10) L2 AR-1221-3	4.081	4.074	79623468	42135221	313.225	299.709
11) L3 AR-1232-1	4.081	4.074	79623468	42135221	388.843	376.033
12) L3 AR-1232-2	4.576	4.806	118.6E6	107.0E6	1037.456	1011.881
13) L3 AR-1232-3	4.819	4.981	227.9E6	59862847	1154.252	991.974
14) L3 AR-1232-4	4.996	5.065	118.6E6	61478608	1094.452	1106.597
15) L3 AR-1232-5	5.038	5.237	97910748	63807633	1249.986	1108.230
16) L4 AR-1242-1	4.799	4.806	154.5E6	107.0E6	600.315	788.187 #
17) L4 AR-1242-2	4.819	4.806	227.9E6	107.0E6	660.379	577.006
18) L4 AR-1242-3	4.874	4.981	152.2E6	59862847	630.993	568.054
19) L4 AR-1242-4	4.996	5.065	118.6E6	61478608	621.959	572.807
20) L4 AR-1242-5	5.650	5.589	18016843	51482932	86.757	407.301 #
21) L5 AR-1248-1	4.799	4.806	154.5E6	107.0E6	771.327	1017.995 #
22) L5 AR-1248-2	5.038	5.023	97910748	49759685	353.232	333.225
23) L5 AR-1248-3	5.253	5.065	123.4E6	61478608	361.983	388.094
24) L5 AR-1248-4	5.609	5.237	101.2E6	63807633	212.304	349.534 #
25) L5 AR-1248-5	5.650	5.629	18016843	9244822	53.208	52.646
26) L6 AR-1254-1	5.609	5.589	101.2E6	51482932	196.964	190.092
27) L6 AR-1254-2	5.757	5.736	97108292	49651128	213.210	206.862
28) L6 AR-1254-3	6.180	6.155	210.7E6	85741386	292.553	228.332
29) L6 AR-1254-4	6.393	6.367	20179038	9626897	45.986	44.226
30) L6 AR-1254-5	6.813	6.784	326.8E6	164.4E6	514.568	509.296
31) L7 AR-1260-1	6.296	6.270	237.4E6	120.8E6	519.356	516.062
32) L7 AR-1260-2	6.484	6.456	287.7E6	144.5E6	517.757	514.849
33) L7 AR-1260-3	6.853	6.610	205.6E6	135.4E6	443.461	513.878
34) L7 AR-1260-4	7.114	7.118	191.7E6	15583465	450.665	73.248 #
35) L7 AR-1260-5	7.354	7.321	440.1E6	228.9E6	452.843	473.004
36) L8 AR-1262-1	6.853	6.823	205.6E6	105.8E6	312.309	312.977
37) L8 AR-1262-2	7.354	7.321	440.1E6	228.9E6	395.888	400.280
38) L8 AR-1262-3	7.640	7.606	90083680	40815961	206.209	181.867
39) L8 AR-1262-4	7.703	7.668	304.4E6	159.5E6	377.539	389.520
40) L8 AR-1262-5	8.201	8.162	111.2E6	48133383	313.310	260.423
41) L9 AR-1268-1	7.640	7.606	90083680	40815961	72.414	63.190

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 12:39
Operator : YP/AJ
Sample : PB165843BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165843BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 13:21:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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
42)	L9 AR-1268-2	7.703	7.668	304.4E6	159.5E6	271.391	274.351
43)	L9 AR-1268-3	7.915	7.878	7078949	4076229	7.812	8.171
44)	L9 AR-1268-4	8.201	8.162	111.2E6	48133383	287.423	237.064
45)	L9 AR-1268-5	8.501	8.457	59814013	12129690	21.578	8.169 #

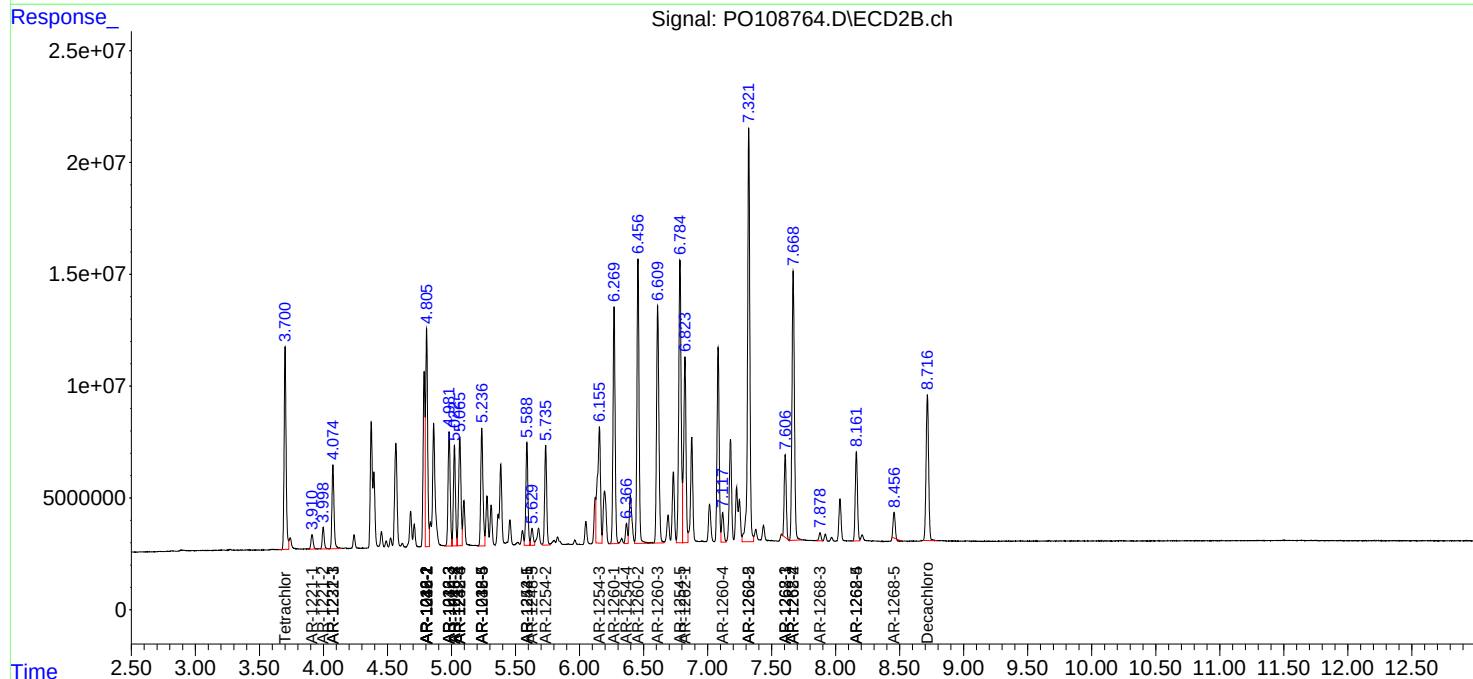
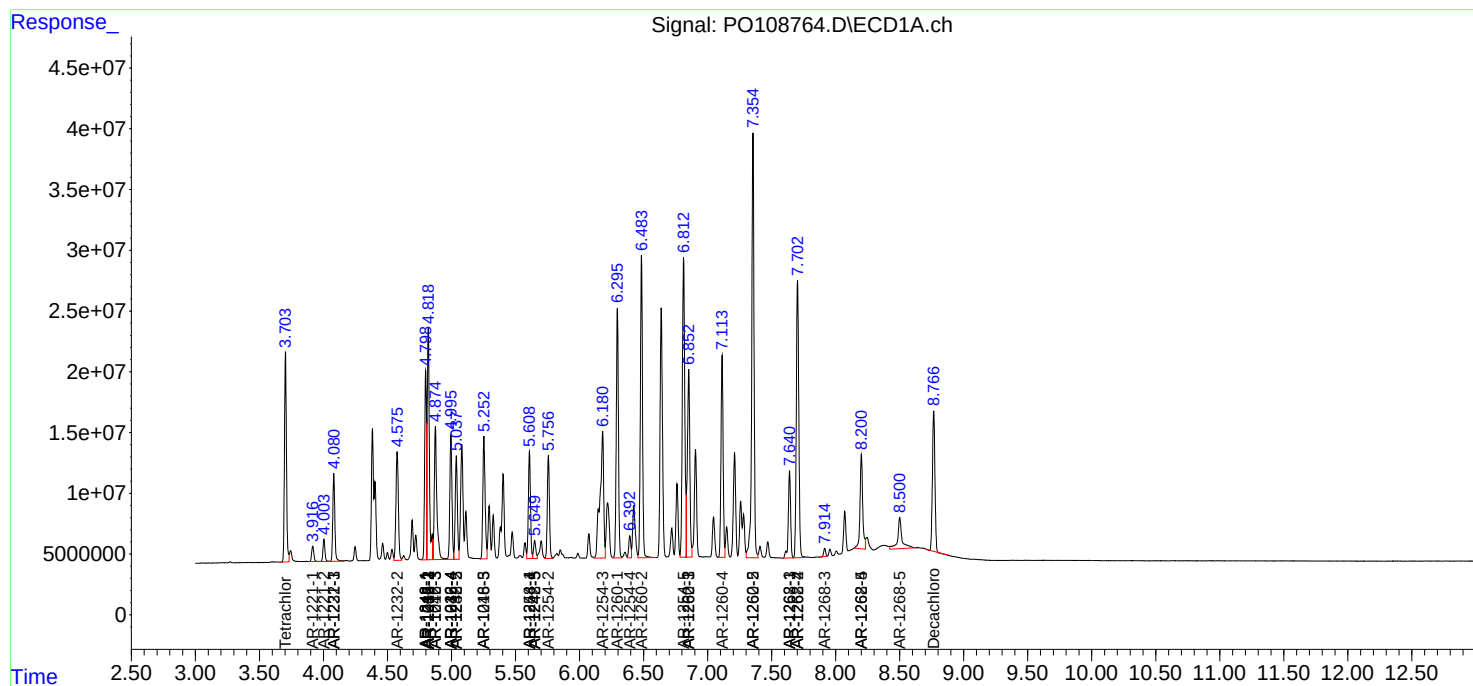
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

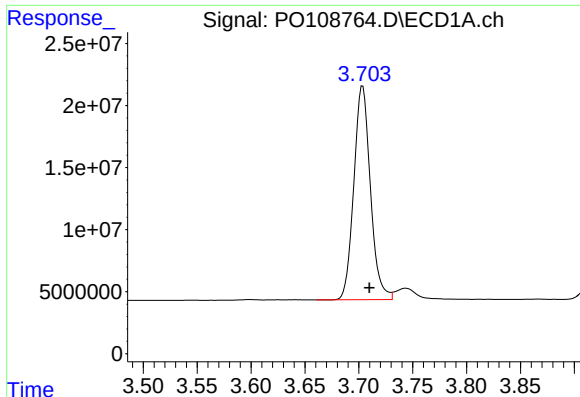
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 12:39
Operator : YP/AJ
Sample : PB165843BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165843BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 13:21:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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

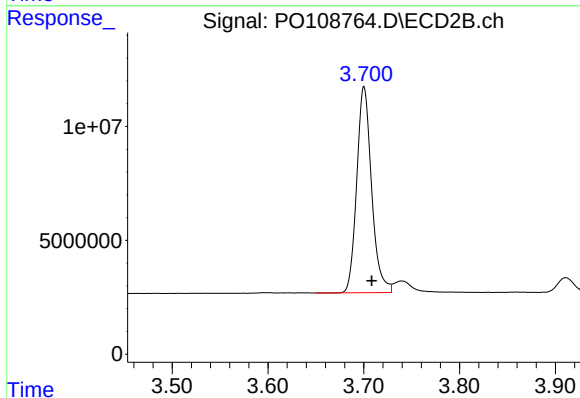




#1 Tetrachloro-m-xylene

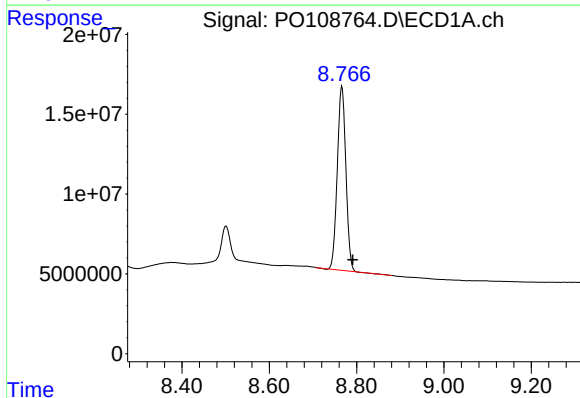
R.T.: 3.704 min
Delta R.T.: -0.006 min
Response: 184450153
Conc: 21.20 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



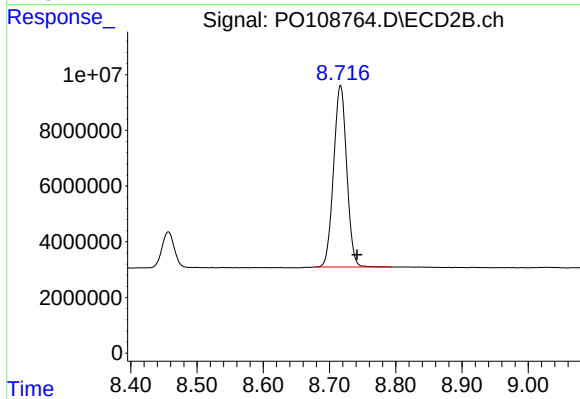
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.008 min
Response: 97355081
Conc: 19.20 ng/ml



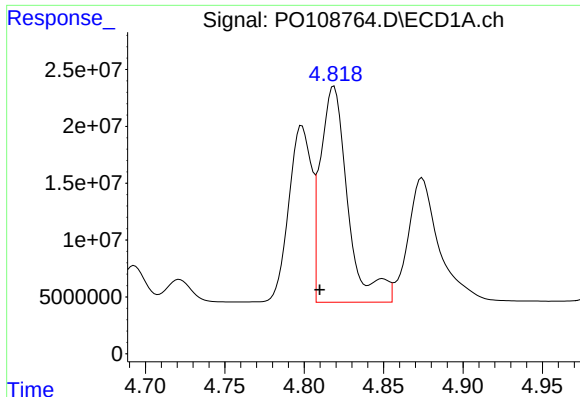
#2 Decachlorobiphenyl

R.T.: 8.766 min
Delta R.T.: -0.025 min
Response: 156838509
Conc: 21.47 ng/ml



#2 Decachlorobiphenyl

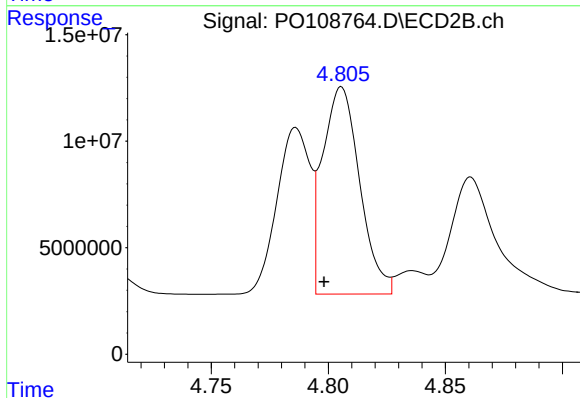
R.T.: 8.717 min
Delta R.T.: -0.025 min
Response: 89764925
Conc: 23.17 ng/ml



#3 AR-1016-1

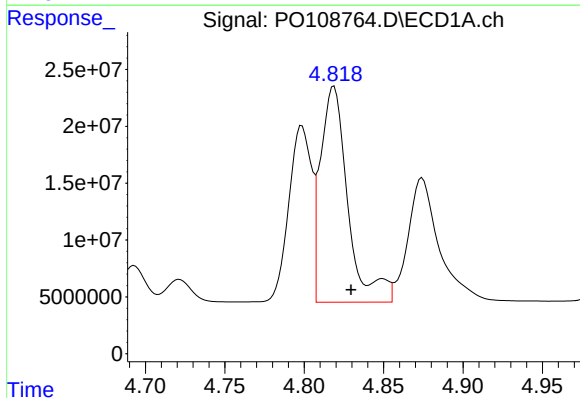
R.T.: 4.819 min
Delta R.T.: 0.009 min
Response: 227937733
Conc: 738.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



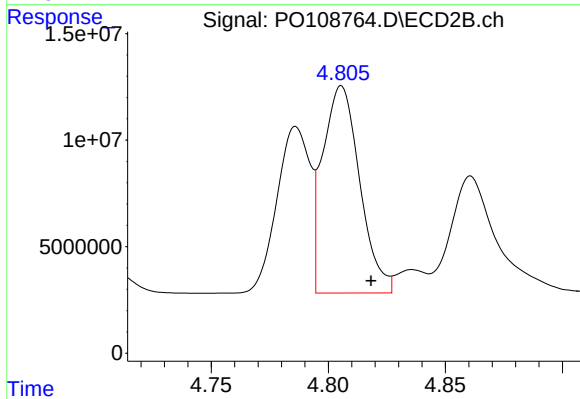
#3 AR-1016-1

R.T.: 4.806 min
Delta R.T.: 0.007 min
Response: 107010533
Conc: 666.84 ng/ml



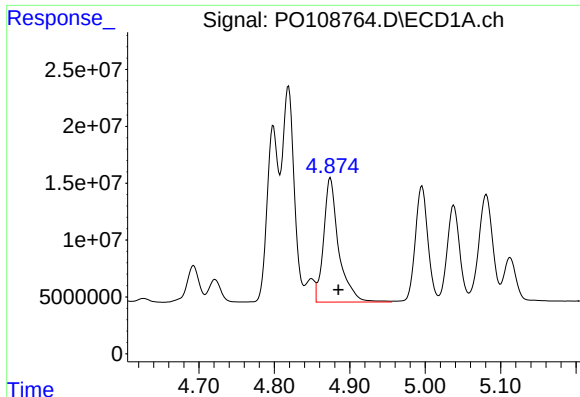
#4 AR-1016-2

R.T.: 4.819 min
Delta R.T.: -0.011 min
Response: 227937733
Conc: 546.06 ng/ml



#4 AR-1016-2

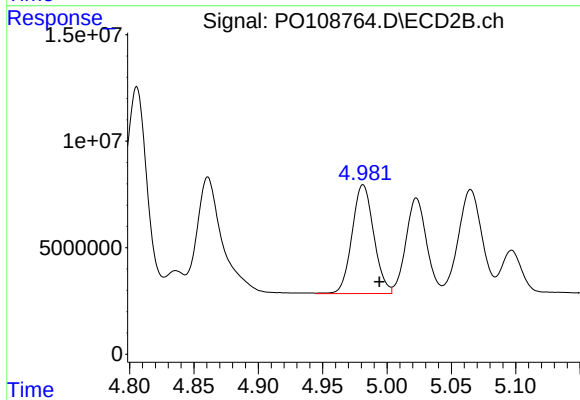
R.T.: 4.806 min
Delta R.T.: -0.013 min
Response: 107010533
Conc: 481.83 ng/ml



#5 AR-1016-3

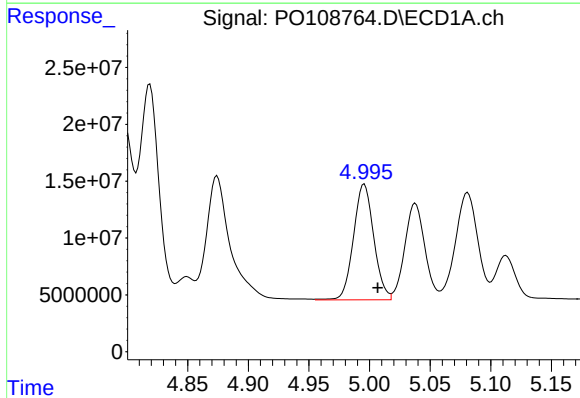
R.T.: 4.874 min
Delta R.T.: -0.011 min
Response: 152202988
Conc: 520.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



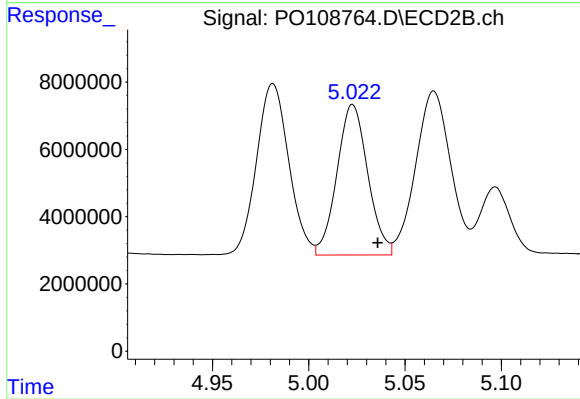
#5 AR-1016-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 59862847
Conc: 475.73 ng/ml



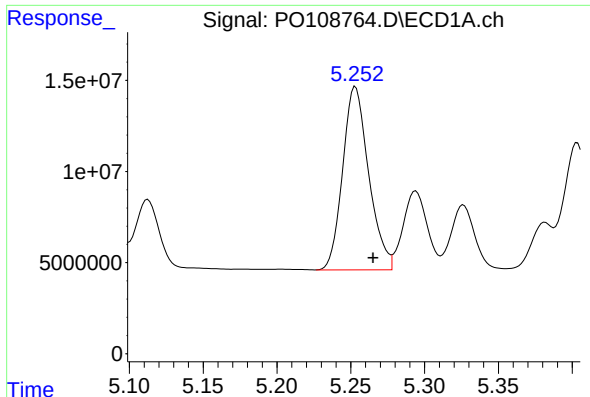
#6 AR-1016-4

R.T.: 4.996 min
Delta R.T.: -0.011 min
Response: 118616355
Conc: 513.10 ng/ml



#6 AR-1016-4

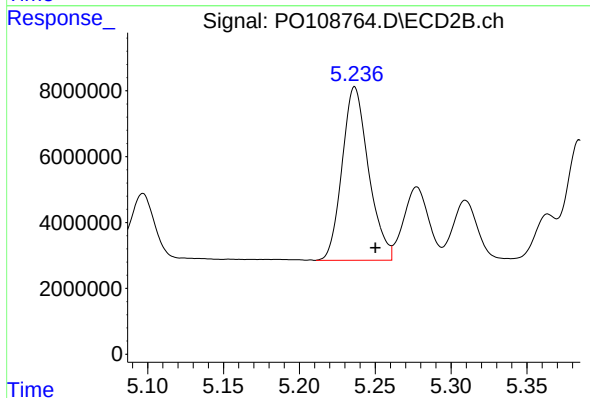
R.T.: 5.023 min
Delta R.T.: -0.013 min
Response: 49759685
Conc: 474.78 ng/ml



#7 AR-1016-5

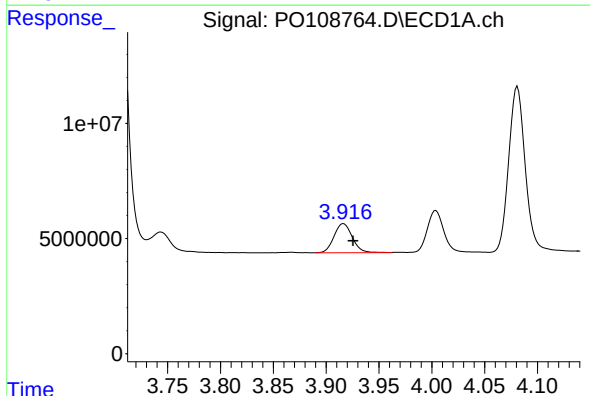
R.T.: 5.253 min
Delta R.T.: -0.012 min
Response: 123436227
Conc: 490.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



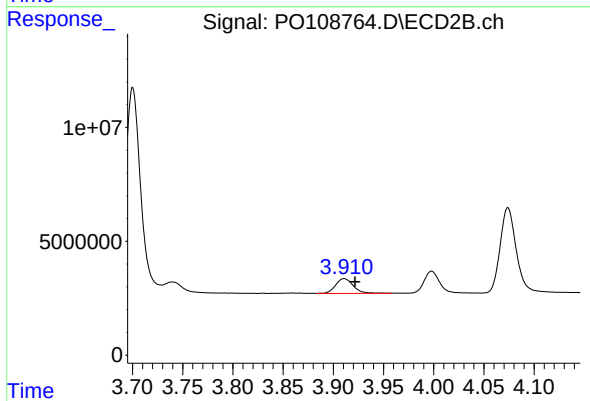
#7 AR-1016-5

R.T.: 5.237 min
Delta R.T.: -0.014 min
Response: 63807633
Conc: 471.91 ng/ml



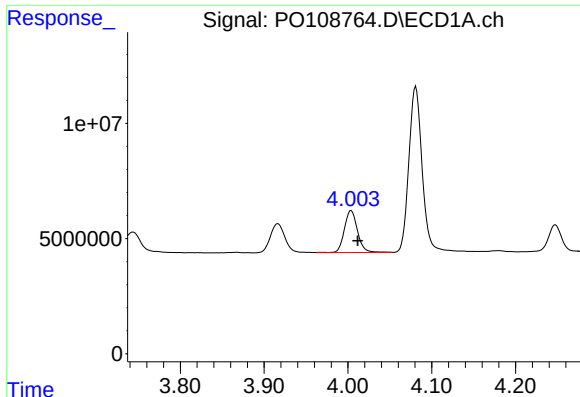
#8 AR-1221-1

R.T.: 3.916 min
Delta R.T.: -0.009 min
Response: 15220762
Conc: 134.53 ng/ml



#8 AR-1221-1

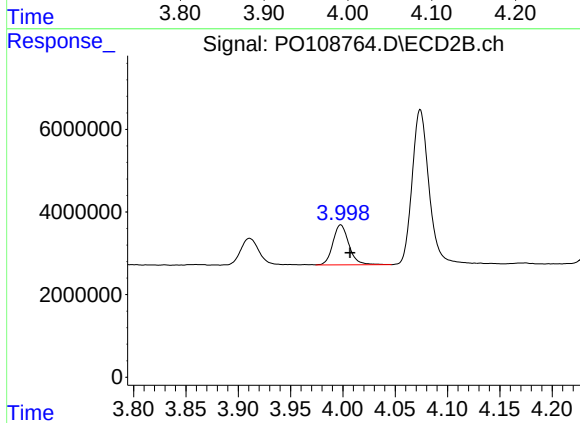
R.T.: 3.911 min
Delta R.T.: -0.011 min
Response: 7944766
Conc: 127.89 ng/ml



#9 AR-1221-2

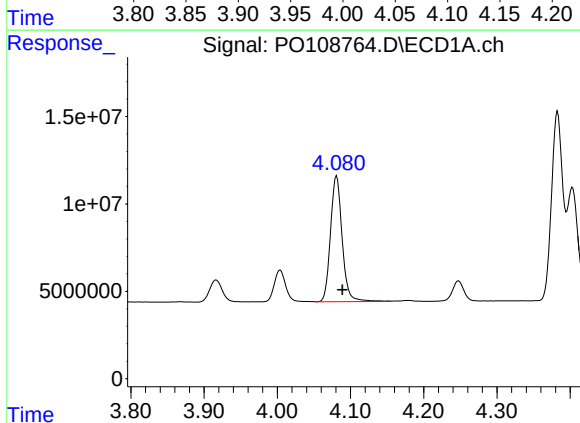
R.T.: 4.004 min
Delta R.T.: -0.008 min
Response: 19721057
Conc: 227.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



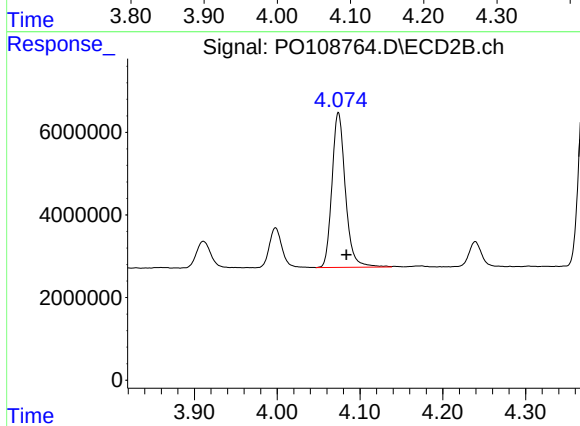
#9 AR-1221-2

R.T.: 3.998 min
Delta R.T.: -0.009 min
Response: 10296529
Conc: 217.02 ng/ml



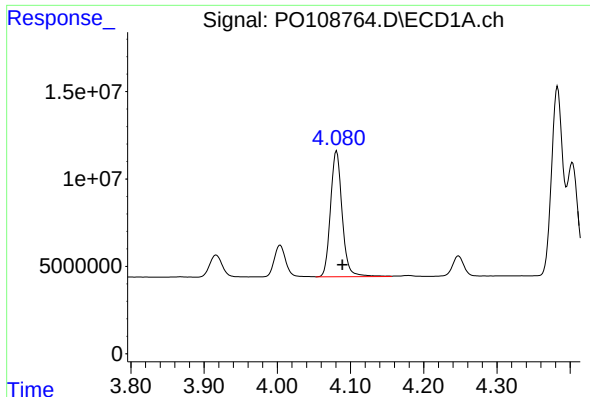
#10 AR-1221-3

R.T.: 4.081 min
Delta R.T.: -0.008 min
Response: 79623468
Conc: 313.22 ng/ml



#10 AR-1221-3

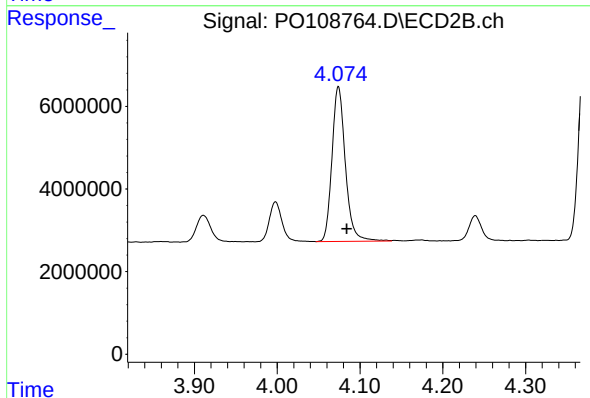
R.T.: 4.074 min
Delta R.T.: -0.010 min
Response: 42135221
Conc: 299.71 ng/ml



#11 AR-1232-1

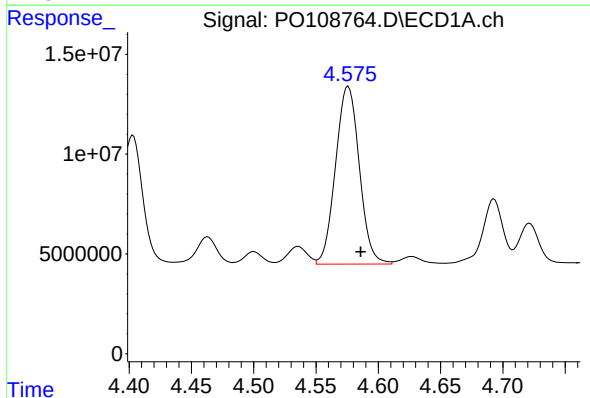
R.T.: 4.081 min
Delta R.T.: -0.008 min
Response: 79623468
Conc: 388.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



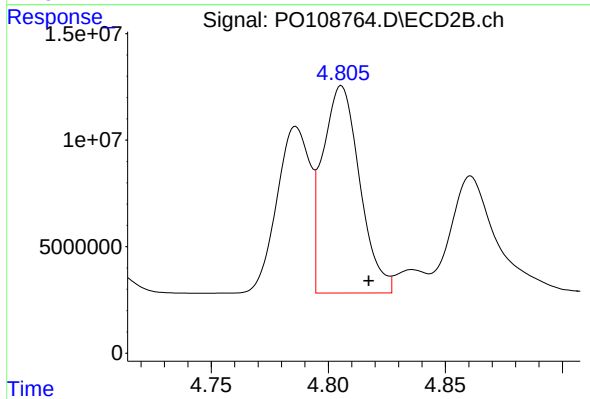
#11 AR-1232-1

R.T.: 4.074 min
Delta R.T.: -0.010 min
Response: 42135221
Conc: 376.03 ng/ml



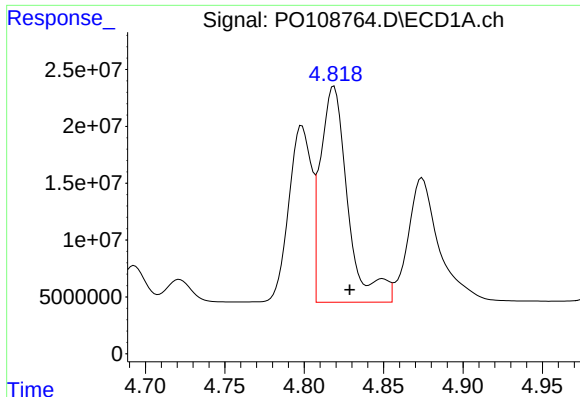
#12 AR-1232-2

R.T.: 4.576 min
Delta R.T.: -0.010 min
Response: 118636699
Conc: 1037.46 ng/ml



#12 AR-1232-2

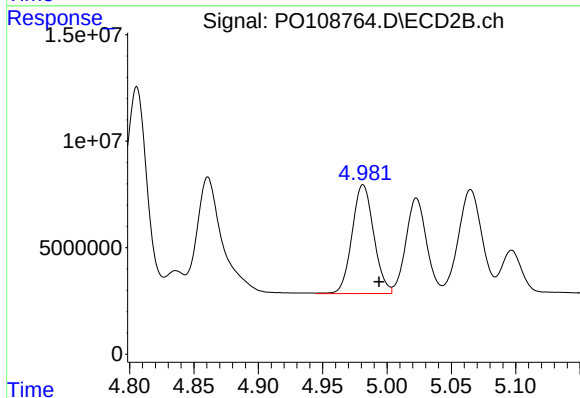
R.T.: 4.806 min
Delta R.T.: -0.012 min
Response: 107010533
Conc: 1011.88 ng/ml



#13 AR-1232-3

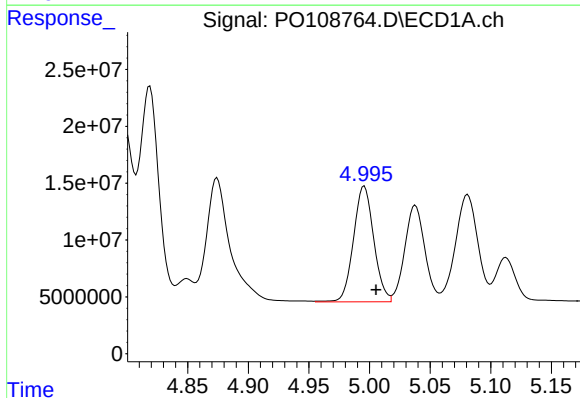
R.T.: 4.819 min
Delta R.T.: -0.010 min
Response: 227937733
Conc: 1154.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



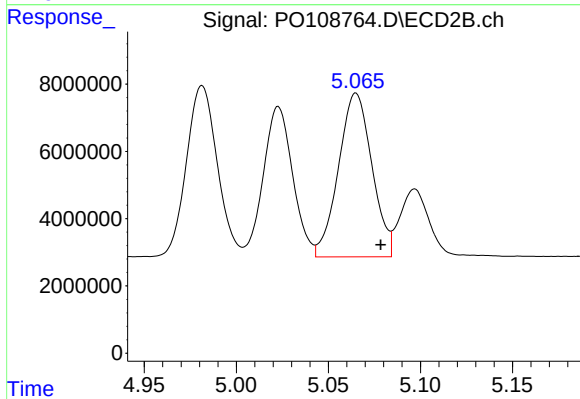
#13 AR-1232-3

R.T.: 4.981 min
Delta R.T.: -0.012 min
Response: 59862847
Conc: 991.97 ng/ml



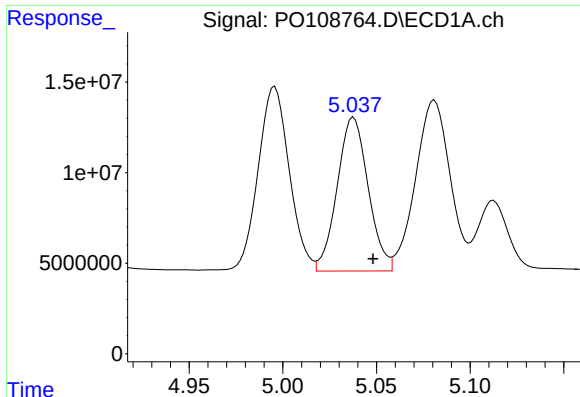
#14 AR-1232-4

R.T.: 4.996 min
Delta R.T.: -0.010 min
Response: 118616355
Conc: 1094.45 ng/ml



#14 AR-1232-4

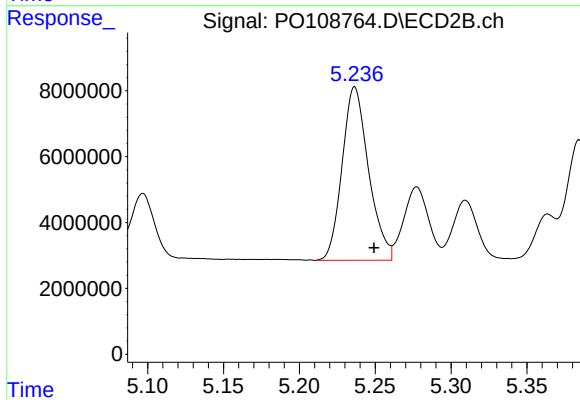
R.T.: 5.065 min
Delta R.T.: -0.013 min
Response: 61478608
Conc: 1106.60 ng/ml



#15 AR-1232-5

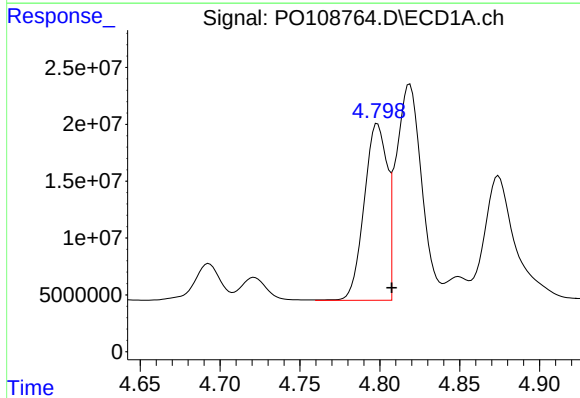
R.T.: 5.038 min
Delta R.T.: -0.010 min
Response: 97910748
Conc: 1249.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



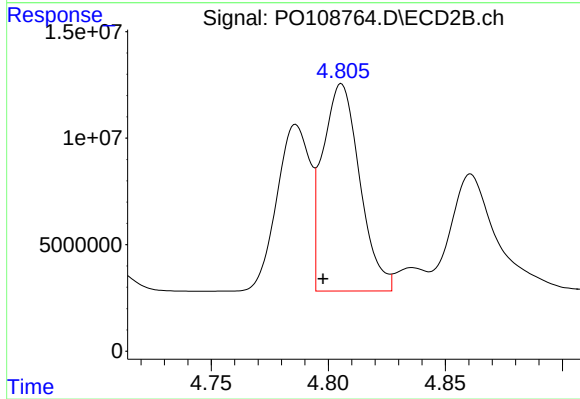
#15 AR-1232-5

R.T.: 5.237 min
Delta R.T.: -0.013 min
Response: 63807633
Conc: 1108.23 ng/ml



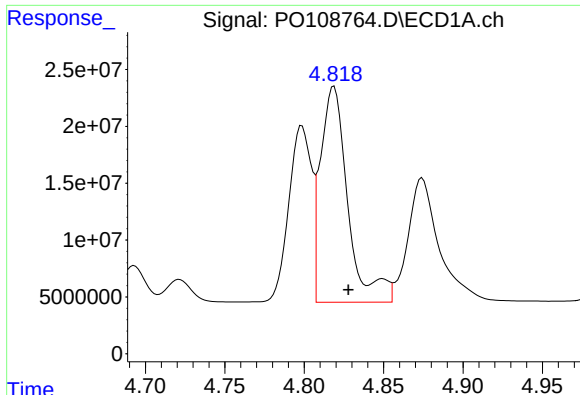
#16 AR-1242-1

R.T.: 4.799 min
Delta R.T.: -0.009 min
Response: 154475986
Conc: 600.31 ng/ml



#16 AR-1242-1

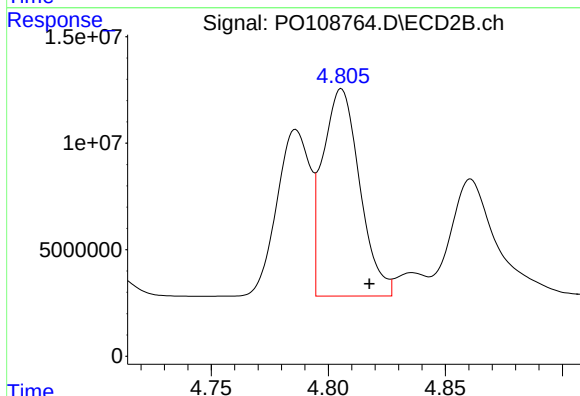
R.T.: 4.806 min
Delta R.T.: 0.008 min
Response: 107010533
Conc: 788.19 ng/ml



#17 AR-1242-2

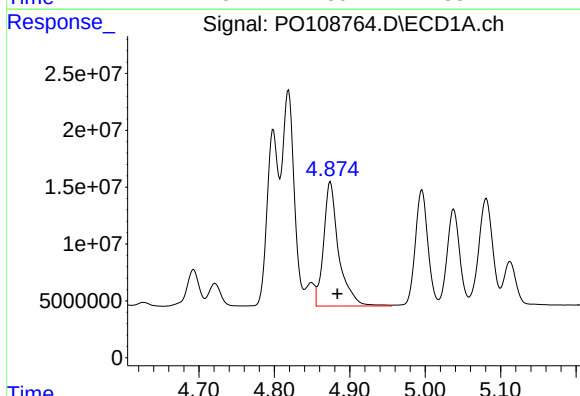
R.T.: 4.819 min
Delta R.T.: -0.009 min
Response: 227937733
Conc: 660.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



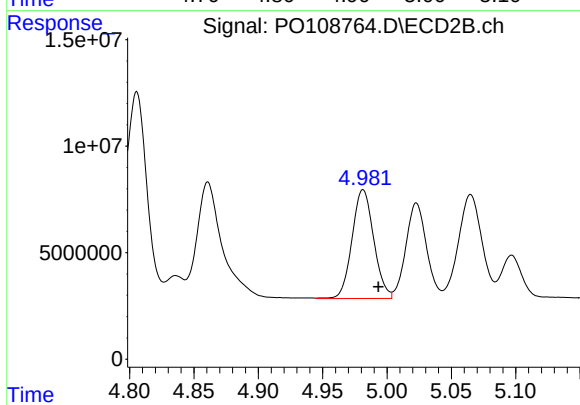
#17 AR-1242-2

R.T.: 4.806 min
Delta R.T.: -0.012 min
Response: 107010533
Conc: 577.01 ng/ml



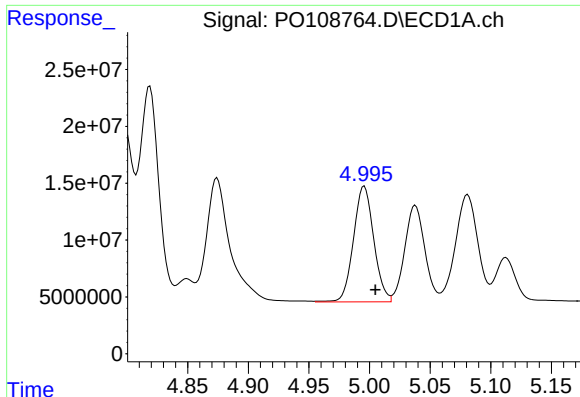
#18 AR-1242-3

R.T.: 4.874 min
Delta R.T.: -0.009 min
Response: 152202988
Conc: 630.99 ng/ml



#18 AR-1242-3

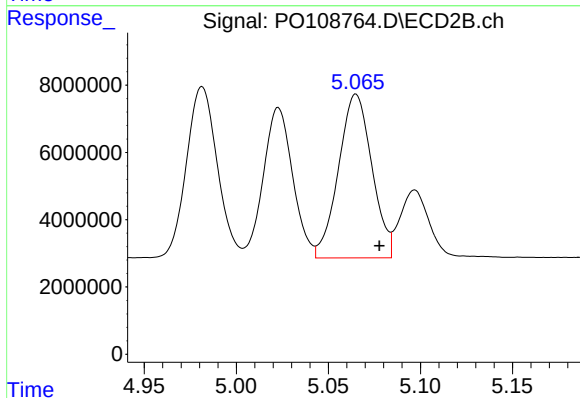
R.T.: 4.981 min
Delta R.T.: -0.012 min
Response: 59862847
Conc: 568.05 ng/ml



#19 AR-1242-4

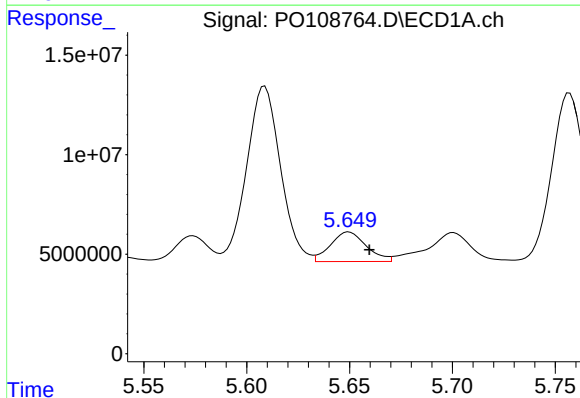
R.T.: 4.996 min
Delta R.T.: -0.009 min
Response: 118616355
Conc: 621.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



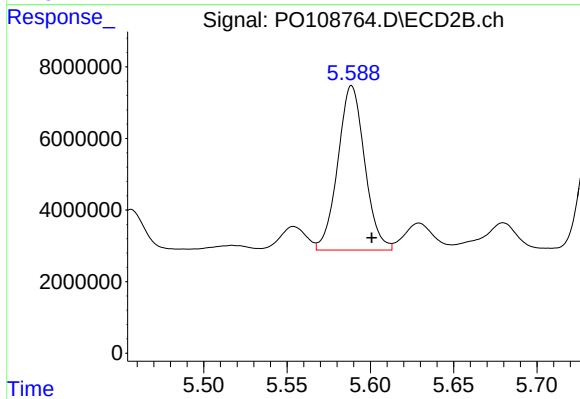
#19 AR-1242-4

R.T.: 5.065 min
Delta R.T.: -0.013 min
Response: 61478608
Conc: 572.81 ng/ml



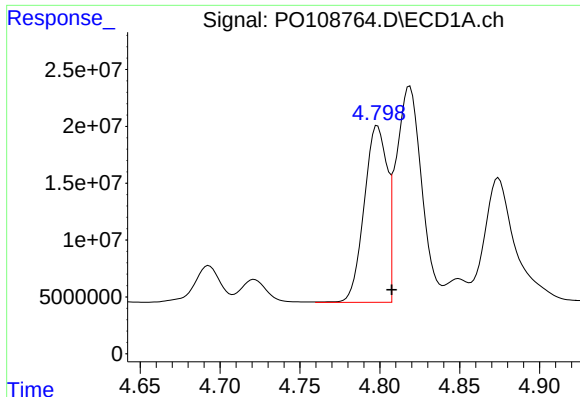
#20 AR-1242-5

R.T.: 5.650 min
Delta R.T.: -0.010 min
Response: 18016843
Conc: 86.76 ng/ml



#20 AR-1242-5

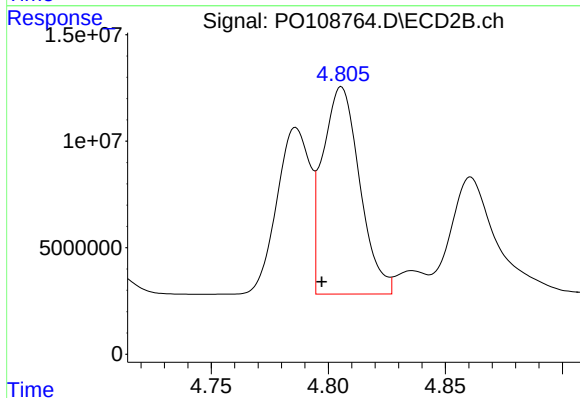
R.T.: 5.589 min
Delta R.T.: -0.012 min
Response: 51482932
Conc: 407.30 ng/ml



#21 AR-1248-1

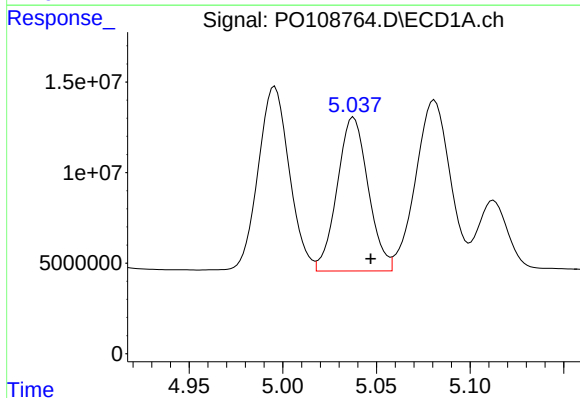
R.T.: 4.799 min
Delta R.T.: -0.009 min
Response: 154475986
Conc: 771.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



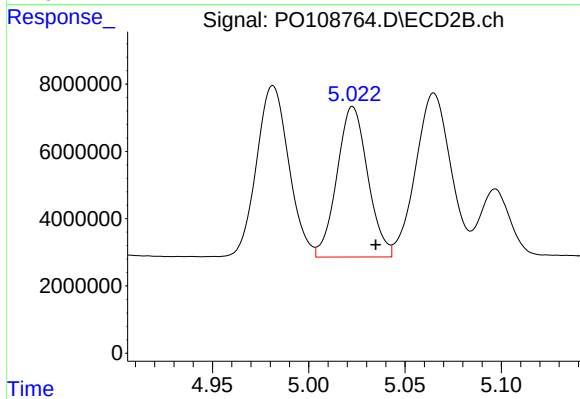
#21 AR-1248-1

R.T.: 4.806 min
Delta R.T.: 0.008 min
Response: 107010533
Conc: 1017.99 ng/ml



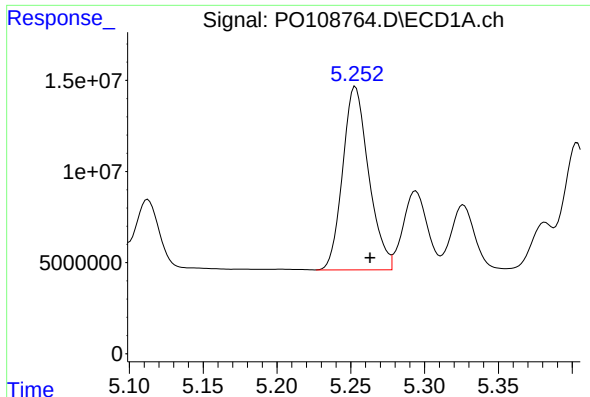
#22 AR-1248-2

R.T.: 5.038 min
Delta R.T.: -0.009 min
Response: 97910748
Conc: 353.23 ng/ml



#22 AR-1248-2

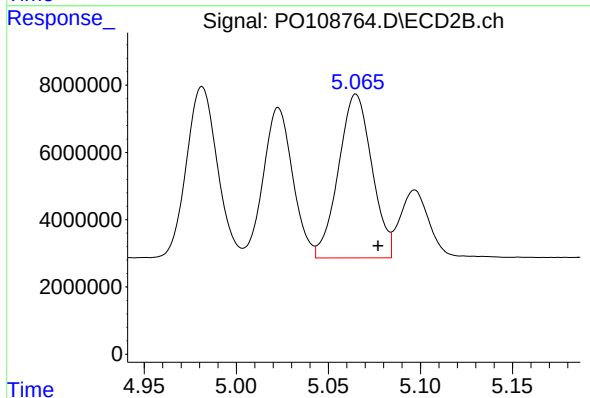
R.T.: 5.023 min
Delta R.T.: -0.012 min
Response: 49759685
Conc: 333.23 ng/ml



#23 AR-1248-3

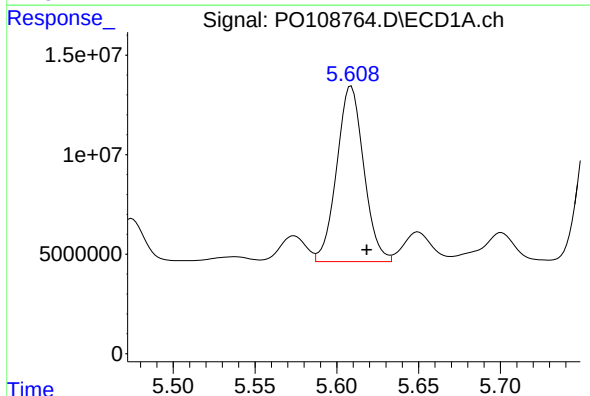
R.T.: 5.253 min
Delta R.T.: -0.010 min
Response: 123436227
Conc: 361.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



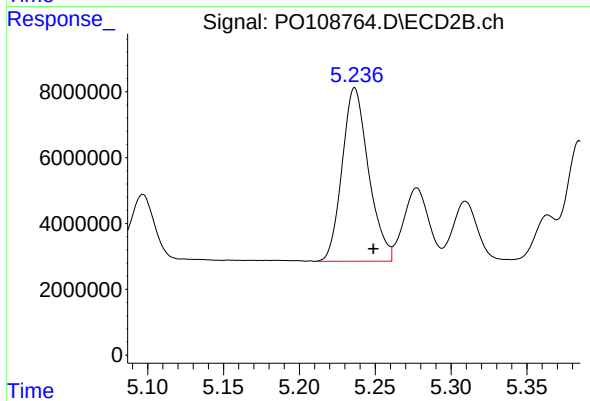
#23 AR-1248-3

R.T.: 5.065 min
Delta R.T.: -0.012 min
Response: 61478608
Conc: 388.09 ng/ml



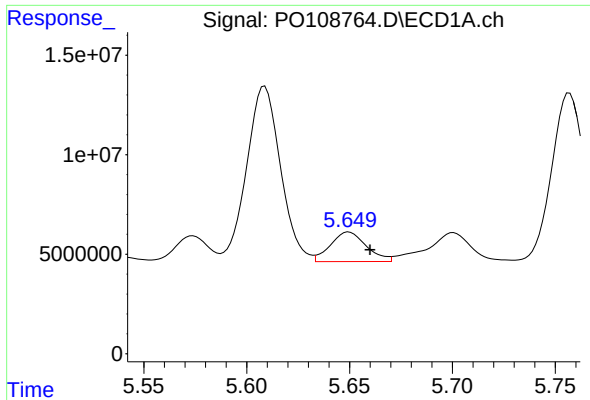
#24 AR-1248-4

R.T.: 5.609 min
Delta R.T.: -0.010 min
Response: 101168507
Conc: 212.30 ng/ml



#24 AR-1248-4

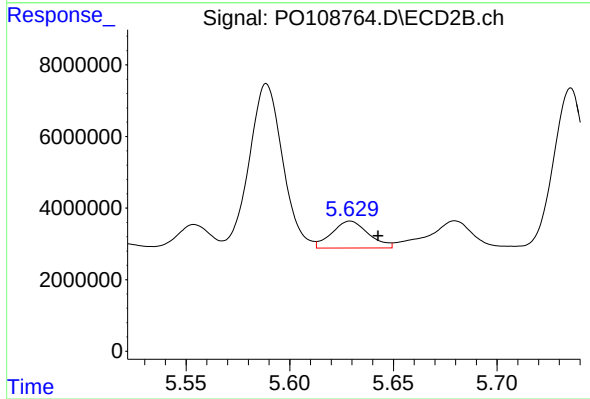
R.T.: 5.237 min
Delta R.T.: -0.012 min
Response: 63807633
Conc: 349.53 ng/ml



#25 AR-1248-5

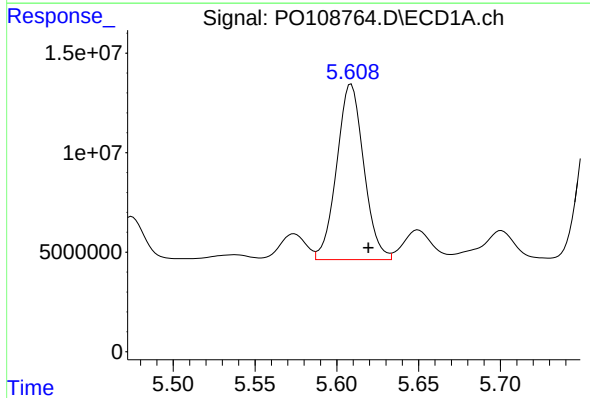
R.T.: 5.650 min
Delta R.T.: -0.010 min
Response: 18016843
Conc: 53.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



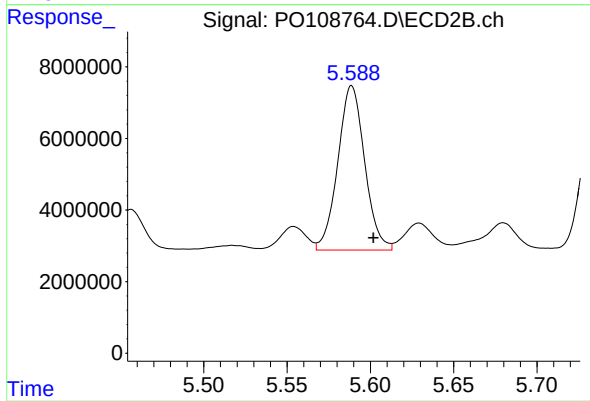
#25 AR-1248-5

R.T.: 5.629 min
Delta R.T.: -0.013 min
Response: 9244822
Conc: 52.65 ng/ml



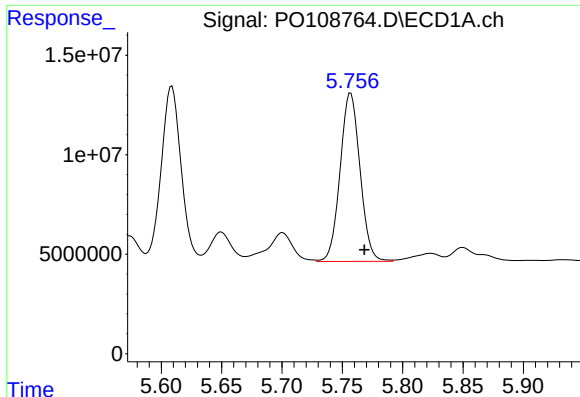
#26 AR-1254-1

R.T.: 5.609 min
Delta R.T.: -0.011 min
Response: 101168507
Conc: 196.96 ng/ml



#26 AR-1254-1

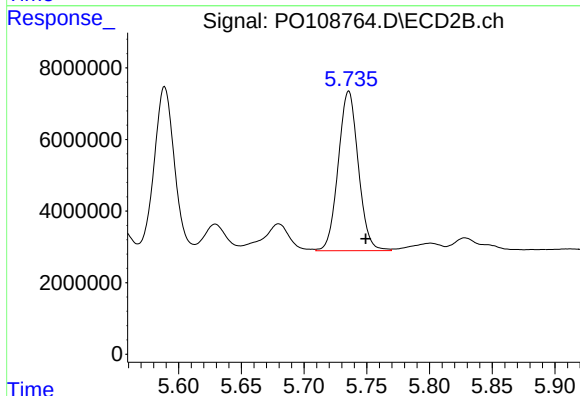
R.T.: 5.589 min
Delta R.T.: -0.013 min
Response: 51482932
Conc: 190.09 ng/ml



#27 AR-1254-2

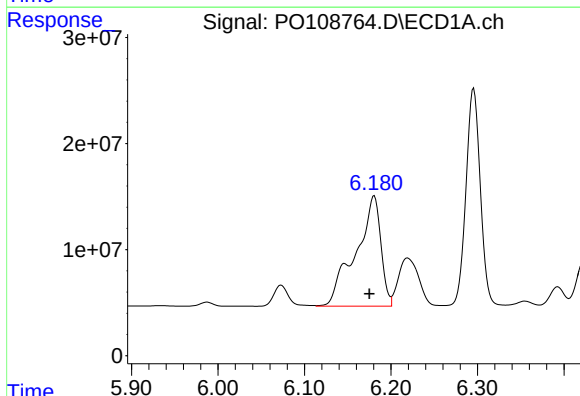
R.T.: 5.757 min
Delta R.T.: -0.011 min
Response: 97108292
Conc: 213.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



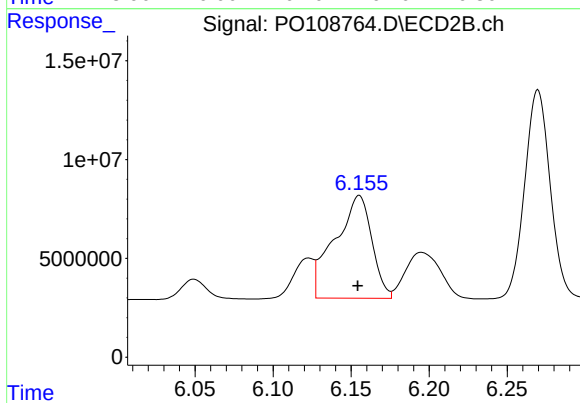
#27 AR-1254-2

R.T.: 5.736 min
Delta R.T.: -0.014 min
Response: 49651128
Conc: 206.86 ng/ml



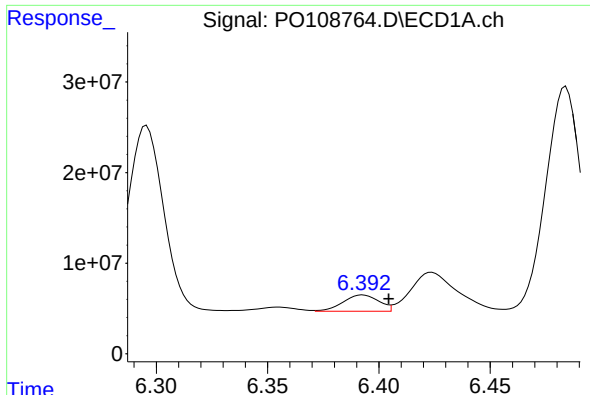
#28 AR-1254-3

R.T.: 6.180 min
Delta R.T.: 0.006 min
Response: 210676113
Conc: 292.55 ng/ml



#28 AR-1254-3

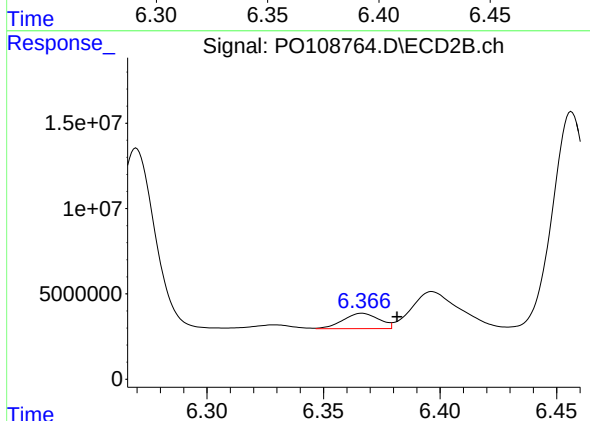
R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 85741386
Conc: 228.33 ng/ml



#29 AR-1254-4

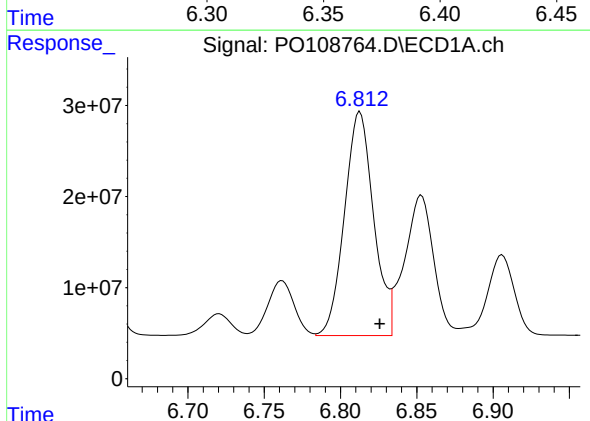
R.T.: 6.393 min
Delta R.T.: -0.012 min
Response: 20179038
Conc: 45.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



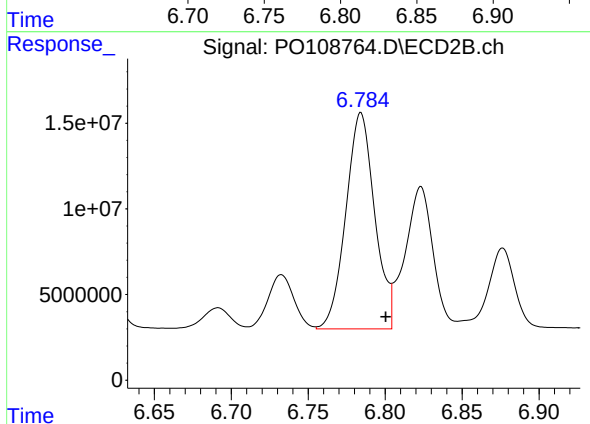
#29 AR-1254-4

R.T.: 6.367 min
Delta R.T.: -0.015 min
Response: 9626897
Conc: 44.23 ng/ml



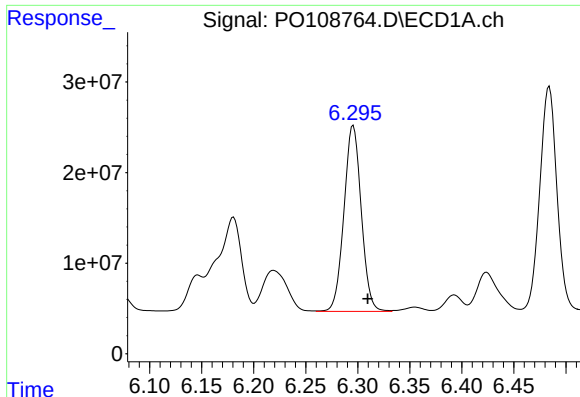
#30 AR-1254-5

R.T.: 6.813 min
Delta R.T.: -0.013 min
Response: 326813369
Conc: 514.57 ng/ml



#30 AR-1254-5

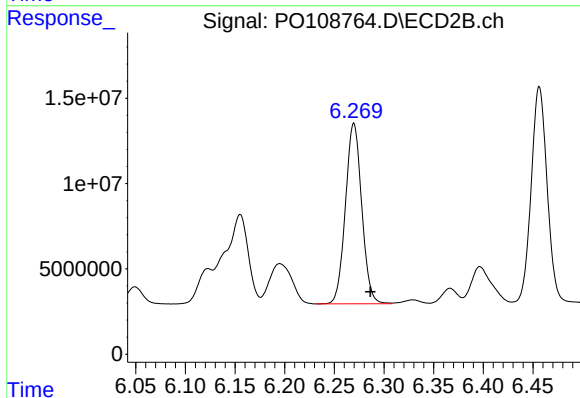
R.T.: 6.784 min
Delta R.T.: -0.016 min
Response: 164380164
Conc: 509.30 ng/ml



#31 AR-1260-1

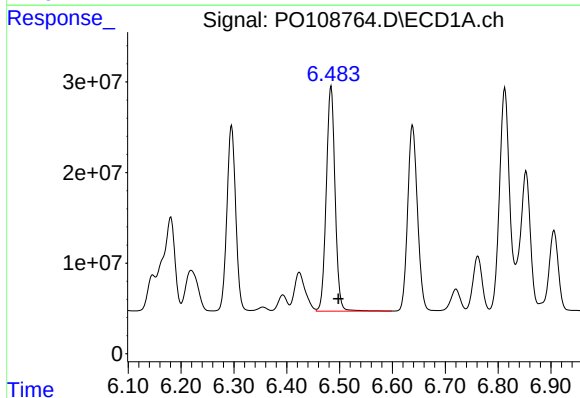
R.T.: 6.296 min
Delta R.T.: -0.014 min
Response: 237420675
Conc: 519.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



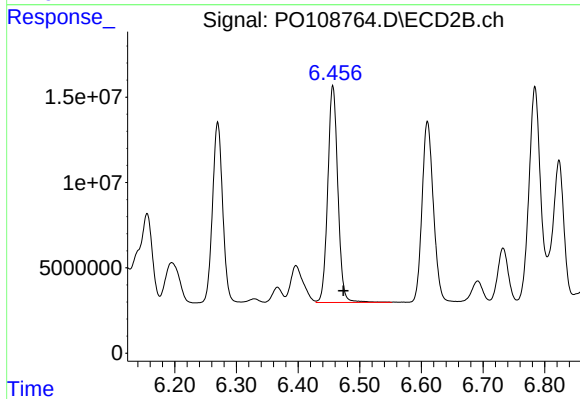
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.017 min
Response: 120776699
Conc: 516.06 ng/ml



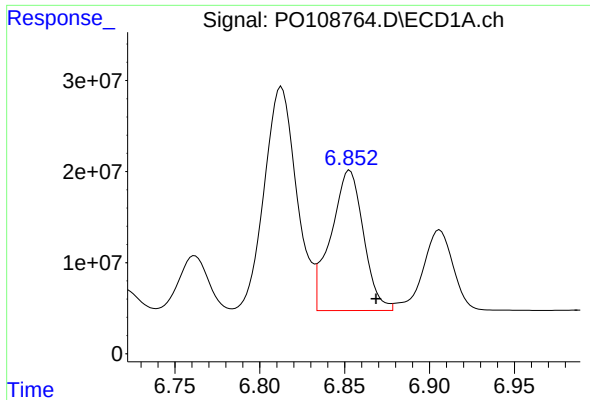
#32 AR-1260-2

R.T.: 6.484 min
Delta R.T.: -0.014 min
Response: 287727671
Conc: 517.76 ng/ml



#32 AR-1260-2

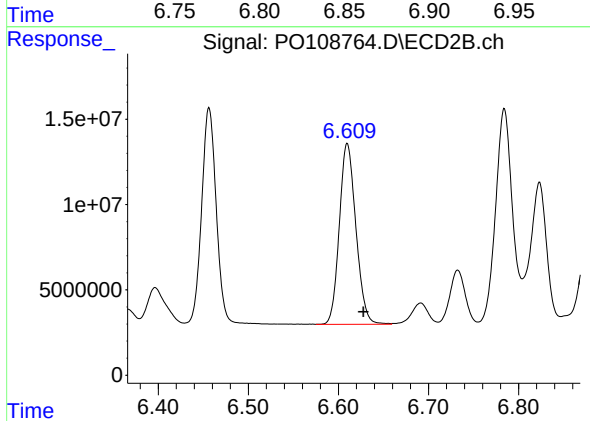
R.T.: 6.456 min
Delta R.T.: -0.017 min
Response: 144450040
Conc: 514.85 ng/ml



#33 AR-1260-3

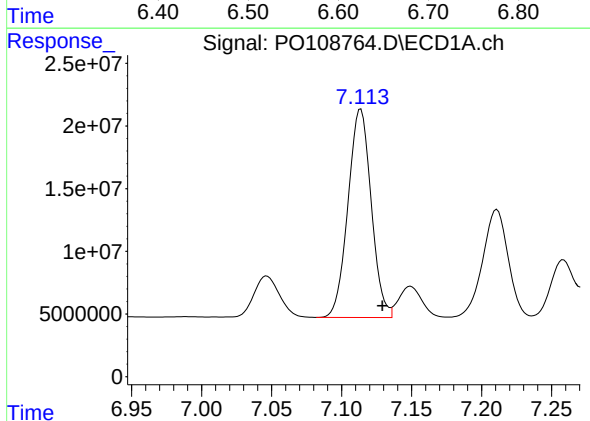
R.T.: 6.853 min
Delta R.T.: -0.016 min
Response: 205623093
Conc: 443.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



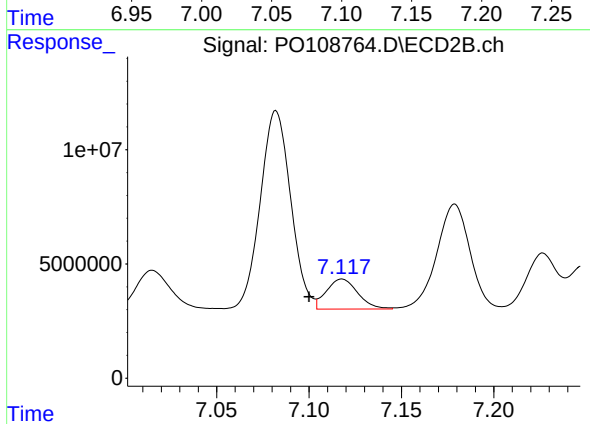
#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.018 min
Response: 135441984
Conc: 513.88 ng/ml



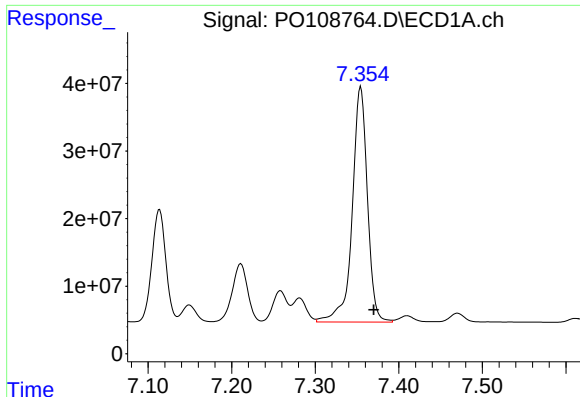
#34 AR-1260-4

R.T.: 7.114 min
Delta R.T.: -0.016 min
Response: 191686117
Conc: 450.67 ng/ml



#34 AR-1260-4

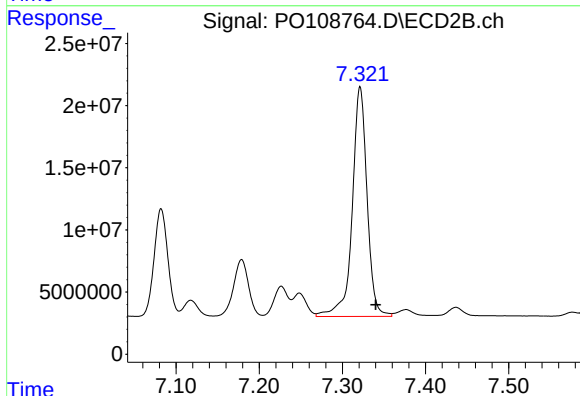
R.T.: 7.118 min
Delta R.T.: 0.018 min
Response: 15583465
Conc: 73.25 ng/ml



#35 AR-1260-5

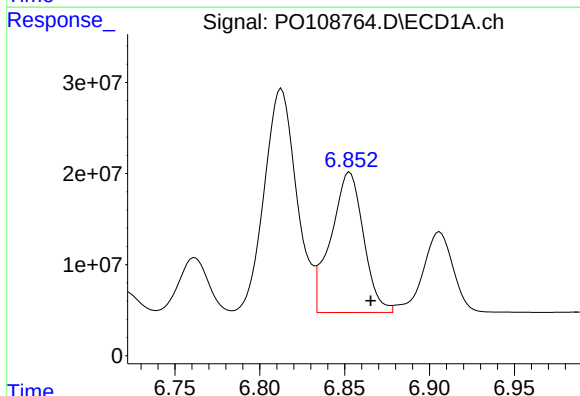
R.T.: 7.354 min
Delta R.T.: -0.016 min
Response: 440110744
Conc: 452.84 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



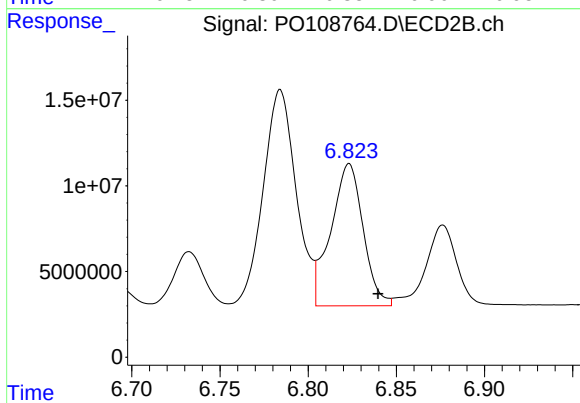
#35 AR-1260-5

R.T.: 7.321 min
Delta R.T.: -0.019 min
Response: 228902246
Conc: 473.00 ng/ml



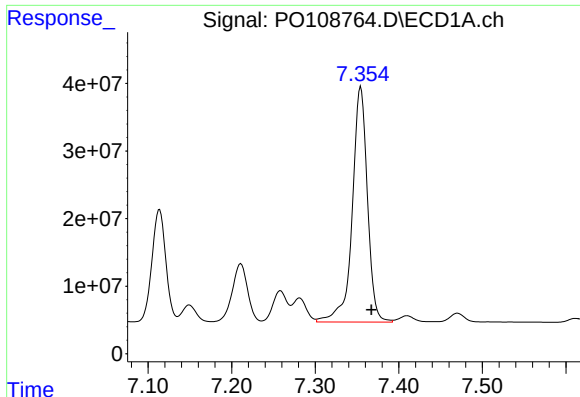
#36 AR-1262-1

R.T.: 6.853 min
Delta R.T.: -0.012 min
Response: 205623093
Conc: 312.31 ng/ml



#36 AR-1262-1

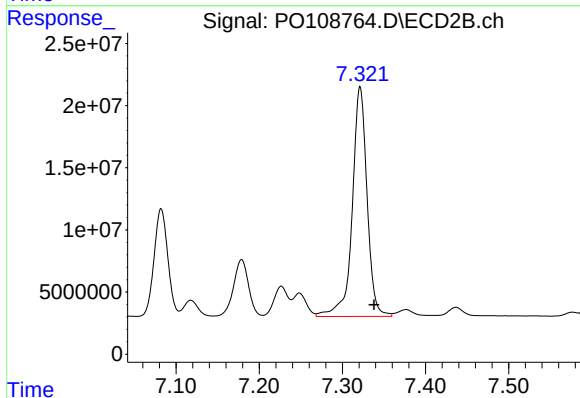
R.T.: 6.823 min
Delta R.T.: -0.016 min
Response: 105778175
Conc: 312.98 ng/ml



#37 AR-1262-2

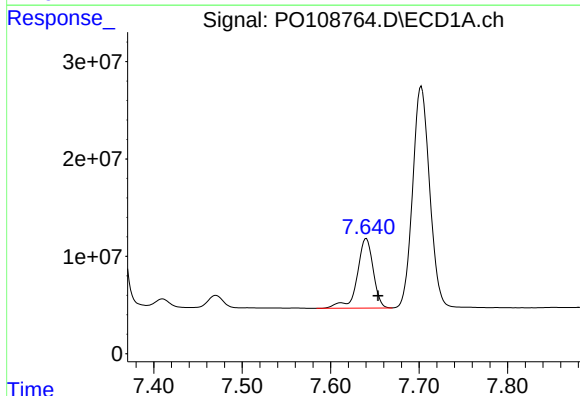
R.T.: 7.354 min
Delta R.T.: -0.013 min
Response: 440110744
Conc: 395.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



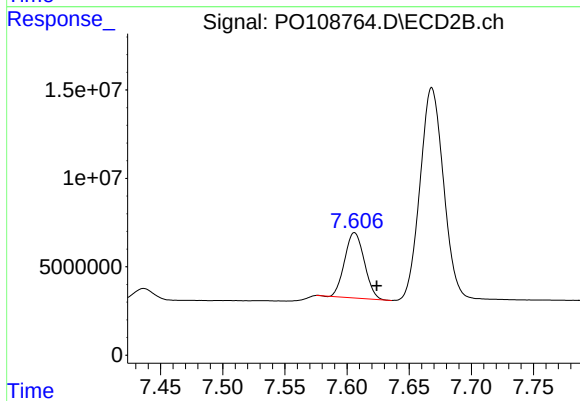
#37 AR-1262-2

R.T.: 7.321 min
Delta R.T.: -0.017 min
Response: 228902246
Conc: 400.28 ng/ml



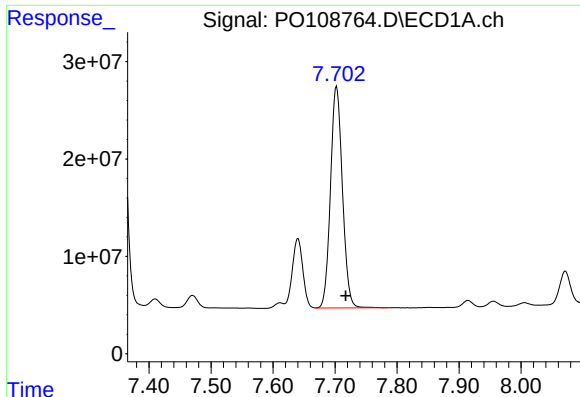
#38 AR-1262-3

R.T.: 7.640 min
Delta R.T.: -0.014 min
Response: 90083680
Conc: 206.21 ng/ml



#38 AR-1262-3

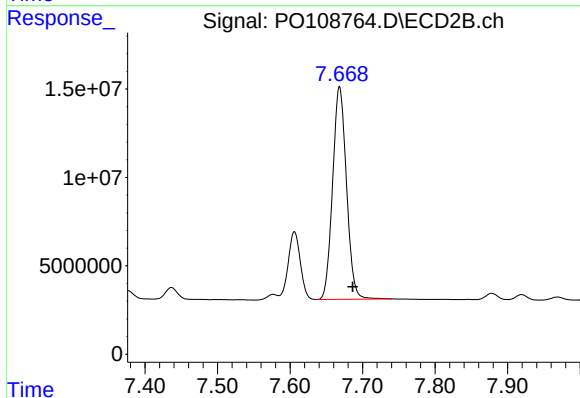
R.T.: 7.606 min
Delta R.T.: -0.018 min
Response: 40815961
Conc: 181.87 ng/ml



#39 AR-1262-4

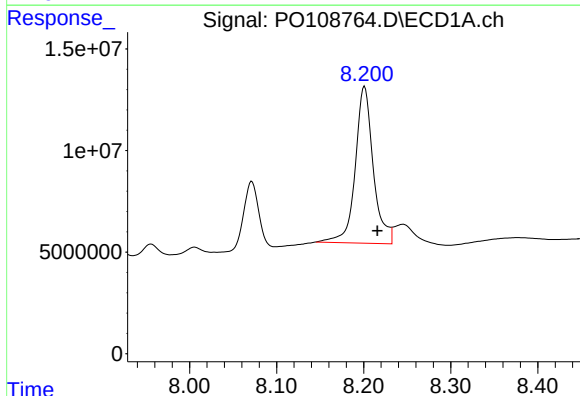
R.T.: 7.703 min
Delta R.T.: -0.015 min
Response: 304408639
Conc: 377.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



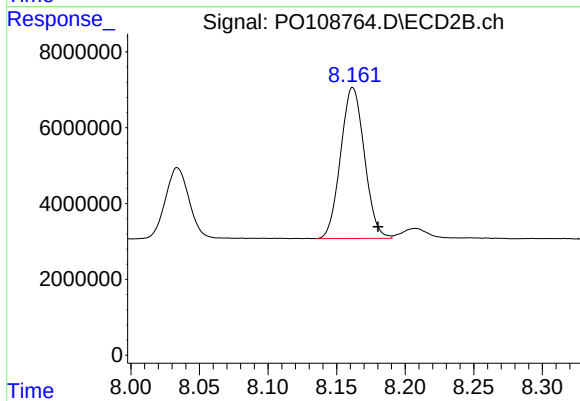
#39 AR-1262-4

R.T.: 7.668 min
Delta R.T.: -0.018 min
Response: 159542632
Conc: 389.52 ng/ml



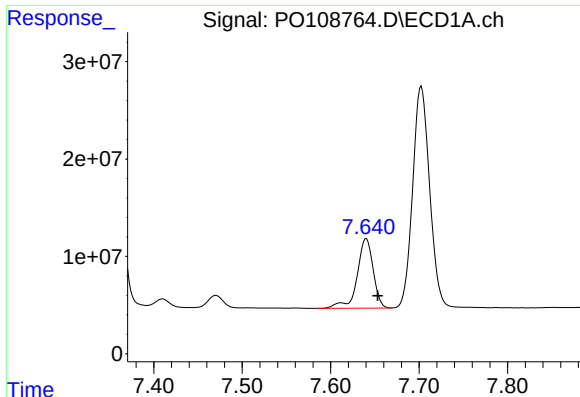
#40 AR-1262-5

R.T.: 8.201 min
Delta R.T.: -0.015 min
Response: 111204785
Conc: 313.31 ng/ml



#40 AR-1262-5

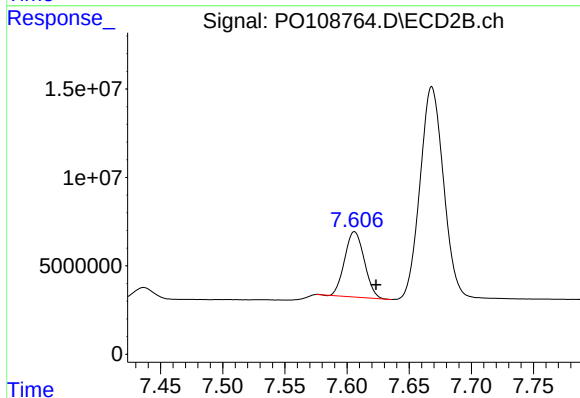
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 48133383
Conc: 260.42 ng/ml



#41 AR-1268-1

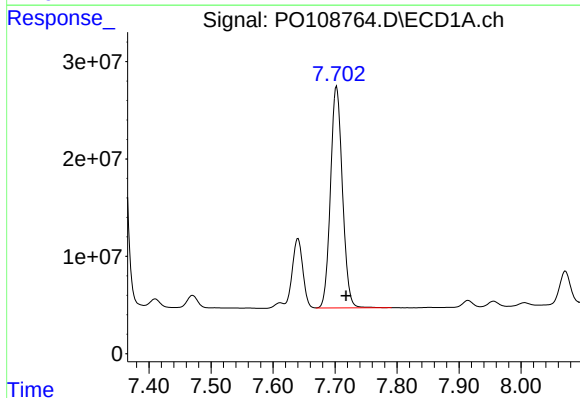
R.T.: 7.640 min
Delta R.T.: -0.013 min
Response: 90083680
Conc: 72.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



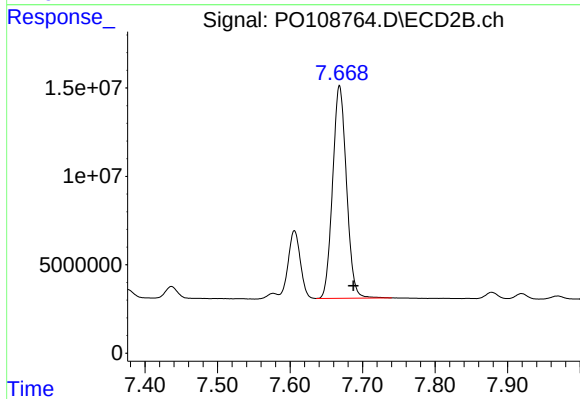
#41 AR-1268-1

R.T.: 7.606 min
Delta R.T.: -0.017 min
Response: 40815961
Conc: 63.19 ng/ml



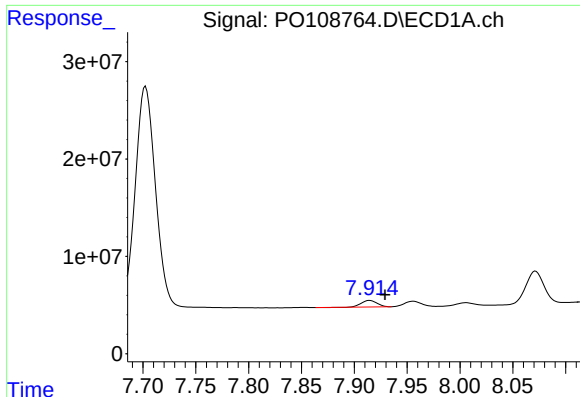
#42 AR-1268-2

R.T.: 7.703 min
Delta R.T.: -0.015 min
Response: 304408639
Conc: 271.39 ng/ml



#42 AR-1268-2

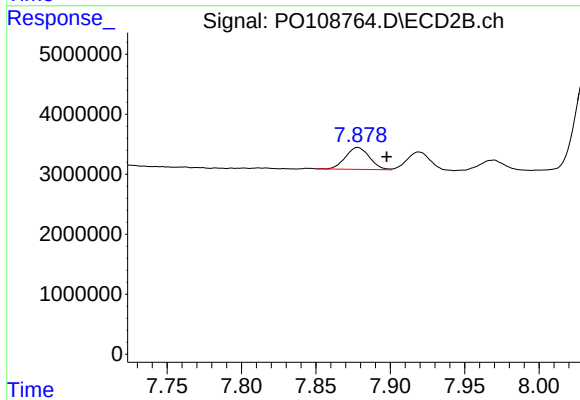
R.T.: 7.668 min
Delta R.T.: -0.019 min
Response: 159542632
Conc: 274.35 ng/ml



#43 AR-1268-3

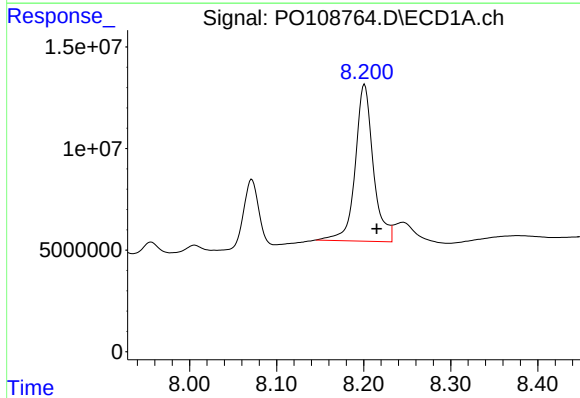
R.T.: 7.915 min
Delta R.T.: -0.014 min
Response: 7078949
Conc: 7.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



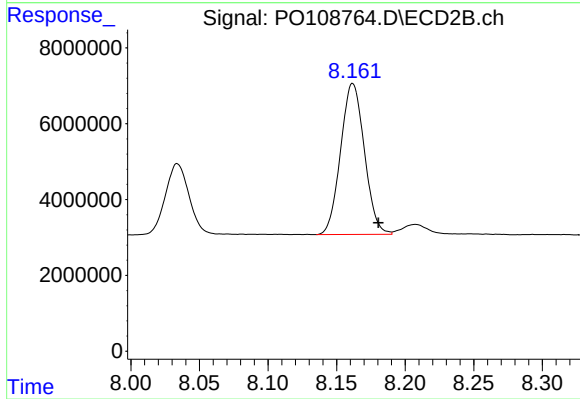
#43 AR-1268-3

R.T.: 7.878 min
Delta R.T.: -0.019 min
Response: 4076229
Conc: 8.17 ng/ml



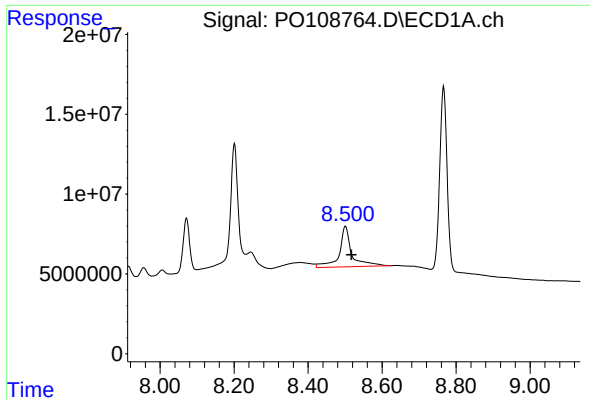
#44 AR-1268-4

R.T.: 8.201 min
Delta R.T.: -0.014 min
Response: 111204785
Conc: 287.42 ng/ml



#44 AR-1268-4

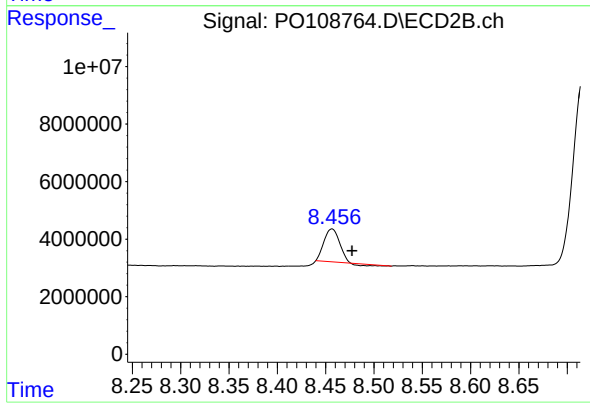
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 48133383
Conc: 237.06 ng/ml



#45 AR-1268-5

R.T.: 8.501 min
Delta R.T.: -0.017 min
Response: 59814013
Conc: 21.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165843BS



#45 AR-1268-5

R.T.: 8.457 min
Delta R.T.: -0.021 min
Response: 12129690
Conc: 8.17 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0122624\
Data File : P0108767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 13:34
Operator : YP/AJ
Sample : P5318-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:25:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	117.1E6	63005635	13.465	12.429
2)	SA Decachlor...	8.767	8.716	79994059	47034703	10.952	12.138
Target Compounds							
3)	L1 AR-1016-1	4.819	4.806	167.5E6	86817867	542.969	541.008
4)	L1 AR-1016-2	4.819	4.806	167.5E6	86817867	401.216	390.908
5)	L1 AR-1016-3	4.875	4.982	129.0E6	47595257	440.822	378.240
6)	L1 AR-1016-4	4.996	5.023	88319941	39357397	382.045	375.527
7)	L1 AR-1016-5	5.253	5.236	70709034	41496048	280.959	306.898
8)	L2 AR-1221-1	3.916	3.911	15630496	6177341	138.147	99.438 #
9)	L2 AR-1221-2	4.004	3.998	26970808	9499566	311.009	200.223 #
10)	L2 AR-1221-3	4.081	4.074	63773289	32894724	250.873	233.981
11)	L3 AR-1232-1	4.081	4.074	63773289	32894724	311.438	293.567
12)	L3 AR-1232-2	4.576	4.806	101.3E6	86817867	885.662	820.942
13)	L3 AR-1232-3	4.819	4.982	167.5E6	47595257	848.077	788.691
14)	L3 AR-1232-4	4.996	5.066	88319941	42992007	814.912	773.843
15)	L3 AR-1232-5	5.039	5.236	73344998	41496048	936.366	720.715
16)	L4 AR-1242-1	4.799	4.806	119.4E6	86817867	463.951	639.458 #
17)	L4 AR-1242-2	4.819	4.806	167.5E6	86817867	485.208	468.126
18)	L4 AR-1242-3	4.875	4.982	129.0E6	47595257	534.793	451.643
19)	L4 AR-1242-4	4.996	5.066	88319941	42992007	463.101	400.564
20)	L4 AR-1242-5	5.651	5.589	17544399	48356400	84.482	382.566 #
21)	L5 AR-1248-1	4.799	4.806	119.4E6	86817867	596.117	825.901 #
22)	L5 AR-1248-2	5.039	5.023	73344998	39357397	264.606	263.564
23)	L5 AR-1248-3	5.253	5.066	70709034	42992007	207.358	271.394 #
24)	L5 AR-1248-4	5.610	5.236	83640162	41496048	175.520	227.313 #
25)	L5 AR-1248-5	5.651	5.630	17544399	10186633	51.813	58.009
26)	L6 AR-1254-1	5.610	5.589	83640162	48356400	162.838	178.548
27)	L6 AR-1254-2	5.758	5.736	72002105	41927909	158.087	174.685
28)	L6 AR-1254-3	6.181	6.155	150.4E6	72852179	208.821	194.008
29)	L6 AR-1254-4	6.394	6.367	21409815	12408858	48.790	57.006
30)	L6 AR-1254-5	6.813	6.784	205.2E6	121.2E6	323.152	375.633
31)	L7 AR-1260-1	6.296	6.270	143.5E6	82940985	313.875	354.395
32)	L7 AR-1260-2	6.485	6.457	165.4E6	97504750	297.586	347.527
33)	L7 AR-1260-3	6.854	6.610	104.5E6	90045747	225.333	341.641 #
34)	L7 AR-1260-4	7.113	7.118	99412583	11286310	233.725	53.050 #
35)	L7 AR-1260-5	7.355	7.321	226.1E6	134.4E6	232.673	277.749
36)	L8 AR-1262-1	6.854	6.823	104.5E6	64306554	158.692	190.270
37)	L8 AR-1262-2	7.355	7.321	226.1E6	134.4E6	203.409	235.046
38)	L8 AR-1262-3	7.641	7.606	45774571	22986371	104.782	102.422
39)	L8 AR-1262-4	7.704	7.668	160.7E6	92092849	199.275	224.843
40)	L8 AR-1262-5	8.202	8.162	49773610	28093378	140.233	151.997
41)	L9 AR-1268-1	7.641	7.606	45774571	22986371	36.796	35.587

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 13:34
Operator : YP/AJ
Sample : P5318-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:25:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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
42) L9	AR-1268-2	7.704	7.668	160.7E6	92092849	143.247	158.364
43) L9	AR-1268-3	7.915	7.879	5478738	2202513	6.046	4.415 #
44) L9	AR-1268-4	8.202	8.162	49773610	28093378	128.646	138.364
45) L9	AR-1268-5	8.501	8.493	16563216	223361	5.975	0.150 #

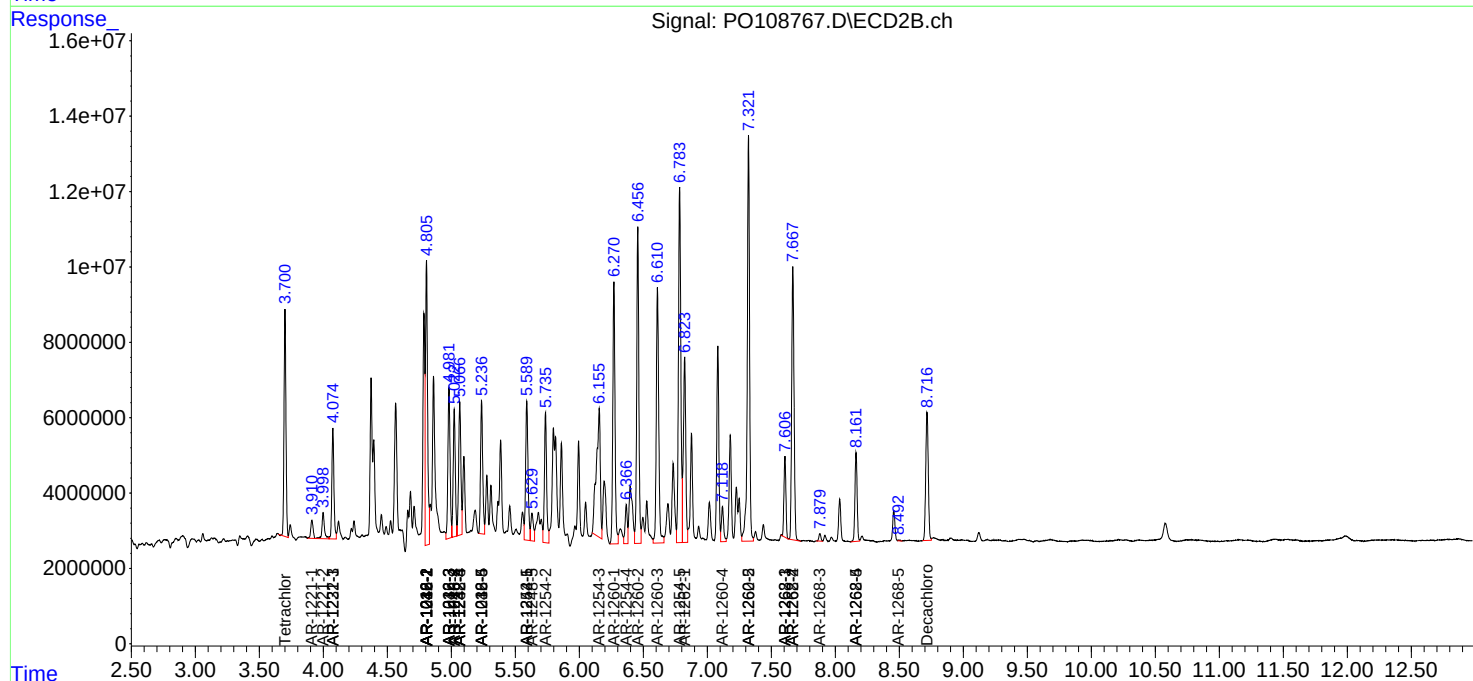
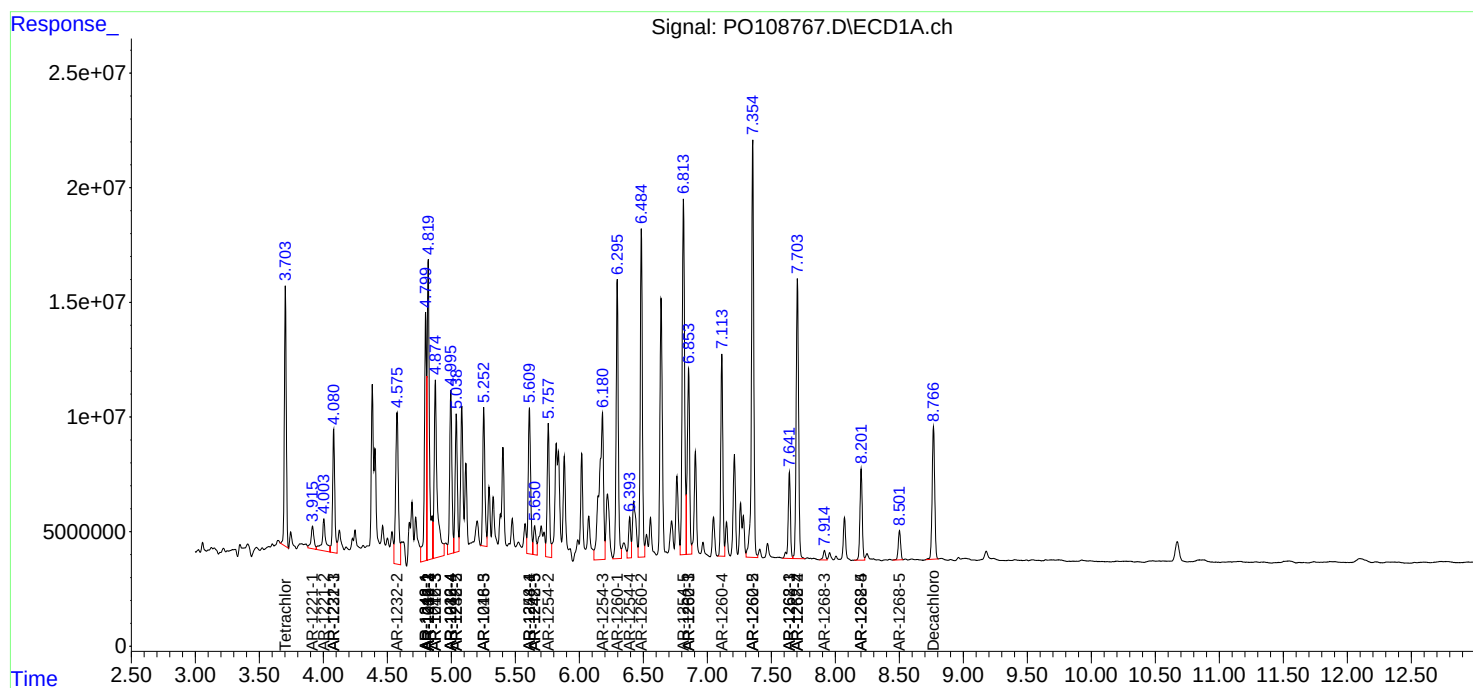
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

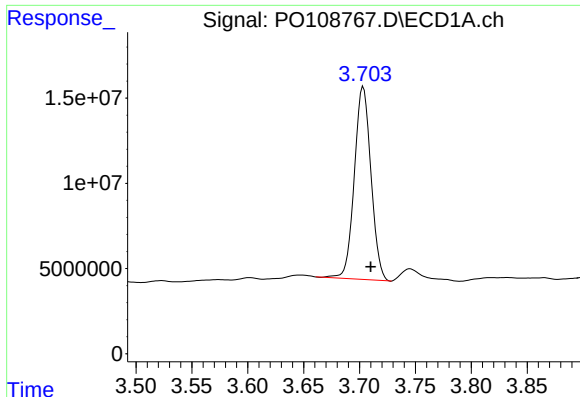
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 13:34
Operator : YP/AJ
Sample : P5318-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:25:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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

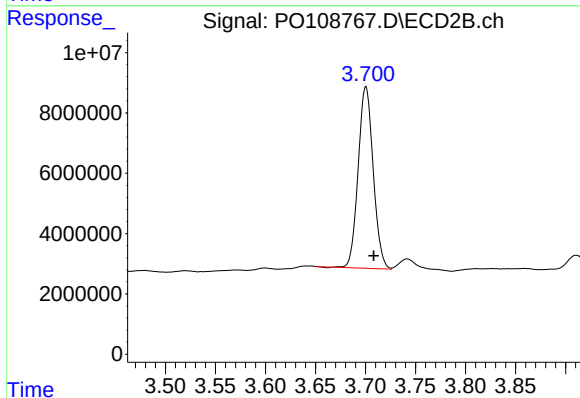




#1 Tetrachloro-m-xylene

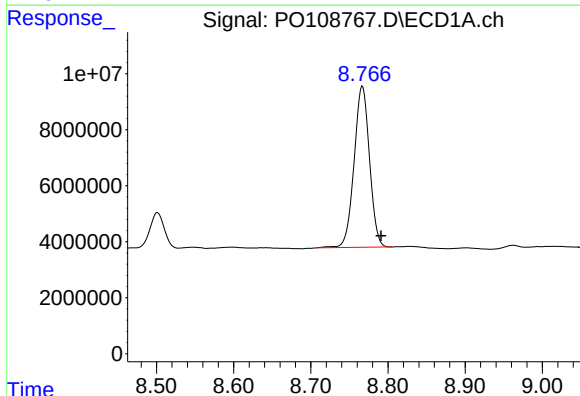
R.T.: 3.703 min
Delta R.T.: -0.007 min
Response: 117147112
Conc: 13.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



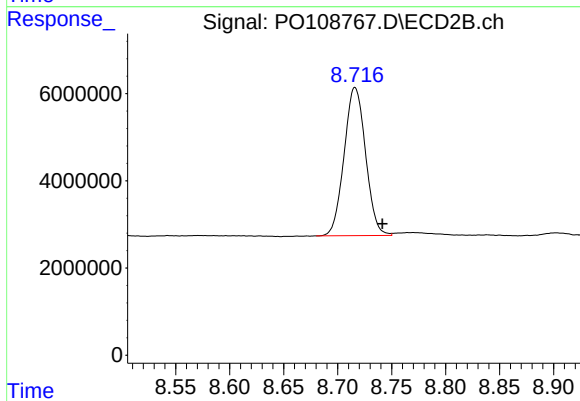
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.008 min
Response: 63005635
Conc: 12.43 ng/ml



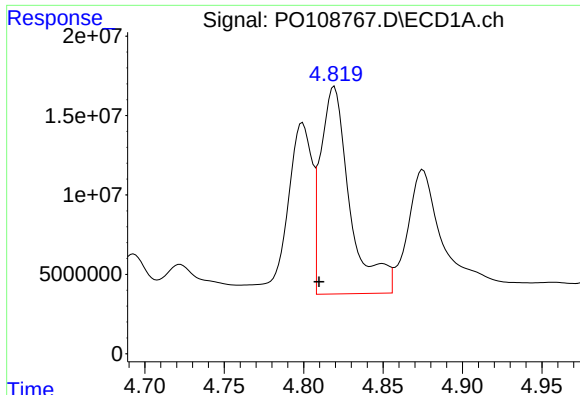
#2 Decachlorobiphenyl

R.T.: 8.767 min
Delta R.T.: -0.024 min
Response: 79994059
Conc: 10.95 ng/ml



#2 Decachlorobiphenyl

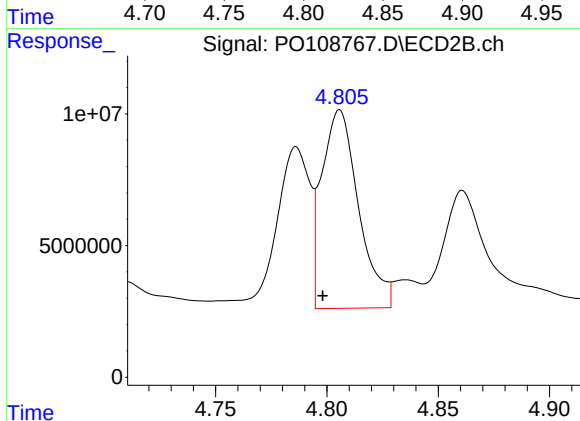
R.T.: 8.716 min
Delta R.T.: -0.025 min
Response: 47034703
Conc: 12.14 ng/ml



#3 AR-1016-1

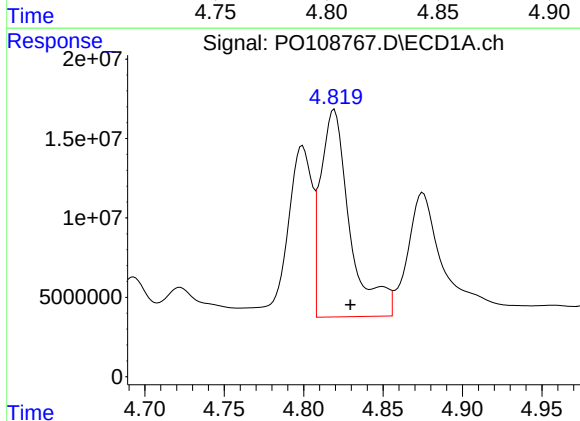
R.T.: 4.819 min
Delta R.T.: 0.010 min
Response: 167475180
Conc: 542.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



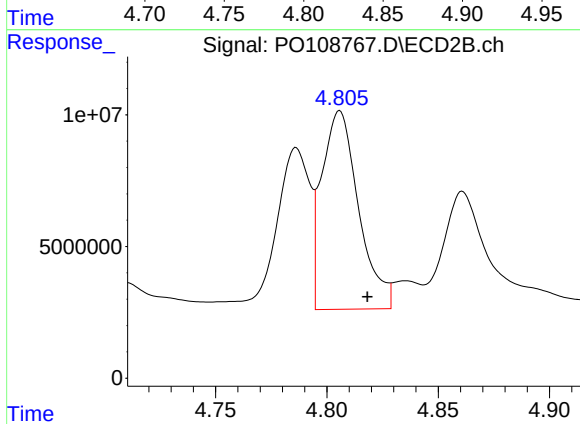
#3 AR-1016-1

R.T.: 4.806 min
Delta R.T.: 0.008 min
Response: 86817867
Conc: 541.01 ng/ml



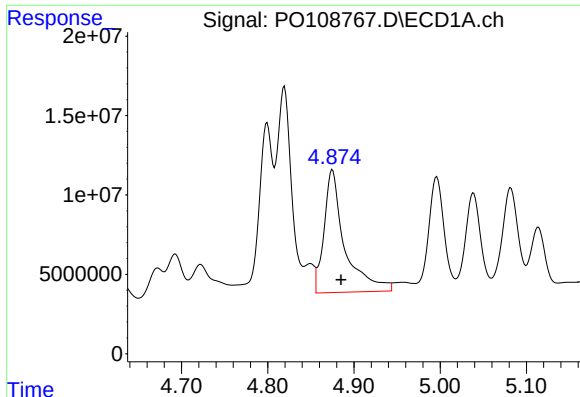
#4 AR-1016-2

R.T.: 4.819 min
Delta R.T.: -0.010 min
Response: 167475180
Conc: 401.22 ng/ml



#4 AR-1016-2

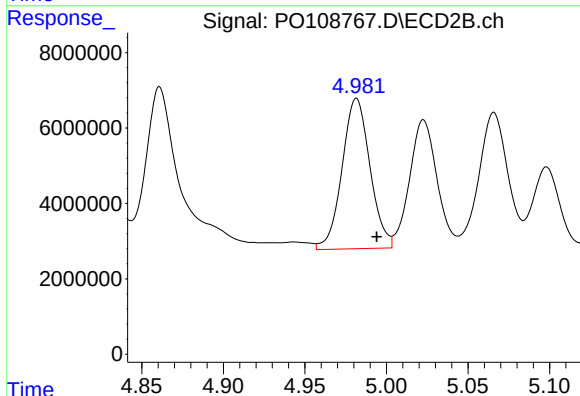
R.T.: 4.806 min
Delta R.T.: -0.012 min
Response: 86817867
Conc: 390.91 ng/ml



#5 AR-1016-3

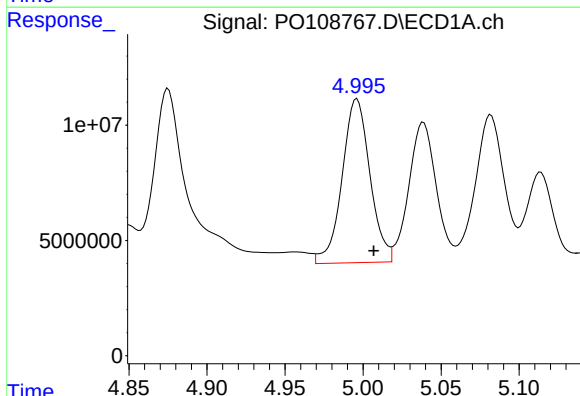
R.T.: 4.875 min
Delta R.T.: -0.010 min
Response: 128998382
Conc: 440.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



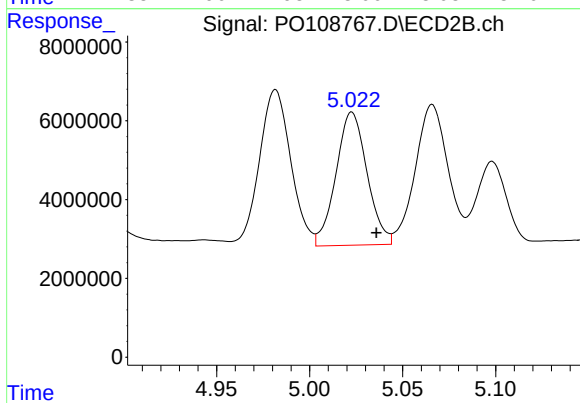
#5 AR-1016-3

R.T.: 4.982 min
Delta R.T.: -0.012 min
Response: 47595257
Conc: 378.24 ng/ml



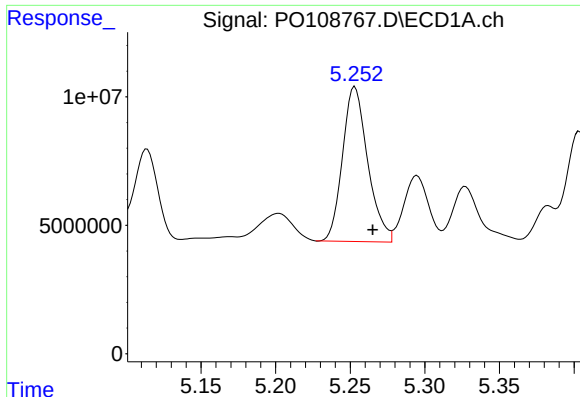
#6 AR-1016-4

R.T.: 4.996 min
Delta R.T.: -0.011 min
Response: 88319941
Conc: 382.04 ng/ml



#6 AR-1016-4

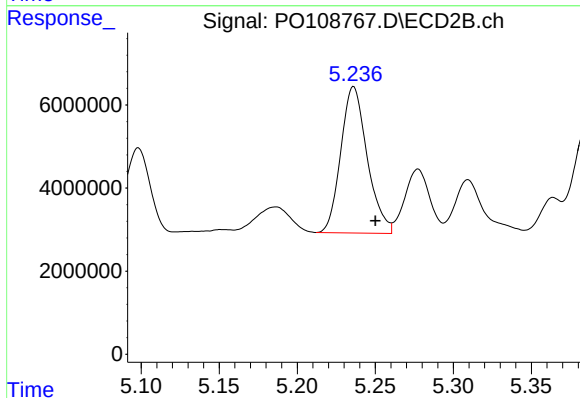
R.T.: 5.023 min
Delta R.T.: -0.013 min
Response: 39357397
Conc: 375.53 ng/ml



#7 AR-1016-5

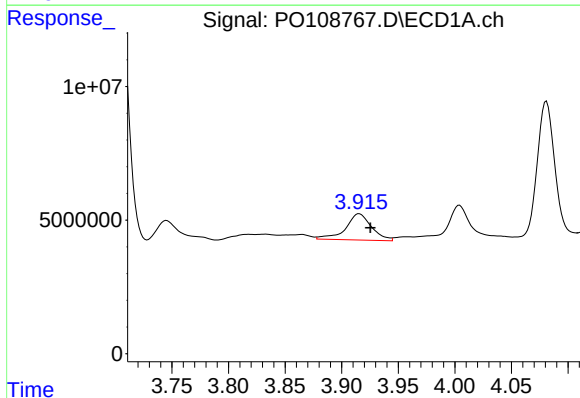
R.T.: 5.253 min
Delta R.T.: -0.012 min
Response: 70709034
Conc: 280.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



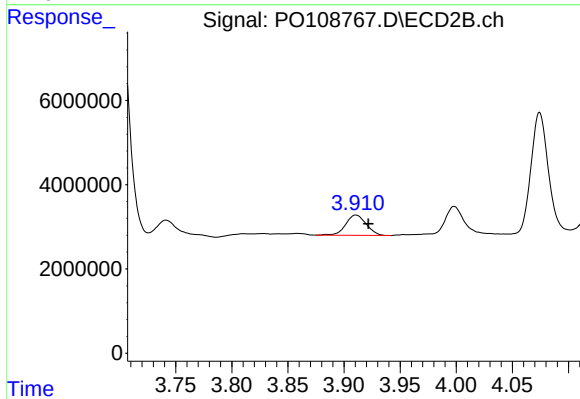
#7 AR-1016-5

R.T.: 5.236 min
Delta R.T.: -0.014 min
Response: 41496048
Conc: 306.90 ng/ml



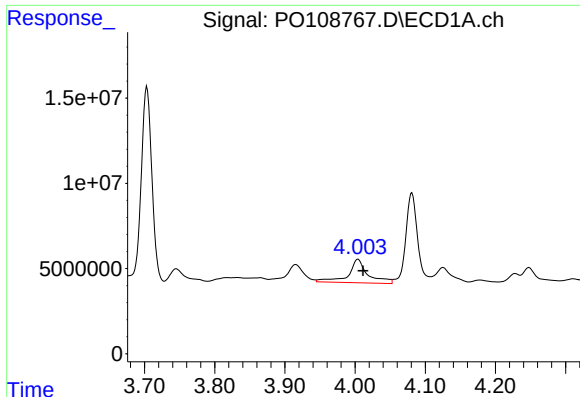
#8 AR-1221-1

R.T.: 3.916 min
Delta R.T.: -0.010 min
Response: 15630496
Conc: 138.15 ng/ml



#8 AR-1221-1

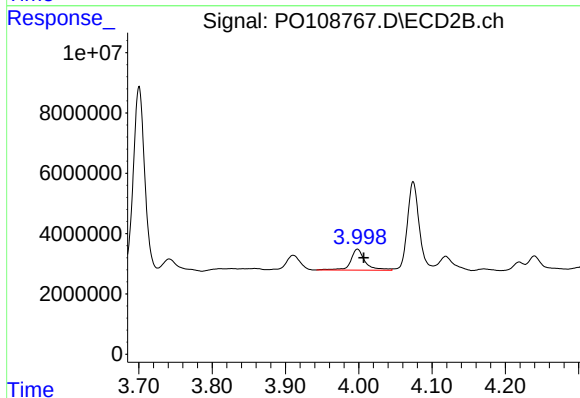
R.T.: 3.911 min
Delta R.T.: -0.011 min
Response: 6177341
Conc: 99.44 ng/ml



#9 AR-1221-2

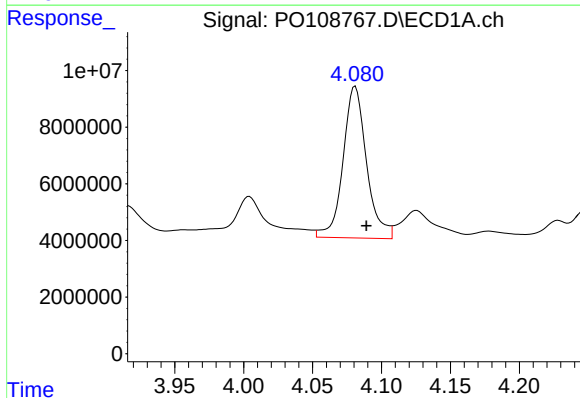
R.T.: 4.004 min
Delta R.T.: -0.007 min
Response: 26970808
Conc: 311.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



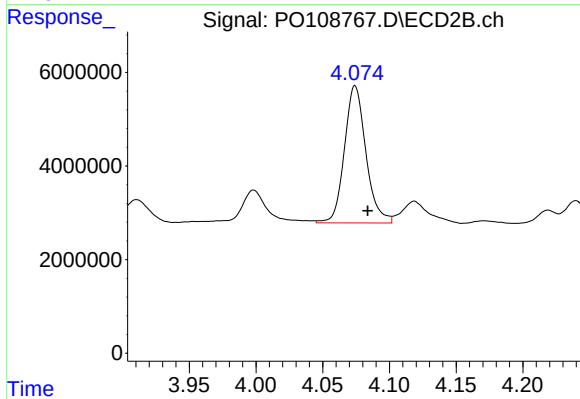
#9 AR-1221-2

R.T.: 3.998 min
Delta R.T.: -0.009 min
Response: 9499566
Conc: 200.22 ng/ml



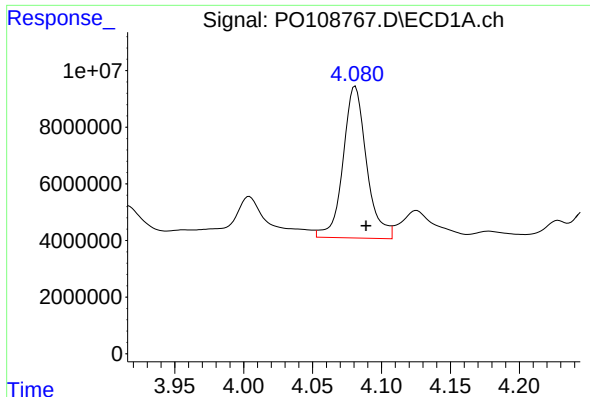
#10 AR-1221-3

R.T.: 4.081 min
Delta R.T.: -0.008 min
Response: 63773289
Conc: 250.87 ng/ml



#10 AR-1221-3

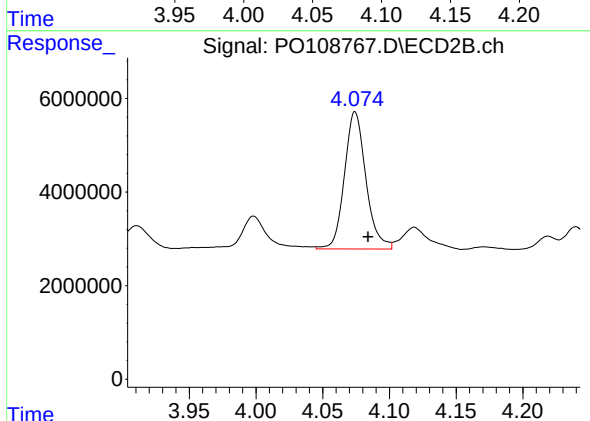
R.T.: 4.074 min
Delta R.T.: -0.009 min
Response: 32894724
Conc: 233.98 ng/ml



#11 AR-1232-1

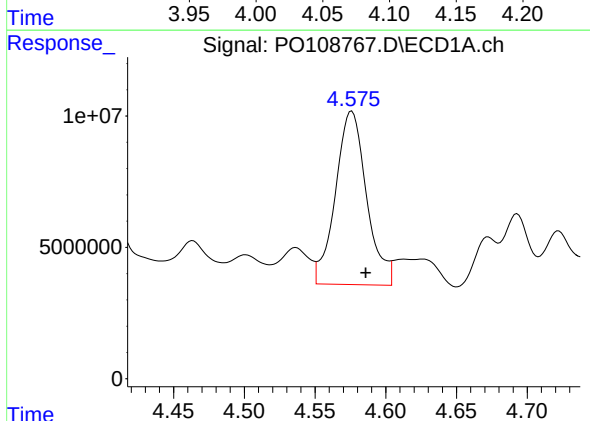
R.T.: 4.081 min
Delta R.T.: -0.008 min
Response: 63773289
Conc: 311.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



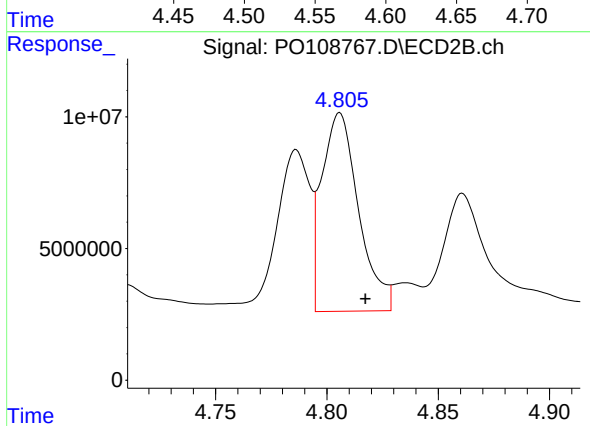
#11 AR-1232-1

R.T.: 4.074 min
Delta R.T.: -0.010 min
Response: 32894724
Conc: 293.57 ng/ml



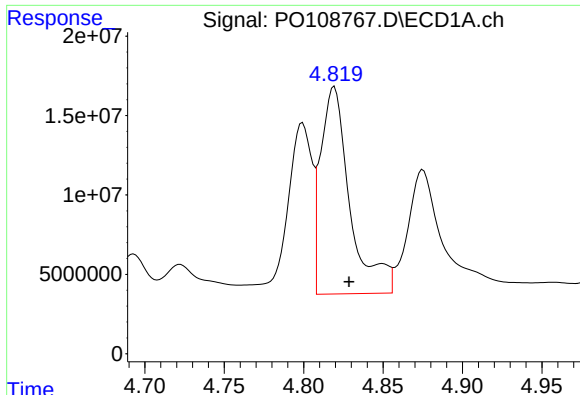
#12 AR-1232-2

R.T.: 4.576 min
Delta R.T.: -0.010 min
Response: 101278489
Conc: 885.66 ng/ml



#12 AR-1232-2

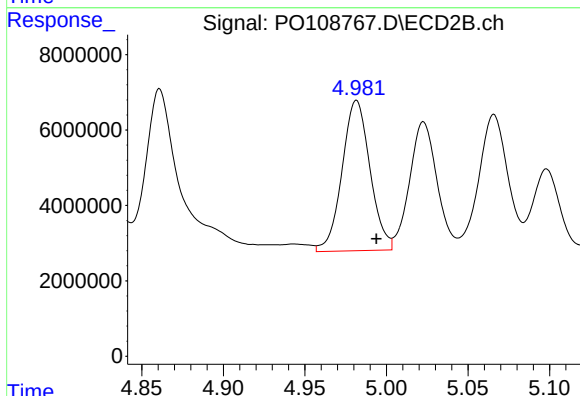
R.T.: 4.806 min
Delta R.T.: -0.012 min
Response: 86817867
Conc: 820.94 ng/ml



#13 AR-1232-3

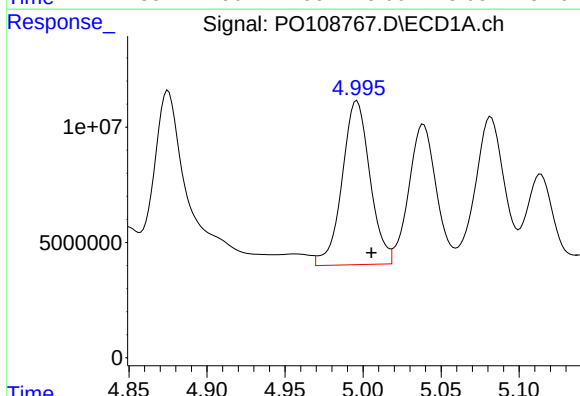
R.T.: 4.819 min
Delta R.T.: -0.010 min
Response: 167475180
Conc: 848.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



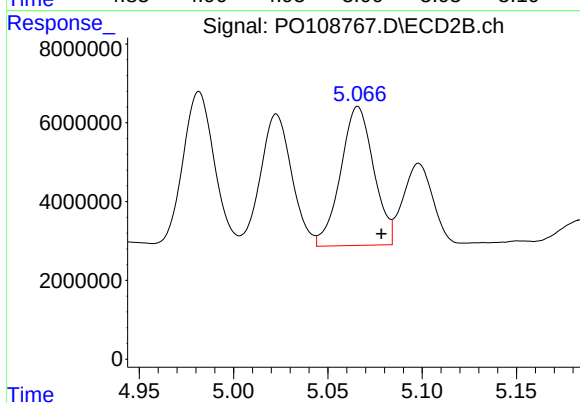
#13 AR-1232-3

R.T.: 4.982 min
Delta R.T.: -0.012 min
Response: 47595257
Conc: 788.69 ng/ml



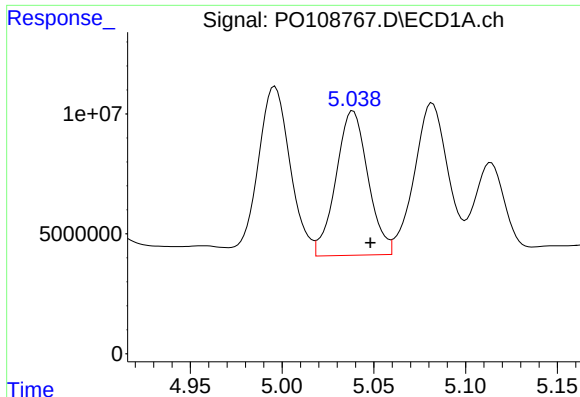
#14 AR-1232-4

R.T.: 4.996 min
Delta R.T.: -0.009 min
Response: 88319941
Conc: 814.91 ng/ml



#14 AR-1232-4

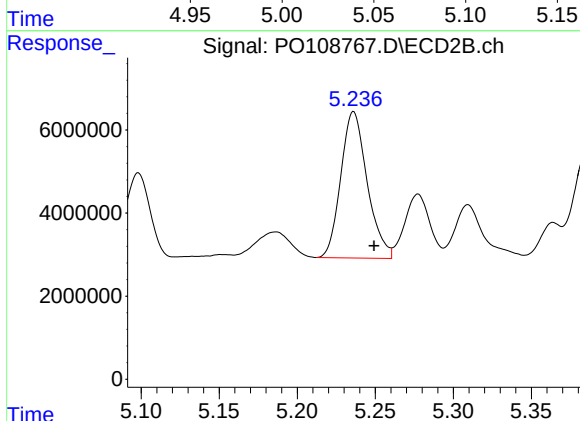
R.T.: 5.066 min
Delta R.T.: -0.012 min
Response: 42992007
Conc: 773.84 ng/ml



#15 AR-1232-5

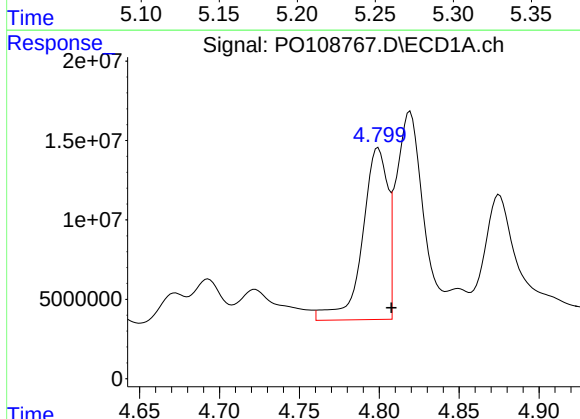
R.T.: 5.039 min
Delta R.T.: -0.009 min
Response: 73344998
Conc: 936.37 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



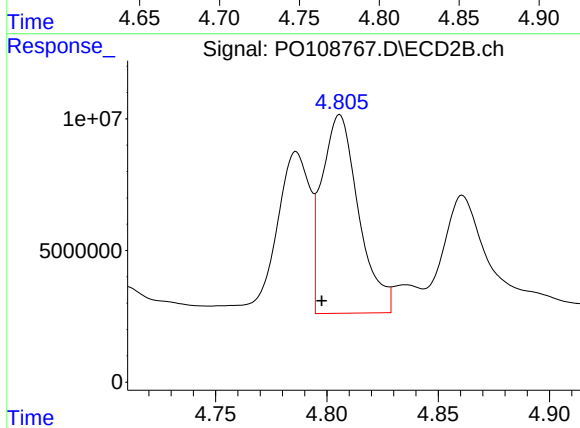
#15 AR-1232-5

R.T.: 5.236 min
Delta R.T.: -0.013 min
Response: 41496048
Conc: 720.72 ng/ml



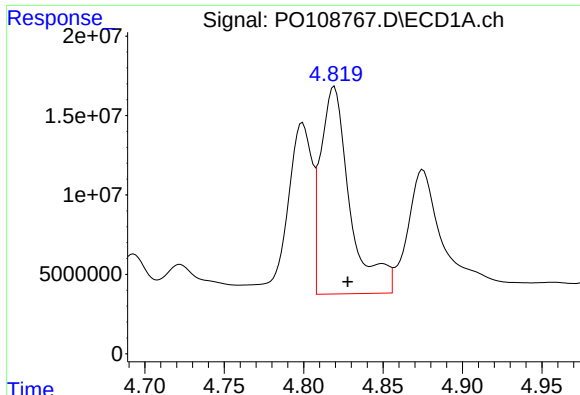
#16 AR-1242-1

R.T.: 4.799 min
Delta R.T.: -0.008 min
Response: 119386191
Conc: 463.95 ng/ml



#16 AR-1242-1

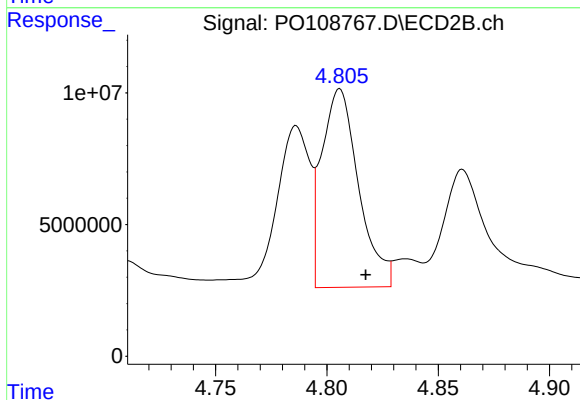
R.T.: 4.806 min
Delta R.T.: 0.008 min
Response: 86817867
Conc: 639.46 ng/ml



#17 AR-1242-2

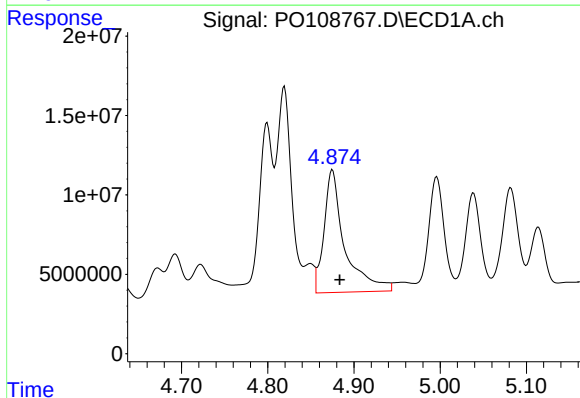
R.T.: 4.819 min
Delta R.T.: -0.008 min
Response: 167475180
Conc: 485.21 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



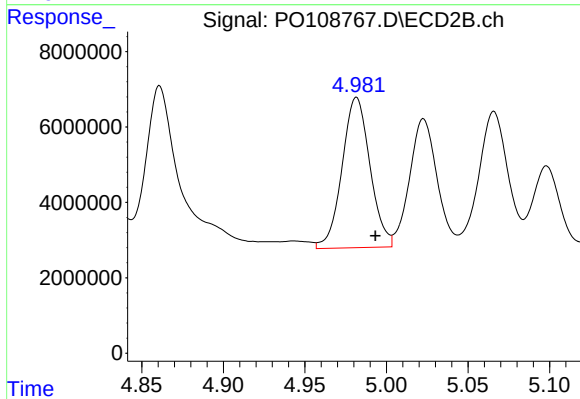
#17 AR-1242-2

R.T.: 4.806 min
Delta R.T.: -0.012 min
Response: 86817867
Conc: 468.13 ng/ml



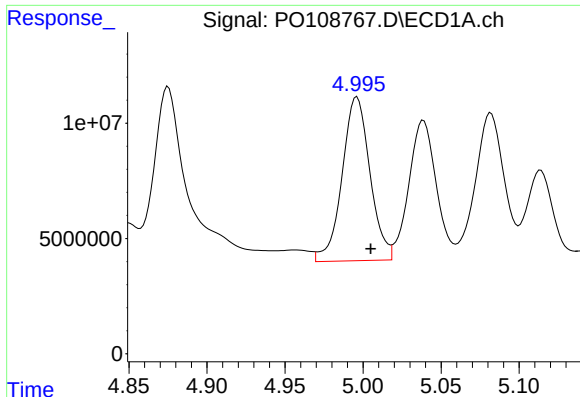
#18 AR-1242-3

R.T.: 4.875 min
Delta R.T.: -0.008 min
Response: 128998382
Conc: 534.79 ng/ml



#18 AR-1242-3

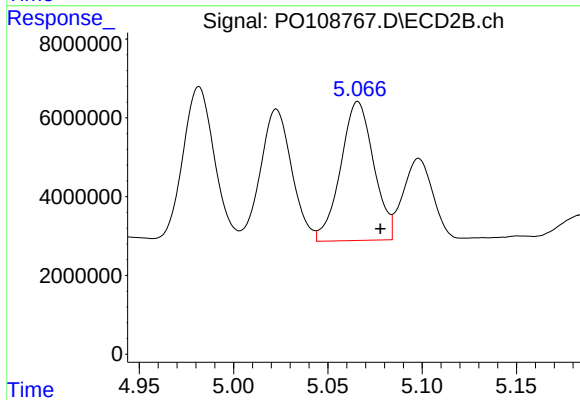
R.T.: 4.982 min
Delta R.T.: -0.012 min
Response: 47595257
Conc: 451.64 ng/ml



#19 AR-1242-4

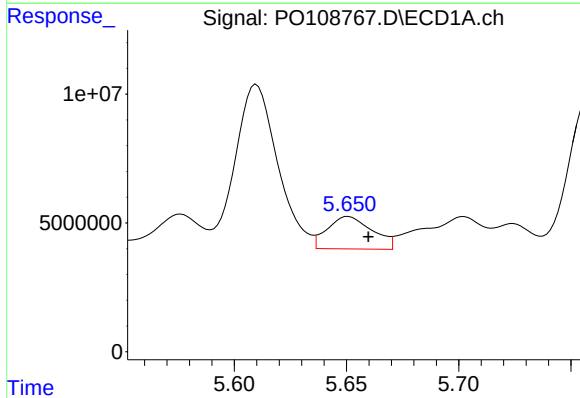
R.T.: 4.996 min
Delta R.T.: -0.009 min
Response: 88319941
Conc: 463.10 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



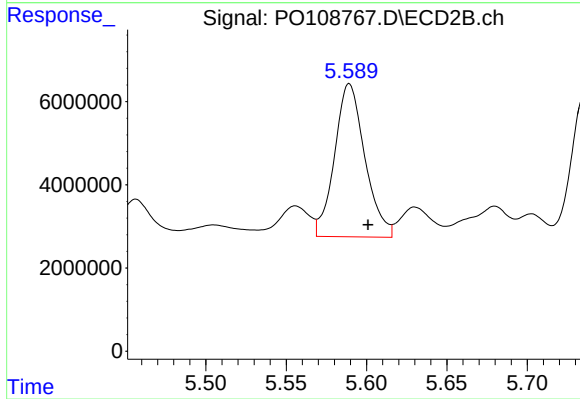
#19 AR-1242-4

R.T.: 5.066 min
Delta R.T.: -0.012 min
Response: 42992007
Conc: 400.56 ng/ml



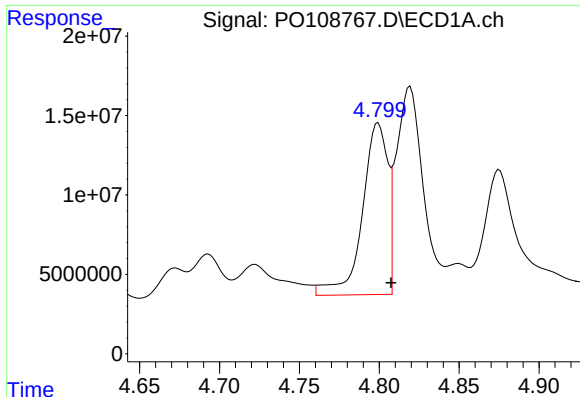
#20 AR-1242-5

R.T.: 5.651 min
Delta R.T.: -0.009 min
Response: 17544399
Conc: 84.48 ng/ml



#20 AR-1242-5

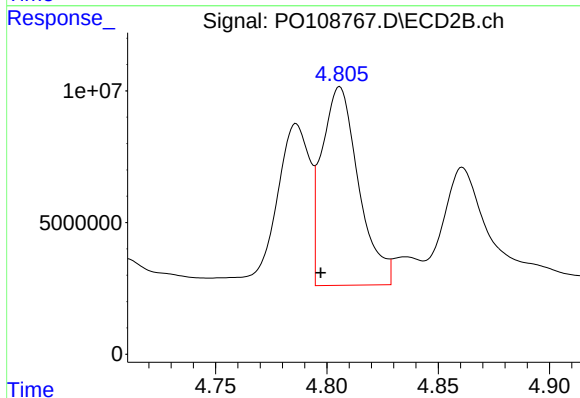
R.T.: 5.589 min
Delta R.T.: -0.012 min
Response: 48356400
Conc: 382.57 ng/ml



#21 AR-1248-1

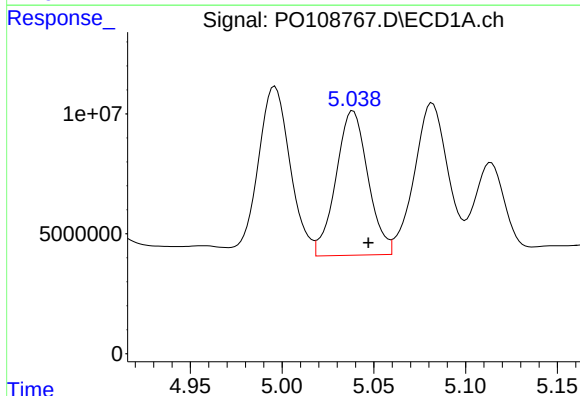
R.T.: 4.799 min
Delta R.T.: -0.008 min
Response: 119386191
Conc: 596.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



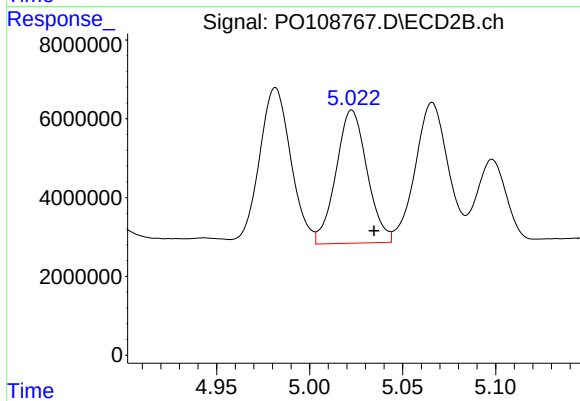
#21 AR-1248-1

R.T.: 4.806 min
Delta R.T.: 0.009 min
Response: 86817867
Conc: 825.90 ng/ml



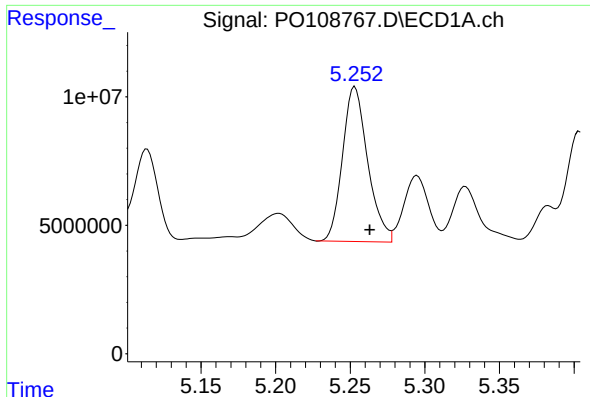
#22 AR-1248-2

R.T.: 5.039 min
Delta R.T.: -0.008 min
Response: 73344998
Conc: 264.61 ng/ml



#22 AR-1248-2

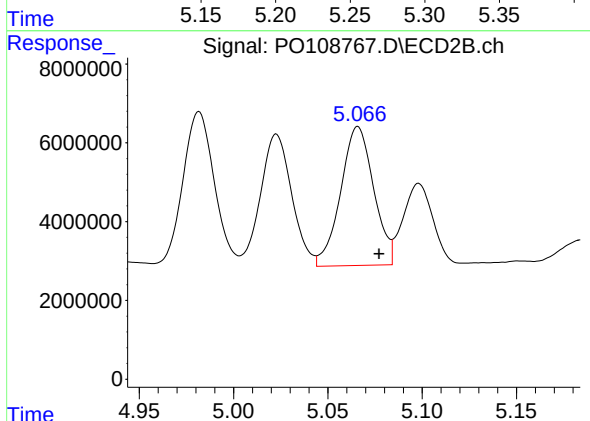
R.T.: 5.023 min
Delta R.T.: -0.012 min
Response: 39357397
Conc: 263.56 ng/ml



#23 AR-1248-3

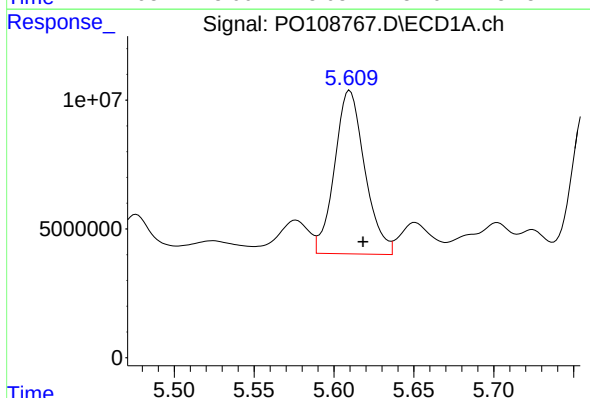
R.T.: 5.253 min
Delta R.T.: -0.010 min
Response: 70709034
Conc: 207.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



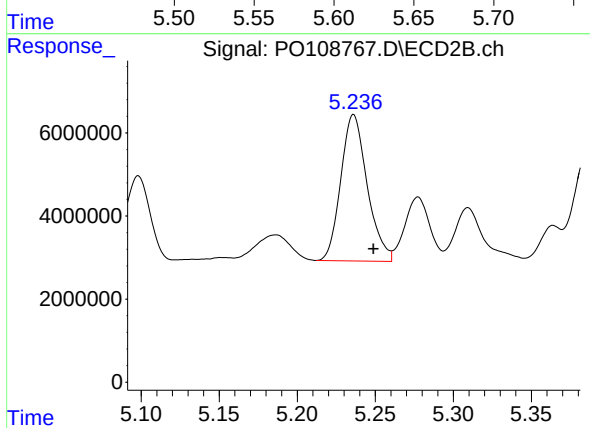
#23 AR-1248-3

R.T.: 5.066 min
Delta R.T.: -0.011 min
Response: 42992007
Conc: 271.39 ng/ml



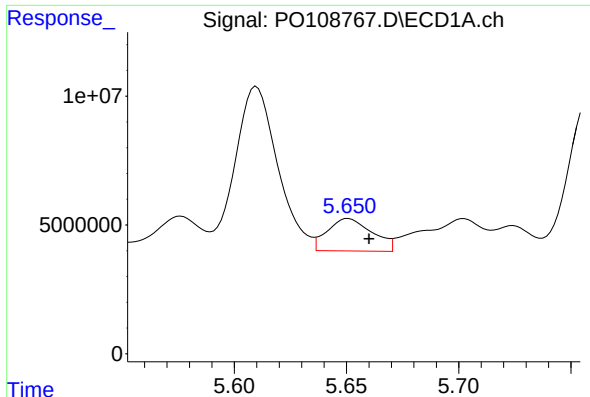
#24 AR-1248-4

R.T.: 5.610 min
Delta R.T.: -0.008 min
Response: 83640162
Conc: 175.52 ng/ml



#24 AR-1248-4

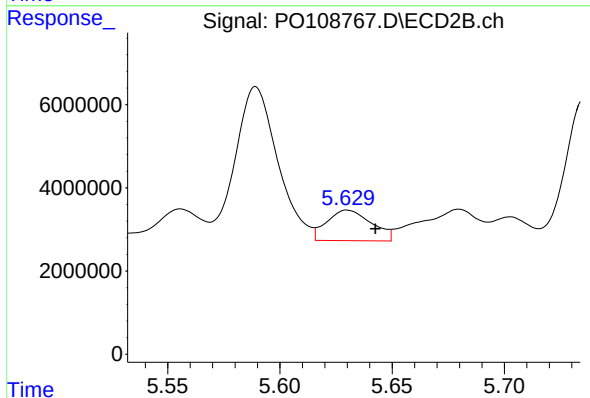
R.T.: 5.236 min
Delta R.T.: -0.013 min
Response: 41496048
Conc: 227.31 ng/ml



#25 AR-1248-5

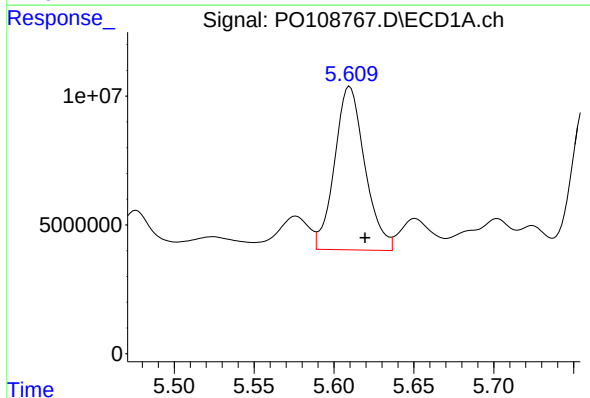
R.T.: 5.651 min
Delta R.T.: -0.009 min
Response: 17544399
Conc: 51.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



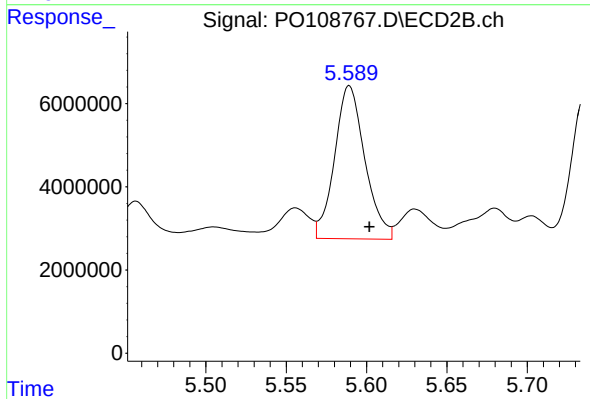
#25 AR-1248-5

R.T.: 5.630 min
Delta R.T.: -0.013 min
Response: 10186633
Conc: 58.01 ng/ml



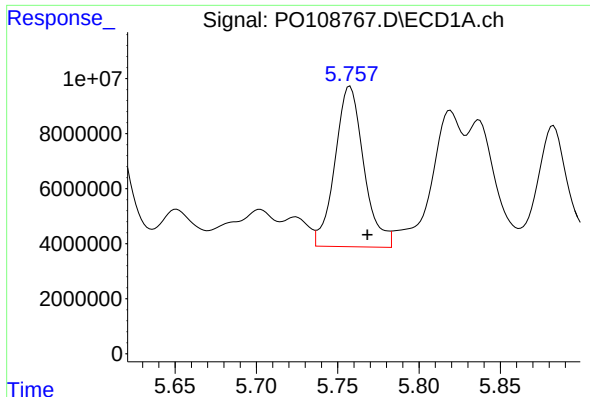
#26 AR-1254-1

R.T.: 5.610 min
Delta R.T.: -0.009 min
Response: 83640162
Conc: 162.84 ng/ml



#26 AR-1254-1

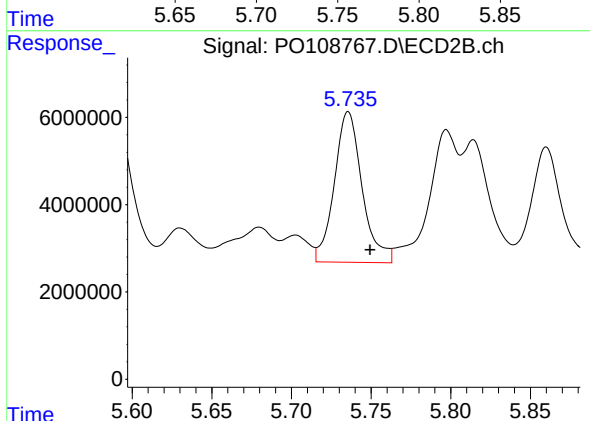
R.T.: 5.589 min
Delta R.T.: -0.013 min
Response: 48356400
Conc: 178.55 ng/ml



#27 AR-1254-2

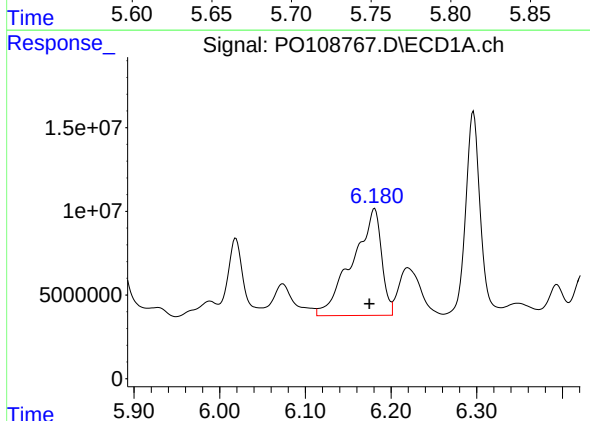
R.T.: 5.758 min
Delta R.T.: -0.011 min
Response: 72002105
Conc: 158.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



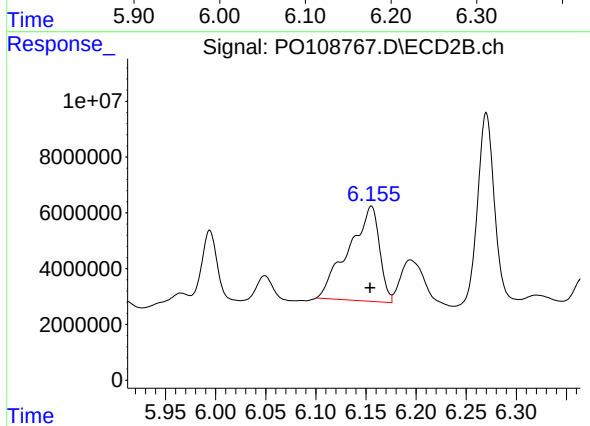
#27 AR-1254-2

R.T.: 5.736 min
Delta R.T.: -0.014 min
Response: 41927909
Conc: 174.68 ng/ml



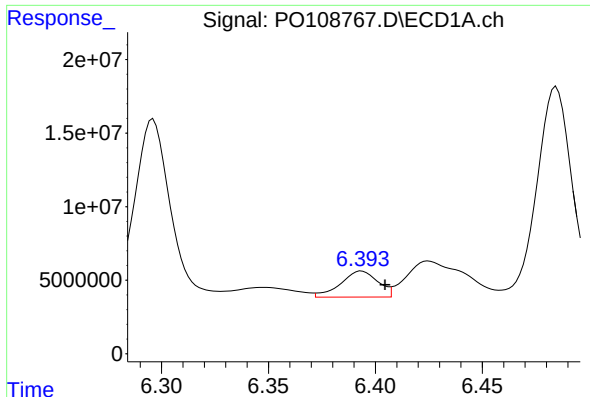
#28 AR-1254-3

R.T.: 6.181 min
Delta R.T.: 0.006 min
Response: 150377779
Conc: 208.82 ng/ml



#28 AR-1254-3

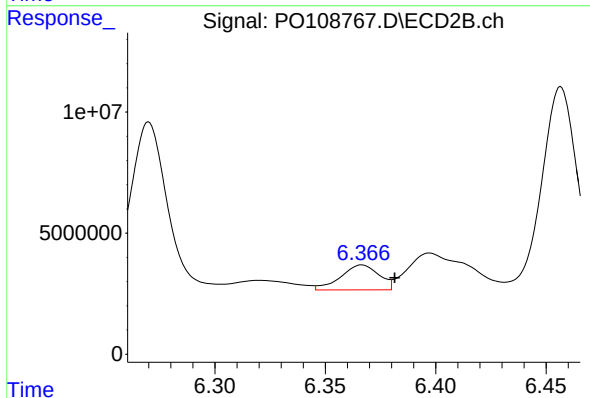
R.T.: 6.155 min
Delta R.T.: 0.001 min
Response: 72852179
Conc: 194.01 ng/ml



#29 AR-1254-4

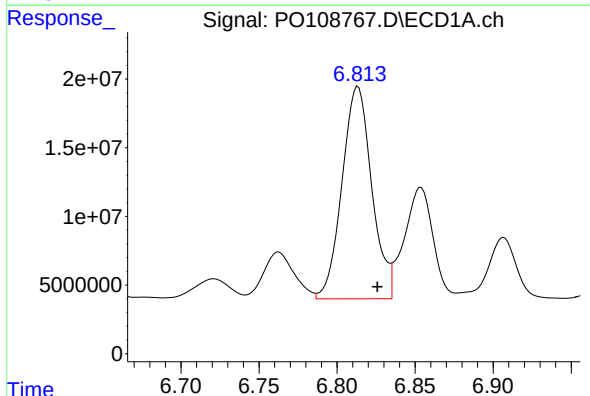
R.T.: 6.394 min
Delta R.T.: -0.011 min
Response: 21409815
Conc: 48.79 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



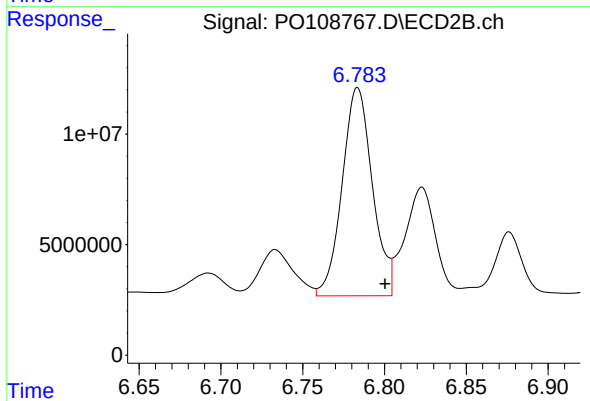
#29 AR-1254-4

R.T.: 6.367 min
Delta R.T.: -0.015 min
Response: 12408858
Conc: 57.01 ng/ml



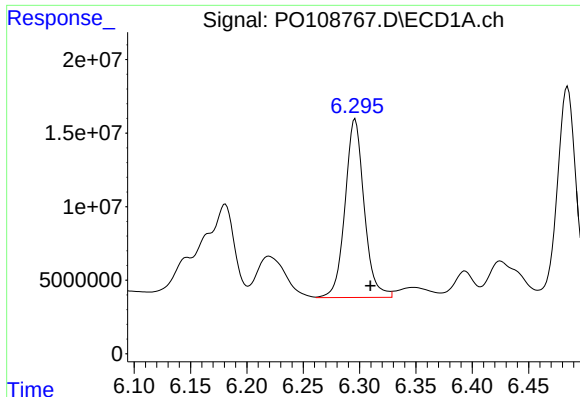
#30 AR-1254-5

R.T.: 6.813 min
Delta R.T.: -0.012 min
Response: 205241012
Conc: 323.15 ng/ml



#30 AR-1254-5

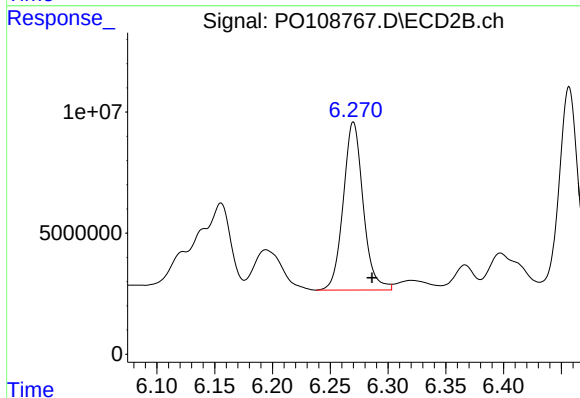
R.T.: 6.784 min
Delta R.T.: -0.017 min
Response: 121239130
Conc: 375.63 ng/ml



#31 AR-1260-1

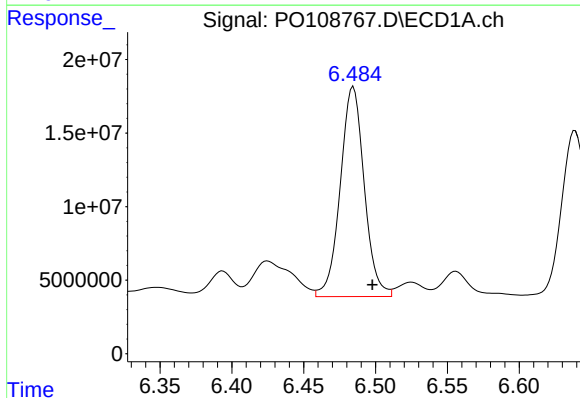
R.T.: 6.296 min
Delta R.T.: -0.014 min
Response: 143486261
Conc: 313.87 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



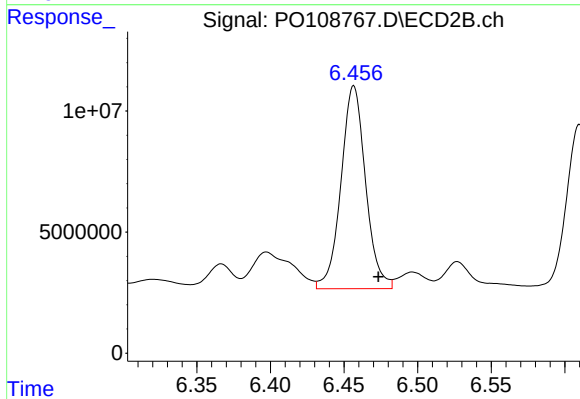
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.016 min
Response: 82940985
Conc: 354.40 ng/ml



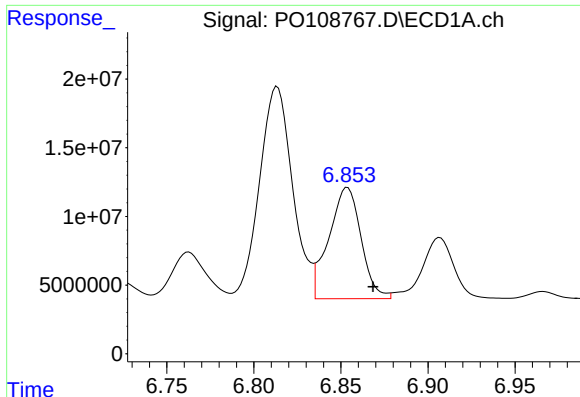
#32 AR-1260-2

R.T.: 6.485 min
Delta R.T.: -0.013 min
Response: 165374306
Conc: 297.59 ng/ml



#32 AR-1260-2

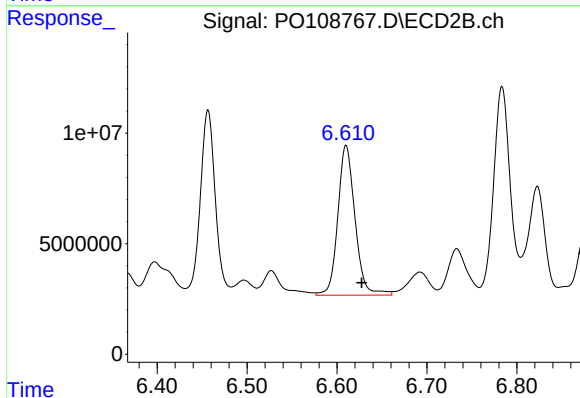
R.T.: 6.457 min
Delta R.T.: -0.017 min
Response: 97504750
Conc: 347.53 ng/ml



#33 AR-1260-3

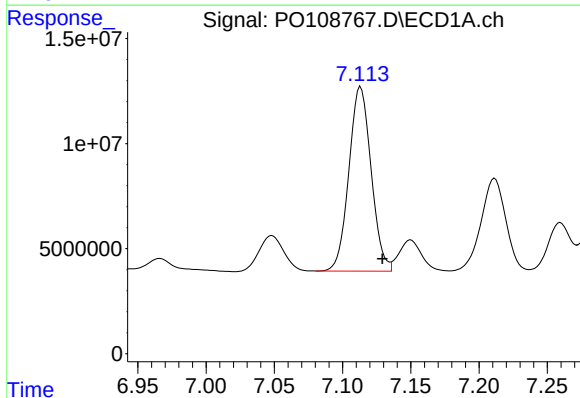
R.T.: 6.854 min
Delta R.T.: -0.015 min
Response: 104482090
Conc: 225.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



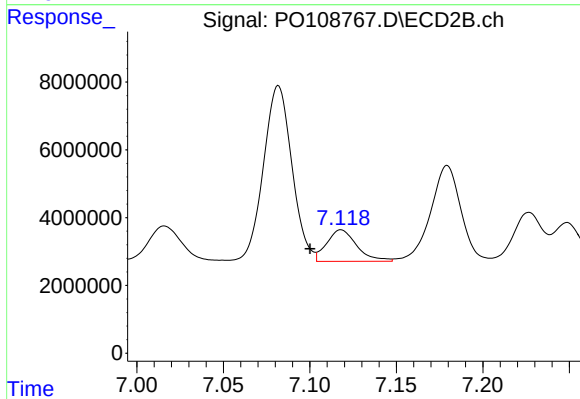
#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.018 min
Response: 90045747
Conc: 341.64 ng/ml



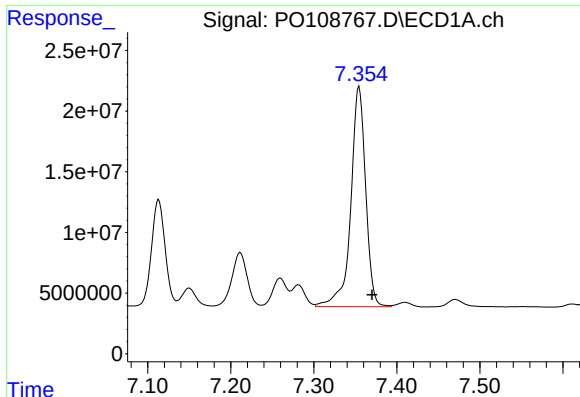
#34 AR-1260-4

R.T.: 7.113 min
Delta R.T.: -0.016 min
Response: 99412583
Conc: 233.72 ng/ml



#34 AR-1260-4

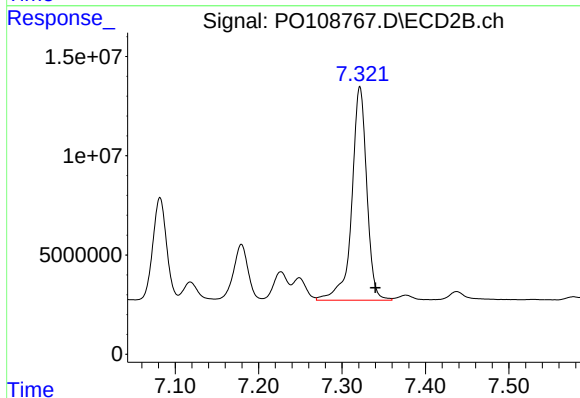
R.T.: 7.118 min
Delta R.T.: 0.018 min
Response: 11286310
Conc: 53.05 ng/ml



#35 AR-1260-5

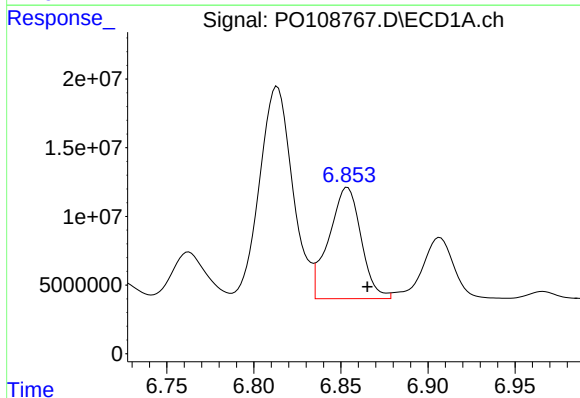
R.T.: 7.355 min
Delta R.T.: -0.015 min
Response: 226131144
Conc: 232.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



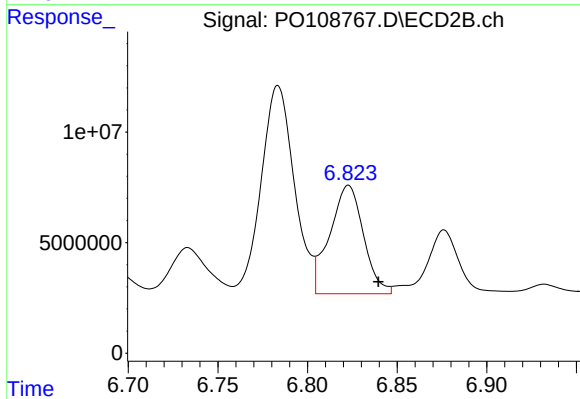
#35 AR-1260-5

R.T.: 7.321 min
Delta R.T.: -0.019 min
Response: 134412068
Conc: 277.75 ng/ml



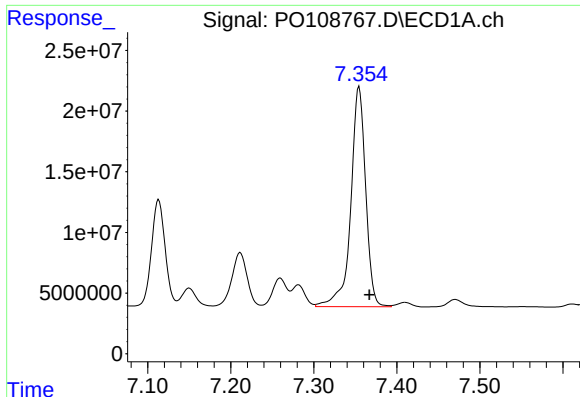
#36 AR-1262-1

R.T.: 6.854 min
Delta R.T.: -0.012 min
Response: 104482090
Conc: 158.69 ng/ml



#36 AR-1262-1

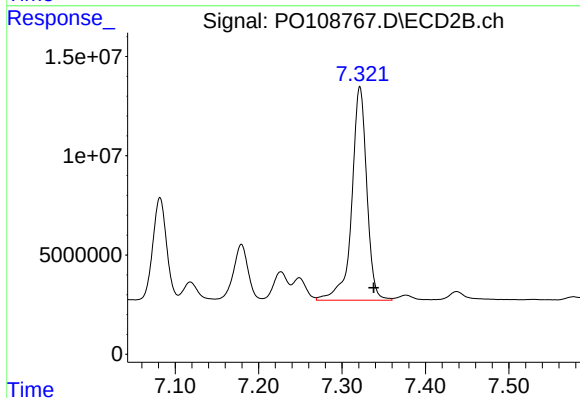
R.T.: 6.823 min
Delta R.T.: -0.017 min
Response: 64306554
Conc: 190.27 ng/ml



#37 AR-1262-2

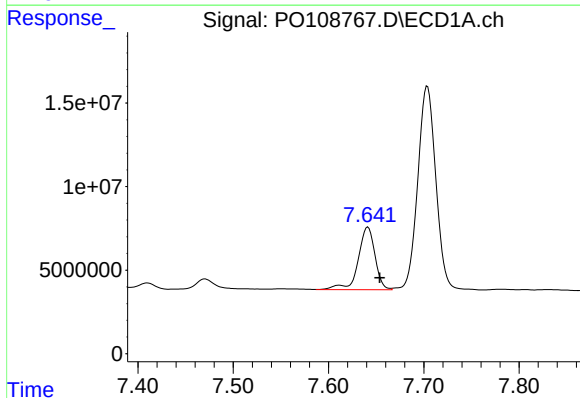
R.T.: 7.355 min
Delta R.T.: -0.013 min
Response: 226131144
Conc: 203.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



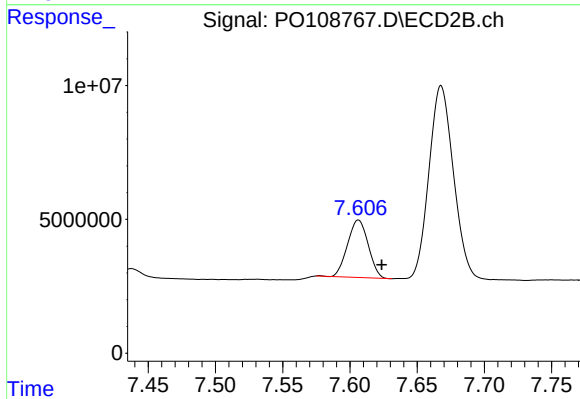
#37 AR-1262-2

R.T.: 7.321 min
Delta R.T.: -0.017 min
Response: 134412068
Conc: 235.05 ng/ml



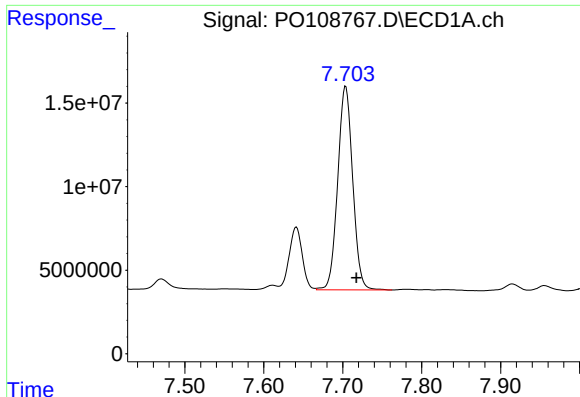
#38 AR-1262-3

R.T.: 7.641 min
Delta R.T.: -0.013 min
Response: 45774571
Conc: 104.78 ng/ml



#38 AR-1262-3

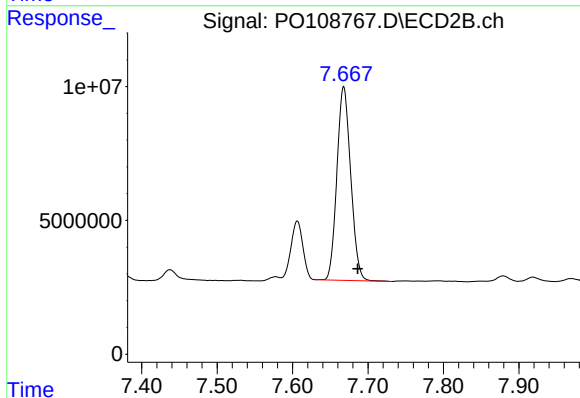
R.T.: 7.606 min
Delta R.T.: -0.017 min
Response: 22986371
Conc: 102.42 ng/ml



#39 AR-1262-4

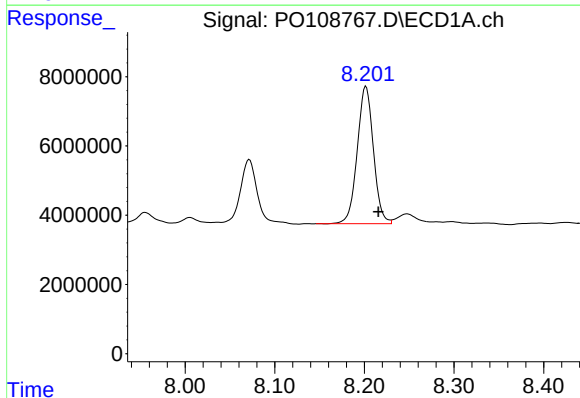
R.T.: 7.704 min
Delta R.T.: -0.014 min
Response: 160674905
Conc: 199.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



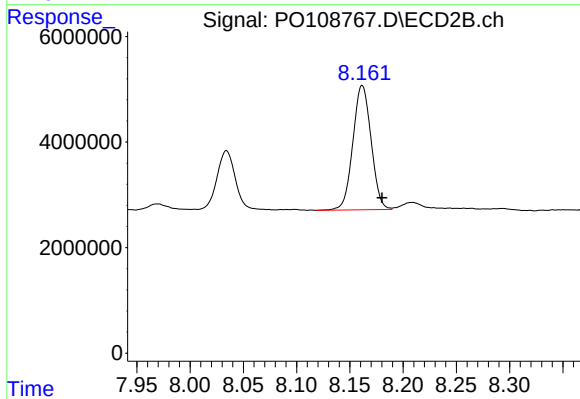
#39 AR-1262-4

R.T.: 7.668 min
Delta R.T.: -0.019 min
Response: 92092849
Conc: 224.84 ng/ml



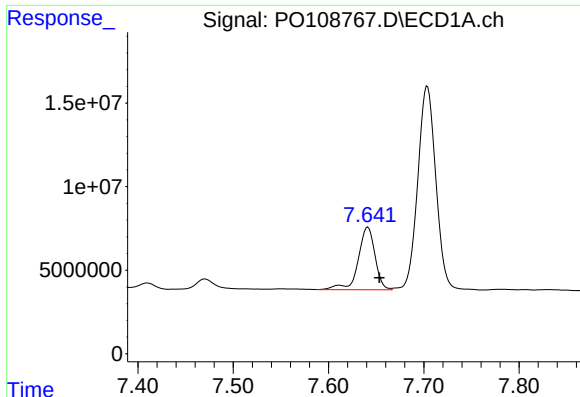
#40 AR-1262-5

R.T.: 8.202 min
Delta R.T.: -0.014 min
Response: 49773610
Conc: 140.23 ng/ml



#40 AR-1262-5

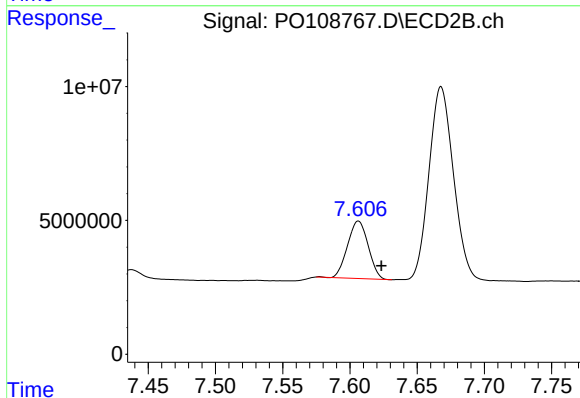
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 28093378
Conc: 152.00 ng/ml



#41 AR-1268-1

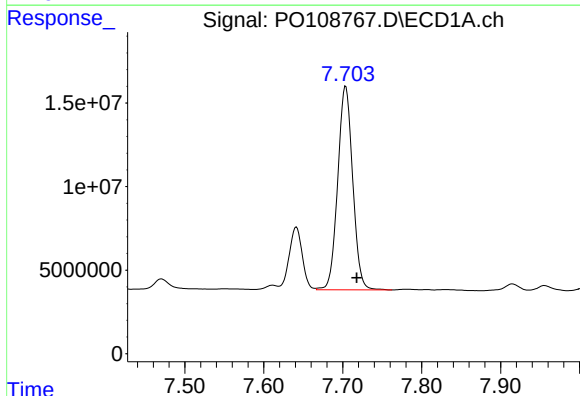
R.T.: 7.641 min
Delta R.T.: -0.012 min
Response: 45774571
Conc: 36.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



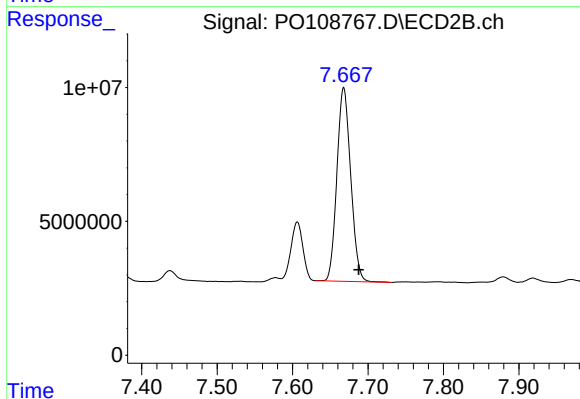
#41 AR-1268-1

R.T.: 7.606 min
Delta R.T.: -0.017 min
Response: 22986371
Conc: 35.59 ng/ml



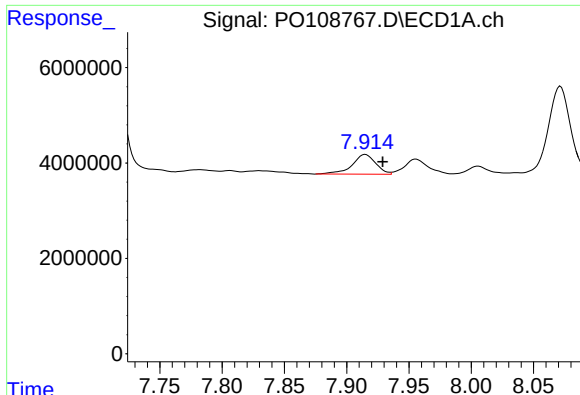
#42 AR-1268-2

R.T.: 7.704 min
Delta R.T.: -0.014 min
Response: 160674905
Conc: 143.25 ng/ml



#42 AR-1268-2

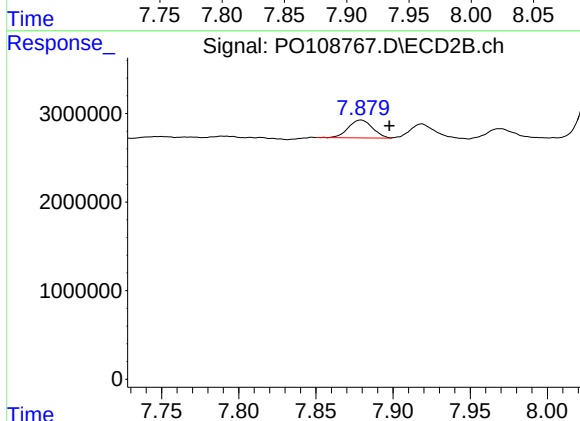
R.T.: 7.668 min
Delta R.T.: -0.020 min
Response: 92092849
Conc: 158.36 ng/ml



#43 AR-1268-3

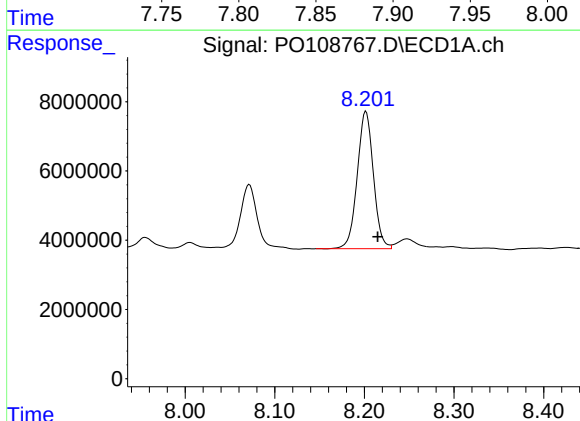
R.T.: 7.915 min
Delta R.T.: -0.014 min
Response: 5478738
Conc: 6.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



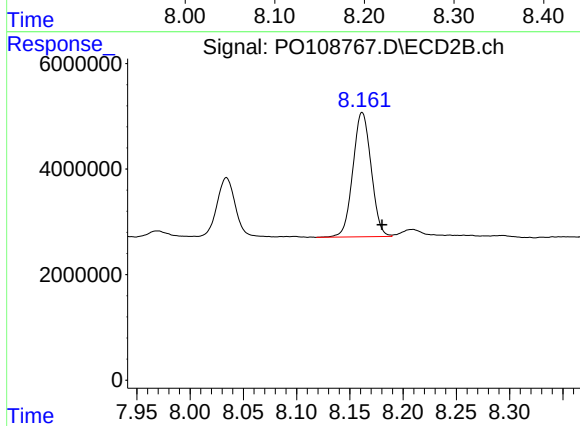
#43 AR-1268-3

R.T.: 7.879 min
Delta R.T.: -0.018 min
Response: 2202513
Conc: 4.42 ng/ml



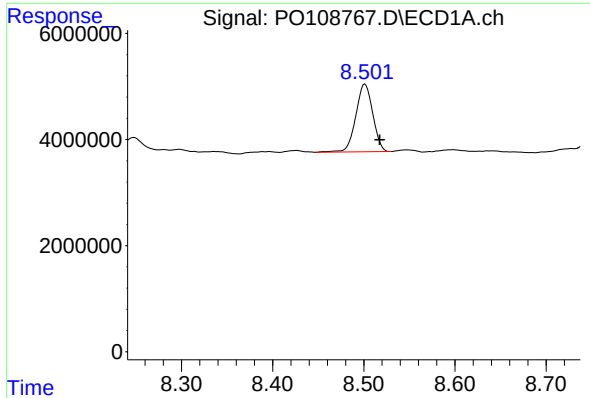
#44 AR-1268-4

R.T.: 8.202 min
Delta R.T.: -0.013 min
Response: 49773610
Conc: 128.65 ng/ml



#44 AR-1268-4

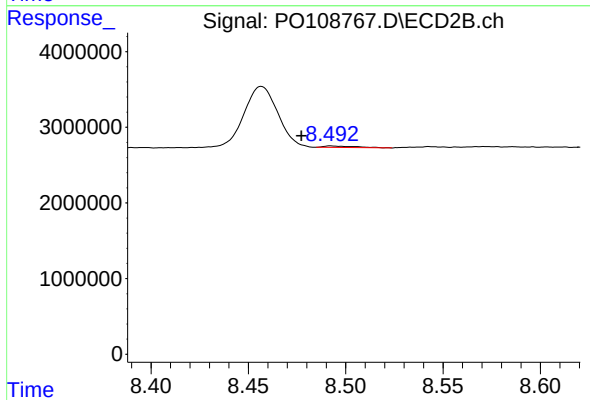
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 28093378
Conc: 138.36 ng/ml



#45 AR-1268-5

R.T.: 8.501 min
Delta R.T.: -0.016 min
Response: 16563216
Conc: 5.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MS



#45 AR-1268-5

R.T.: 8.493 min
Delta R.T.: 0.015 min
Response: 223361
Conc: 0.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0122624\
Data File : P0108768.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 13:52
Operator : YP/AJ
Sample : P5318-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:25:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	121.3E6	68967710	13.944	13.605
2) SA Decachlor...	8.765	8.716	86238901	51471776	11.807	13.283
Target Compounds						
3) L1 AR-1016-1	4.818	4.805	152.5E6	83668409	494.551	521.382
4) L1 AR-1016-2	4.818	4.805	152.5E6	83668409	365.438	376.727
5) L1 AR-1016-3	4.874	4.981	118.7E6	44950074	405.741	357.218
6) L1 AR-1016-4	4.995	5.022	83460161	37634335	361.023	359.086
7) L1 AR-1016-5	5.253	5.236	74494284	43370701	296.000	320.763
8) L2 AR-1221-1	3.915	3.910	13178437	7074726	116.475	113.883
9) L2 AR-1221-2	4.003	3.997	20472219	10173185	236.072	214.421
10) L2 AR-1221-3	4.080	4.073	60236444	33716445	236.960	239.826
11) L3 AR-1232-1	4.080	4.073	60236444	33716445	294.166	300.900
12) L3 AR-1232-2	4.576	4.805	92347310	83668409	807.560	791.161
13) L3 AR-1232-3	4.818	4.981	152.5E6	44950074	772.451	744.858
14) L3 AR-1232-4	4.995	5.065	83460161	42845737	770.072	771.211
15) L3 AR-1232-5	5.038	5.236	69814603	43370701	891.294	753.275
16) L4 AR-1242-1	4.799	4.805	111.9E6	83668409	434.895	616.260 #
17) L4 AR-1242-2	4.818	4.805	152.5E6	83668409	441.940	451.144
18) L4 AR-1242-3	4.874	4.981	118.7E6	44950074	492.233	426.543
19) L4 AR-1242-4	4.995	5.065	83460161	42845737	437.619	399.201
20) L4 AR-1242-5	5.650	5.589	14998738	45901974	72.224	363.148 #
21) L5 AR-1248-1	4.799	4.805	111.9E6	83668409	558.784	795.940 #
22) L5 AR-1248-2	5.038	5.022	69814603	37634335	251.870	252.025
23) L5 AR-1248-3	5.253	5.065	74494284	42845737	218.459	270.471
24) L5 AR-1248-4	5.609	5.236	78456670	43370701	164.642	237.582 #
25) L5 AR-1248-5	5.650	5.629	14998738	8519223	44.295	48.514
26) L6 AR-1254-1	5.609	5.589	78456670	45901974	152.746	169.485
27) L6 AR-1254-2	5.757	5.735	66871719	39255320	146.823	163.550
28) L6 AR-1254-3	6.179	6.155	150.9E6	74948586	209.607	199.591
29) L6 AR-1254-4	6.393	6.397	20748526	27048501	47.283	124.260 #
30) L6 AR-1254-5	6.813	6.783	215.8E6	127.8E6	339.800	395.945
31) L7 AR-1260-1	6.295	6.270	143.2E6	83772123	313.266	357.946
32) L7 AR-1260-2	6.484	6.456	162.1E6	97069129	291.727	345.974
33) L7 AR-1260-3	6.853	6.610	111.8E6	89688226	241.075	340.285 #
34) L7 AR-1260-4	7.113	7.117	108.5E6	11351456	255.080	53.356 #
35) L7 AR-1260-5	7.354	7.321	238.7E6	142.9E6	245.648	295.381
36) L8 AR-1262-1	6.853	6.823	111.8E6	67307495	169.778	199.149
37) L8 AR-1262-2	7.354	7.321	238.7E6	142.9E6	214.752	249.967
38) L8 AR-1262-3	7.640	7.606	67077179	35034083	153.546	156.104
39) L8 AR-1262-4	7.702	7.668	175.0E6	100.6E6	216.991	245.536
40) L8 AR-1262-5	8.201	8.162	52598145	30272490	148.191	163.787
41) L9 AR-1268-1	7.640	7.606	67077179	35034083	53.920	54.239

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108768.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 13:52
Operator : YP/AJ
Sample : P5318-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:25:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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
42)	L9 AR-1268-2	7.702	7.668	175.0E6	100.6E6	155.983	172.939
43)	L9 AR-1268-3	7.915	7.879	27007504	15829301	29.803	31.730
44)	L9 AR-1268-4	8.201	8.162	52598145	30272490	135.947	149.097
45)	L9 AR-1268-5	8.501	8.456	72586096	30874529	26.186	20.793

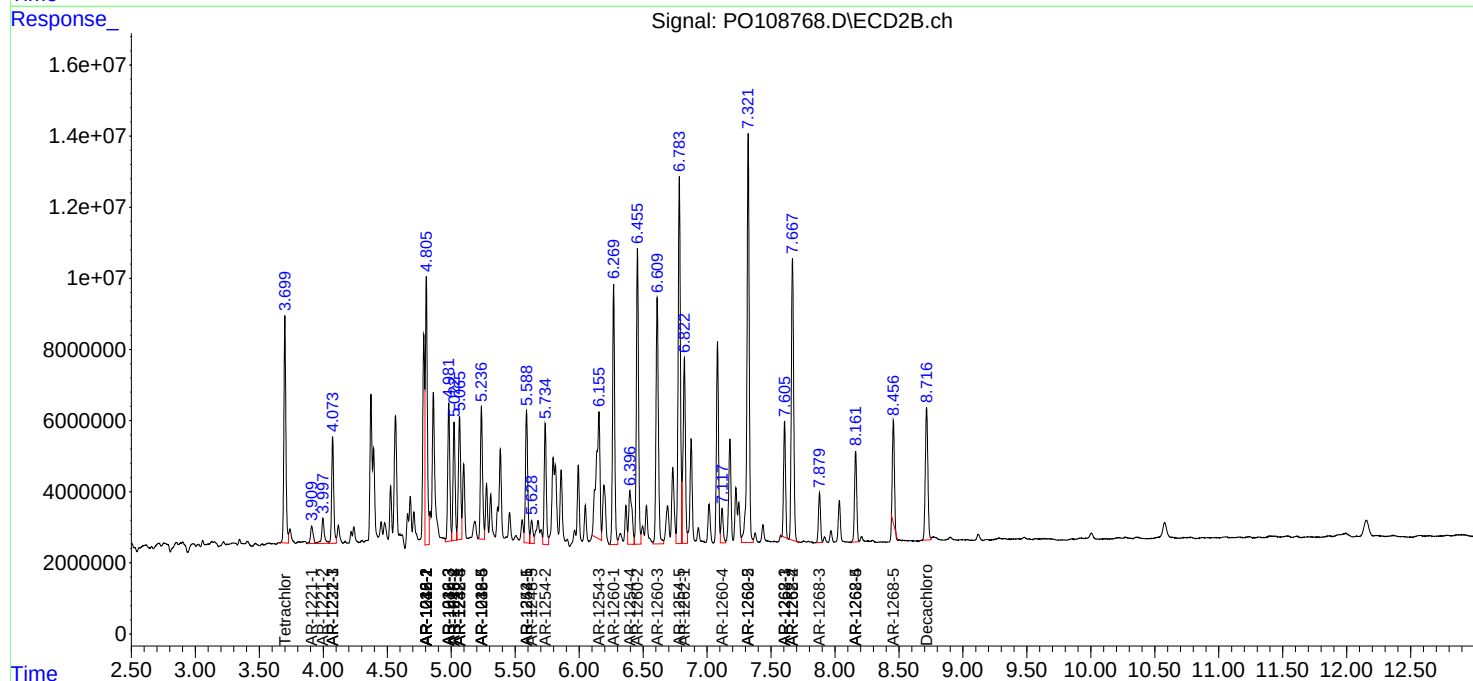
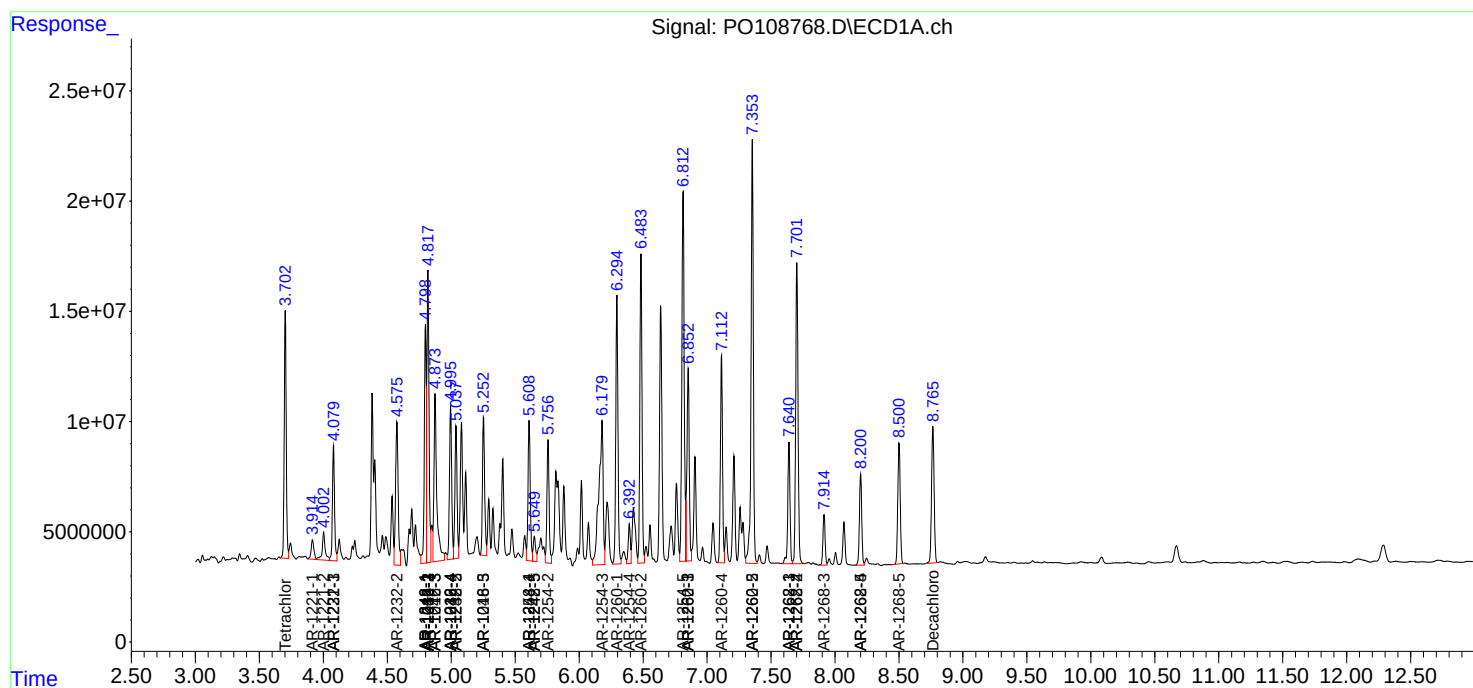
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

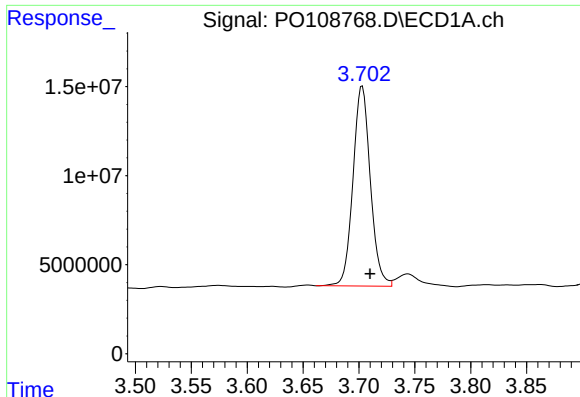
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\P0122624\
Data File : P0108768.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 13:52
Operator : YP/AJ
Sample : P5318-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:25:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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

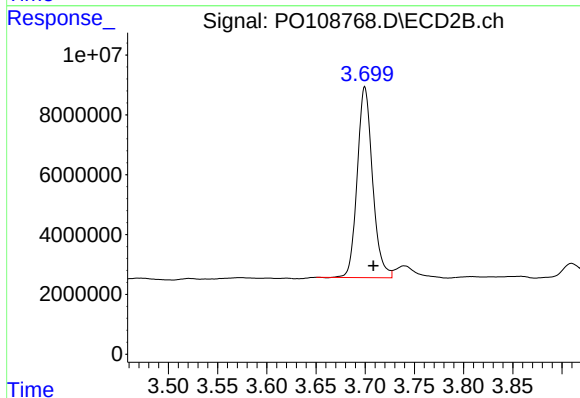




#1 Tetrachloro-m-xylene

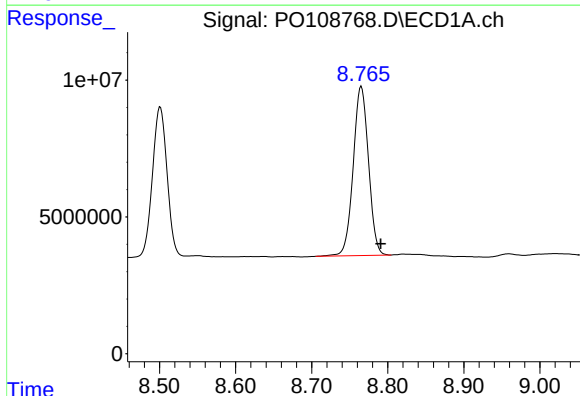
R.T.: 3.703 min
Delta R.T.: -0.007 min
Response: 121311562
Conc: 13.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



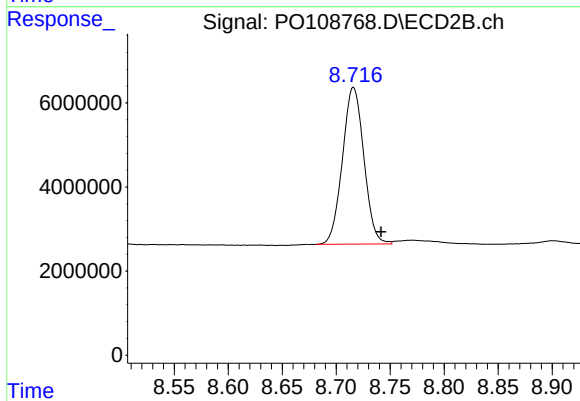
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.009 min
Response: 68967710
Conc: 13.60 ng/ml



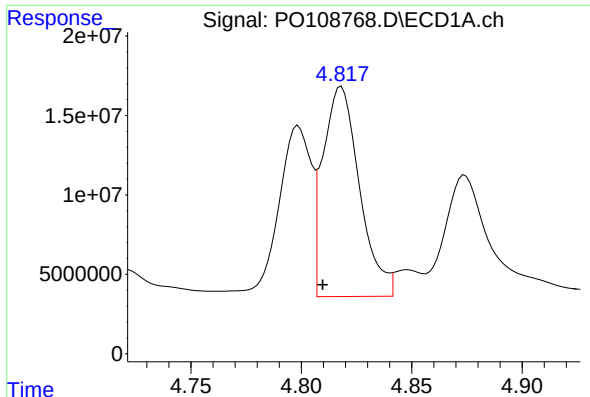
#2 Decachlorobiphenyl

R.T.: 8.765 min
Delta R.T.: -0.026 min
Response: 86238901
Conc: 11.81 ng/ml



#2 Decachlorobiphenyl

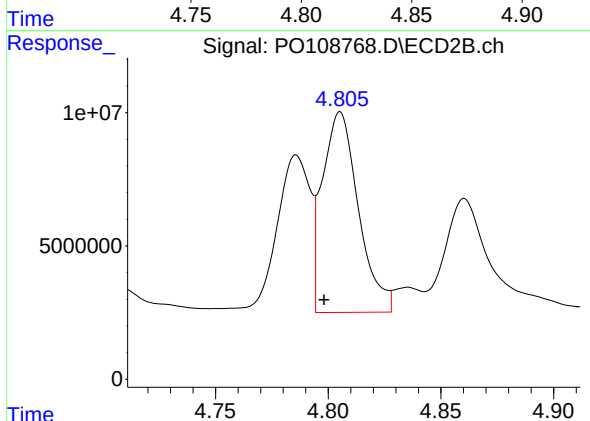
R.T.: 8.716 min
Delta R.T.: -0.025 min
Response: 51471776
Conc: 13.28 ng/ml



#3 AR-1016-1

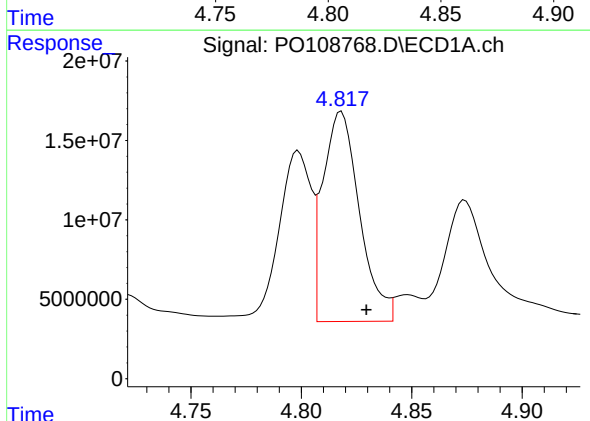
R.T.: 4.818 min
Delta R.T.: 0.008 min
Response: 152540916
Conc: 494.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



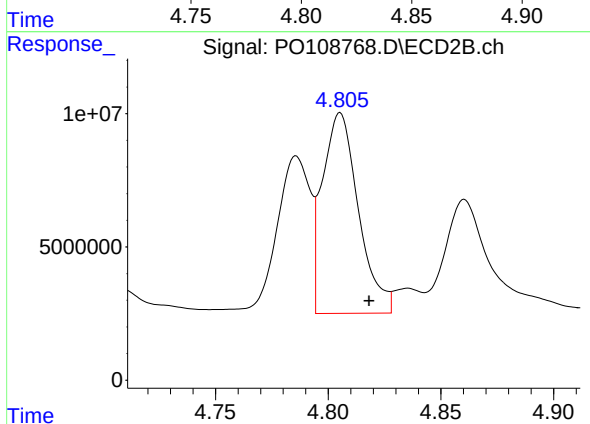
#3 AR-1016-1

R.T.: 4.805 min
Delta R.T.: 0.007 min
Response: 83668409
Conc: 521.38 ng/ml



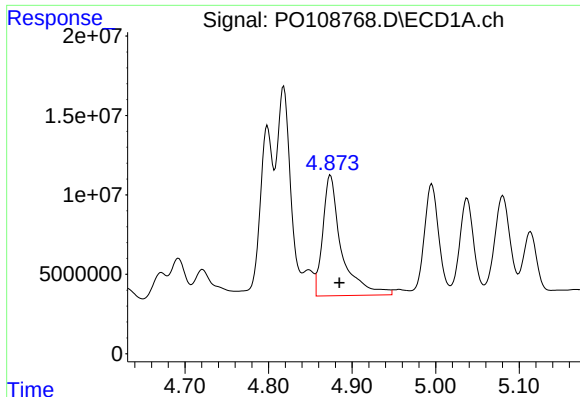
#4 AR-1016-2

R.T.: 4.818 min
Delta R.T.: -0.011 min
Response: 152540916
Conc: 365.44 ng/ml



#4 AR-1016-2

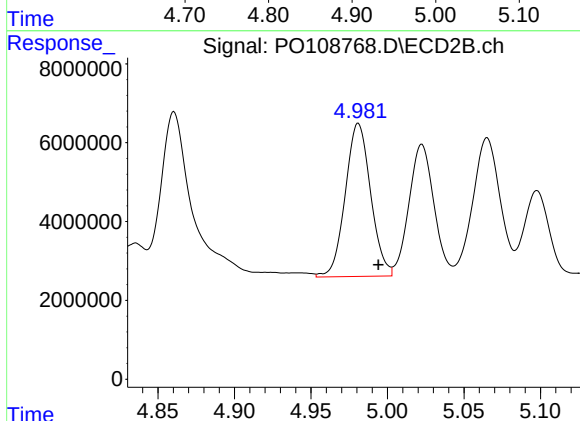
R.T.: 4.805 min
Delta R.T.: -0.013 min
Response: 83668409
Conc: 376.73 ng/ml



#5 AR-1016-3

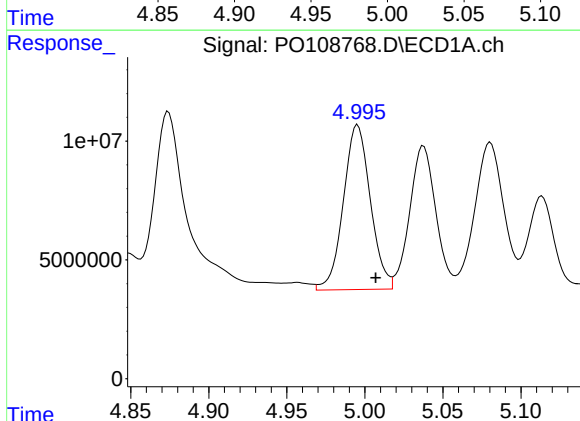
R.T.: 4.874 min
Delta R.T.: -0.011 min
Response: 118732426
Conc: 405.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



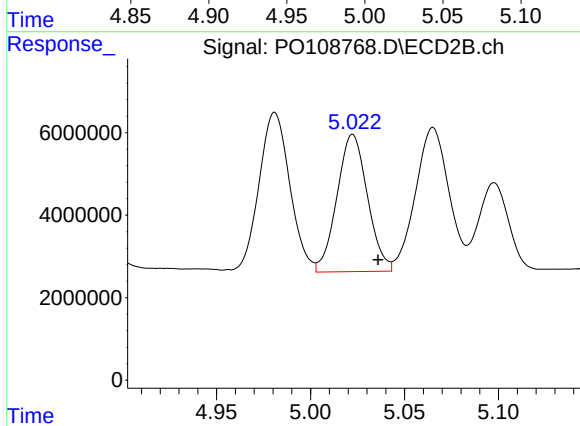
#5 AR-1016-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 44950074
Conc: 357.22 ng/ml



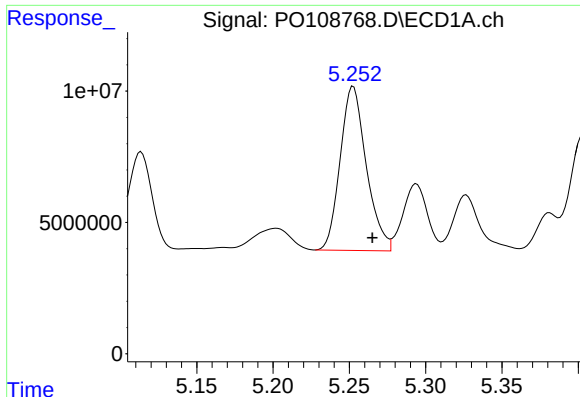
#6 AR-1016-4

R.T.: 4.995 min
Delta R.T.: -0.011 min
Response: 83460161
Conc: 361.02 ng/ml



#6 AR-1016-4

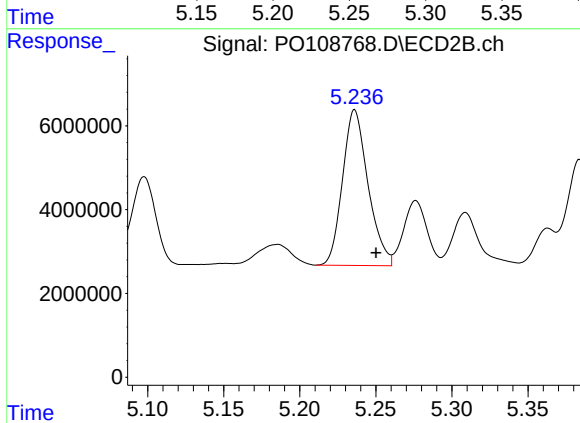
R.T.: 5.022 min
Delta R.T.: -0.013 min
Response: 37634335
Conc: 359.09 ng/ml



#7 AR-1016-5

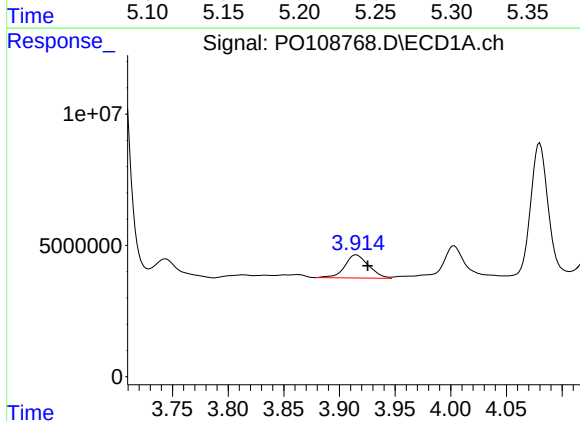
R.T.: 5.253 min
Delta R.T.: -0.012 min
Response: 74494284
Conc: 296.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



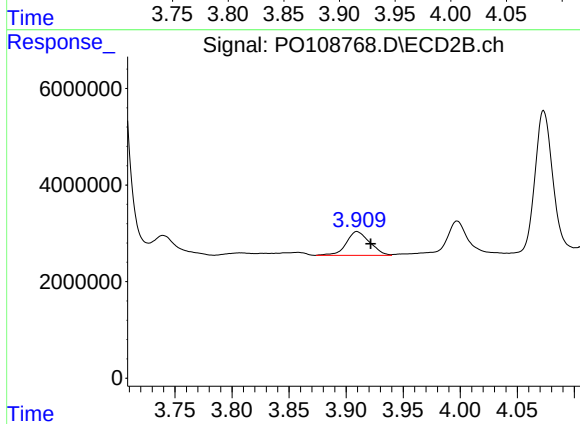
#7 AR-1016-5

R.T.: 5.236 min
Delta R.T.: -0.014 min
Response: 43370701
Conc: 320.76 ng/ml



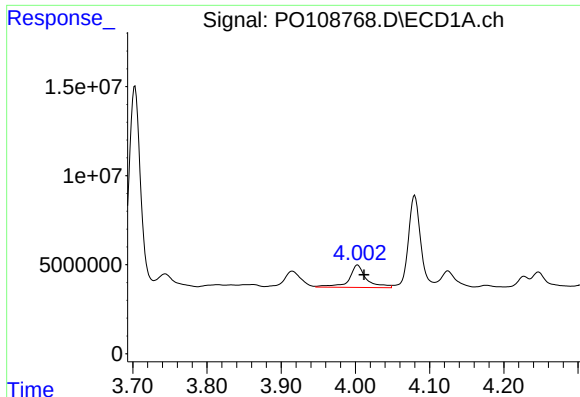
#8 AR-1221-1

R.T.: 3.915 min
Delta R.T.: -0.010 min
Response: 13178437
Conc: 116.48 ng/ml



#8 AR-1221-1

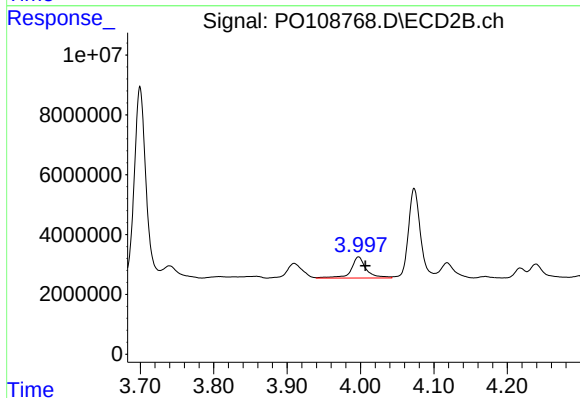
R.T.: 3.910 min
Delta R.T.: -0.012 min
Response: 7074726
Conc: 113.88 ng/ml



#9 AR-1221-2

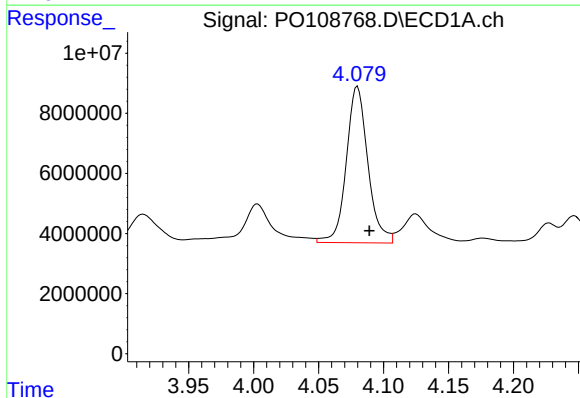
R.T.: 4.003 min
Delta R.T.: -0.009 min
Response: 20472219
Conc: 236.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



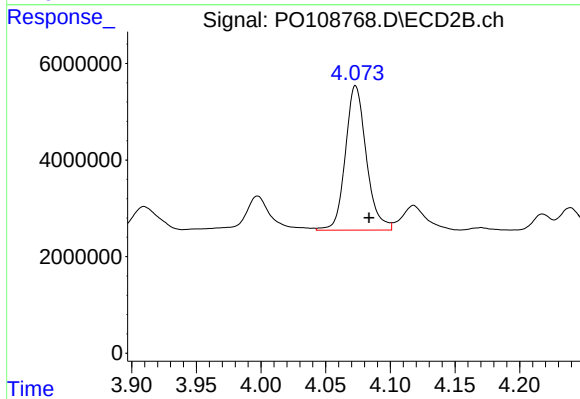
#9 AR-1221-2

R.T.: 3.997 min
Delta R.T.: -0.010 min
Response: 10173185
Conc: 214.42 ng/ml



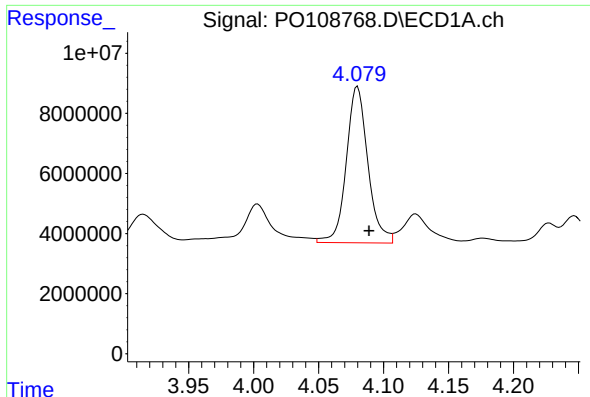
#10 AR-1221-3

R.T.: 4.080 min
Delta R.T.: -0.009 min
Response: 60236444
Conc: 236.96 ng/ml



#10 AR-1221-3

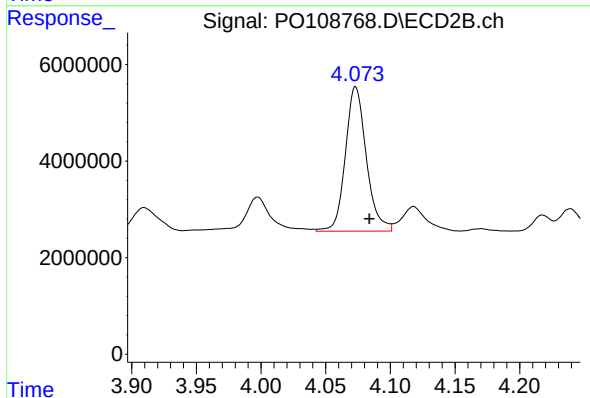
R.T.: 4.073 min
Delta R.T.: -0.011 min
Response: 33716445
Conc: 239.83 ng/ml



#11 AR-1232-1

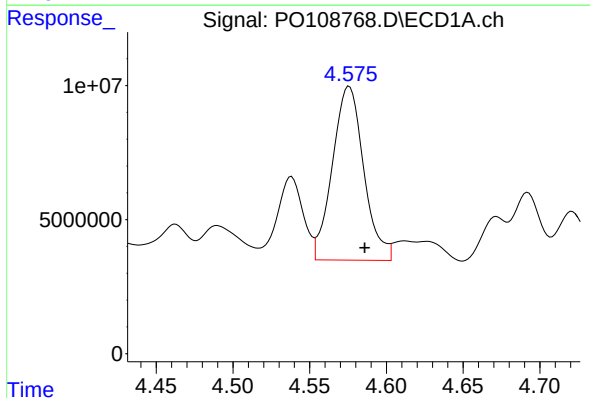
R.T.: 4.080 min
Delta R.T.: -0.009 min
Response: 60236444
Conc: 294.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



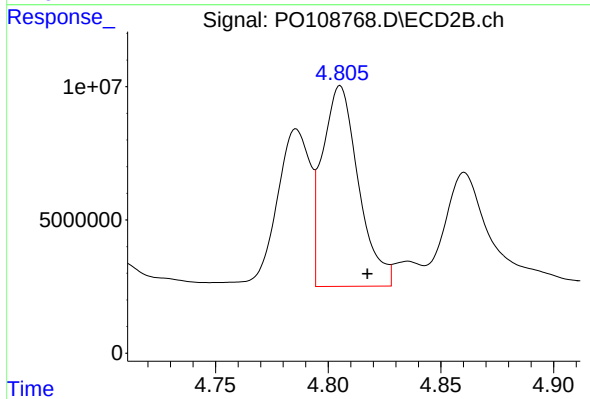
#11 AR-1232-1

R.T.: 4.073 min
Delta R.T.: -0.011 min
Response: 33716445
Conc: 300.90 ng/ml



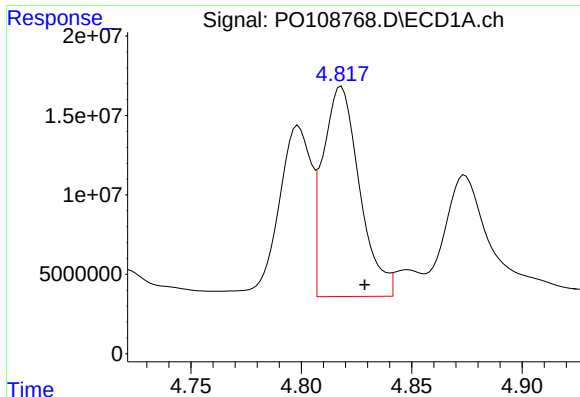
#12 AR-1232-2

R.T.: 4.576 min
Delta R.T.: -0.010 min
Response: 92347310
Conc: 807.56 ng/ml



#12 AR-1232-2

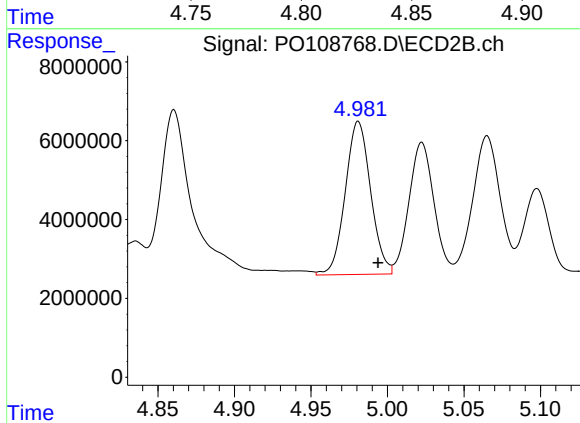
R.T.: 4.805 min
Delta R.T.: -0.012 min
Response: 83668409
Conc: 791.16 ng/ml



#13 AR-1232-3

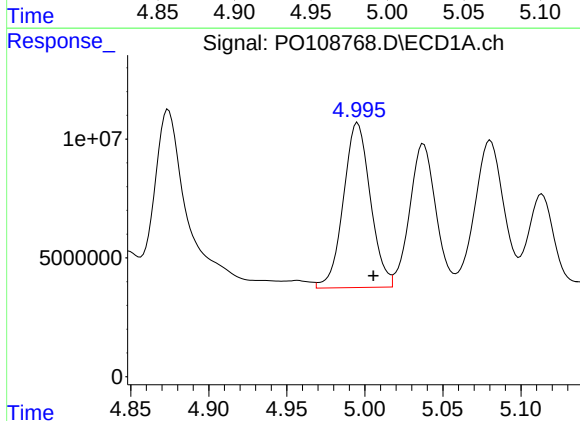
R.T.: 4.818 min
Delta R.T.: -0.011 min
Response: 152540916
Conc: 772.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



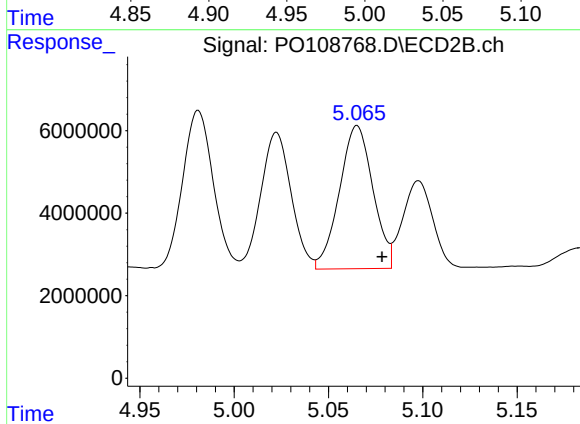
#13 AR-1232-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 44950074
Conc: 744.86 ng/ml



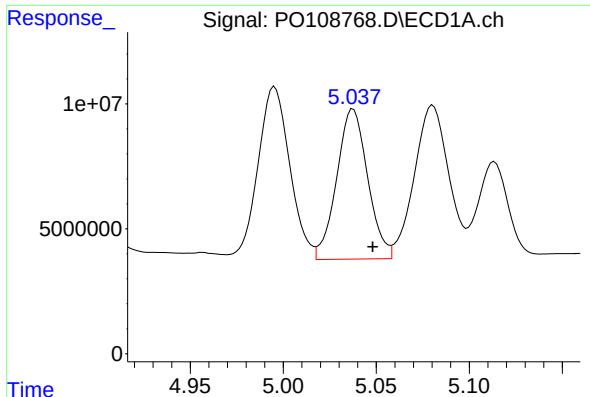
#14 AR-1232-4

R.T.: 4.995 min
Delta R.T.: -0.010 min
Response: 83460161
Conc: 770.07 ng/ml



#14 AR-1232-4

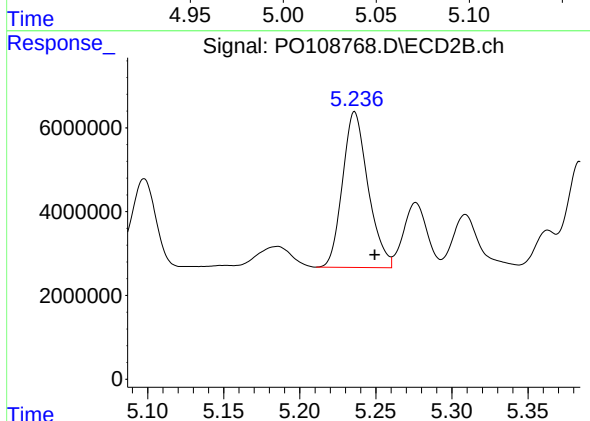
R.T.: 5.065 min
Delta R.T.: -0.013 min
Response: 42845737
Conc: 771.21 ng/ml



#15 AR-1232-5

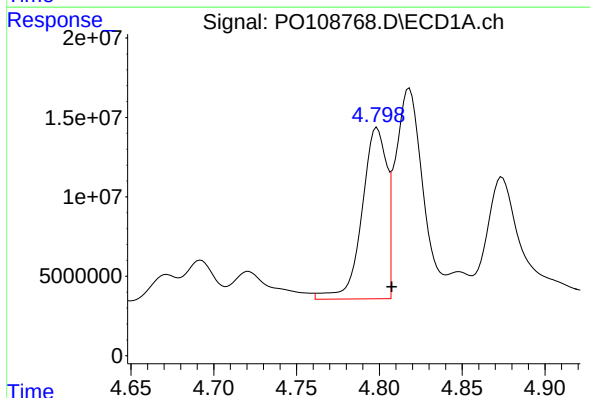
R.T.: 5.038 min
Delta R.T.: -0.010 min
Response: 69814603
Conc: 891.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



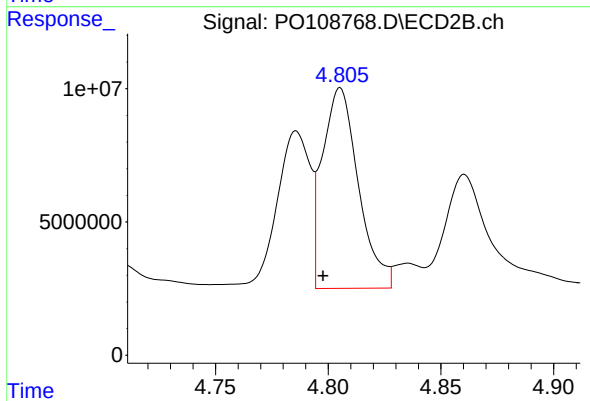
#15 AR-1232-5

R.T.: 5.236 min
Delta R.T.: -0.013 min
Response: 43370701
Conc: 753.27 ng/ml



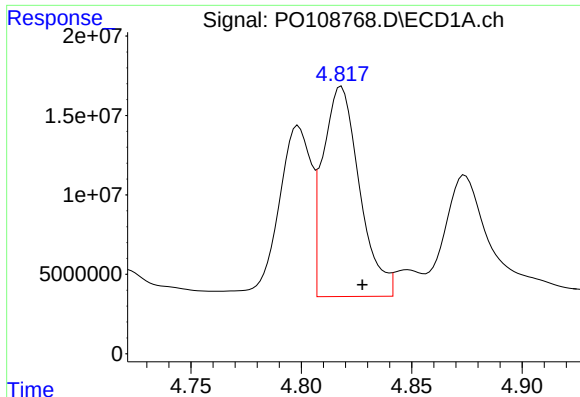
#16 AR-1242-1

R.T.: 4.799 min
Delta R.T.: -0.009 min
Response: 111909429
Conc: 434.90 ng/ml



#16 AR-1242-1

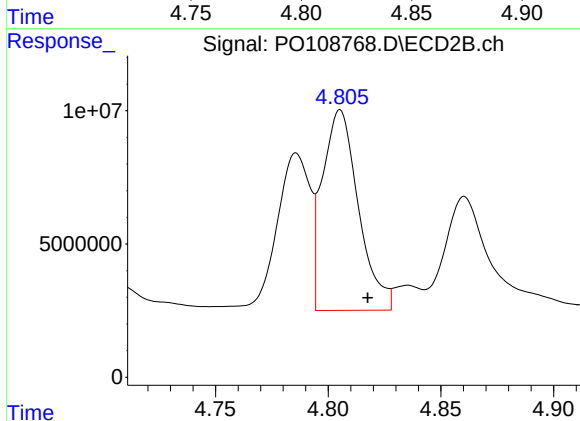
R.T.: 4.805 min
Delta R.T.: 0.008 min
Response: 83668409
Conc: 616.26 ng/ml



#17 AR-1242-2

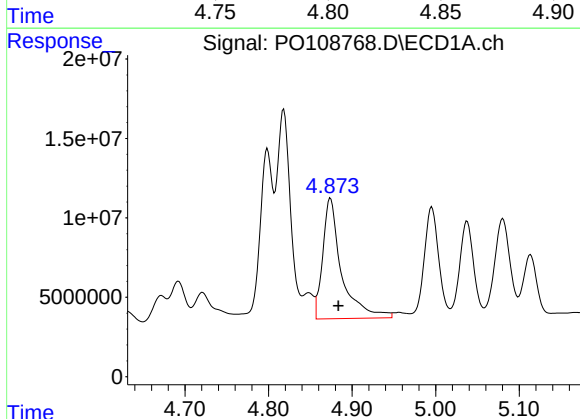
R.T.: 4.818 min
Delta R.T.: -0.010 min
Response: 152540916
Conc: 441.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



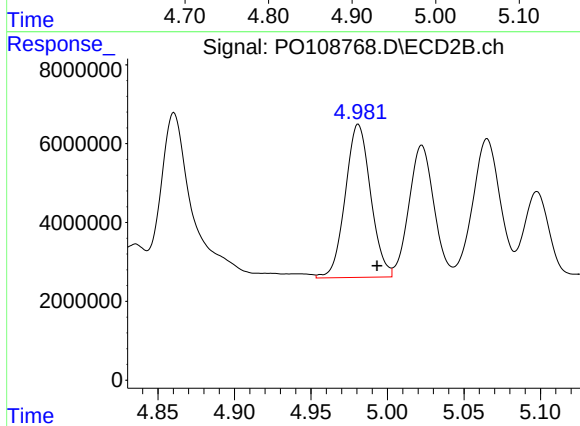
#17 AR-1242-2

R.T.: 4.805 min
Delta R.T.: -0.012 min
Response: 83668409
Conc: 451.14 ng/ml



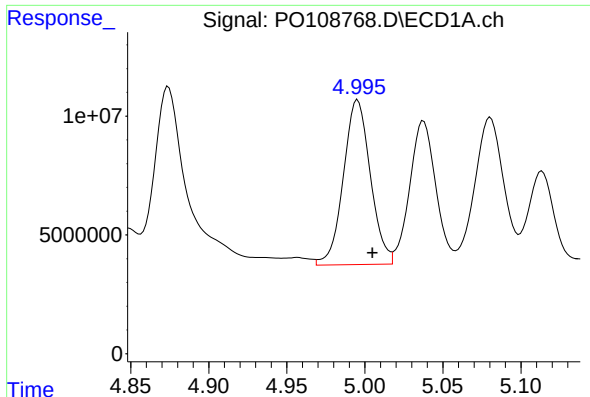
#18 AR-1242-3

R.T.: 4.874 min
Delta R.T.: -0.009 min
Response: 118732426
Conc: 492.23 ng/ml



#18 AR-1242-3

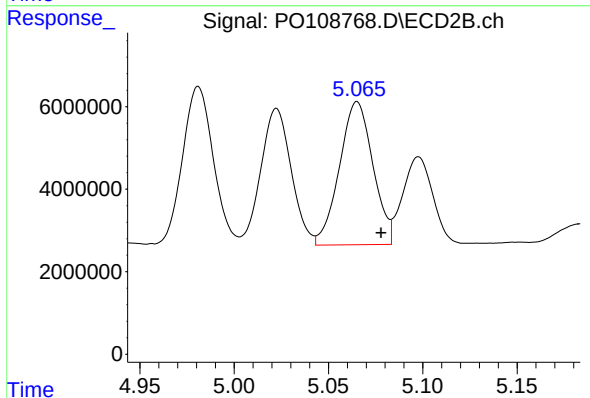
R.T.: 4.981 min
Delta R.T.: -0.012 min
Response: 44950074
Conc: 426.54 ng/ml



#19 AR-1242-4

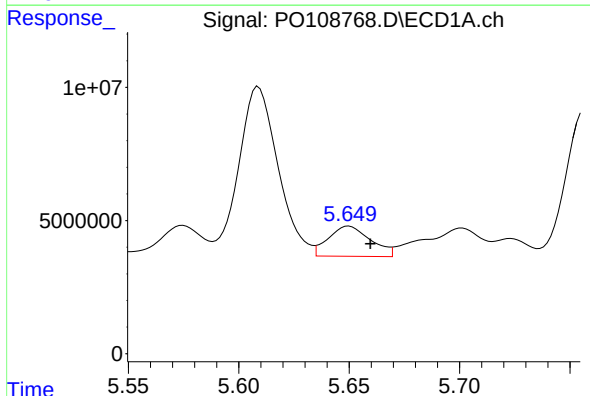
R.T.: 4.995 min
Delta R.T.: -0.009 min
Response: 83460161
Conc: 437.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



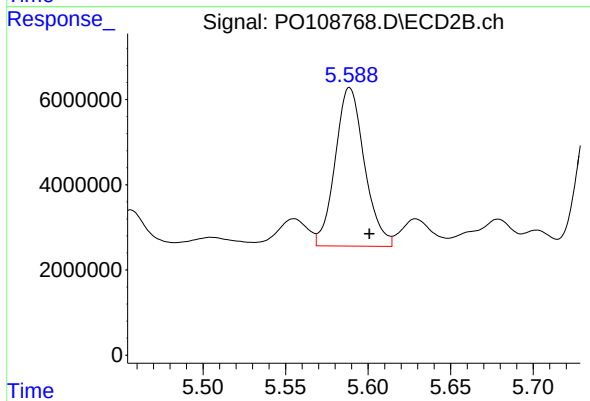
#19 AR-1242-4

R.T.: 5.065 min
Delta R.T.: -0.013 min
Response: 42845737
Conc: 399.20 ng/ml



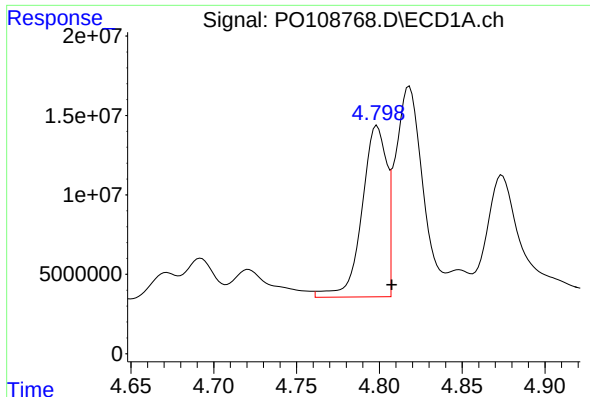
#20 AR-1242-5

R.T.: 5.650 min
Delta R.T.: -0.010 min
Response: 14998738
Conc: 72.22 ng/ml



#20 AR-1242-5

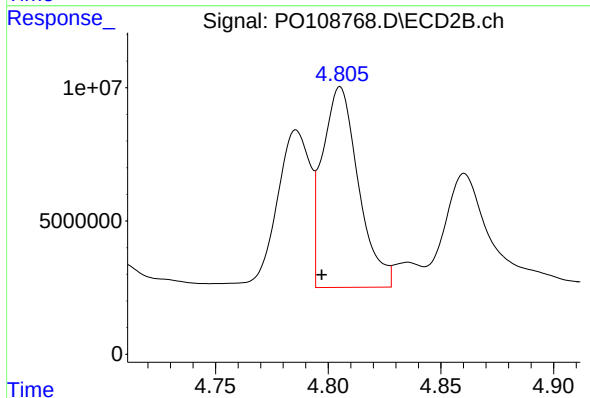
R.T.: 5.589 min
Delta R.T.: -0.012 min
Response: 45901974
Conc: 363.15 ng/ml



#21 AR-1248-1

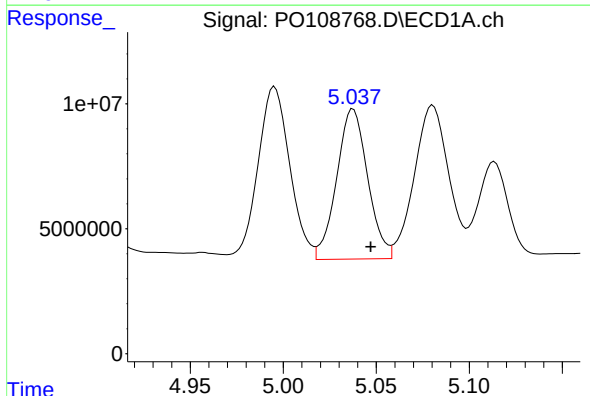
R.T.: 4.799 min
Delta R.T.: -0.009 min
Response: 111909429
Conc: 558.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



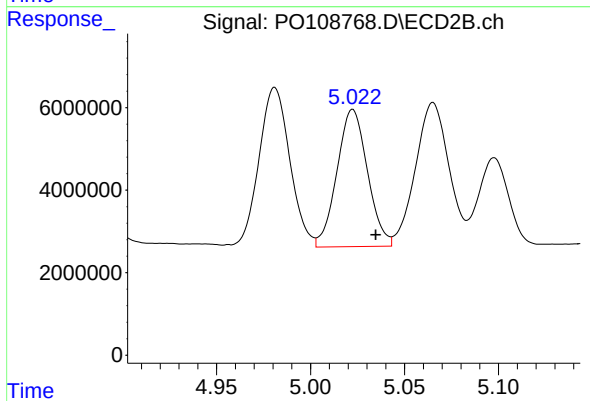
#21 AR-1248-1

R.T.: 4.805 min
Delta R.T.: 0.008 min
Response: 83668409
Conc: 795.94 ng/ml



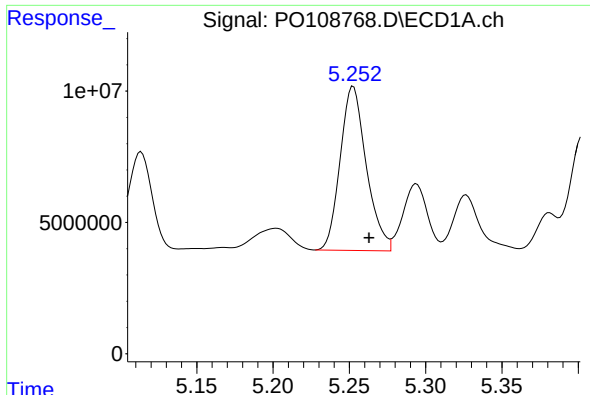
#22 AR-1248-2

R.T.: 5.038 min
Delta R.T.: -0.009 min
Response: 69814603
Conc: 251.87 ng/ml



#22 AR-1248-2

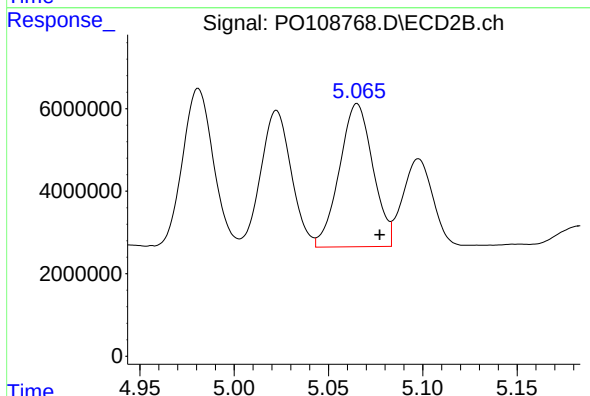
R.T.: 5.022 min
Delta R.T.: -0.012 min
Response: 37634335
Conc: 252.03 ng/ml



#23 AR-1248-3

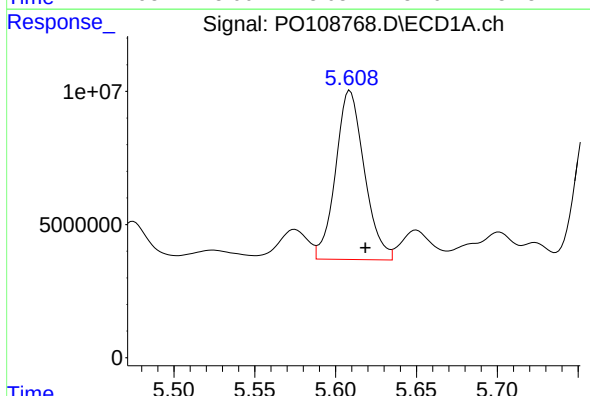
R.T.: 5.253 min
Delta R.T.: -0.010 min
Response: 74494284
Conc: 218.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



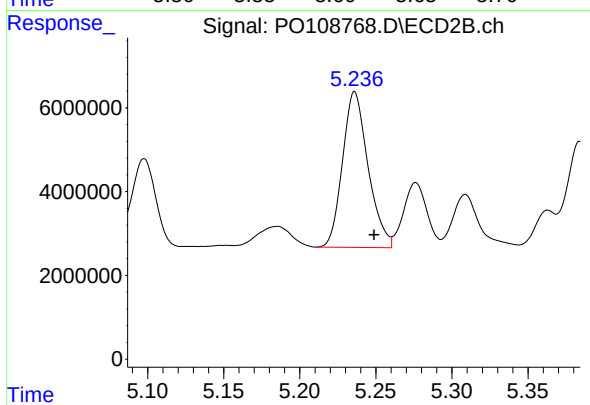
#23 AR-1248-3

R.T.: 5.065 min
Delta R.T.: -0.012 min
Response: 42845737
Conc: 270.47 ng/ml



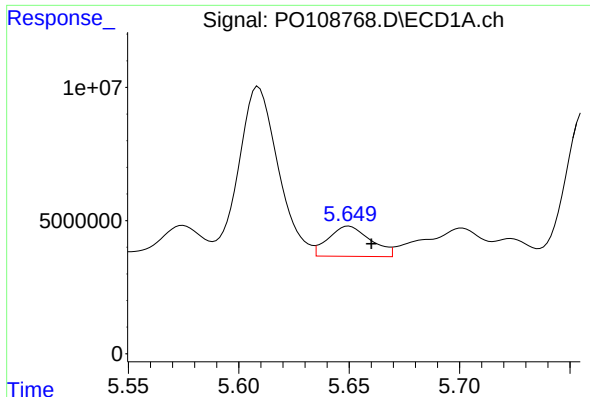
#24 AR-1248-4

R.T.: 5.609 min
Delta R.T.: -0.009 min
Response: 78456670
Conc: 164.64 ng/ml



#24 AR-1248-4

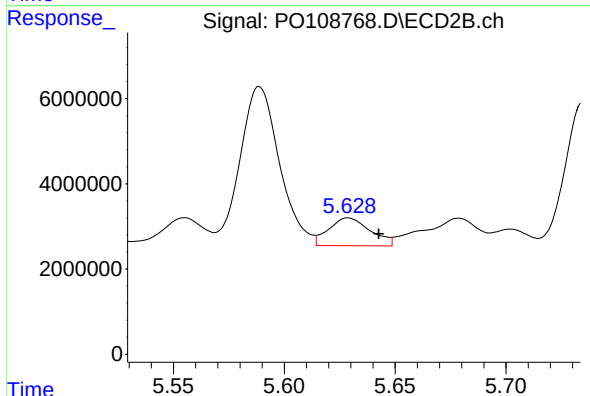
R.T.: 5.236 min
Delta R.T.: -0.013 min
Response: 43370701
Conc: 237.58 ng/ml



#25 AR-1248-5

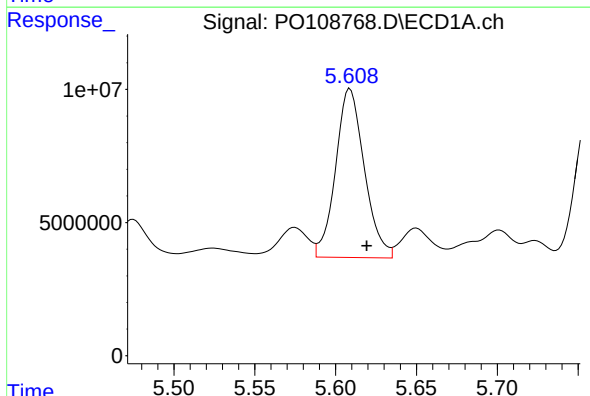
R.T.: 5.650 min
Delta R.T.: -0.010 min
Response: 14998738
Conc: 44.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



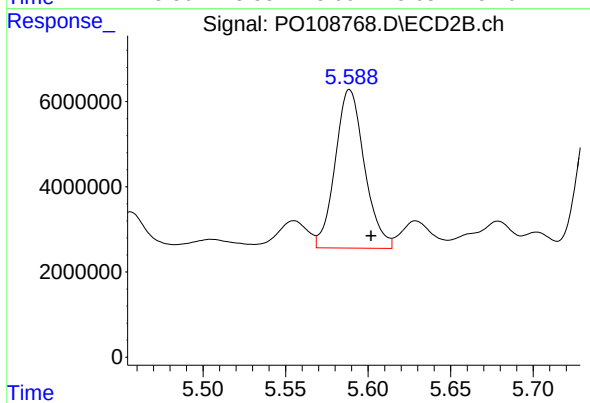
#25 AR-1248-5

R.T.: 5.629 min
Delta R.T.: -0.014 min
Response: 8519223
Conc: 48.51 ng/ml



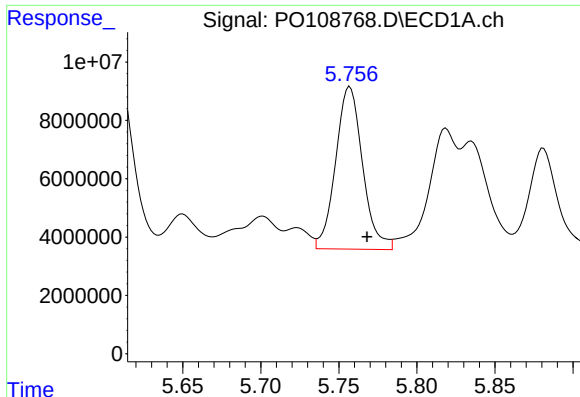
#26 AR-1254-1

R.T.: 5.609 min
Delta R.T.: -0.010 min
Response: 78456670
Conc: 152.75 ng/ml



#26 AR-1254-1

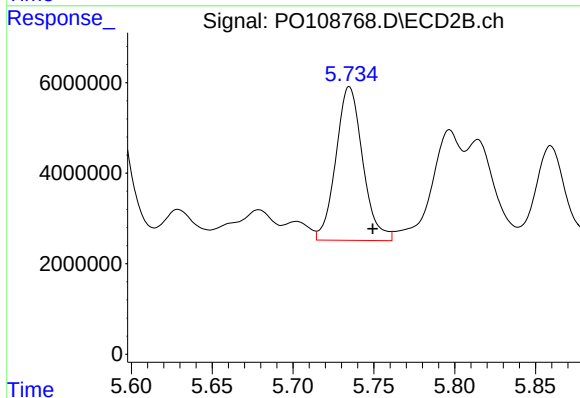
R.T.: 5.589 min
Delta R.T.: -0.013 min
Response: 45901974
Conc: 169.49 ng/ml



#27 AR-1254-2

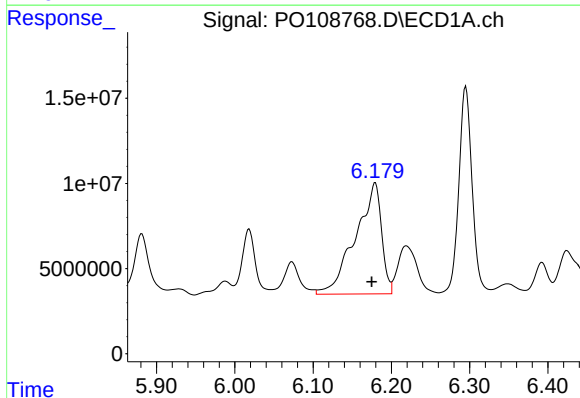
R.T.: 5.757 min
Delta R.T.: -0.011 min
Response: 66871719
Conc: 146.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



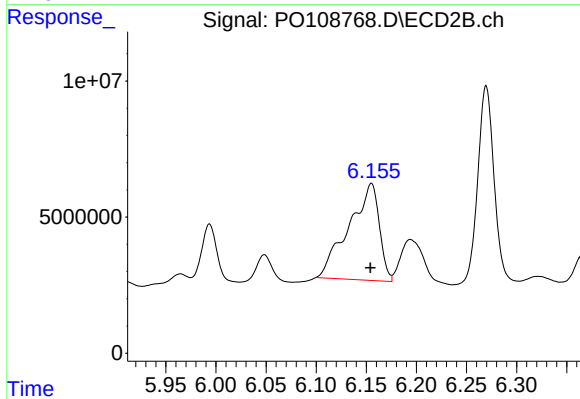
#27 AR-1254-2

R.T.: 5.735 min
Delta R.T.: -0.014 min
Response: 39255320
Conc: 163.55 ng/ml



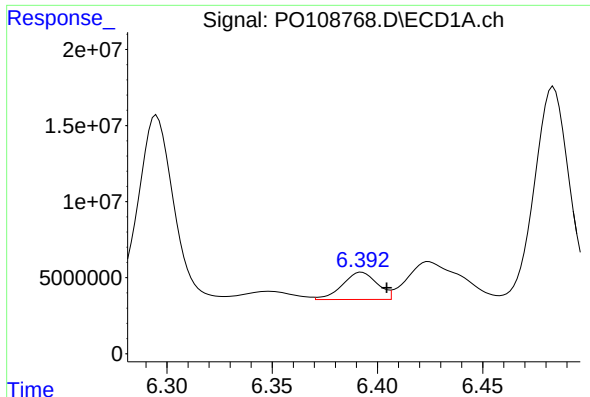
#28 AR-1254-3

R.T.: 6.179 min
Delta R.T.: 0.004 min
Response: 150943773
Conc: 209.61 ng/ml



#28 AR-1254-3

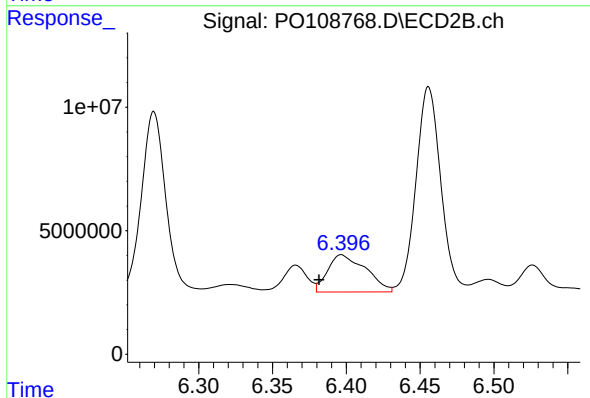
R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 74948586
Conc: 199.59 ng/ml



#29 AR-1254-4

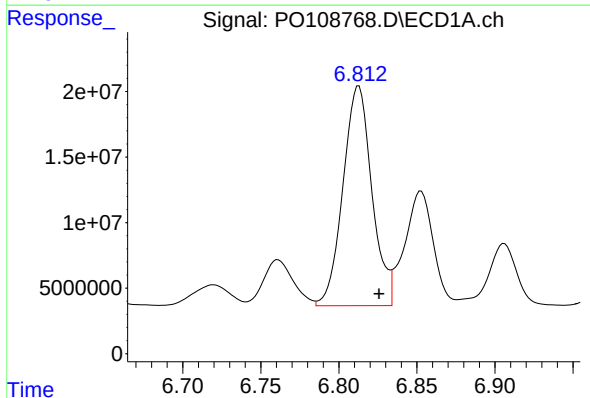
R.T.: 6.393 min
Delta R.T.: -0.012 min
Response: 20748526
Conc: 47.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



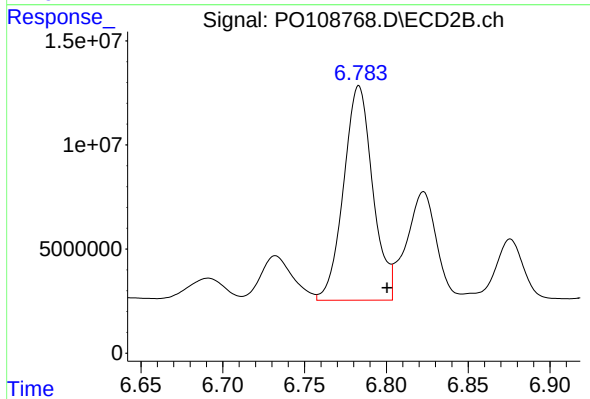
#29 AR-1254-4

R.T.: 6.397 min
Delta R.T.: 0.015 min
Response: 27048501
Conc: 124.26 ng/ml



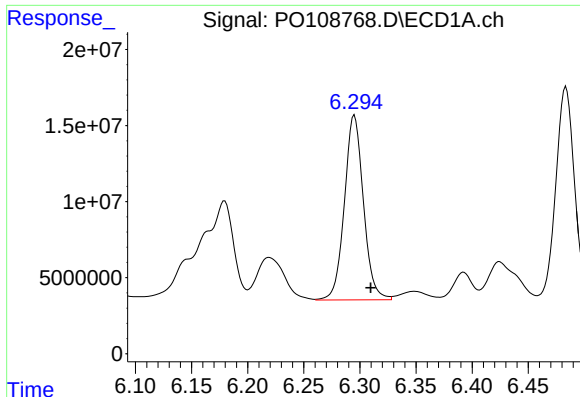
#30 AR-1254-5

R.T.: 6.813 min
Delta R.T.: -0.013 min
Response: 215814227
Conc: 339.80 ng/ml



#30 AR-1254-5

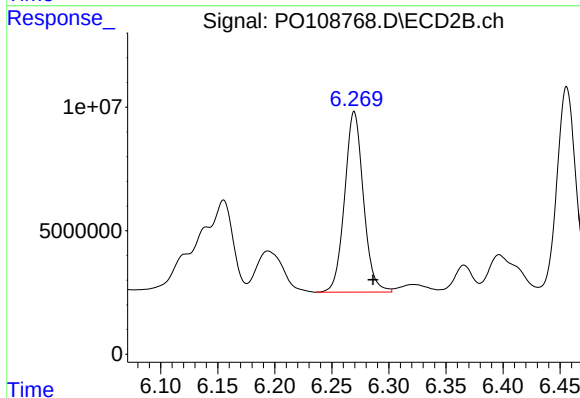
R.T.: 6.783 min
Delta R.T.: -0.017 min
Response: 127795197
Conc: 395.95 ng/ml



#31 AR-1260-1

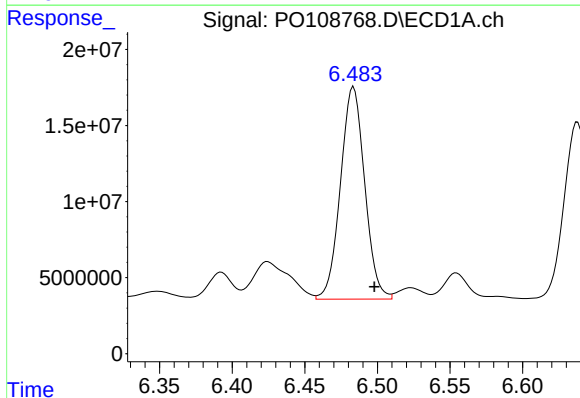
R.T.: 6.295 min
Delta R.T.: -0.015 min
Response: 143208066
Conc: 313.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



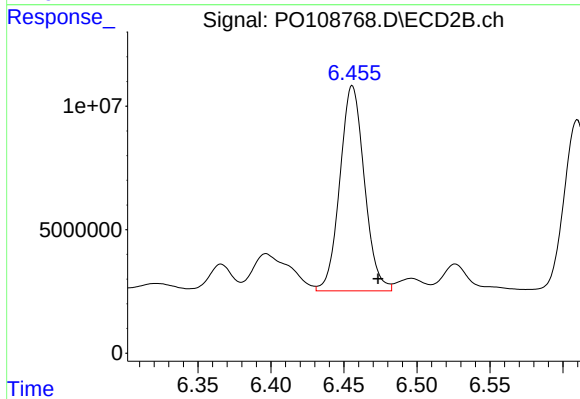
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.017 min
Response: 83772123
Conc: 357.95 ng/ml



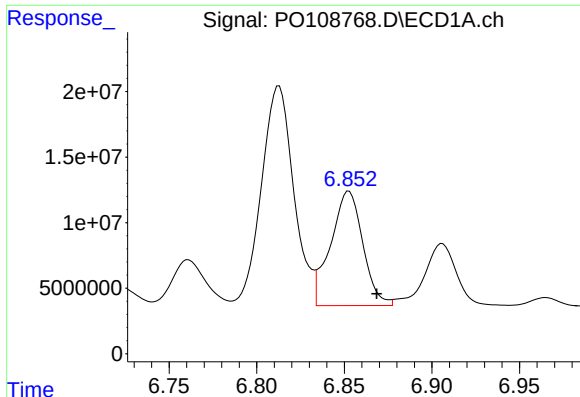
#32 AR-1260-2

R.T.: 6.484 min
Delta R.T.: -0.014 min
Response: 162118291
Conc: 291.73 ng/ml



#32 AR-1260-2

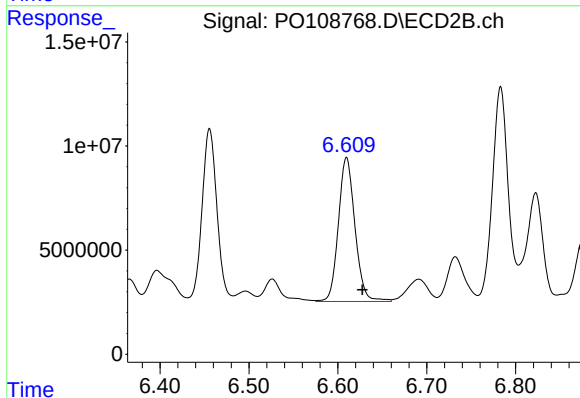
R.T.: 6.456 min
Delta R.T.: -0.018 min
Response: 97069129
Conc: 345.97 ng/ml



#33 AR-1260-3

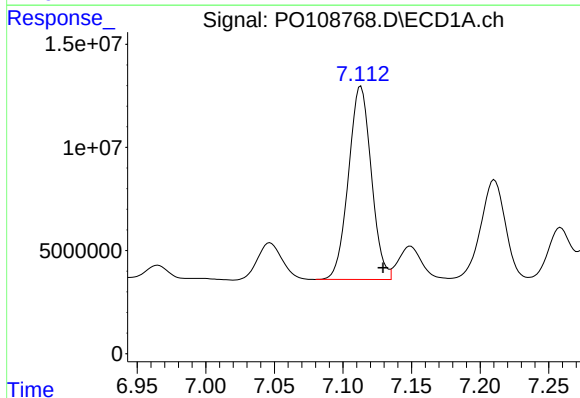
R.T.: 6.853 min
Delta R.T.: -0.016 min
Response: 111781377
Conc: 241.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



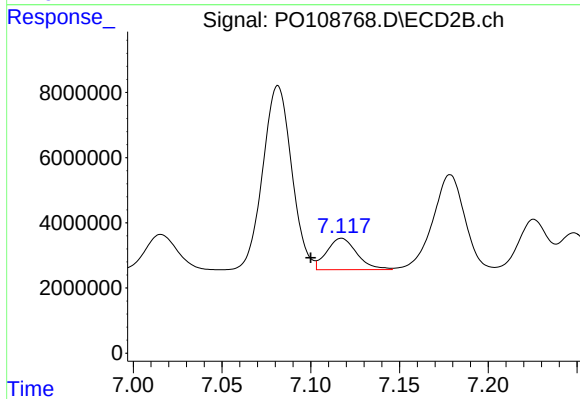
#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.018 min
Response: 89688226
Conc: 340.28 ng/ml



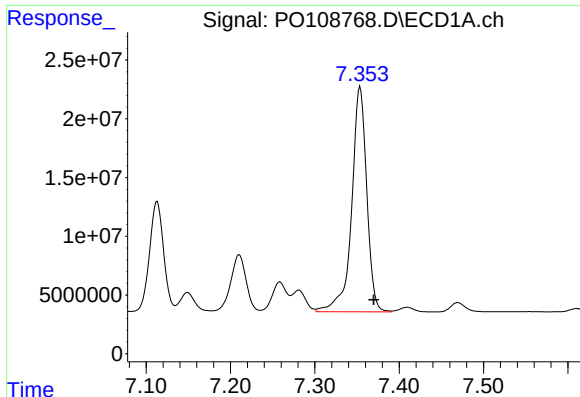
#34 AR-1260-4

R.T.: 7.113 min
Delta R.T.: -0.016 min
Response: 108495969
Conc: 255.08 ng/ml



#34 AR-1260-4

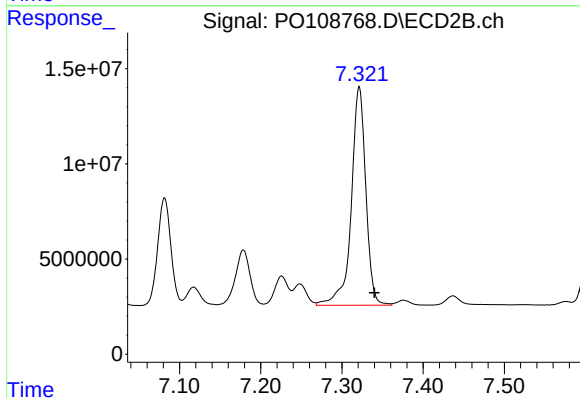
R.T.: 7.117 min
Delta R.T.: 0.017 min
Response: 11351456
Conc: 53.36 ng/ml



#35 AR-1260-5

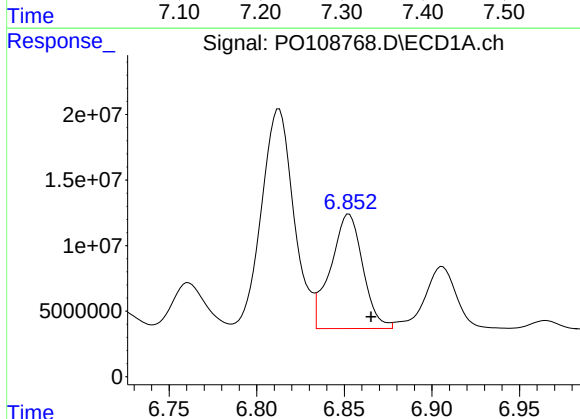
R.T.: 7.354 min
Delta R.T.: -0.016 min
Response: 238741416
Conc: 245.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



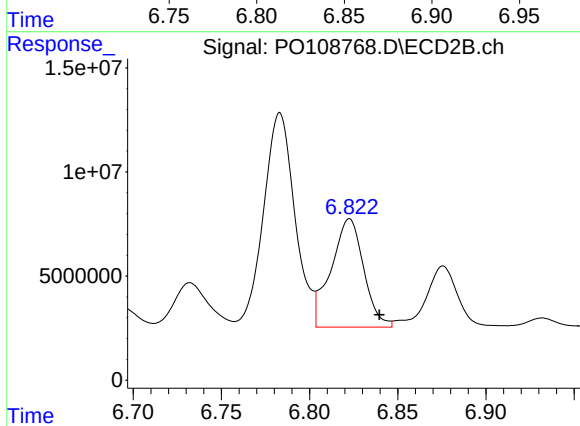
#35 AR-1260-5

R.T.: 7.321 min
Delta R.T.: -0.019 min
Response: 142944931
Conc: 295.38 ng/ml



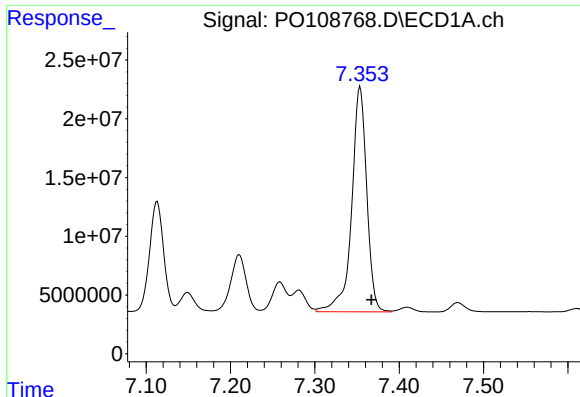
#36 AR-1262-1

R.T.: 6.853 min
Delta R.T.: -0.013 min
Response: 111781377
Conc: 169.78 ng/ml



#36 AR-1262-1

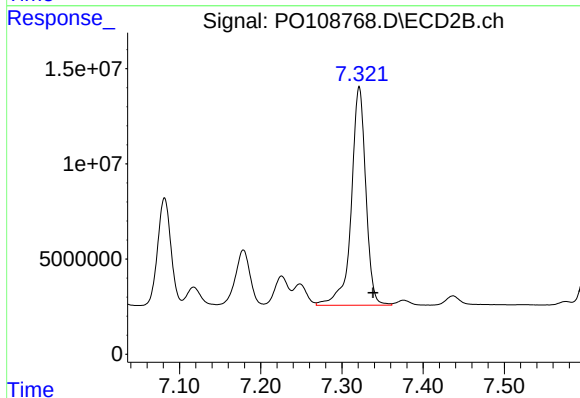
R.T.: 6.823 min
Delta R.T.: -0.017 min
Response: 67307495
Conc: 199.15 ng/ml



#37 AR-1262-2

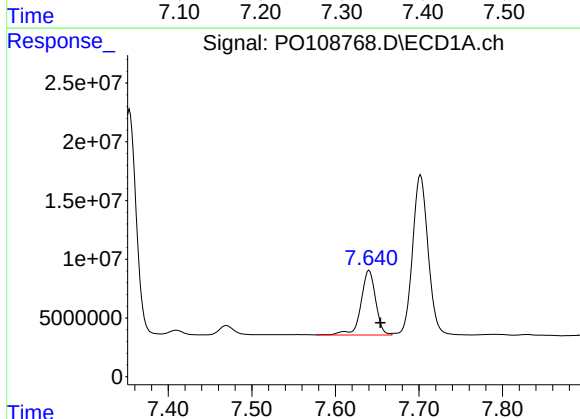
R.T.: 7.354 min
Delta R.T.: -0.013 min
Response: 238741416
Conc: 214.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



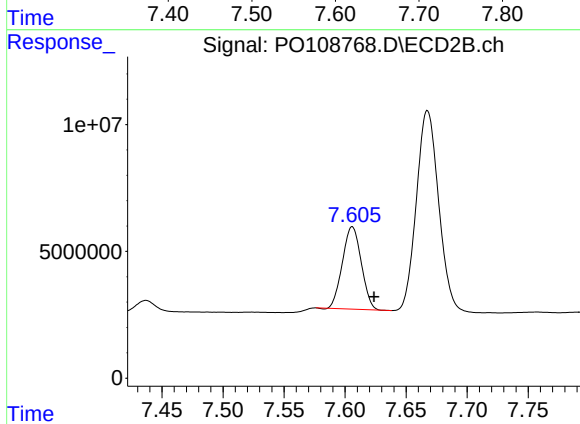
#37 AR-1262-2

R.T.: 7.321 min
Delta R.T.: -0.017 min
Response: 142944931
Conc: 249.97 ng/ml



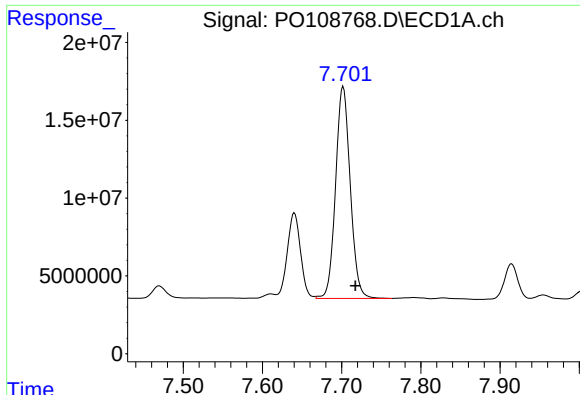
#38 AR-1262-3

R.T.: 7.640 min
Delta R.T.: -0.013 min
Response: 67077179
Conc: 153.55 ng/ml



#38 AR-1262-3

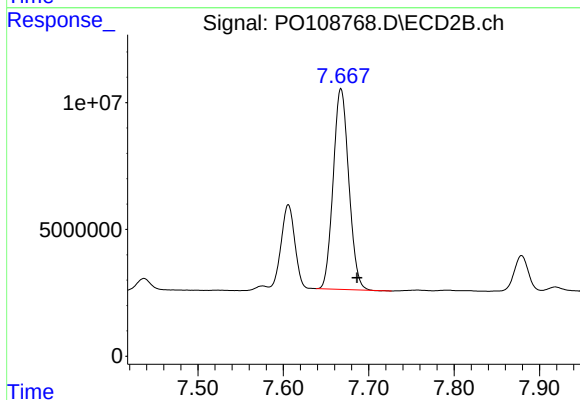
R.T.: 7.606 min
Delta R.T.: -0.018 min
Response: 35034083
Conc: 156.10 ng/ml



#39 AR-1262-4

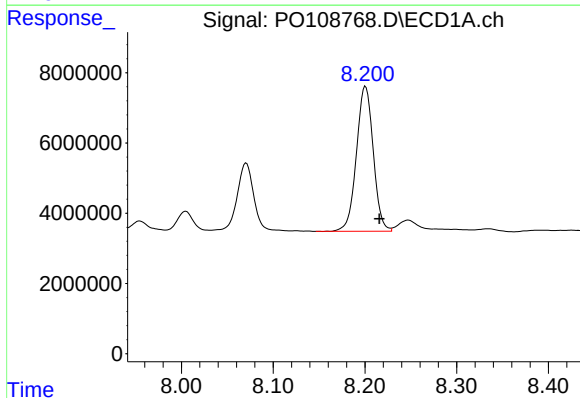
R.T.: 7.702 min
Delta R.T.: -0.015 min
Response: 174959821
Conc: 216.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



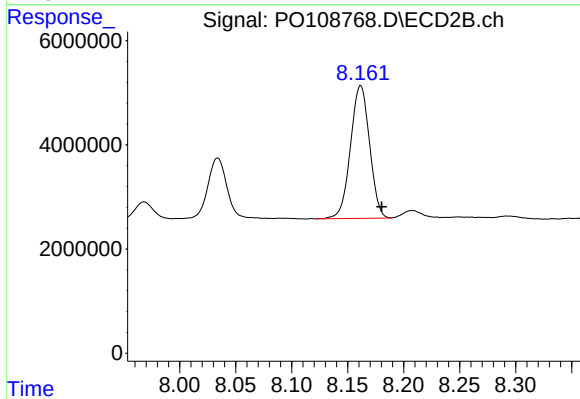
#39 AR-1262-4

R.T.: 7.668 min
Delta R.T.: -0.019 min
Response: 100568559
Conc: 245.54 ng/ml



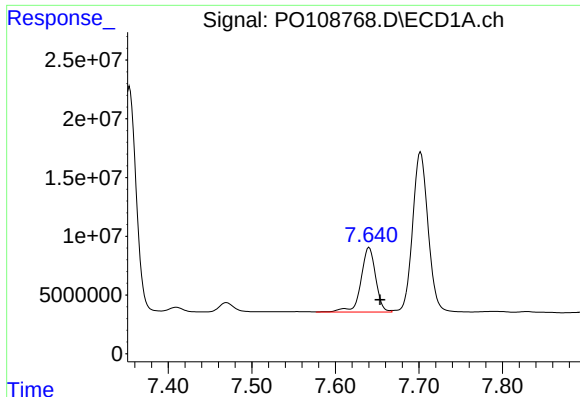
#40 AR-1262-5

R.T.: 8.201 min
Delta R.T.: -0.015 min
Response: 52598145
Conc: 148.19 ng/ml



#40 AR-1262-5

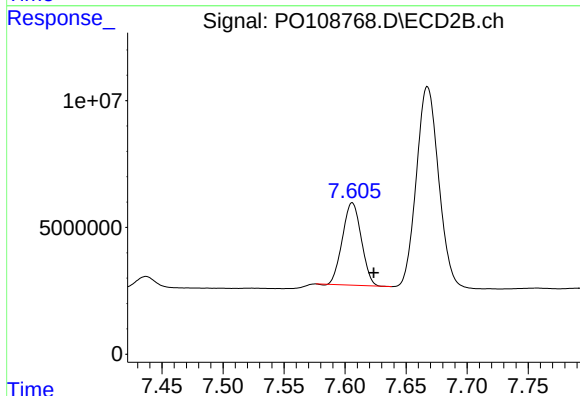
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 30272490
Conc: 163.79 ng/ml



#41 AR-1268-1

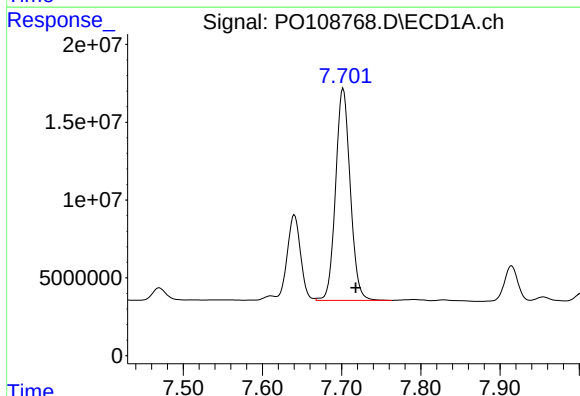
R.T.: 7.640 min
Delta R.T.: -0.013 min
Response: 67077179
Conc: 53.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



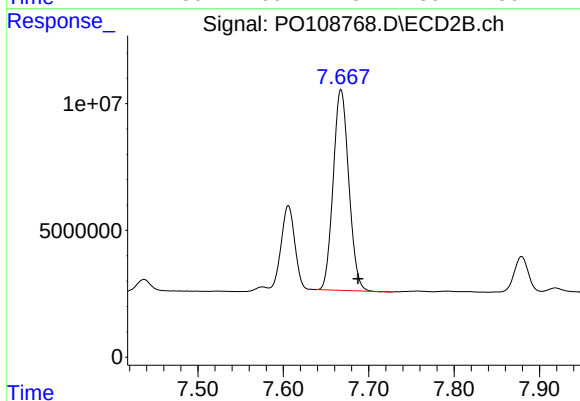
#41 AR-1268-1

R.T.: 7.606 min
Delta R.T.: -0.018 min
Response: 35034083
Conc: 54.24 ng/ml



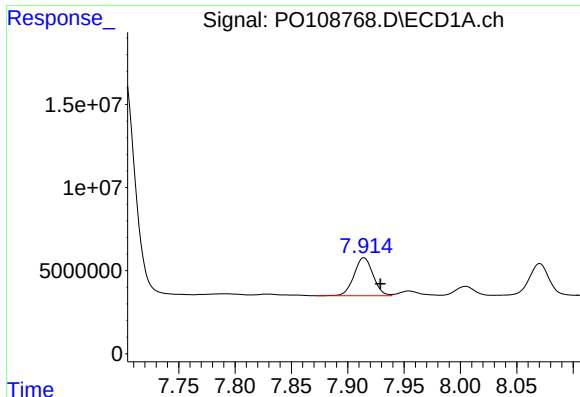
#42 AR-1268-2

R.T.: 7.702 min
Delta R.T.: -0.016 min
Response: 174959821
Conc: 155.98 ng/ml



#42 AR-1268-2

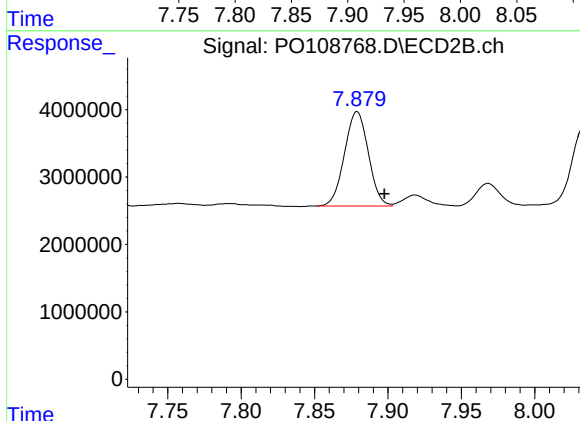
R.T.: 7.668 min
Delta R.T.: -0.020 min
Response: 100568559
Conc: 172.94 ng/ml



#43 AR-1268-3

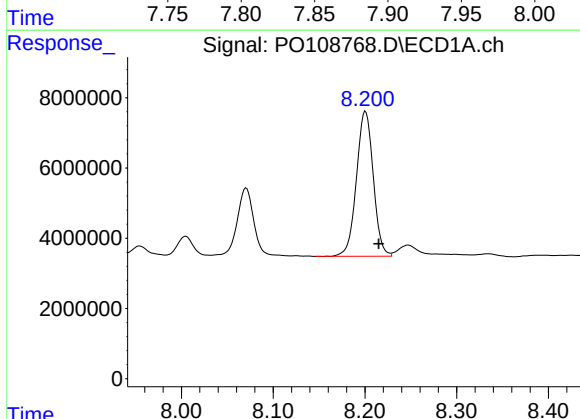
R.T.: 7.915 min
Delta R.T.: -0.014 min
Response: 27007504
Conc: 29.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



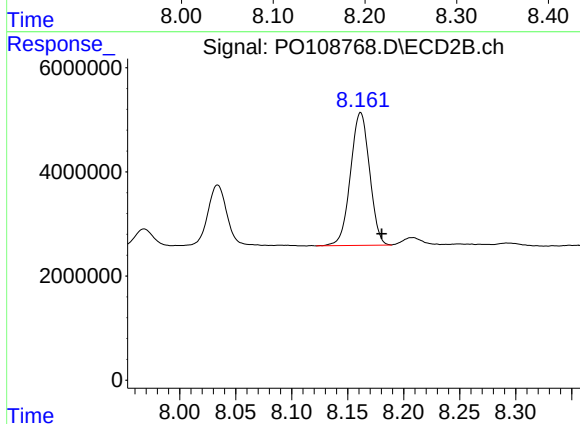
#43 AR-1268-3

R.T.: 7.879 min
Delta R.T.: -0.019 min
Response: 15829301
Conc: 31.73 ng/ml



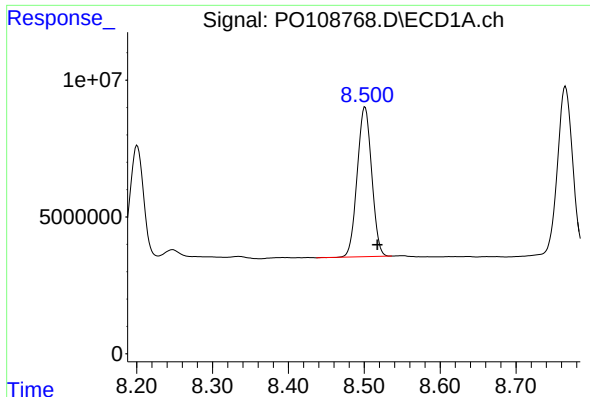
#44 AR-1268-4

R.T.: 8.201 min
Delta R.T.: -0.014 min
Response: 52598145
Conc: 135.95 ng/ml



#44 AR-1268-4

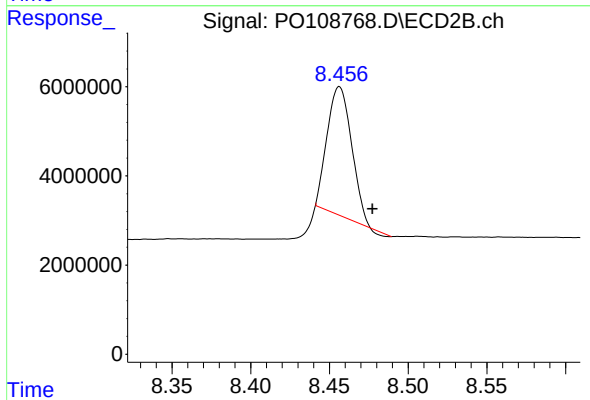
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 30272490
Conc: 149.10 ng/ml



#45 AR-1268-5

R.T.: 8.501 min
Delta R.T.: -0.016 min
Response: 72586096
Conc: 26.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AU-06-122024MSD



#45 AR-1268-5

R.T.: 8.456 min
Delta R.T.: -0.021 min
Response: 30874529
Conc: 20.79 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0122624\
 Data File : P0108769.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Dec 2024 14:10
 Operator : YP/AJ
 Sample : P5380-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TAPIAL3-IDW-SOIL-122024-T1

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 26 20:26:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0120624.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	178.3E6	98283405	20.495	19.388
2)	SA Decachlor...	8.766	8.763	104.2E6	1432573	14.271	0.370 #
Target Compounds							
3)	L1 AR-1016-1	0.000	4.804	0	2979313	N.D.	18.566 #
4)	L1 AR-1016-2	0.000	4.804	0	2979313	N.D.	13.415 #
5)	L1 AR-1016-3	0.000	4.989	0	1090703	N.D.	8.668 #
6)	L1 AR-1016-4	0.000	5.040	0	189418	N.D.	1.807 #
7)	L1 AR-1016-5	5.330f	5.230	2263542	1140402	8.994	8.434
8)	L2 AR-1221-1	0.000	3.925	0	114526	N.D.	1.844 #
9)	L2 AR-1221-2	4.006	4.001	4251549	2427849	49.026	51.172
10)	L2 AR-1221-3	0.000	4.089	0	148117	N.D.	1.054 #
11)	L3 AR-1232-1	0.000	4.089	0	148117	N.D.	1.322 #
12)	L3 AR-1232-2	4.583	4.804	-1725779	2979313	N.D.	28.172 #
13)	L3 AR-1232-3	0.000	4.989	0	1090703	N.D.	18.074 #
14)	L3 AR-1232-4	0.000	5.066	0	497448	N.D.	8.954 #
15)	L3 AR-1232-5	0.000	5.230	0	1140402	N.D.	19.807 #
16)	L4 AR-1242-1	0.000	4.804	0	2979313	N.D.	21.944 #
17)	L4 AR-1242-2	0.000	4.804	0	2979313	N.D.	16.065 #
18)	L4 AR-1242-3	0.000	4.989	0	1090703	N.D.	10.350 #
19)	L4 AR-1242-4	0.000	5.066	0	497448	N.D.	4.635 #
20)	L4 AR-1242-5	0.000	5.594	0	50515844	N.D.	399.650 #
21)	L5 AR-1248-1	0.000	4.804	0	2979313	N.D.	28.342 #
22)	L5 AR-1248-2	0.000	5.030	0	298231	N.D.	1.997 #
23)	L5 AR-1248-3	5.330f	5.066	2263542	497448	6.638	3.140 #
24)	L5 AR-1248-4	0.000	5.230	0	1140402	N.D.	6.247 #
25)	L5 AR-1248-5	0.000	5.594f	0	50515844	N.D.	287.670 #
26)	L6 AR-1254-1	0.000	5.594	0	50515844	N.D.	186.521 #
27)	L6 AR-1254-2	0.000	5.773	0	722871	N.D.	3.012 #
28)	L6 AR-1254-3	6.230f	6.168	65031839	525220	90.306	1.399 #
29)	L6 AR-1254-4	0.000	6.357	0	105449	N.D.	0.484 #
30)	L6 AR-1254-5	6.893f	6.817	2983180	229451	4.697	0.711 #
31)	L7 AR-1260-1	0.000	6.268	0	103944	N.D.	0.444 #
32)	L7 AR-1260-2	0.000	6.474	0	1946787	N.D.	6.939 #
33)	L7 AR-1260-3	6.893	6.616	2983180	1554998	6.434	5.900
34)	L7 AR-1260-4	0.000	7.096	0	43623	N.D.	0.205 #
35)	L7 AR-1260-5	0.000	7.305	0	517939	N.D.	1.070 #
36)	L8 AR-1262-1	6.893	6.842	2983180	466121	4.531	1.379 #
37)	L8 AR-1262-2	0.000	7.305	0	517939	N.D.	0.906 #
38)	L8 AR-1262-3	7.722f	7.666f	153.2E6	128927	350.691	0.574 #
39)	L8 AR-1262-4	7.722	7.701	153.2E6	30130	190.006	0.074 #
40)	L8 AR-1262-5	0.000	8.161	0	96909	N.D.	0.524 #
41)	L9 AR-1268-1	7.722f	7.666f	153.2E6	128927	123.151	0.200 #

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO122624\
Data File : PO108769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 14:10
Operator : YP/AJ
Sample : P5380-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:26:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_0\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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
42)	L9 AR-1268-2	7.722	7.701	153.2E6	30130	136.584	0.052 #
43)	L9 AR-1268-3	0.000	7.909	0	220111	N.D.	0.441 #
44)	L9 AR-1268-4	0.000	8.161	0	96909	N.D.	0.477 #
45)	L9 AR-1268-5	0.000	8.482	0	65439	N.D.	0.044 #

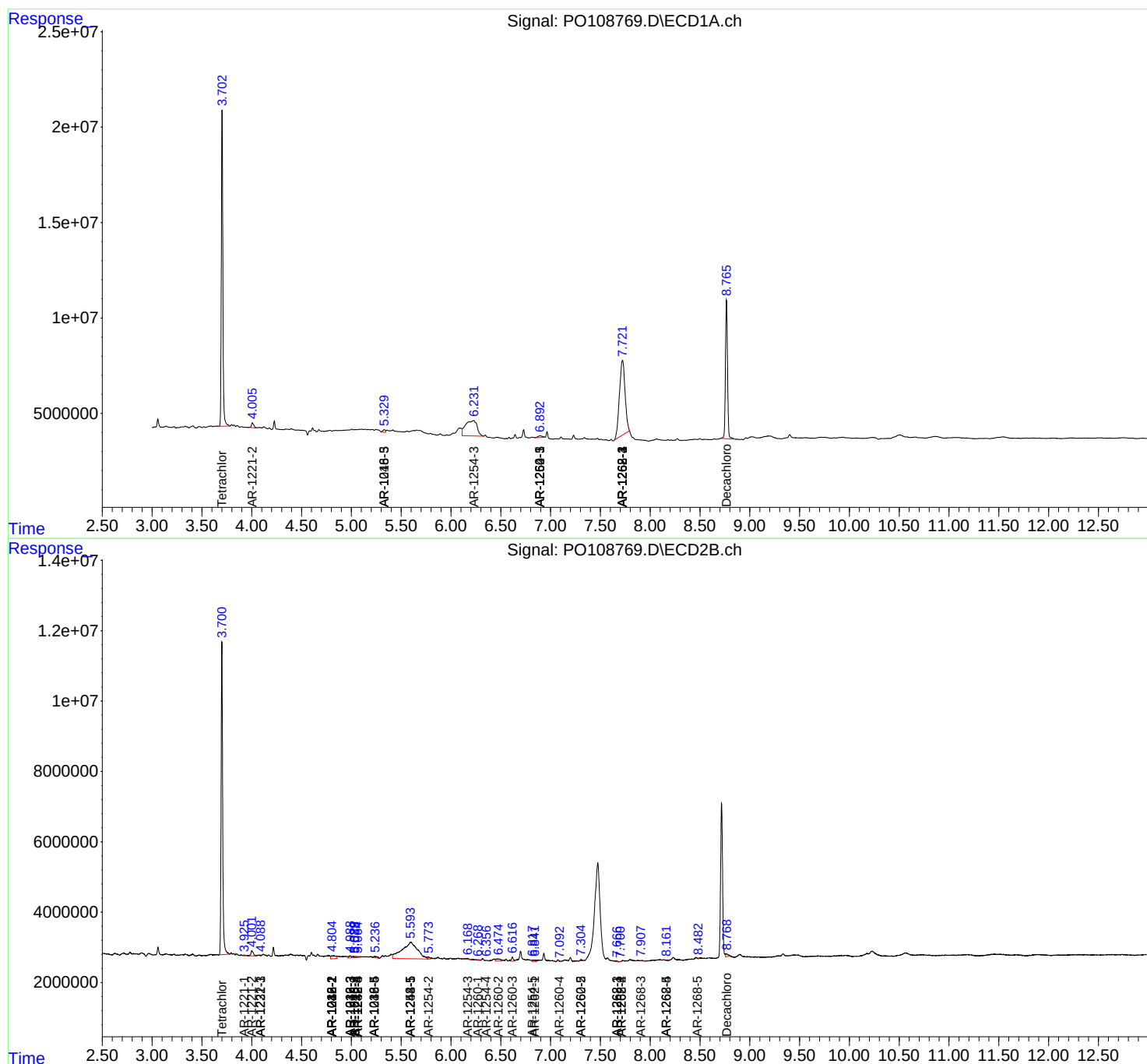
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

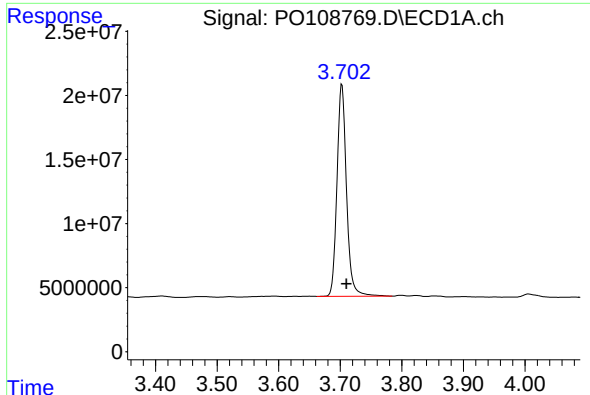
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 14:10
Operator : YP/AJ
Sample : P5380-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:26:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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

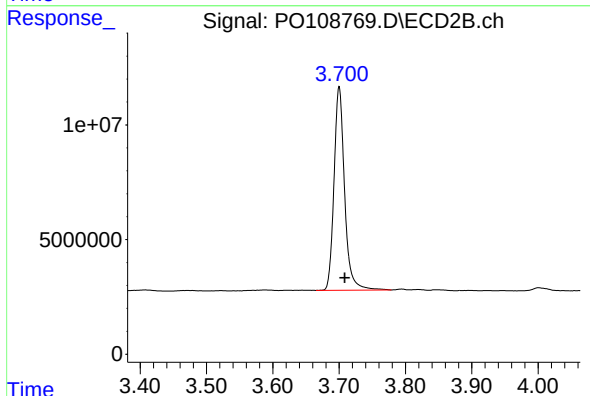




#1 Tetrachloro-m-xylene

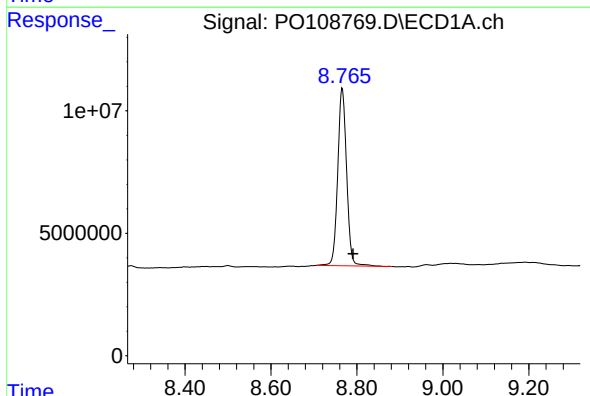
R.T.: 3.703 min
Delta R.T.: -0.007 min
Response: 178309080
Conc: 20.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



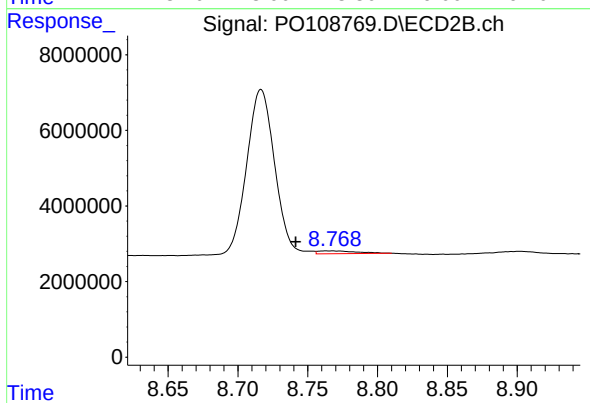
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.008 min
Response: 98283405
Conc: 19.39 ng/ml



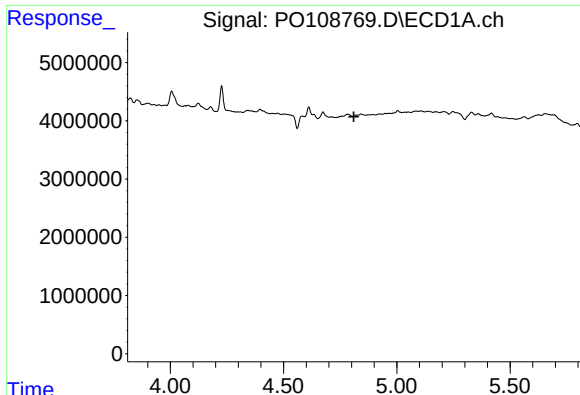
#2 Decachlorobiphenyl

R.T.: 8.766 min
Delta R.T.: -0.025 min
Response: 104233514
Conc: 14.27 ng/ml



#2 Decachlorobiphenyl

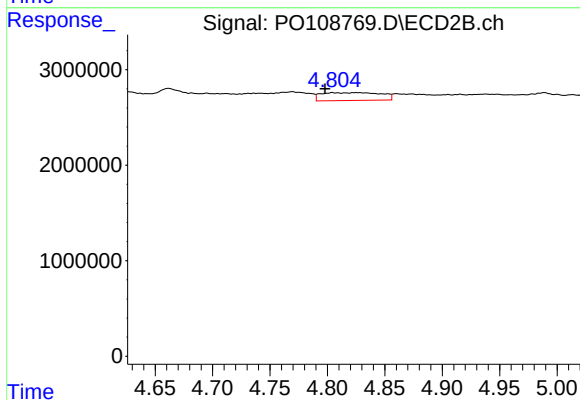
R.T.: 8.763 min
Delta R.T.: 0.022 min
Response: 1432573
Conc: 0.37 ng/ml



#3 AR-1016-1

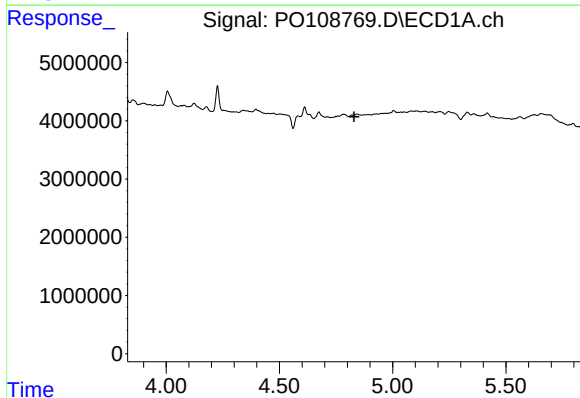
R.T.: 0.000 min
Exp R.T.: 4.810 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



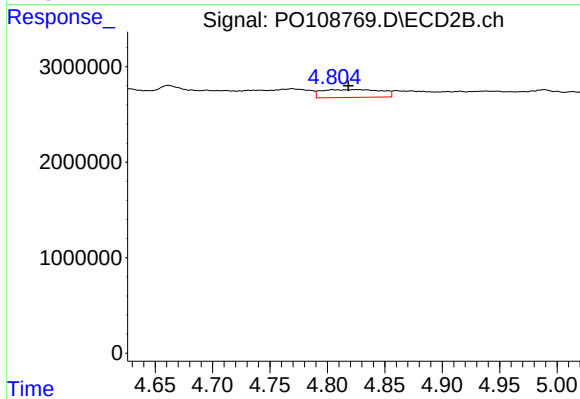
#3 AR-1016-1

R.T.: 4.804 min
Delta R.T.: 0.006 min
Response: 2979313
Conc: 18.57 ng/ml



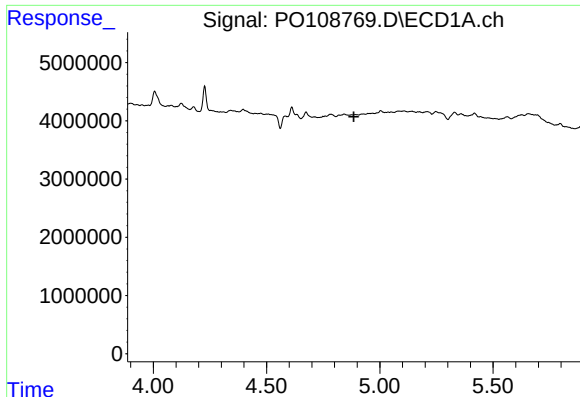
#4 AR-1016-2

R.T.: 0.000 min
Exp R.T.: 4.830 min
Response: 0
Conc: N.D.



#4 AR-1016-2

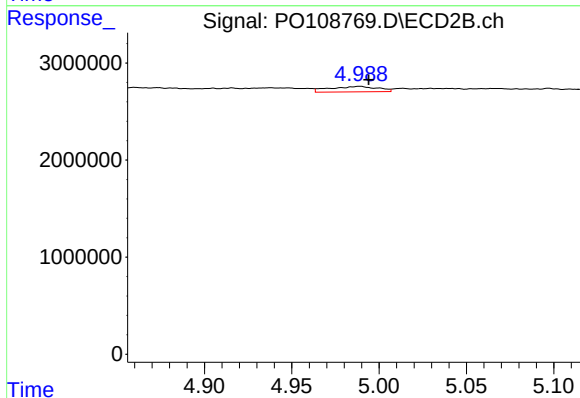
R.T.: 4.804 min
Delta R.T.: -0.014 min
Response: 2979313
Conc: 13.41 ng/ml



#5 AR-1016-3

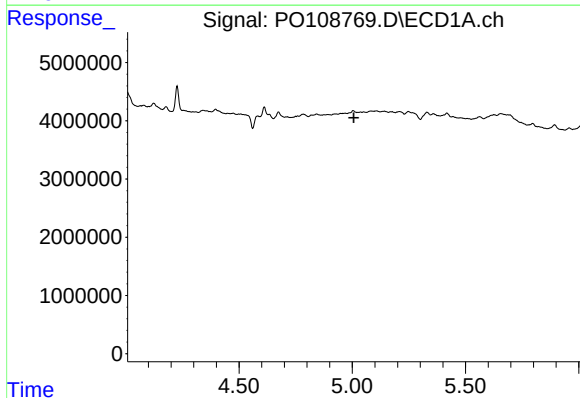
R.T.: 0.000 min
Exp R.T.: 4.885 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



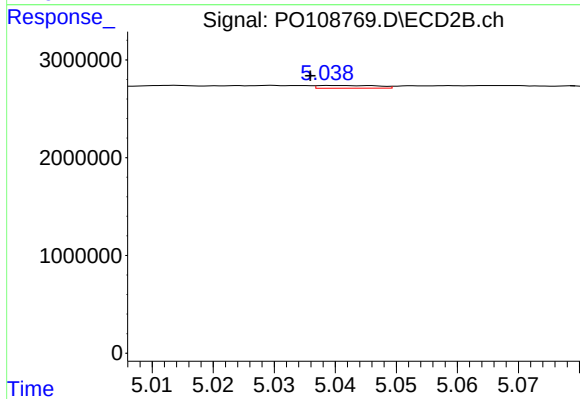
#5 AR-1016-3

R.T.: 4.989 min
Delta R.T.: -0.005 min
Response: 1090703
Conc: 8.67 ng/ml



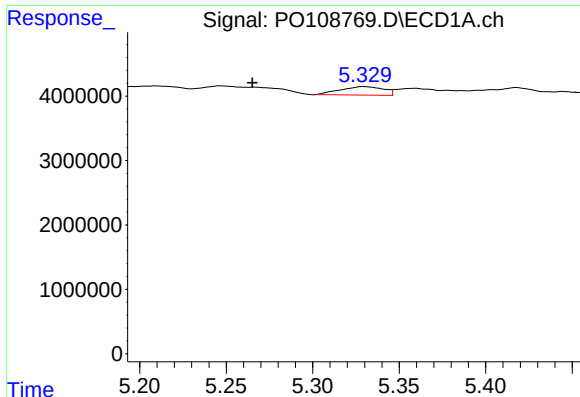
#6 AR-1016-4

R.T.: 0.000 min
Exp R.T.: 5.007 min
Response: 0
Conc: N.D.



#6 AR-1016-4

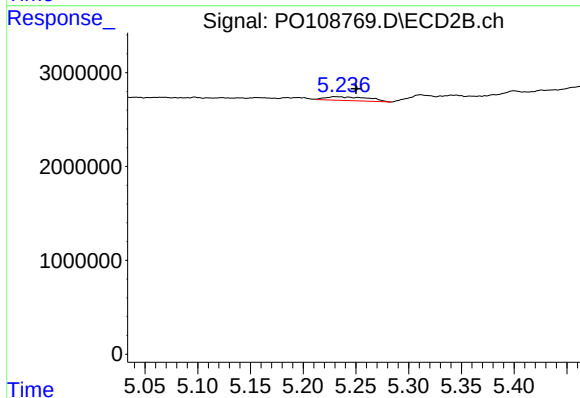
R.T.: 5.040 min
Delta R.T.: 0.004 min
Response: 189418
Conc: 1.81 ng/ml



#7 AR-1016-5

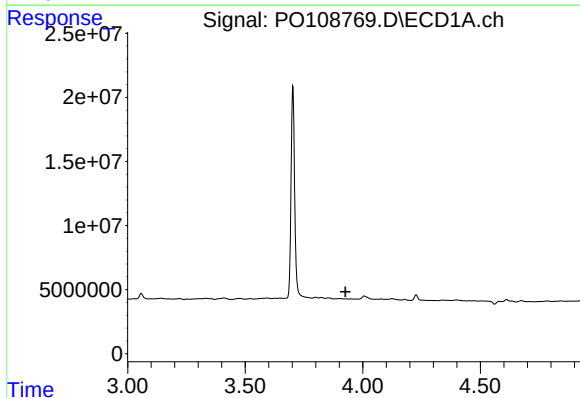
R.T.: 5.330 min
Delta R.T.: 0.065 min
Response: 2263542
Conc: 8.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



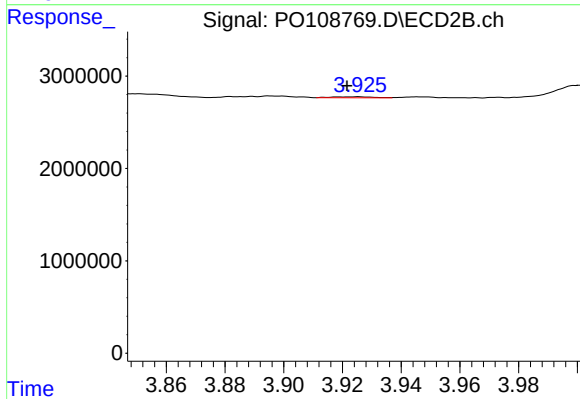
#7 AR-1016-5

R.T.: 5.230 min
Delta R.T.: -0.020 min
Response: 1140402
Conc: 8.43 ng/ml



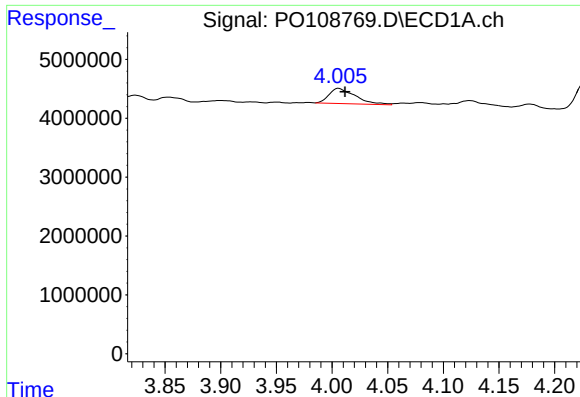
#8 AR-1221-1

R.T.: 0.000 min
Exp R.T. : 3.925 min
Response: 0
Conc: N.D.



#8 AR-1221-1

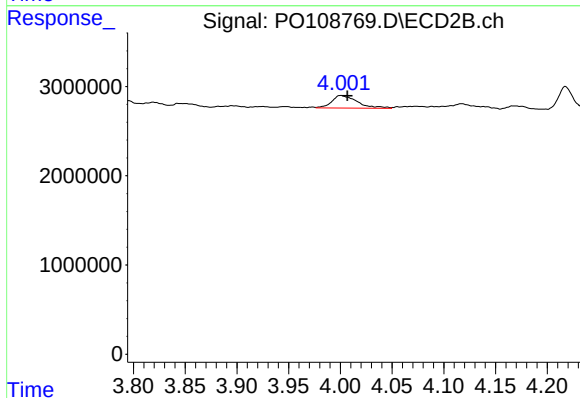
R.T.: 3.925 min
Delta R.T.: 0.004 min
Response: 114526
Conc: 1.84 ng/ml



#9 AR-1221-2

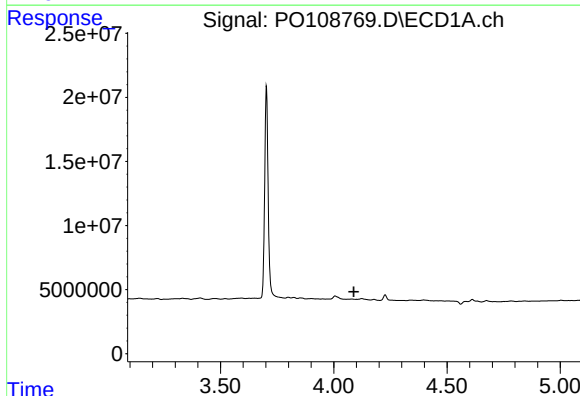
R.T.: 4.006 min
Delta R.T.: -0.005 min
Response: 4251549
Conc: 49.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



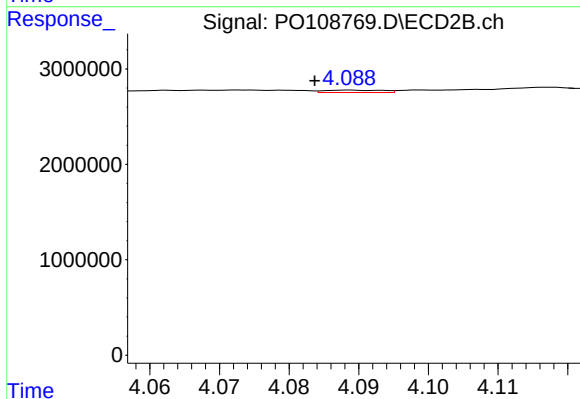
#9 AR-1221-2

R.T.: 4.001 min
Delta R.T.: -0.006 min
Response: 2427849
Conc: 51.17 ng/ml



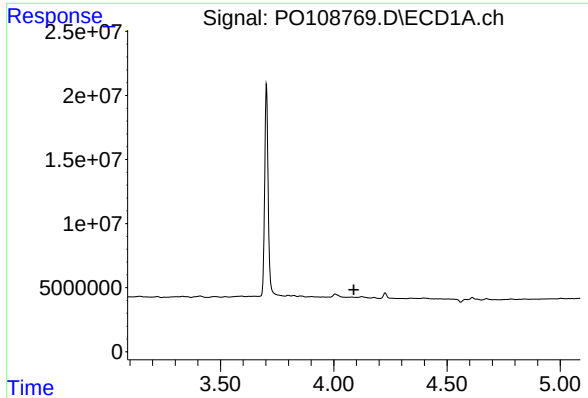
#10 AR-1221-3

R.T.: 0.000 min
Exp R.T. : 4.089 min
Response: 0
Conc: N.D.



#10 AR-1221-3

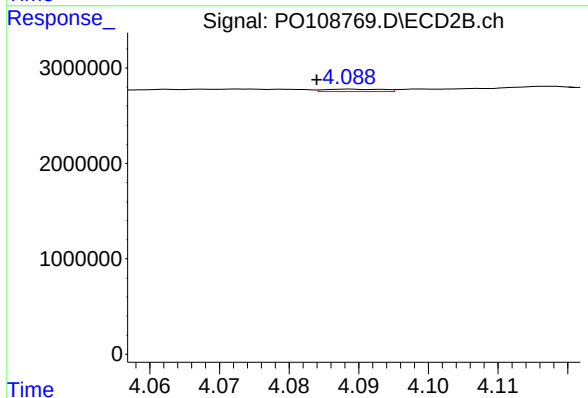
R.T.: 4.089 min
Delta R.T.: 0.005 min
Response: 148117
Conc: 1.05 ng/ml



#11 AR-1232-1

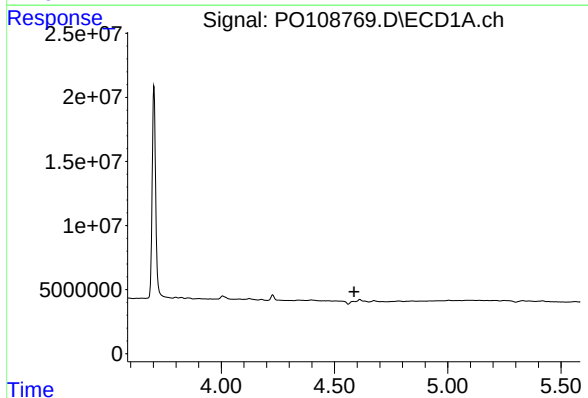
R.T.: 0.000 min
Exp R.T.: 4.089 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



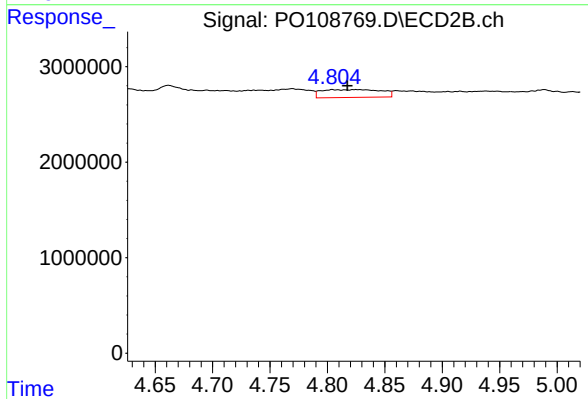
#11 AR-1232-1

R.T.: 4.089 min
Delta R.T.: 0.005 min
Response: 148117
Conc: 1.32 ng/ml



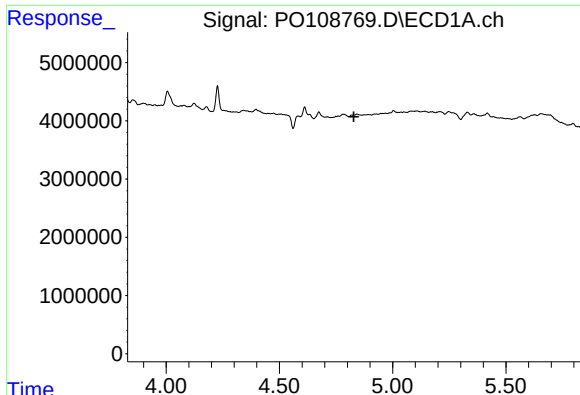
#12 AR-1232-2

R.T.: 4.583 min
Delta R.T.: -0.003 min
Response: -1725779
Conc: N.D.



#12 AR-1232-2

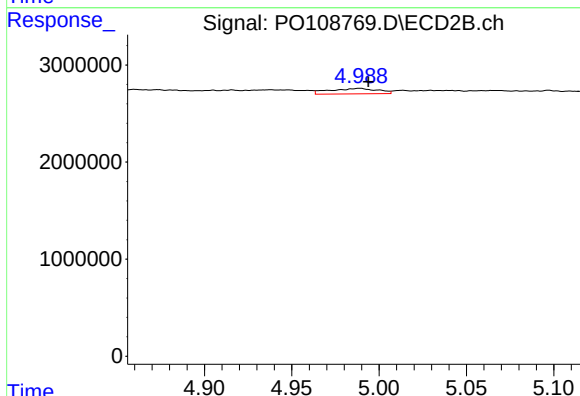
R.T.: 4.804 min
Delta R.T.: -0.013 min
Response: 2979313
Conc: 28.17 ng/ml



#13 AR-1232-3

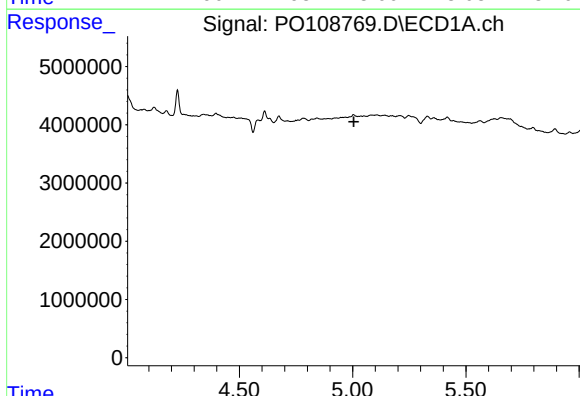
R.T.: 0.000 min
Exp R.T.: 4.829 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



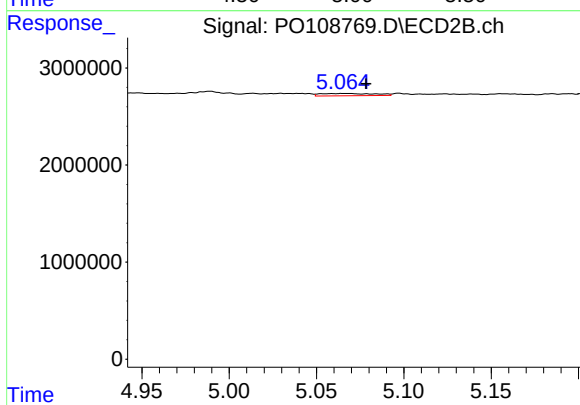
#13 AR-1232-3

R.T.: 4.989 min
Delta R.T.: -0.005 min
Response: 1090703
Conc: 18.07 ng/ml



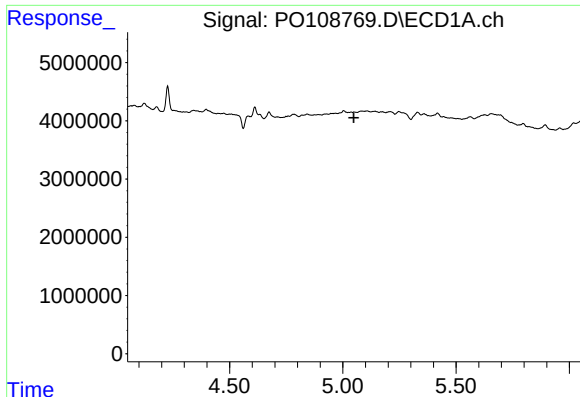
#14 AR-1232-4

R.T.: 0.000 min
Exp R.T.: 5.005 min
Response: 0
Conc: N.D.



#14 AR-1232-4

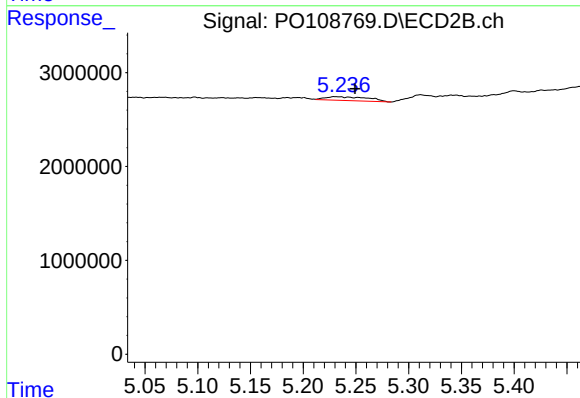
R.T.: 5.066 min
Delta R.T.: -0.013 min
Response: 497448
Conc: 8.95 ng/ml



#15 AR-1232-5

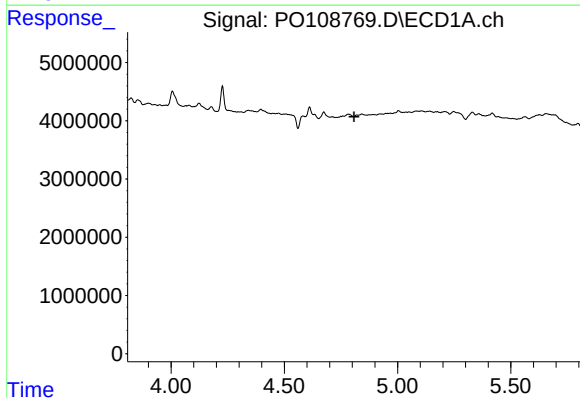
R.T.: 0.000 min
Exp R.T.: 5.048 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



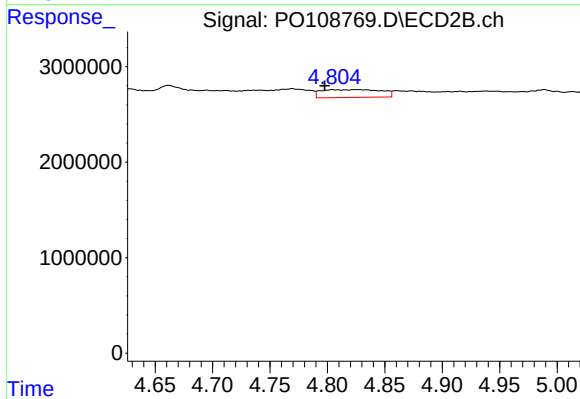
#15 AR-1232-5

R.T.: 5.230 min
Delta R.T.: -0.019 min
Response: 1140402
Conc: 19.81 ng/ml



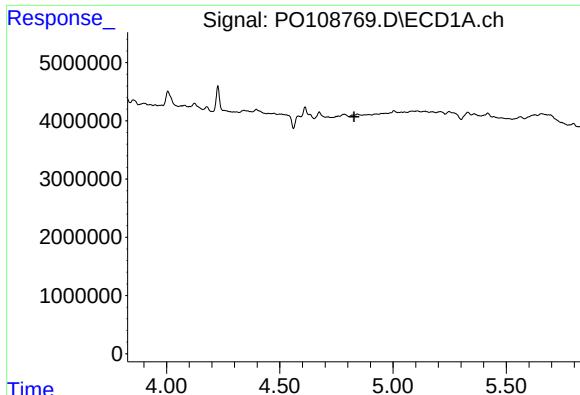
#16 AR-1242-1

R.T.: 0.000 min
Exp R.T.: 4.808 min
Response: 0
Conc: N.D.



#16 AR-1242-1

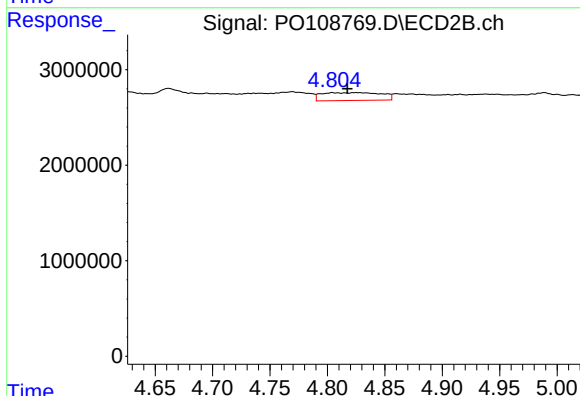
R.T.: 4.804 min
Delta R.T.: 0.007 min
Response: 2979313
Conc: 21.94 ng/ml



#17 AR-1242-2

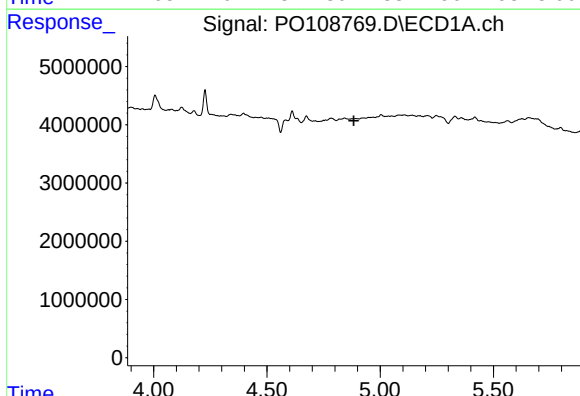
R.T.: 0.000 min
Exp R.T.: 4.828 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



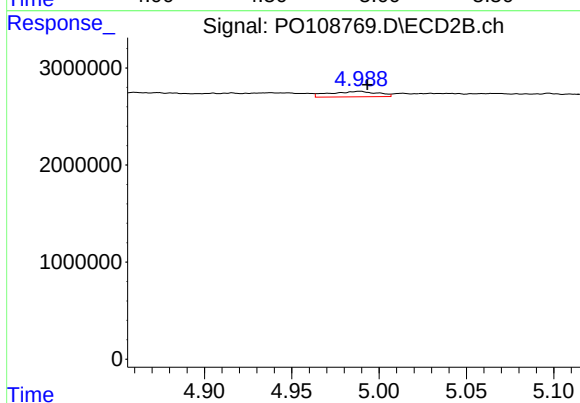
#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: -0.013 min
Response: 2979313
Conc: 16.06 ng/ml



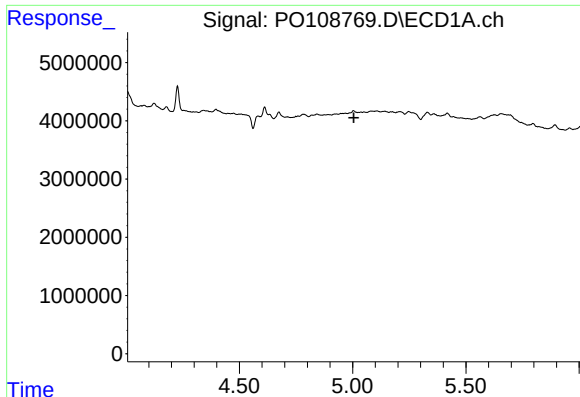
#18 AR-1242-3

R.T.: 0.000 min
Exp R.T.: 4.884 min
Response: 0
Conc: N.D.



#18 AR-1242-3

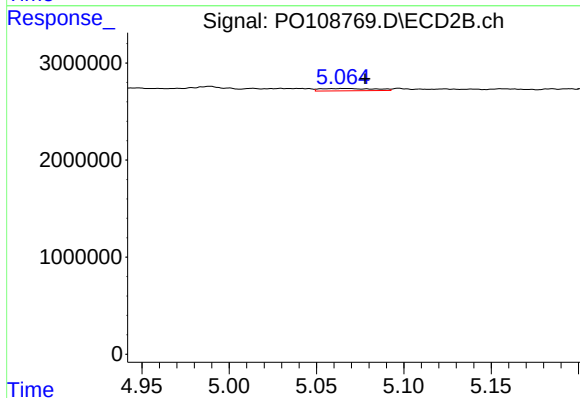
R.T.: 4.989 min
Delta R.T.: -0.005 min
Response: 1090703
Conc: 10.35 ng/ml



#19 AR-1242-4

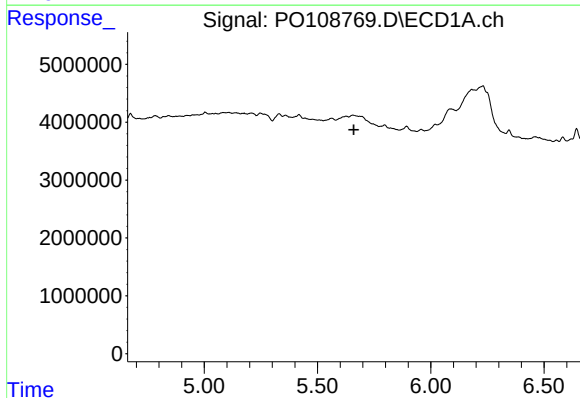
R.T.: 0.000 min
Exp R.T.: 5.005 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



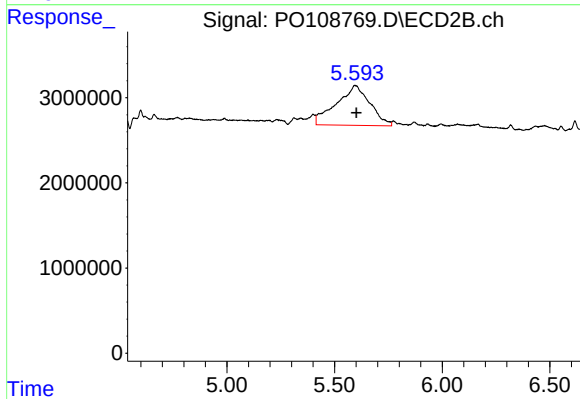
#19 AR-1242-4

R.T.: 5.066 min
Delta R.T.: -0.012 min
Response: 497448
Conc: 4.63 ng/ml



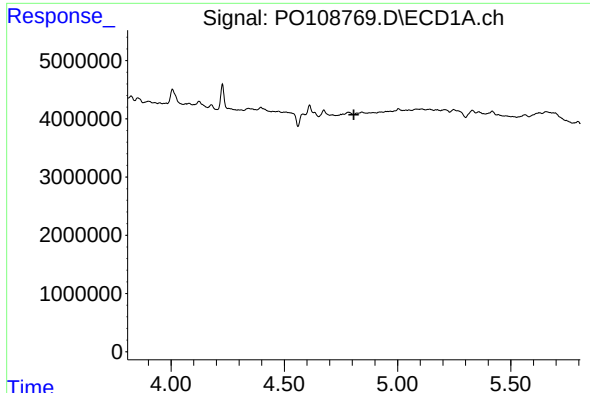
#20 AR-1242-5

R.T.: 0.000 min
Exp R.T.: 5.660 min
Response: 0
Conc: N.D.



#20 AR-1242-5

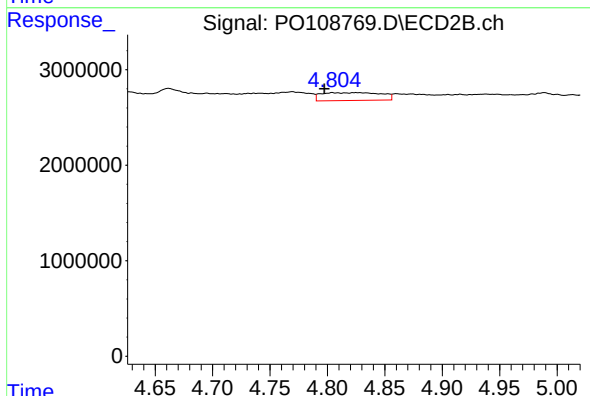
R.T.: 5.594 min
Delta R.T.: -0.007 min
Response: 50515844
Conc: 399.65 ng/ml



#21 AR-1248-1

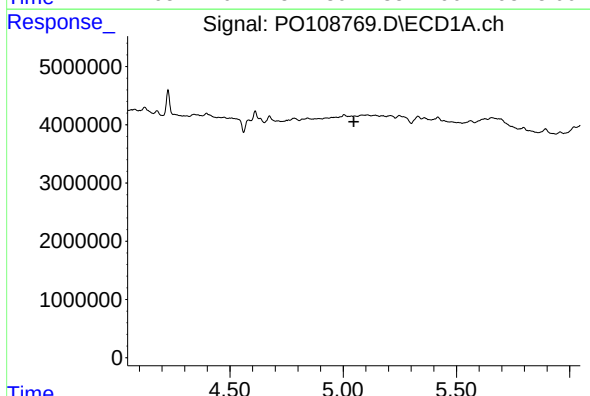
R.T.: 0.000 min
Exp R.T.: 4.807 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



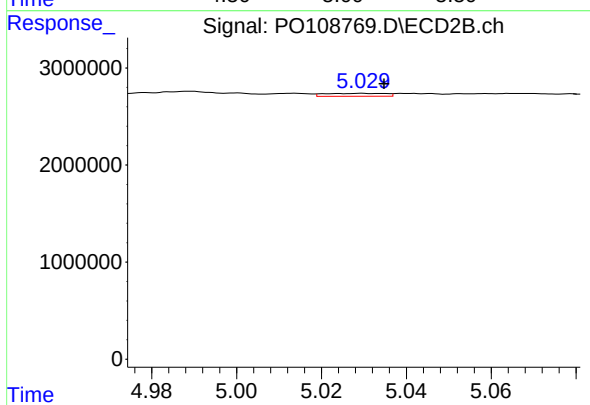
#21 AR-1248-1

R.T.: 4.804 min
Delta R.T.: 0.007 min
Response: 2979313
Conc: 28.34 ng/ml



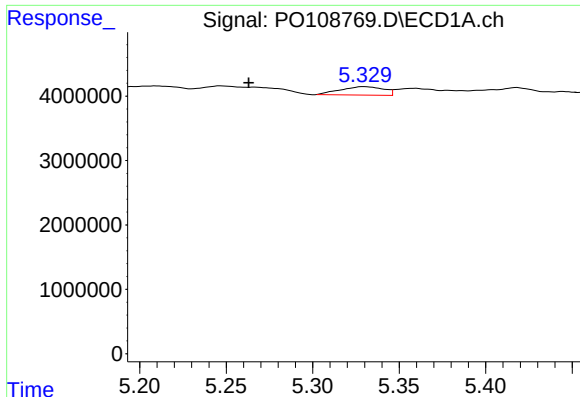
#22 AR-1248-2

R.T.: 0.000 min
Exp R.T.: 5.047 min
Response: 0
Conc: N.D.



#22 AR-1248-2

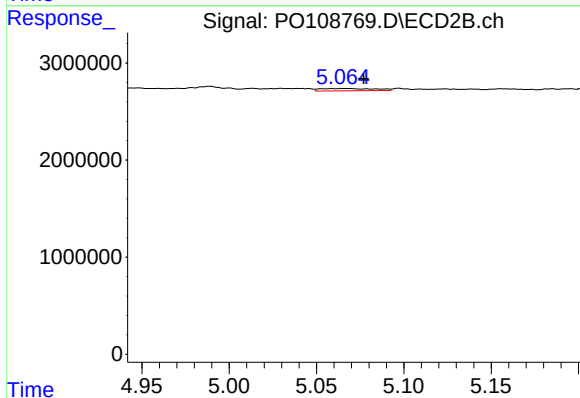
R.T.: 5.030 min
Delta R.T.: -0.005 min
Response: 298231
Conc: 2.00 ng/ml



#23 AR-1248-3

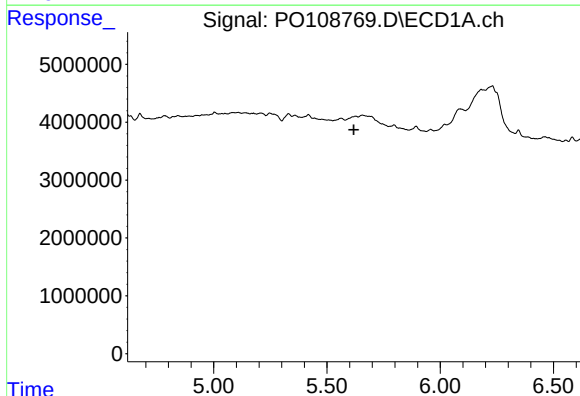
R.T.: 5.330 min
Delta R.T.: 0.067 min
Response: 2263542
Conc: 6.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



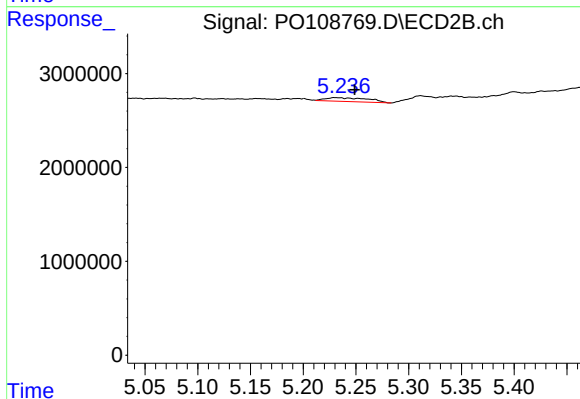
#23 AR-1248-3

R.T.: 5.066 min
Delta R.T.: -0.012 min
Response: 497448
Conc: 3.14 ng/ml



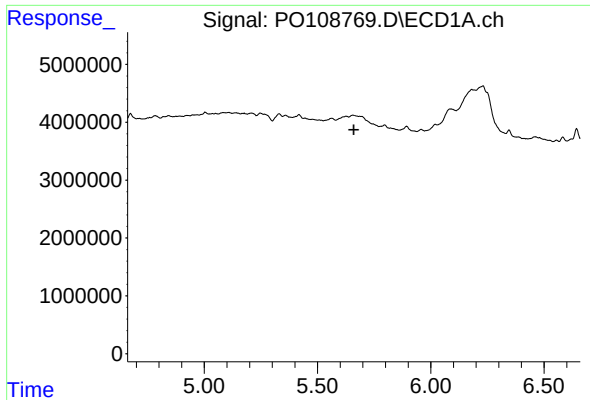
#24 AR-1248-4

R.T.: 0.000 min
Exp R.T. : 5.618 min
Response: 0
Conc: N.D.



#24 AR-1248-4

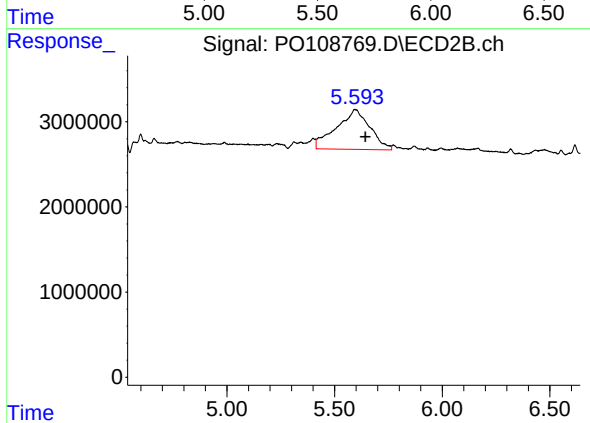
R.T.: 5.230 min
Delta R.T.: -0.019 min
Response: 1140402
Conc: 6.25 ng/ml



#25 AR-1248-5

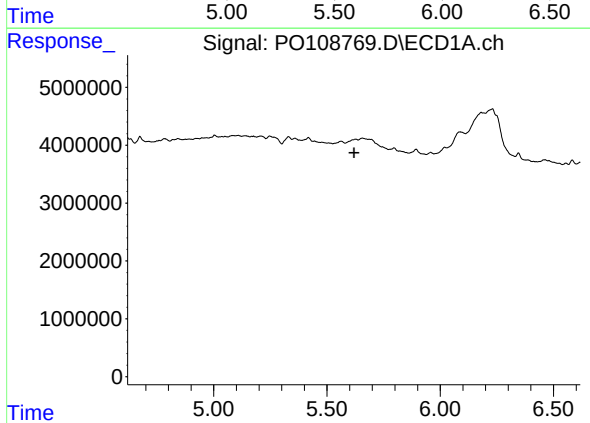
R.T.: 0.000 min
Exp R.T.: 5.660 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



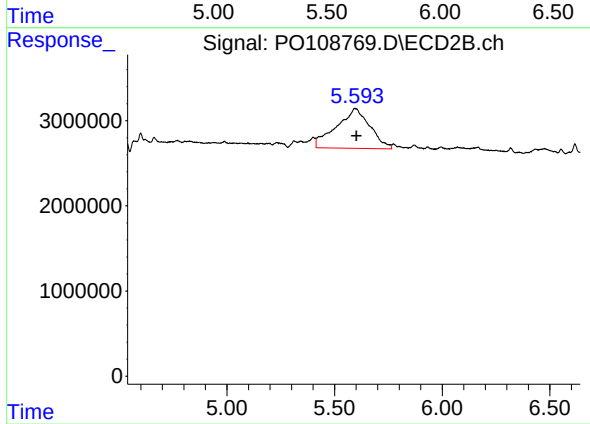
#25 AR-1248-5

R.T.: 5.594 min
Delta R.T.: -0.048 min
Response: 50515844
Conc: 287.67 ng/ml



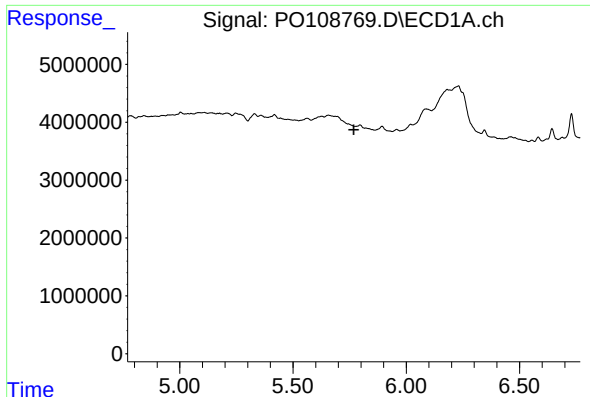
#26 AR-1254-1

R.T.: 0.000 min
Exp R.T.: 5.619 min
Response: 0
Conc: N.D.



#26 AR-1254-1

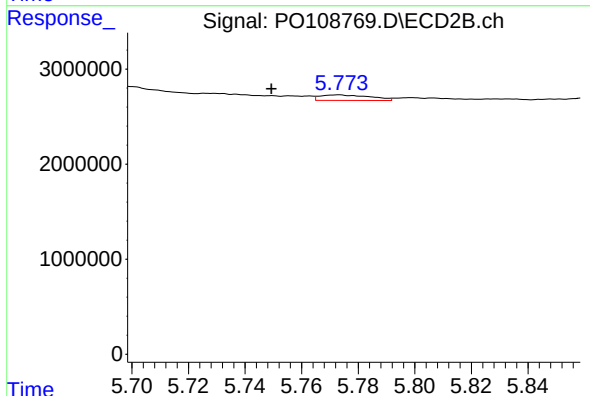
R.T.: 5.594 min
Delta R.T.: -0.008 min
Response: 50515844
Conc: 186.52 ng/ml



#27 AR-1254-2

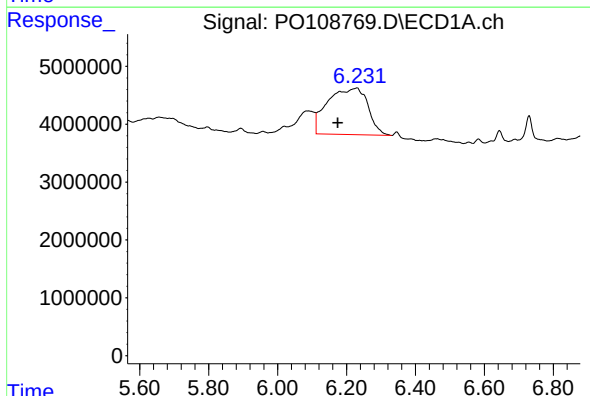
R.T.: 0.000 min
Exp R.T.: 5.768 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



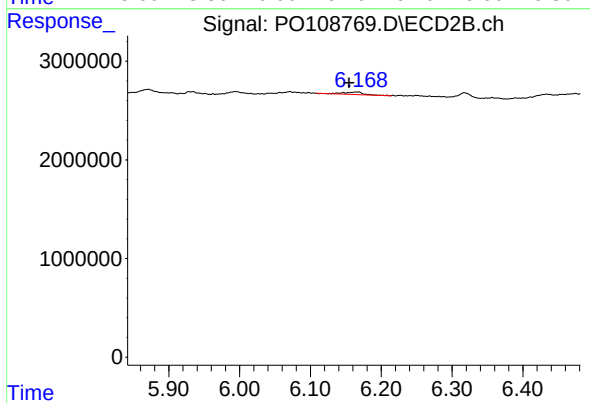
#27 AR-1254-2

R.T.: 5.773 min
Delta R.T.: 0.024 min
Response: 722871
Conc: 3.01 ng/ml



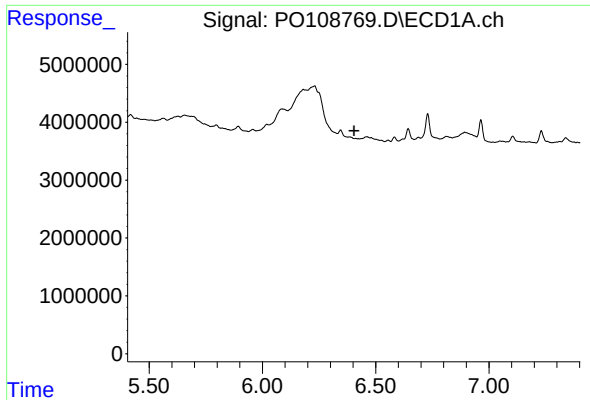
#28 AR-1254-3

R.T.: 6.230 min
Delta R.T.: 0.055 min
Response: 65031839
Conc: 90.31 ng/ml



#28 AR-1254-3

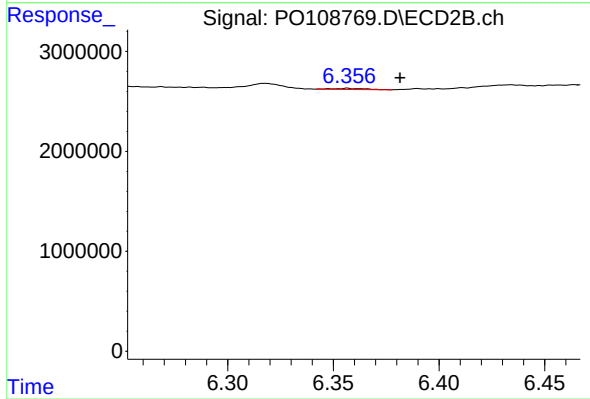
R.T.: 6.168 min
Delta R.T.: 0.013 min
Response: 525220
Conc: 1.40 ng/ml



#29 AR-1254-4

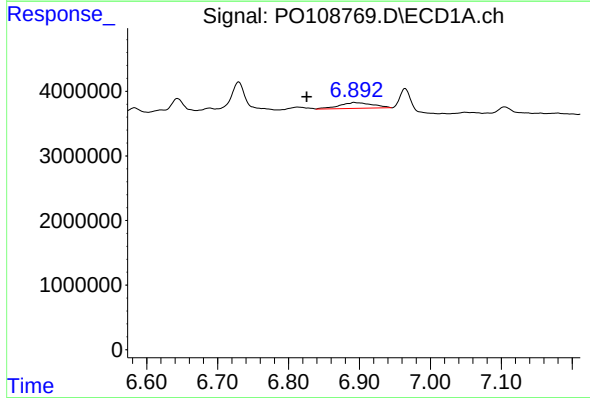
R.T.: 0.000 min
Exp R.T.: 6.404 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



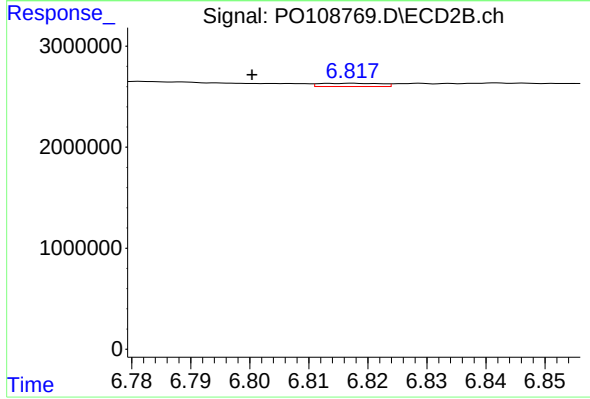
#29 AR-1254-4

R.T.: 6.357 min
Delta R.T.: -0.025 min
Response: 105449
Conc: 0.48 ng/ml



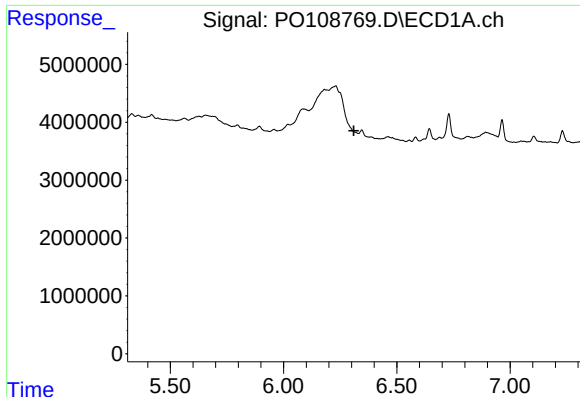
#30 AR-1254-5

R.T.: 6.893 min
Delta R.T.: 0.068 min
Response: 2983180
Conc: 4.70 ng/ml



#30 AR-1254-5

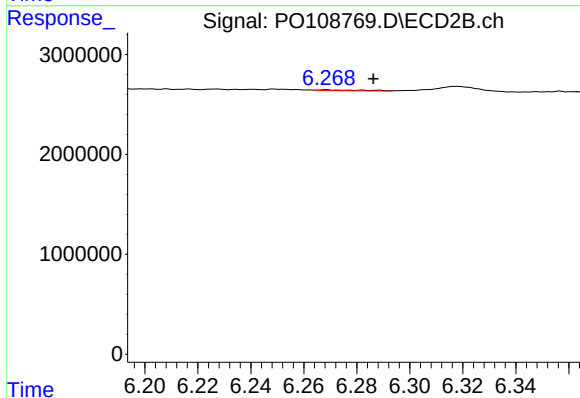
R.T.: 6.817 min
Delta R.T.: 0.017 min
Response: 229451
Conc: 0.71 ng/ml



#31 AR-1260-1

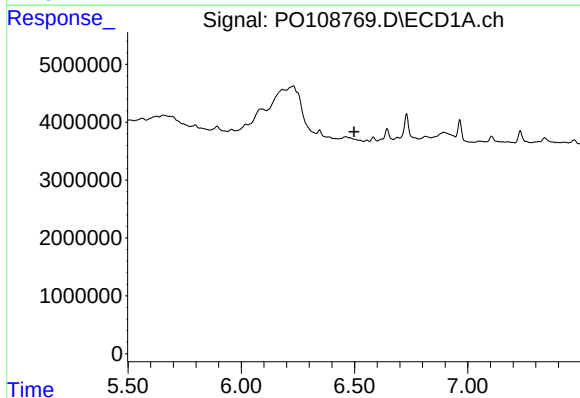
R.T.: 0.000 min
Exp R.T.: 6.310 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



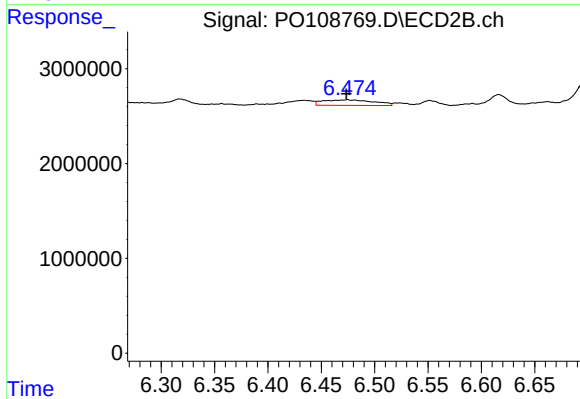
#31 AR-1260-1

R.T.: 6.268 min
Delta R.T.: -0.018 min
Response: 103944
Conc: 0.44 ng/ml



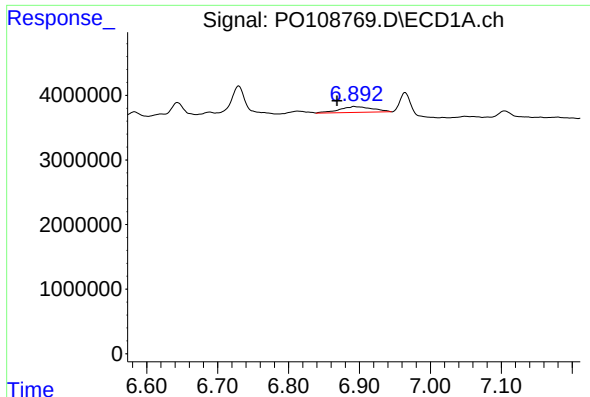
#32 AR-1260-2

R.T.: 0.000 min
Exp R.T.: 6.498 min
Response: 0
Conc: N.D.



#32 AR-1260-2

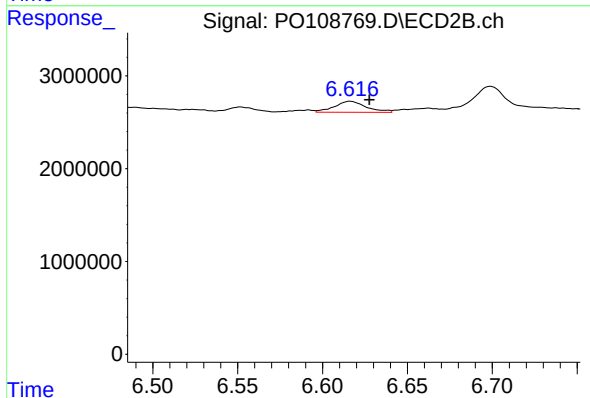
R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1946787
Conc: 6.94 ng/ml



#33 AR-1260-3

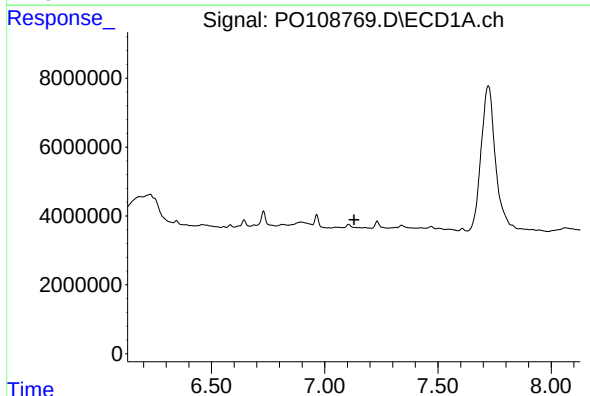
R.T.: 6.893 min
Delta R.T.: 0.025 min
Response: 2983180
Conc: 6.43 ng/ml

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



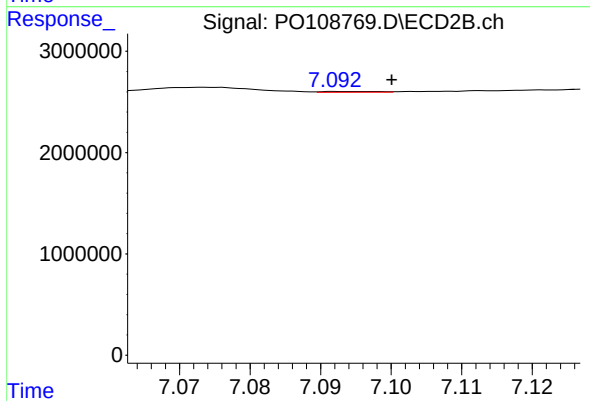
#33 AR-1260-3

R.T.: 6.616 min
Delta R.T.: -0.011 min
Response: 1554998
Conc: 5.90 ng/ml



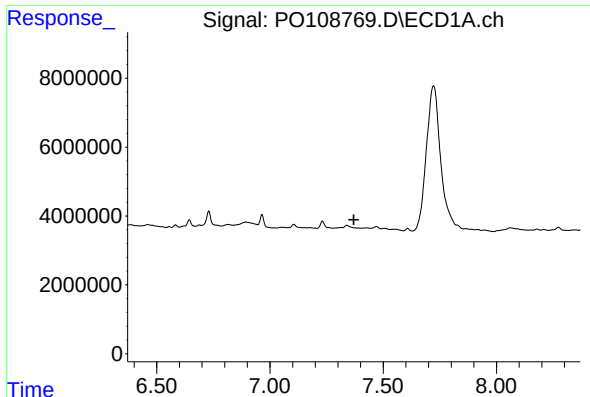
#34 AR-1260-4

R.T.: 0.000 min
Exp R.T. : 7.129 min
Response: 0
Conc: N.D.



#34 AR-1260-4

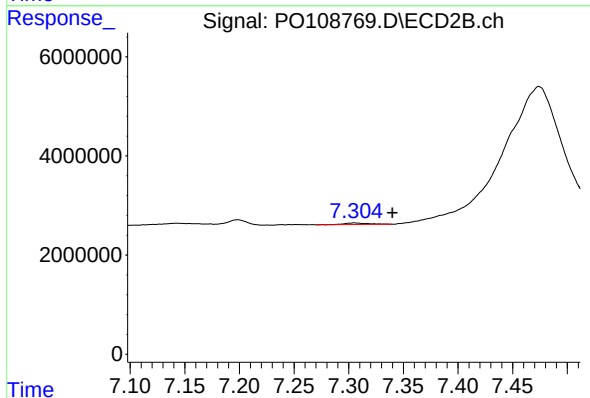
R.T.: 7.096 min
Delta R.T.: -0.004 min
Response: 43623
Conc: 0.21 ng/ml



#35 AR-1260-5

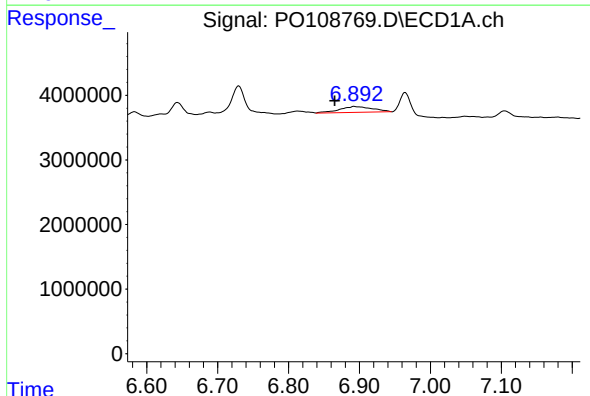
R.T.: 0.000 min
Exp R.T.: 7.370 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



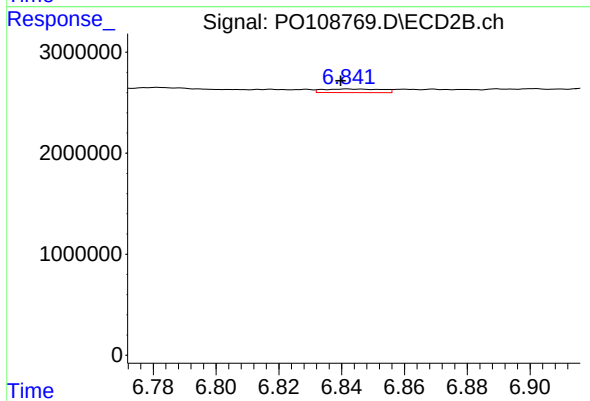
#35 AR-1260-5

R.T.: 7.305 min
Delta R.T.: -0.035 min
Response: 517939
Conc: 1.07 ng/ml



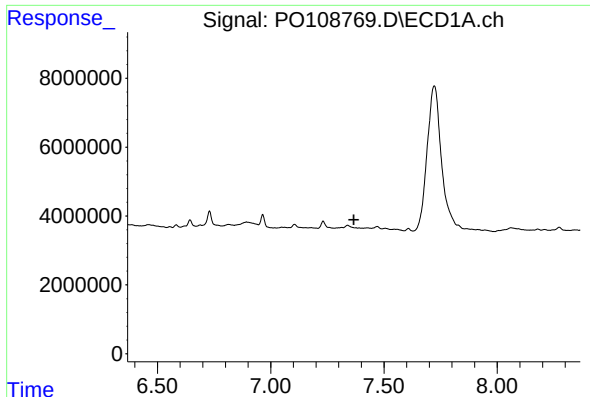
#36 AR-1262-1

R.T.: 6.893 min
Delta R.T.: 0.028 min
Response: 2983180
Conc: 4.53 ng/ml



#36 AR-1262-1

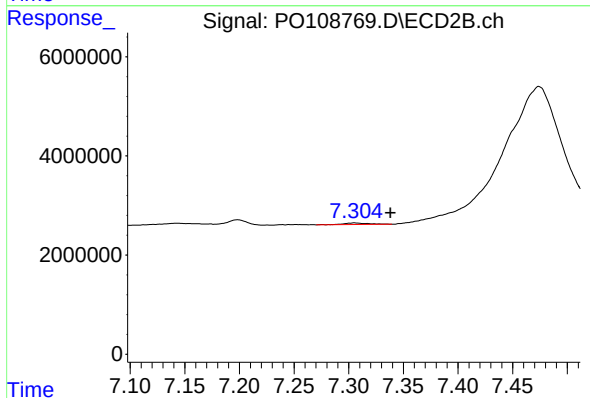
R.T.: 6.842 min
Delta R.T.: 0.002 min
Response: 466121
Conc: 1.38 ng/ml



#37 AR-1262-2

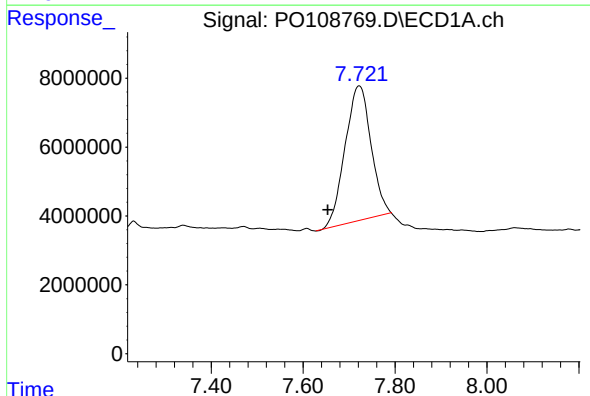
R.T.: 0.000 min
Exp R.T.: 7.367 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



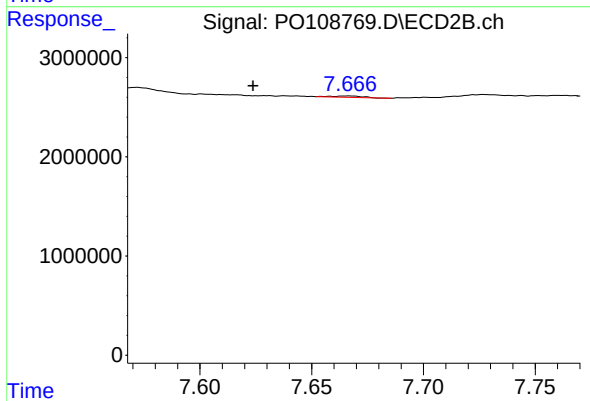
#37 AR-1262-2

R.T.: 7.305 min
Delta R.T.: -0.033 min
Response: 517939
Conc: 0.91 ng/ml



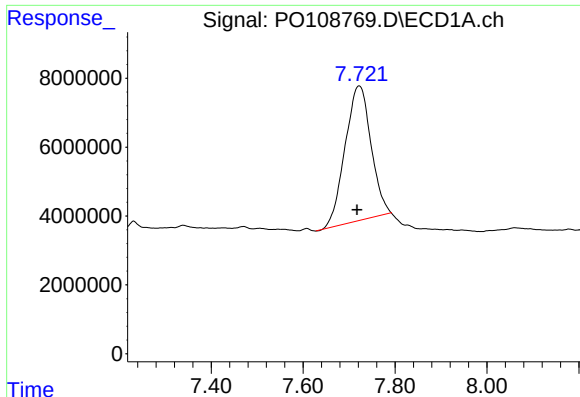
#38 AR-1262-3

R.T.: 7.722 min
Delta R.T.: 0.068 min
Response: 153201436
Conc: 350.69 ng/ml



#38 AR-1262-3

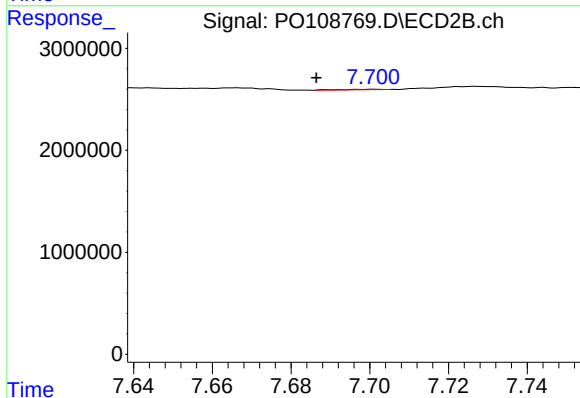
R.T.: 7.666 min
Delta R.T.: 0.042 min
Response: 128927
Conc: 0.57 ng/ml



#39 AR-1262-4

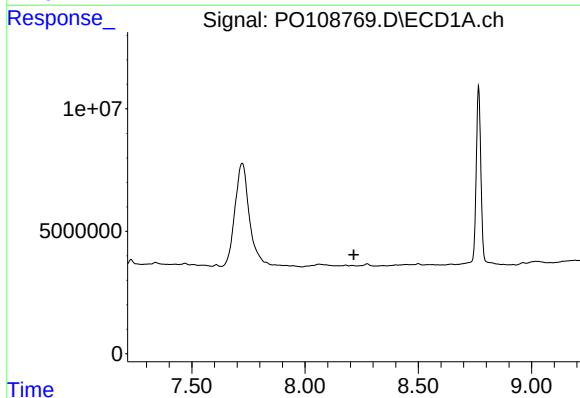
R.T.: 7.722 min
Delta R.T.: 0.005 min
Response: 153201436
Conc: 190.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



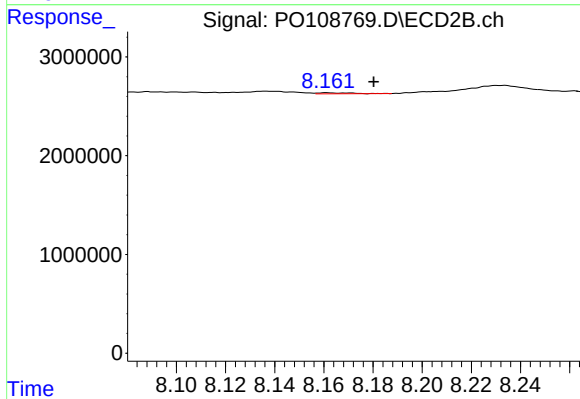
#39 AR-1262-4

R.T.: 7.701 min
Delta R.T.: 0.015 min
Response: 30130
Conc: 0.07 ng/ml



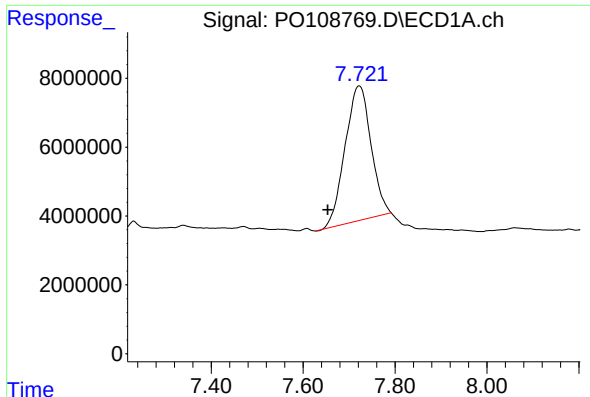
#40 AR-1262-5

R.T.: 0.000 min
Exp R.T. : 8.216 min
Response: 0
Conc: N.D.



#40 AR-1262-5

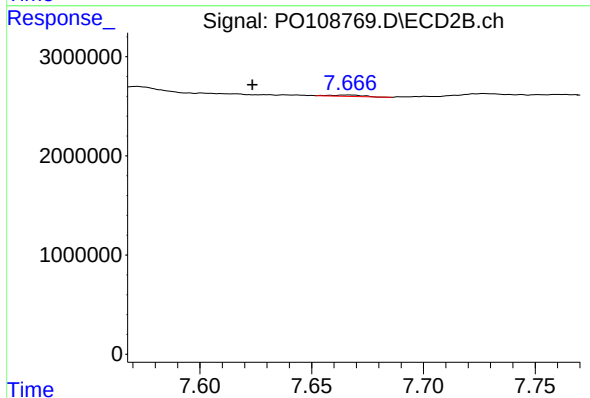
R.T.: 8.161 min
Delta R.T.: -0.019 min
Response: 96909
Conc: 0.52 ng/ml



#41 AR-1268-1

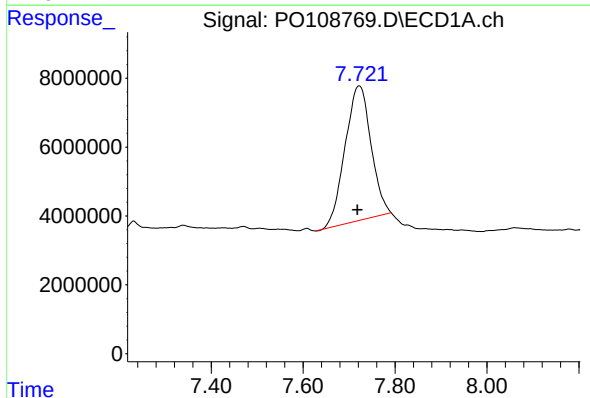
R.T.: 7.722 min
Delta R.T.: 0.069 min
Response: 153201436
Conc: 123.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



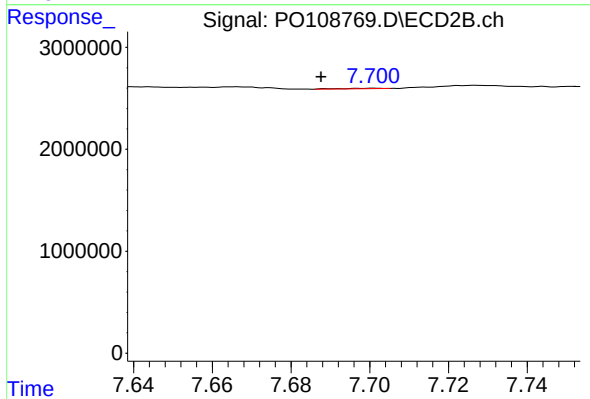
#41 AR-1268-1

R.T.: 7.666 min
Delta R.T.: 0.042 min
Response: 128927
Conc: 0.20 ng/ml



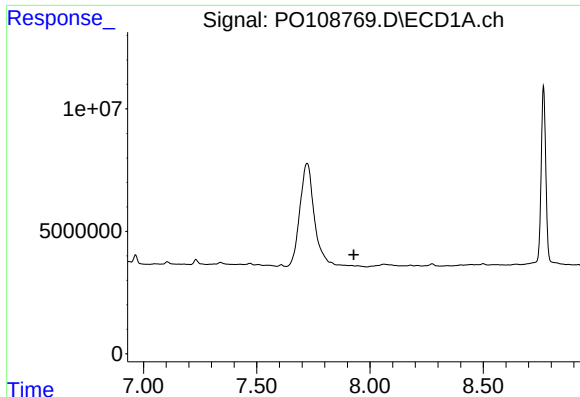
#42 AR-1268-2

R.T.: 7.722 min
Delta R.T.: 0.004 min
Response: 153201436
Conc: 136.58 ng/ml



#42 AR-1268-2

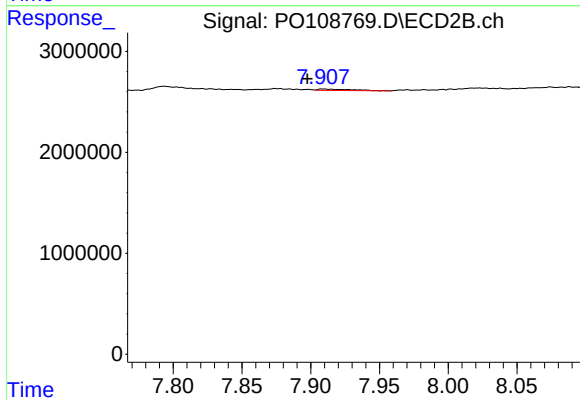
R.T.: 7.701 min
Delta R.T.: 0.014 min
Response: 30130
Conc: 0.05 ng/ml



#43 AR-1268-3

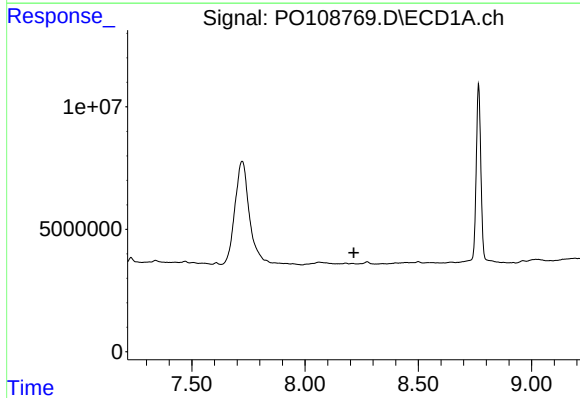
R.T.: 0.000 min
Exp R.T.: 7.929 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



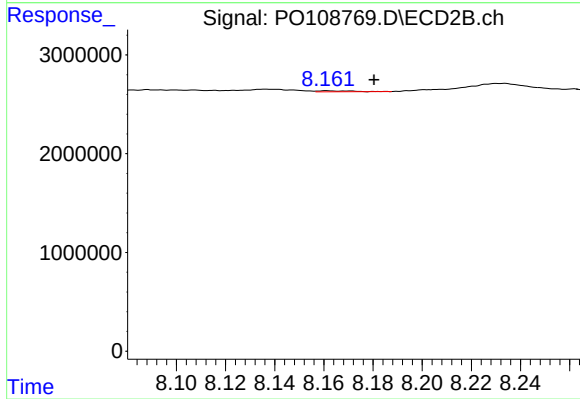
#43 AR-1268-3

R.T.: 7.909 min
Delta R.T.: 0.011 min
Response: 220111
Conc: 0.44 ng/ml



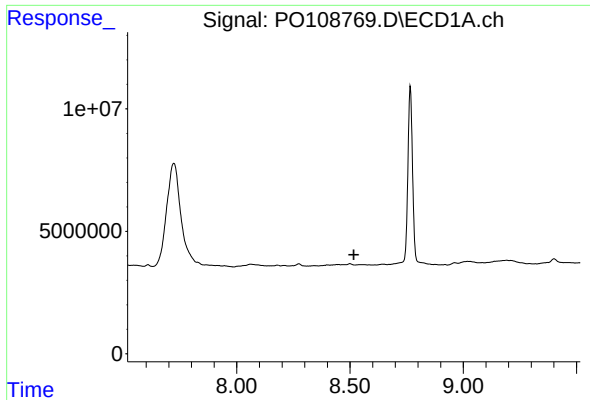
#44 AR-1268-4

R.T.: 0.000 min
Exp R.T.: 8.215 min
Response: 0
Conc: N.D.



#44 AR-1268-4

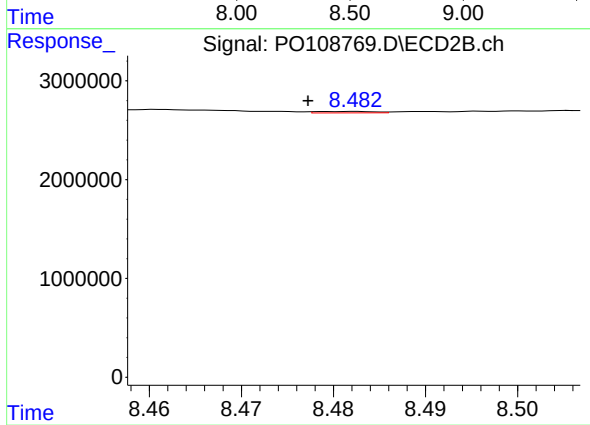
R.T.: 8.161 min
Delta R.T.: -0.019 min
Response: 96909
Conc: 0.48 ng/ml



#45 AR-1268-5

R.T.: 0.000 min
Exp R.T.: 8.517 min
Response: 0
Conc: N.D.

Instrument :
ECD_O
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.004 min
Response: 65439
Conc: 0.04 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0122624\
 Data File : P0108773.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Dec 2024 16:10
 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: Dec 26 20:27:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0120624.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Dec 07 05:58:15 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...	3.703	3.700	486.0E6	272.5E6	55.863	53.753
2)	SA Decachlor...	8.766	8.716	305.4E6	183.2E6	41.816	47.280
Target Compounds							
3)	L1 AR-1016-1	4.819	4.806	223.9E6	119.6E6	725.751	745.206
4)	L1 AR-1016-2	4.819	4.806	223.9E6	119.6E6	536.279	538.453
5)	L1 AR-1016-3	4.875	4.981	182.6E6	66516293	624.016	528.605
6)	L1 AR-1016-4	4.996	5.022	127.9E6	54012709	553.059	515.359
7)	L1 AR-1016-5	5.254	5.236	133.7E6	74283899	531.341	549.392
8)	L2 AR-1221-1	3.916	3.911	17609629	9708103	155.639	156.273
9)	L2 AR-1221-2	4.004	3.998	26543586	14344968	306.083	302.350
10)	L2 AR-1221-3	4.080	4.074	89161292	49532293	350.745	352.325
11)	L3 AR-1232-1	4.080	4.074	89161292	49532293	435.421	442.048
12)	L3 AR-1232-2	4.576	4.806	126.0E6	119.6E6	1101.584	1130.798
13)	L3 AR-1232-3	4.819	4.981	223.9E6	66516293	1133.568	1102.227
14)	L3 AR-1232-4	4.996	5.065	127.9E6	67176344	1179.689	1209.154
15)	L3 AR-1232-5	5.038	5.236	103.0E6	74283899	1314.935	1290.184
16)	L4 AR-1242-1	4.799	4.806	164.3E6	119.6E6	638.563	880.815 #
17)	L4 AR-1242-2	4.819	4.806	223.9E6	119.6E6	648.545	644.816
18)	L4 AR-1242-3	4.875	4.981	182.6E6	66516293	757.039	631.190
19)	L4 AR-1242-4	4.996	5.065	127.9E6	67176344	670.398	625.894
20)	L4 AR-1242-5	5.649	5.588	36953577	71847556	177.943	568.414 #
21)	L5 AR-1248-1	4.799	4.806	164.3E6	119.6E6	820.471	1137.630 #
22)	L5 AR-1248-2	5.038	5.022	103.0E6	54012709	371.585	361.706
23)	L5 AR-1248-3	5.254	5.065	133.7E6	67176344	392.149	424.062
24)	L5 AR-1248-4	5.609	5.236	130.0E6	74283899	272.724	406.923 #
25)	L5 AR-1248-5	5.649	5.629	36953577	20439729	109.133	116.397
26)	L6 AR-1254-1	5.609	5.588	130.0E6	71847556	253.019	265.285
27)	L6 AR-1254-2	5.757	5.735	91883276	52263972	201.738	217.748
28)	L6 AR-1254-3	6.180	6.155	191.8E6	86464555	266.314	230.258
29)	L6 AR-1254-4	6.393	6.366	25302507	12894953	57.661	59.239
30)	L6 AR-1254-5	6.813	6.783	297.6E6	151.8E6	468.637	470.190
31)	L7 AR-1260-1	6.296	6.270	210.7E6	119.0E6	460.941	508.557
32)	L7 AR-1260-2	6.484	6.457	278.1E6	140.7E6	500.474	501.547
33)	L7 AR-1260-3	6.853	6.610	227.1E6	132.0E6	489.769	500.953
34)	L7 AR-1260-4	7.113	7.083	190.7E6	106.8E6	448.454	502.137
35)	L7 AR-1260-5	7.354	7.322	422.1E6	244.8E6	434.304	505.851
36)	L8 AR-1262-1	6.853	6.824	227.1E6	117.6E6	344.923	347.922
37)	L8 AR-1262-2	7.354	7.322	422.1E6	244.8E6	379.680	428.078
38)	L8 AR-1262-3	7.641	7.606	98745678	49702948	226.037	221.466
39)	L8 AR-1262-4	7.702	7.668	288.4E6	171.2E6	357.673	418.002
40)	L8 AR-1262-5	8.201	8.162	104.0E6	60727957	292.957	328.565
41)	L9 AR-1268-1	7.641	7.606	98745678	49702948	79.377	76.949

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108773.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 16:10
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: Dec 26 20:27:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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
42)	L9 AR-1268-2	7.702	7.668	288.4E6	171.2E6	257.111	294.412
43)	L9 AR-1268-3	7.914	7.879	5476885	2958172	6.044	5.930
44)	L9 AR-1268-4	8.201	8.162	104.0E6	60727957	268.752	299.095
45)	L9 AR-1268-5	8.501	8.456	30116386	12286687	10.865	8.275

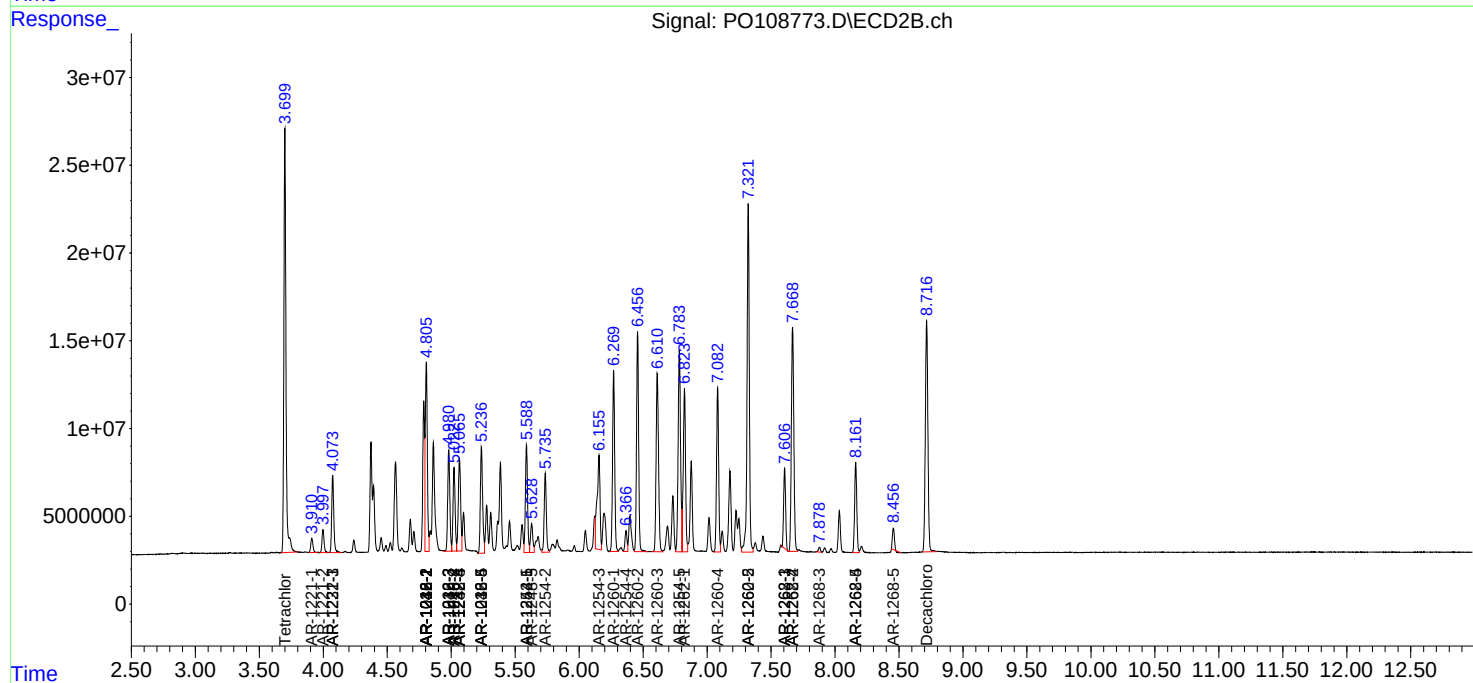
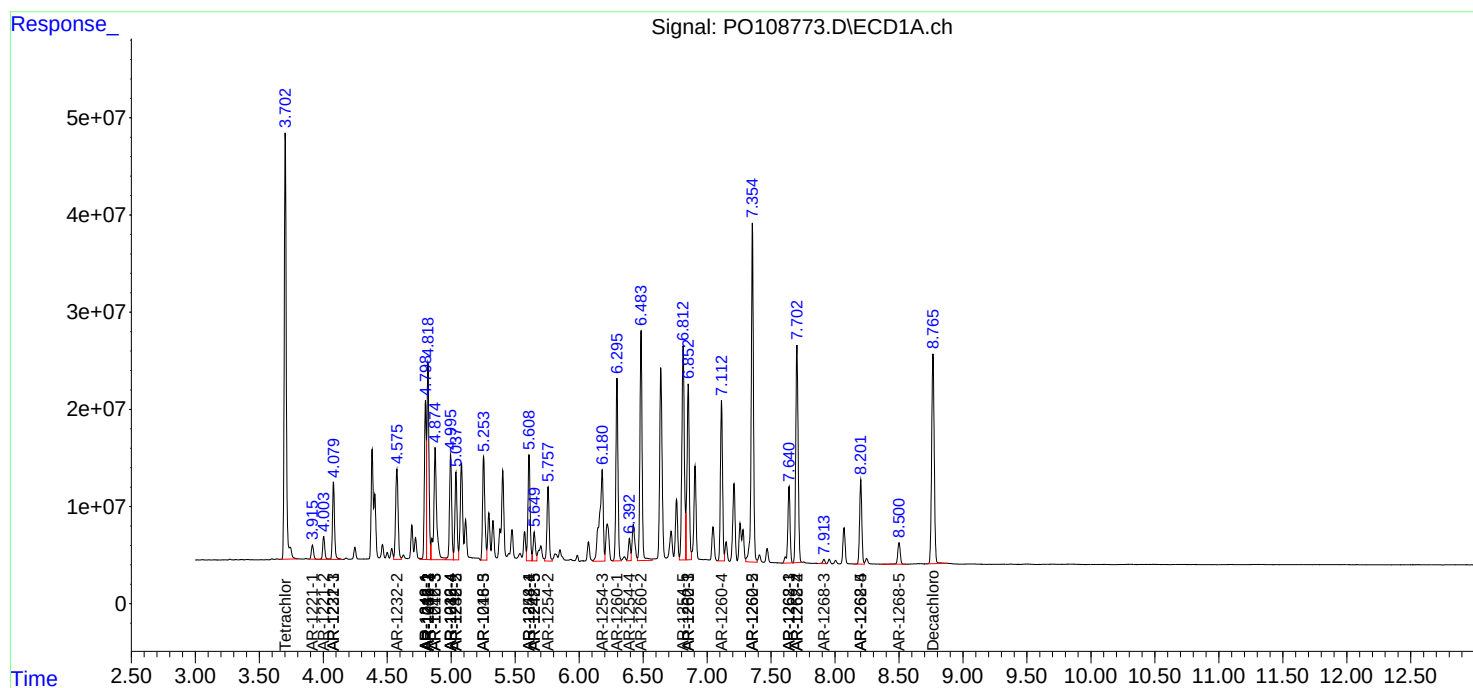
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

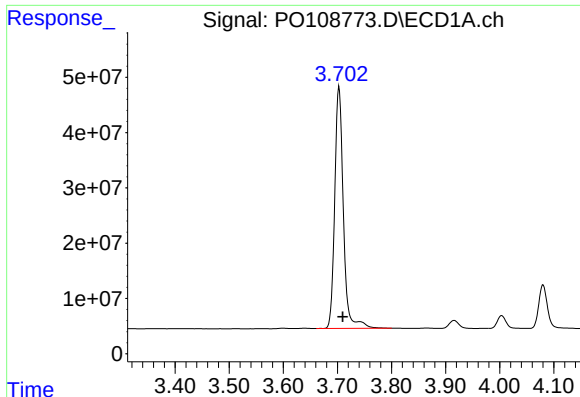
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO122624\
Data File : PO108773.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Dec 2024 16:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 26 20:27:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 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

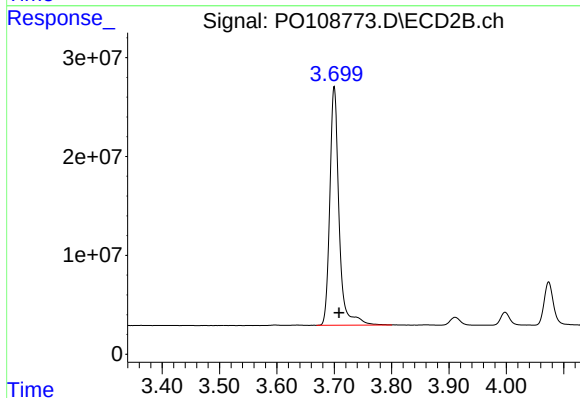




#1 Tetrachloro-m-xylene

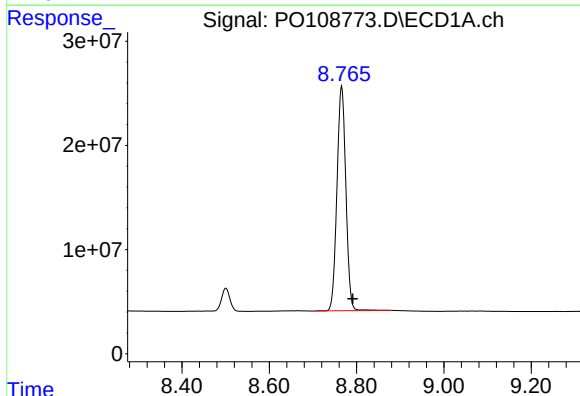
R.T.: 3.703 min
Delta R.T.: -0.007 min
Response: 486018702
Conc: 55.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



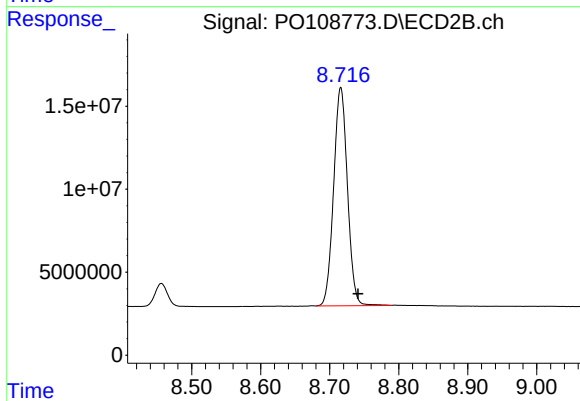
#1 Tetrachloro-m-xylene

R.T.: 3.700 min
Delta R.T.: -0.009 min
Response: 272492556
Conc: 53.75 ng/ml



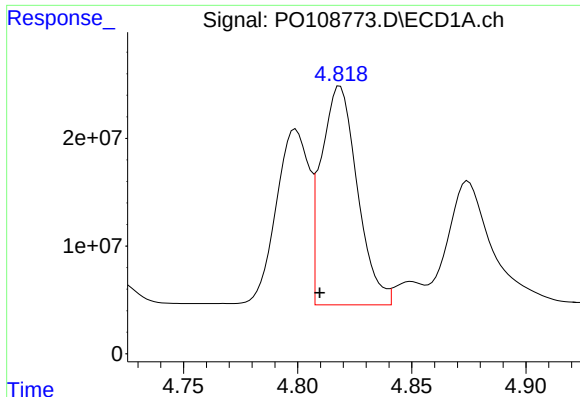
#2 Decachlorobiphenyl

R.T.: 8.766 min
Delta R.T.: -0.025 min
Response: 305426804
Conc: 41.82 ng/ml



#2 Decachlorobiphenyl

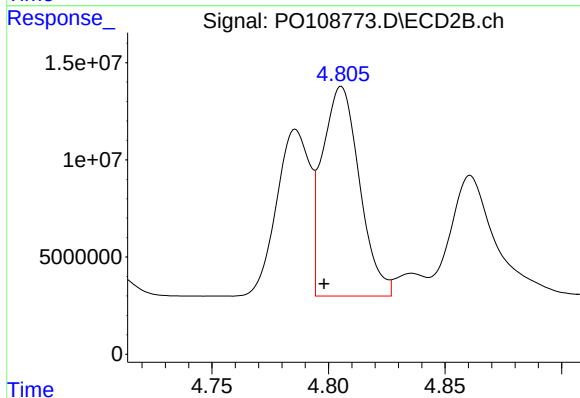
R.T.: 8.716 min
Delta R.T.: -0.025 min
Response: 183206519
Conc: 47.28 ng/ml



#3 AR-1016-1

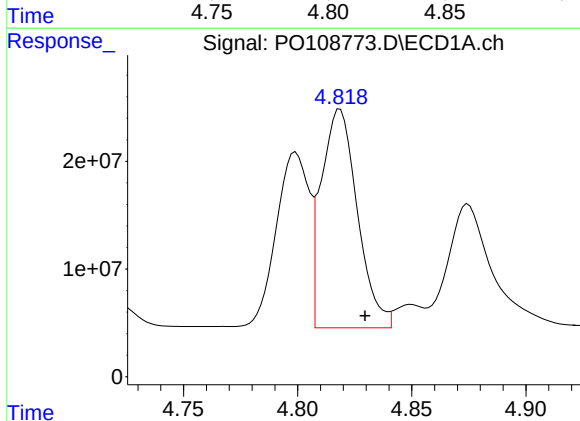
R.T.: 4.819 min
Delta R.T.: 0.009 min
Response: 223852969
Conc: 725.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



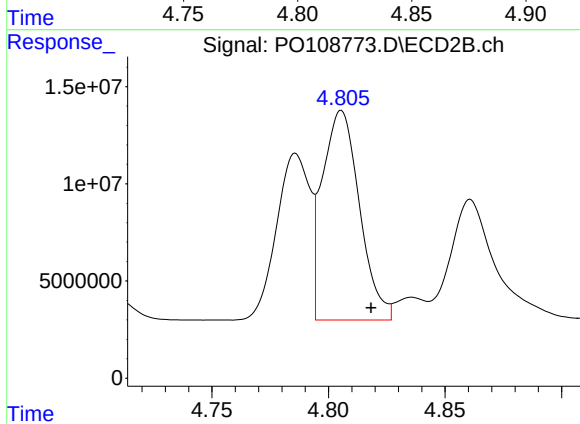
#3 AR-1016-1

R.T.: 4.806 min
Delta R.T.: 0.007 min
Response: 119586462
Conc: 745.21 ng/ml



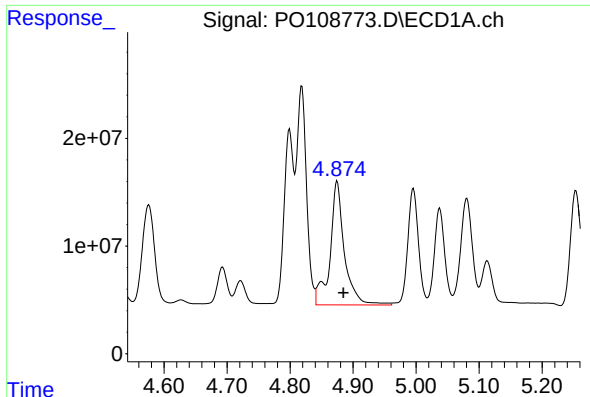
#4 AR-1016-2

R.T.: 4.819 min
Delta R.T.: -0.011 min
Response: 223852969
Conc: 536.28 ng/ml



#4 AR-1016-2

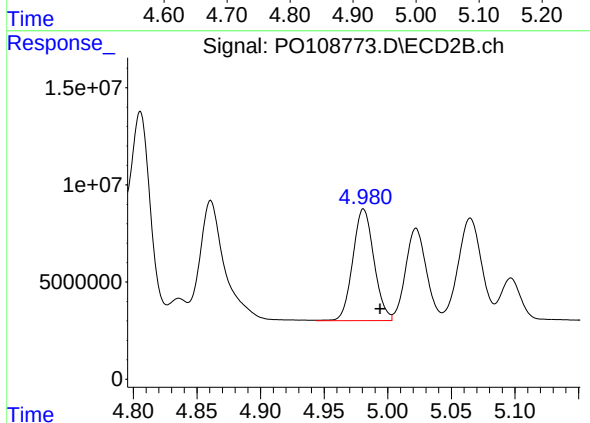
R.T.: 4.806 min
Delta R.T.: -0.013 min
Response: 119586462
Conc: 538.45 ng/ml



#5 AR-1016-3

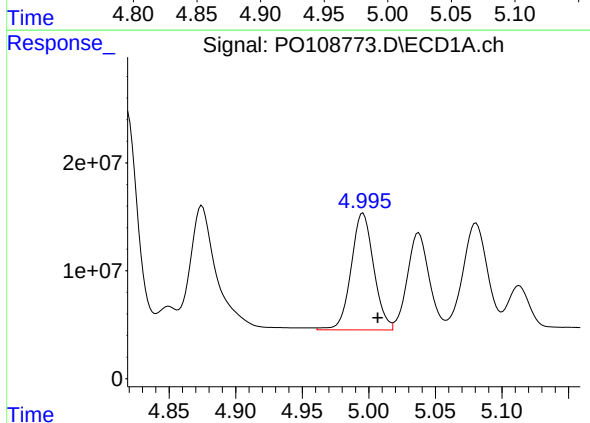
R.T.: 4.875 min
Delta R.T.: -0.010 min
Response: 182606604
Conc: 624.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



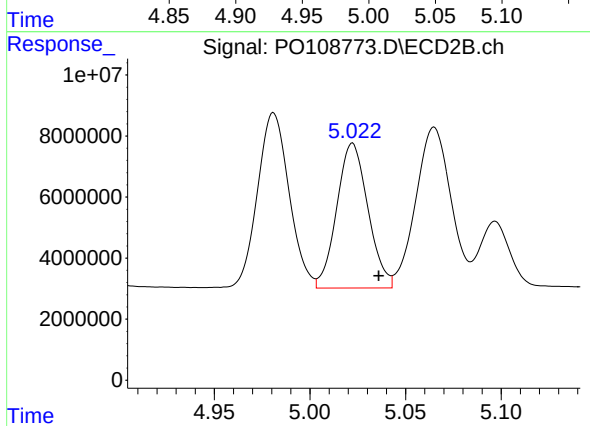
#5 AR-1016-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 66516293
Conc: 528.61 ng/ml



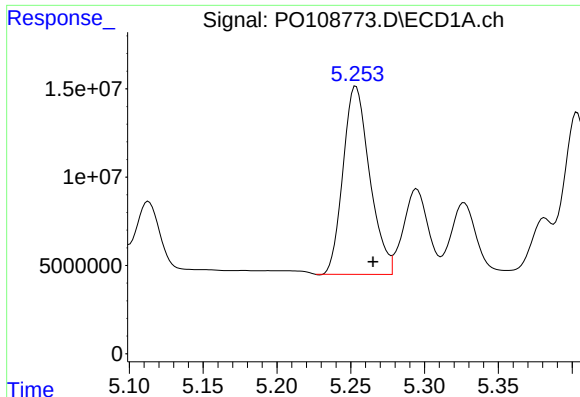
#6 AR-1016-4

R.T.: 4.996 min
Delta R.T.: -0.011 min
Response: 127854425
Conc: 553.06 ng/ml



#6 AR-1016-4

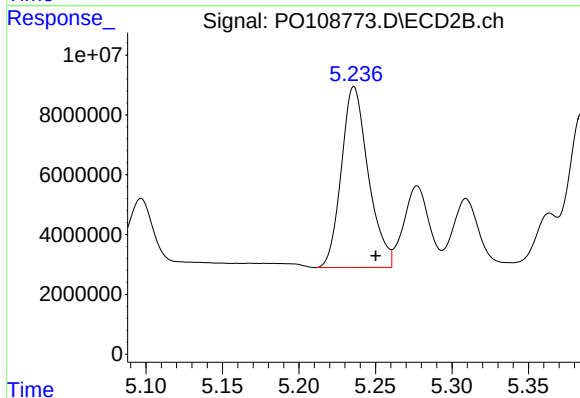
R.T.: 5.022 min
Delta R.T.: -0.014 min
Response: 54012709
Conc: 515.36 ng/ml



#7 AR-1016-5

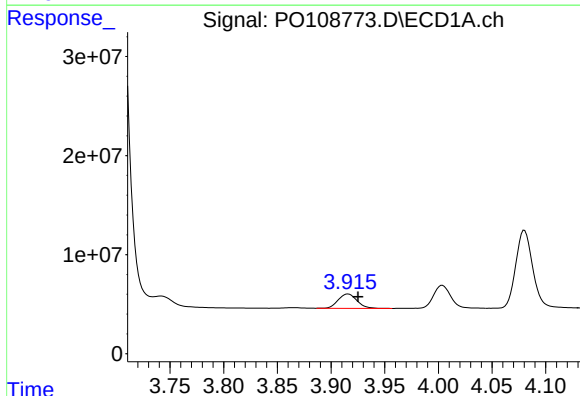
R.T.: 5.254 min
Delta R.T.: -0.011 min
Response: 133722616
Conc: 531.34 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



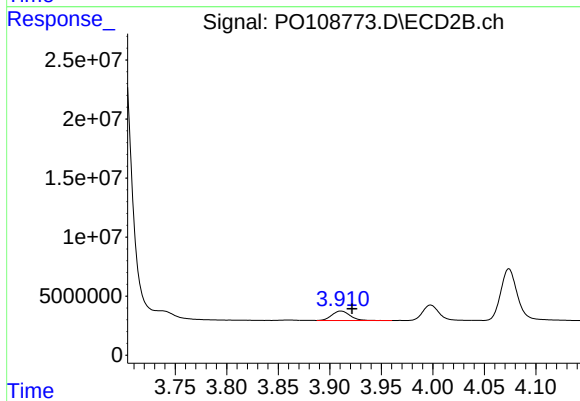
#7 AR-1016-5

R.T.: 5.236 min
Delta R.T.: -0.014 min
Response: 74283899
Conc: 549.39 ng/ml



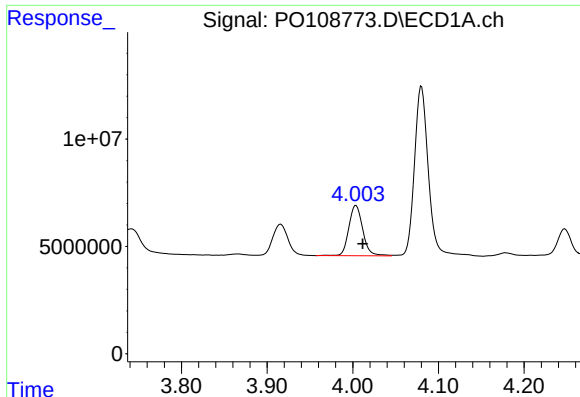
#8 AR-1221-1

R.T.: 3.916 min
Delta R.T.: -0.009 min
Response: 17609629
Conc: 155.64 ng/ml



#8 AR-1221-1

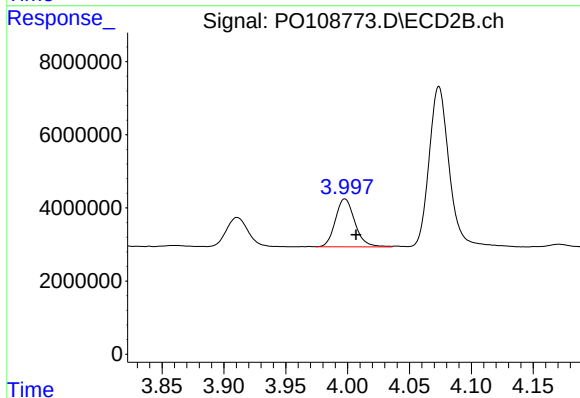
R.T.: 3.911 min
Delta R.T.: -0.011 min
Response: 9708103
Conc: 156.27 ng/ml



#9 AR-1221-2

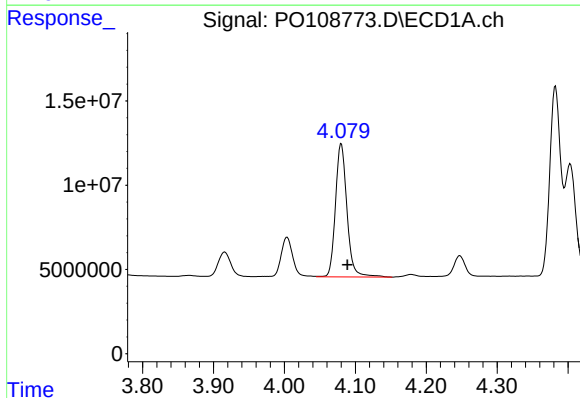
R.T.: 4.004 min
Delta R.T.: -0.008 min
Response: 26543586
Conc: 306.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



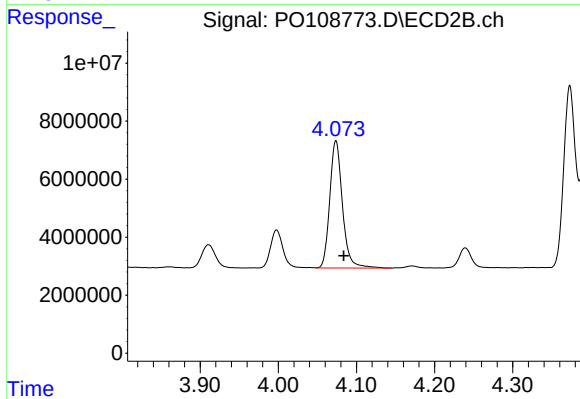
#9 AR-1221-2

R.T.: 3.998 min
Delta R.T.: -0.009 min
Response: 14344968
Conc: 302.35 ng/ml



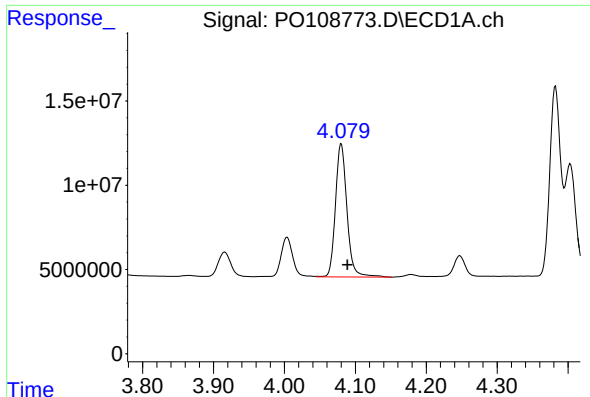
#10 AR-1221-3

R.T.: 4.080 min
Delta R.T.: -0.009 min
Response: 89161292
Conc: 350.74 ng/ml



#10 AR-1221-3

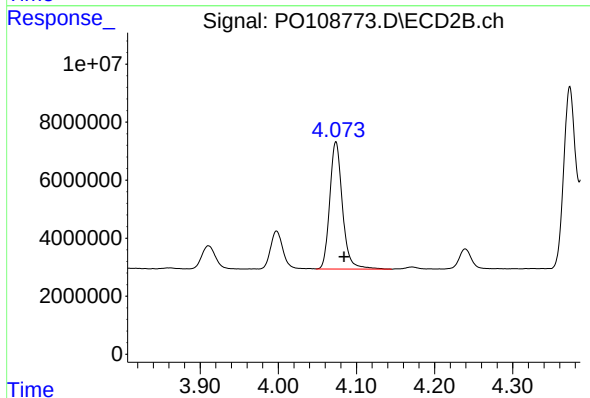
R.T.: 4.074 min
Delta R.T.: -0.010 min
Response: 49532293
Conc: 352.33 ng/ml



#11 AR-1232-1

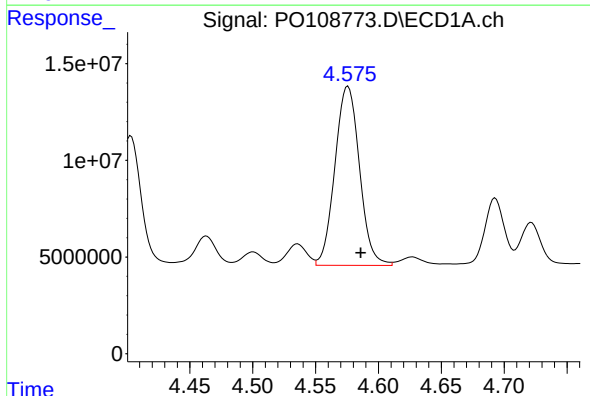
R.T.: 4.080 min
Delta R.T.: -0.009 min
Response: 89161292
Conc: 435.42 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



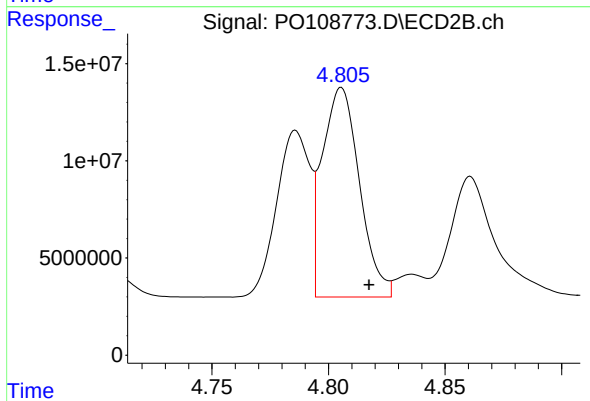
#11 AR-1232-1

R.T.: 4.074 min
Delta R.T.: -0.010 min
Response: 49532293
Conc: 442.05 ng/ml



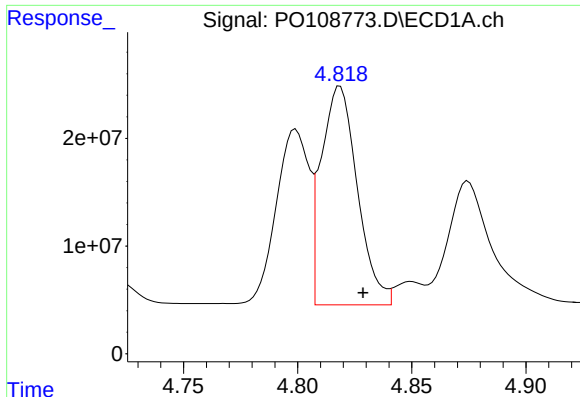
#12 AR-1232-2

R.T.: 4.576 min
Delta R.T.: -0.010 min
Response: 125969961
Conc: 1101.58 ng/ml



#12 AR-1232-2

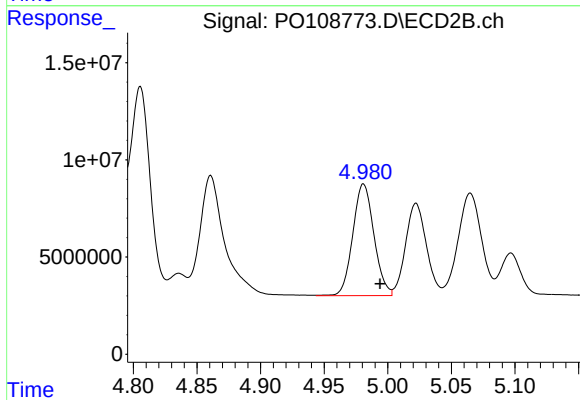
R.T.: 4.806 min
Delta R.T.: -0.012 min
Response: 119586462
Conc: 1130.80 ng/ml



#13 AR-1232-3

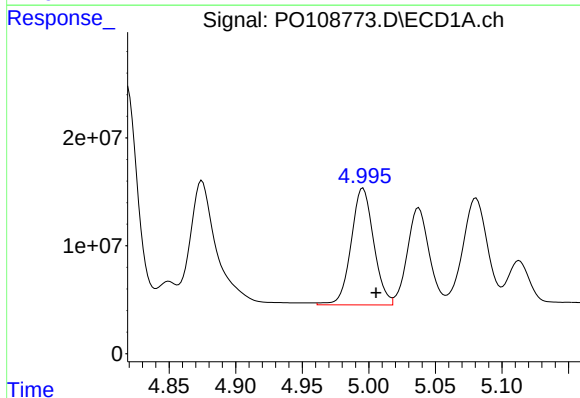
R.T.: 4.819 min
Delta R.T.: -0.010 min
Response: 223852969
Conc: 1133.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



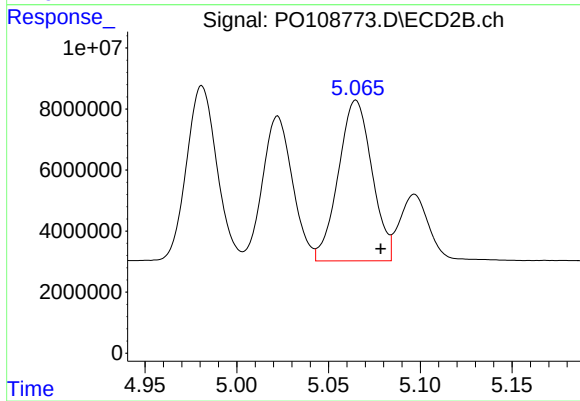
#13 AR-1232-3

R.T.: 4.981 min
Delta R.T.: -0.013 min
Response: 66516293
Conc: 1102.23 ng/ml



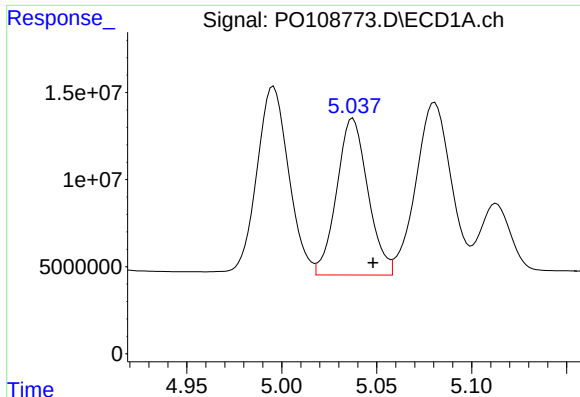
#14 AR-1232-4

R.T.: 4.996 min
Delta R.T.: -0.010 min
Response: 127854425
Conc: 1179.69 ng/ml



#14 AR-1232-4

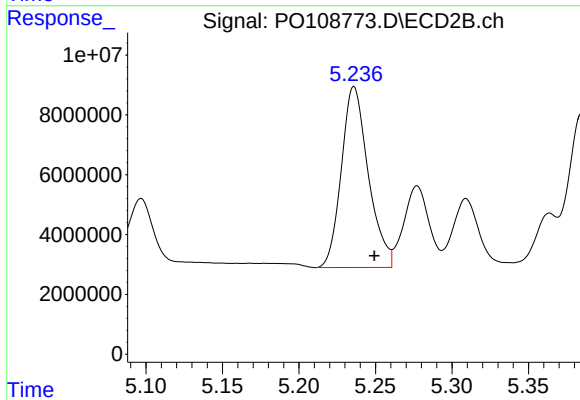
R.T.: 5.065 min
Delta R.T.: -0.013 min
Response: 67176344
Conc: 1209.15 ng/ml



#15 AR-1232-5

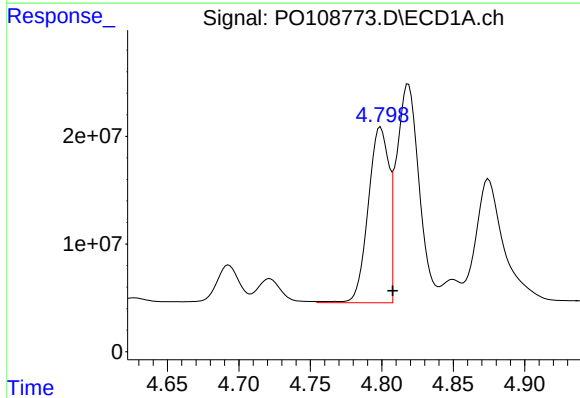
R.T.: 5.038 min
Delta R.T.: -0.011 min
Response: 102998102
Conc: 1314.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



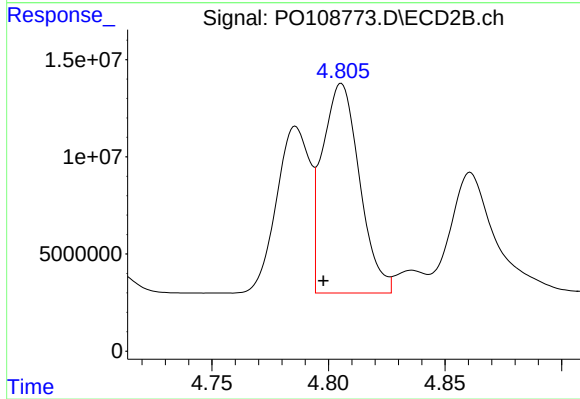
#15 AR-1232-5

R.T.: 5.236 min
Delta R.T.: -0.013 min
Response: 74283899
Conc: 1290.18 ng/ml



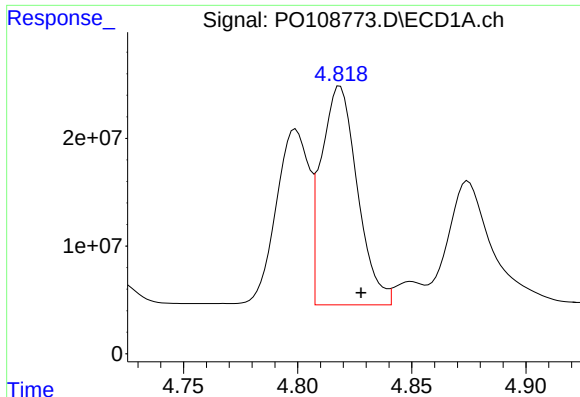
#16 AR-1242-1

R.T.: 4.799 min
Delta R.T.: -0.008 min
Response: 164318203
Conc: 638.56 ng/ml



#16 AR-1242-1

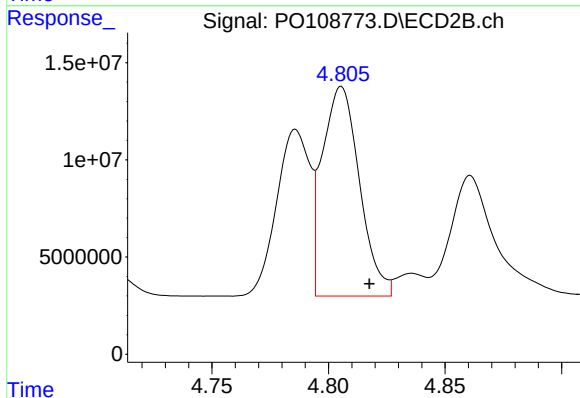
R.T.: 4.806 min
Delta R.T.: 0.008 min
Response: 119586462
Conc: 880.82 ng/ml



#17 AR-1242-2

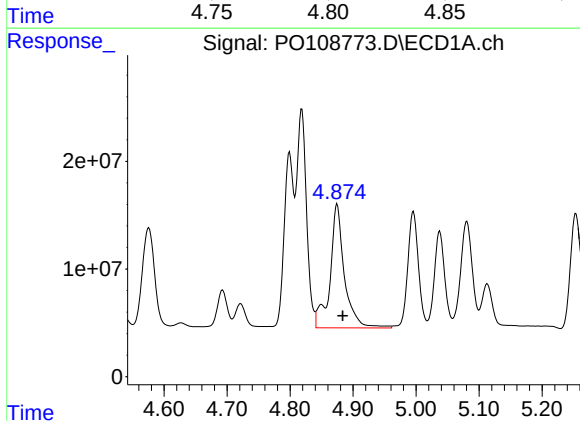
R.T.: 4.819 min
Delta R.T.: -0.009 min
Response: 223852969
Conc: 648.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



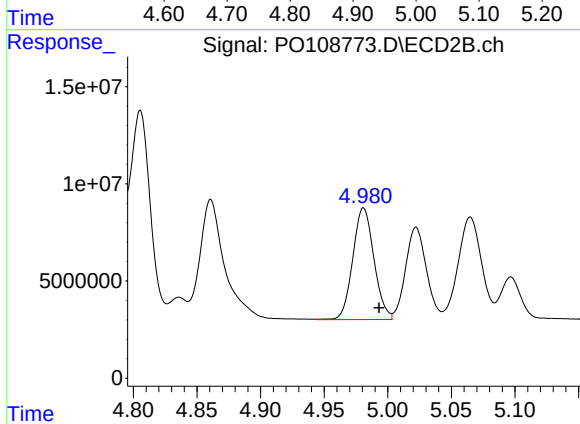
#17 AR-1242-2

R.T.: 4.806 min
Delta R.T.: -0.012 min
Response: 119586462
Conc: 644.82 ng/ml



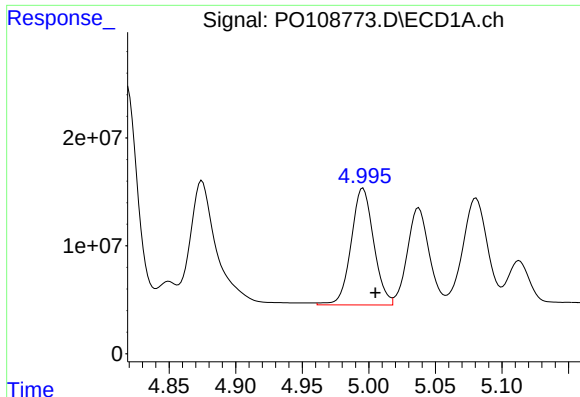
#18 AR-1242-3

R.T.: 4.875 min
Delta R.T.: -0.009 min
Response: 182606604
Conc: 757.04 ng/ml



#18 AR-1242-3

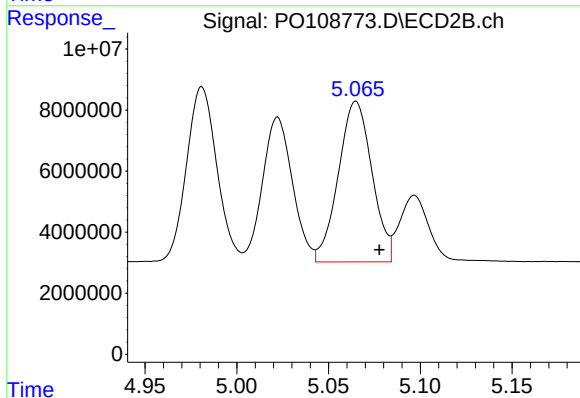
R.T.: 4.981 min
Delta R.T.: -0.012 min
Response: 66516293
Conc: 631.19 ng/ml



#19 AR-1242-4

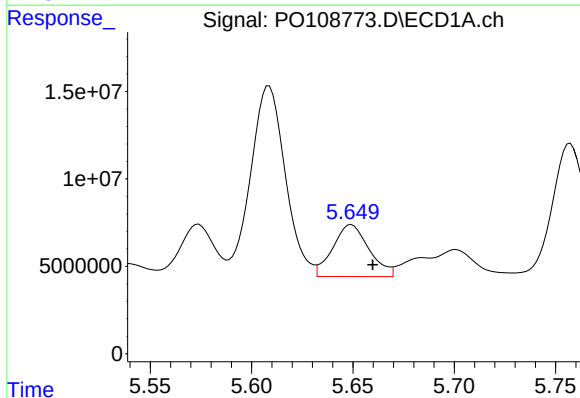
R.T.: 4.996 min
Delta R.T.: -0.009 min
Response: 127854425
Conc: 670.40 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



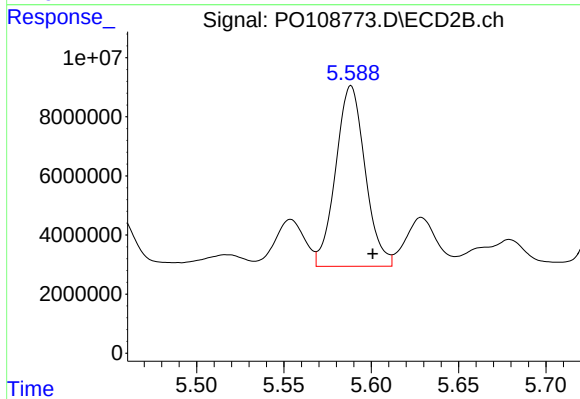
#19 AR-1242-4

R.T.: 5.065 min
Delta R.T.: -0.013 min
Response: 67176344
Conc: 625.89 ng/ml



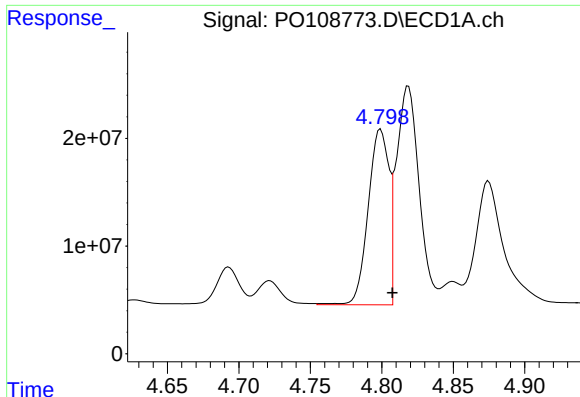
#20 AR-1242-5

R.T.: 5.649 min
Delta R.T.: -0.010 min
Response: 36953577
Conc: 177.94 ng/ml



#20 AR-1242-5

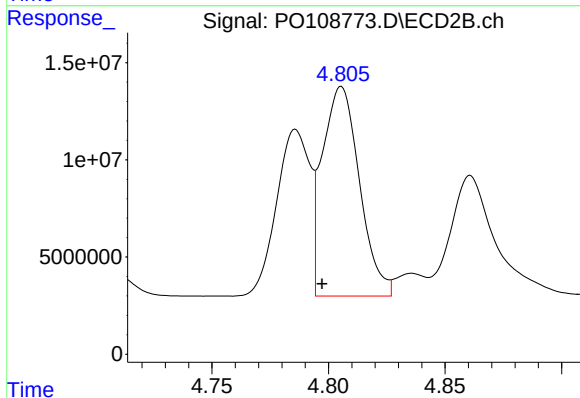
R.T.: 5.588 min
Delta R.T.: -0.012 min
Response: 71847556
Conc: 568.41 ng/ml



#21 AR-1248-1

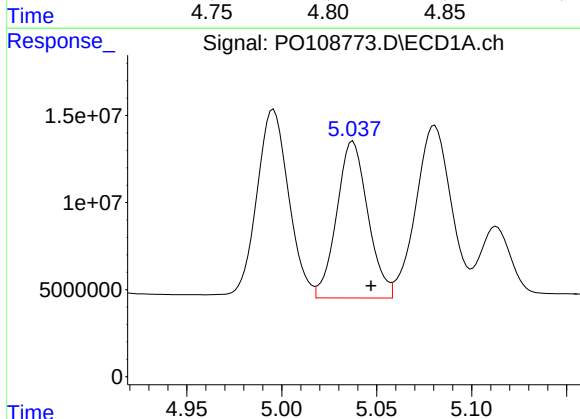
R.T.: 4.799 min
Delta R.T.: -0.008 min
Response: 164318203
Conc: 820.47 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



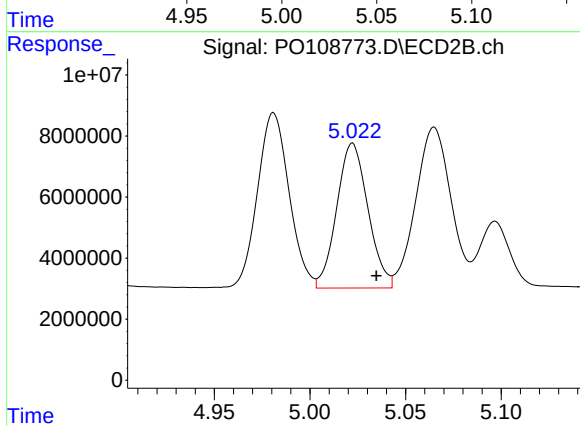
#21 AR-1248-1

R.T.: 4.806 min
Delta R.T.: 0.008 min
Response: 119586462
Conc: 1137.63 ng/ml



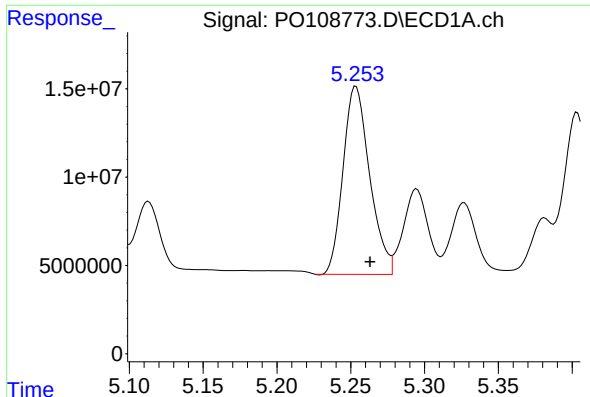
#22 AR-1248-2

R.T.: 5.038 min
Delta R.T.: -0.009 min
Response: 102998102
Conc: 371.59 ng/ml



#22 AR-1248-2

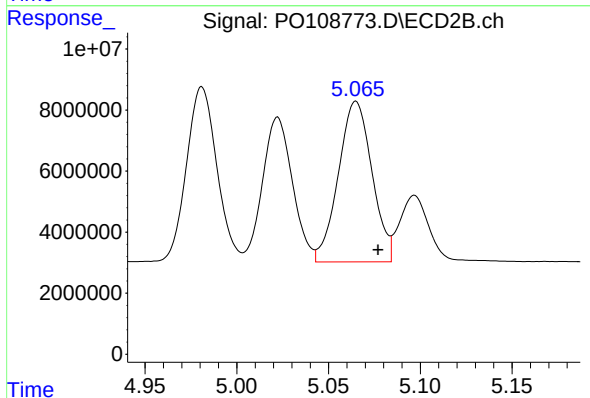
R.T.: 5.022 min
Delta R.T.: -0.013 min
Response: 54012709
Conc: 361.71 ng/ml



#23 AR-1248-3

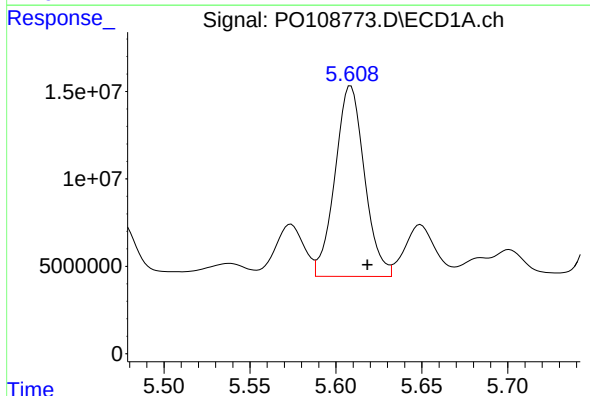
R.T.: 5.254 min
Delta R.T.: -0.009 min
Response: 133722616
Conc: 392.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



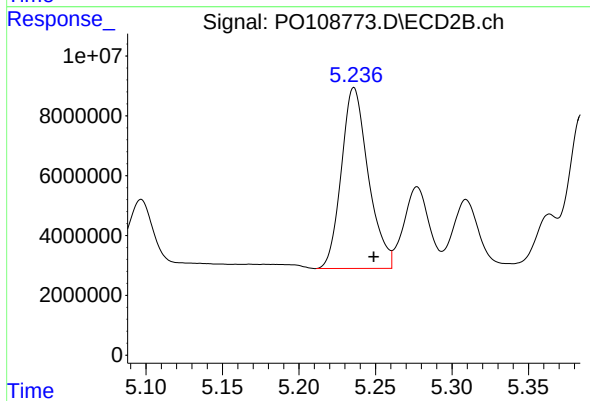
#23 AR-1248-3

R.T.: 5.065 min
Delta R.T.: -0.012 min
Response: 67176344
Conc: 424.06 ng/ml



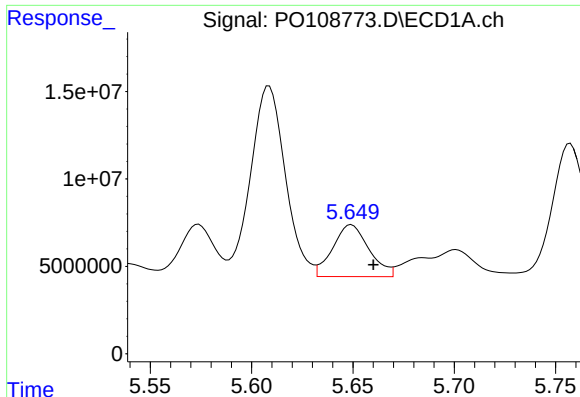
#24 AR-1248-4

R.T.: 5.609 min
Delta R.T.: -0.010 min
Response: 129960576
Conc: 272.72 ng/ml



#24 AR-1248-4

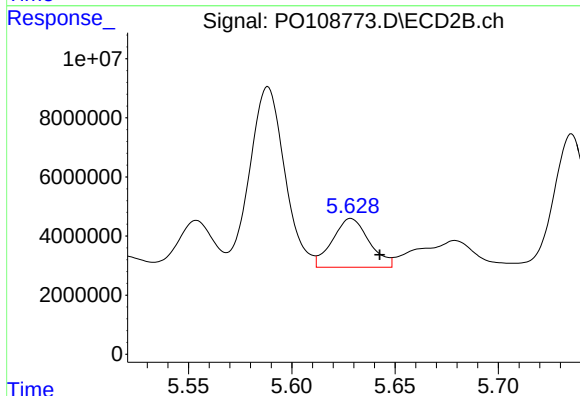
R.T.: 5.236 min
Delta R.T.: -0.013 min
Response: 74283899
Conc: 406.92 ng/ml



#25 AR-1248-5

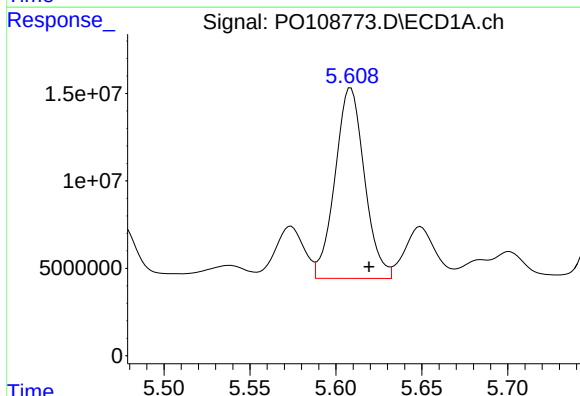
R.T.: 5.649 min
Delta R.T.: -0.011 min
Response: 36953577
Conc: 109.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



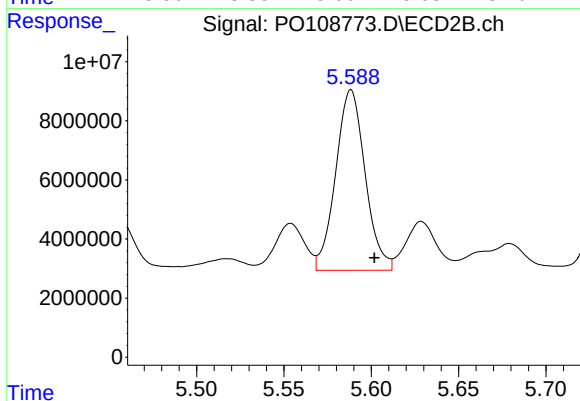
#25 AR-1248-5

R.T.: 5.629 min
Delta R.T.: -0.014 min
Response: 20439729
Conc: 116.40 ng/ml



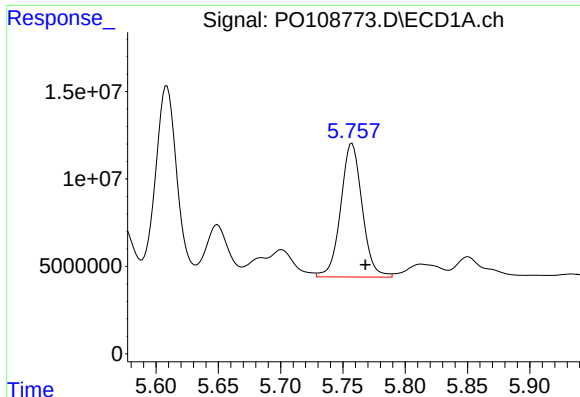
#26 AR-1254-1

R.T.: 5.609 min
Delta R.T.: -0.011 min
Response: 129960576
Conc: 253.02 ng/ml



#26 AR-1254-1

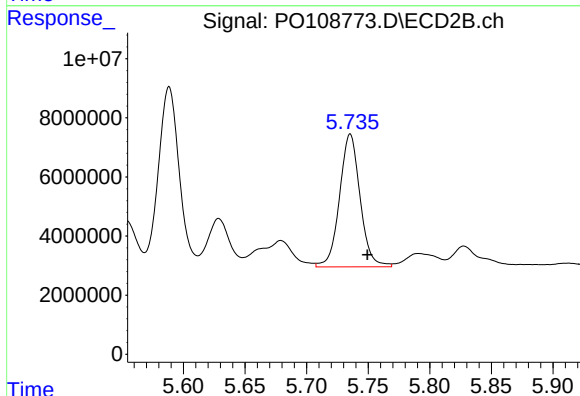
R.T.: 5.588 min
Delta R.T.: -0.013 min
Response: 71847556
Conc: 265.28 ng/ml



#27 AR-1254-2

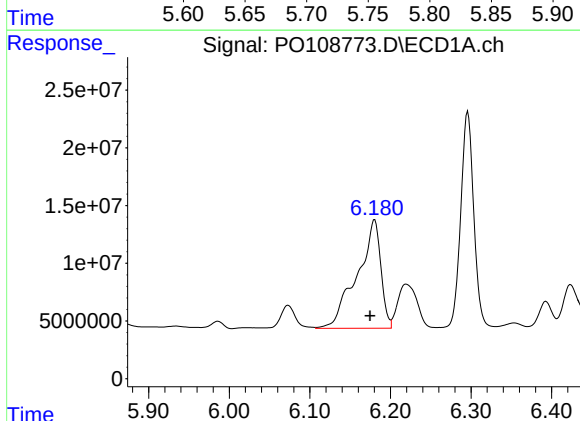
R.T.: 5.757 min
Delta R.T.: -0.011 min
Response: 91883276
Conc: 201.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



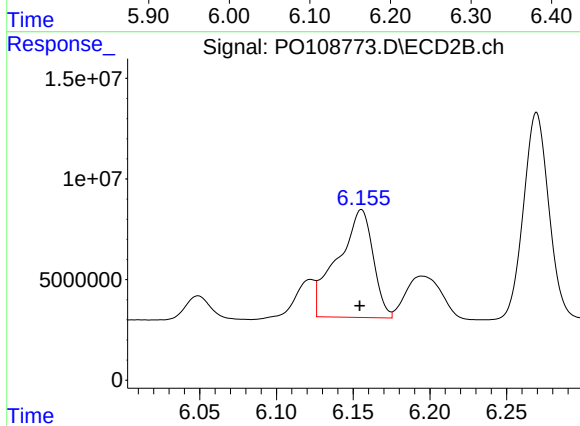
#27 AR-1254-2

R.T.: 5.735 min
Delta R.T.: -0.014 min
Response: 52263972
Conc: 217.75 ng/ml



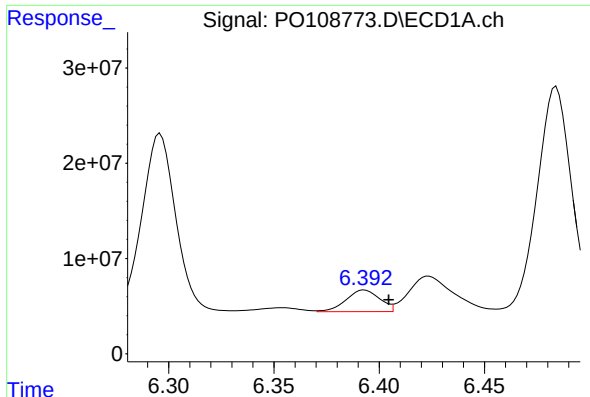
#28 AR-1254-3

R.T.: 6.180 min
Delta R.T.: 0.005 min
Response: 191780383
Conc: 266.31 ng/ml



#28 AR-1254-3

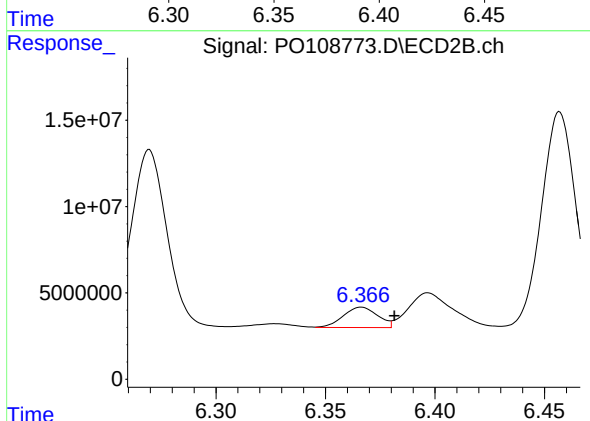
R.T.: 6.155 min
Delta R.T.: 0.001 min
Response: 86464555
Conc: 230.26 ng/ml



#29 AR-1254-4

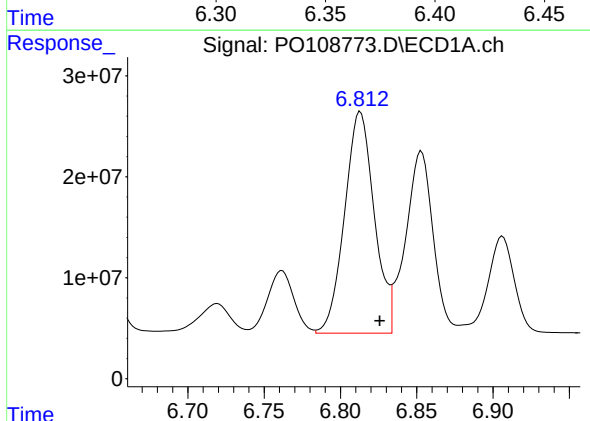
R.T.: 6.393 min
Delta R.T.: -0.011 min
Response: 25302507
Conc: 57.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



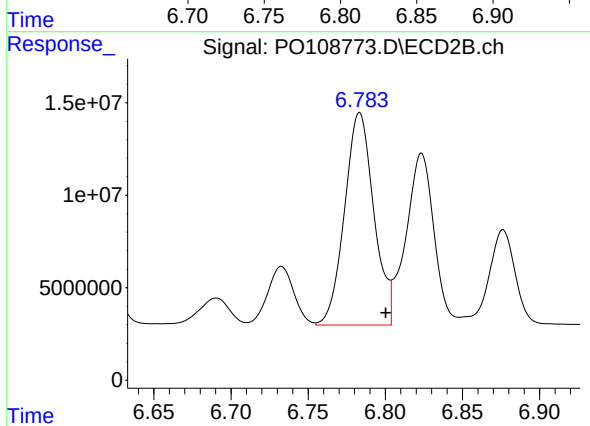
#29 AR-1254-4

R.T.: 6.366 min
Delta R.T.: -0.015 min
Response: 12894953
Conc: 59.24 ng/ml



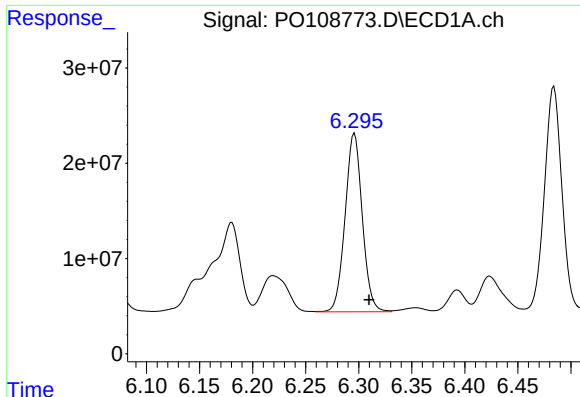
#30 AR-1254-5

R.T.: 6.813 min
Delta R.T.: -0.013 min
Response: 297641853
Conc: 468.64 ng/ml



#30 AR-1254-5

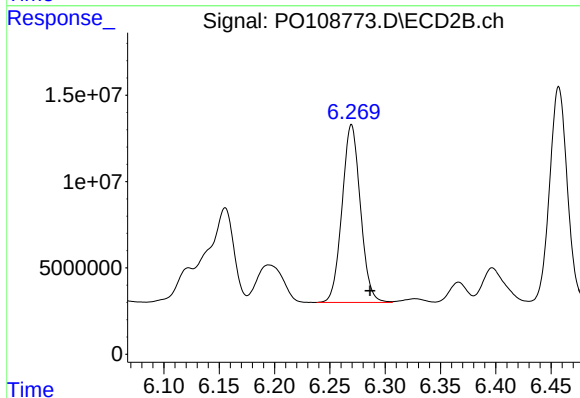
R.T.: 6.783 min
Delta R.T.: -0.017 min
Response: 151758446
Conc: 470.19 ng/ml



#31 AR-1260-1

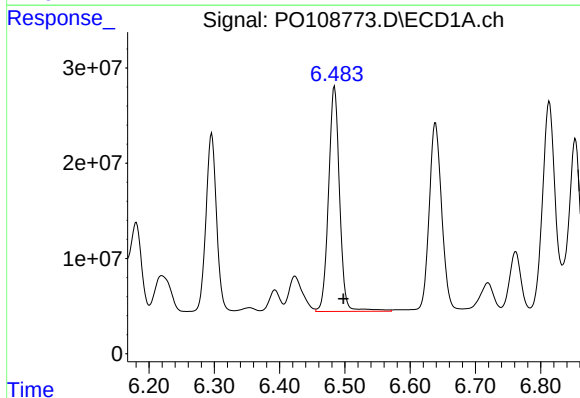
R.T.: 6.296 min
Delta R.T.: -0.014 min
Response: 210716959
Conc: 460.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



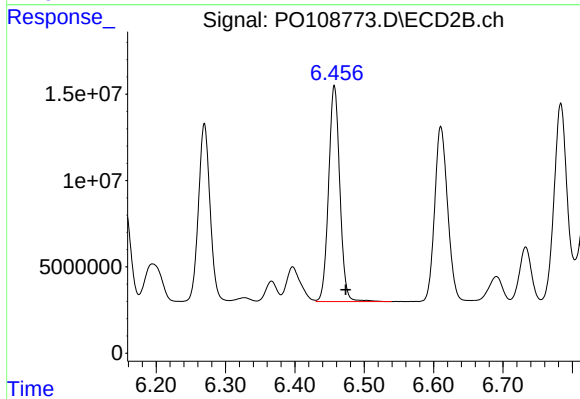
#31 AR-1260-1

R.T.: 6.270 min
Delta R.T.: -0.017 min
Response: 119020461
Conc: 508.56 ng/ml



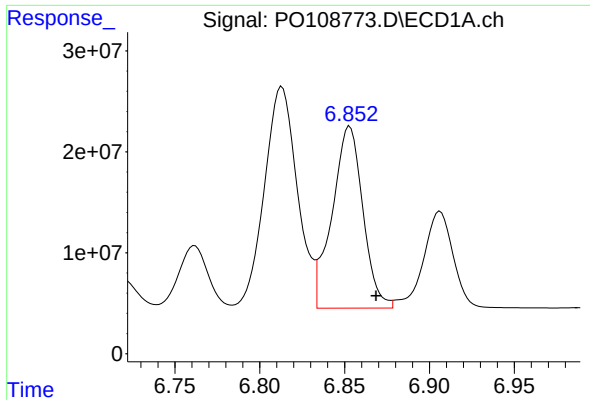
#32 AR-1260-2

R.T.: 6.484 min
Delta R.T.: -0.014 min
Response: 278123133
Conc: 500.47 ng/ml



#32 AR-1260-2

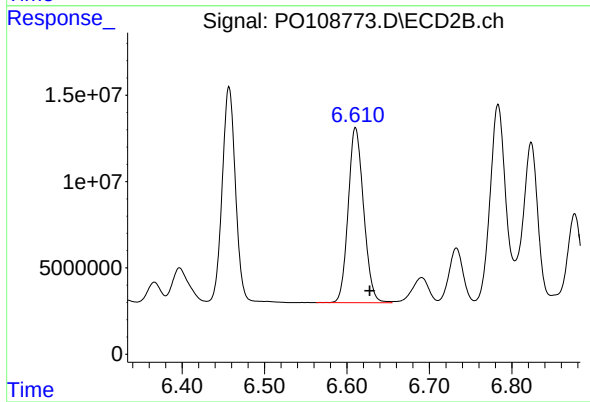
R.T.: 6.457 min
Delta R.T.: -0.017 min
Response: 140717766
Conc: 501.55 ng/ml



#33 AR-1260-3

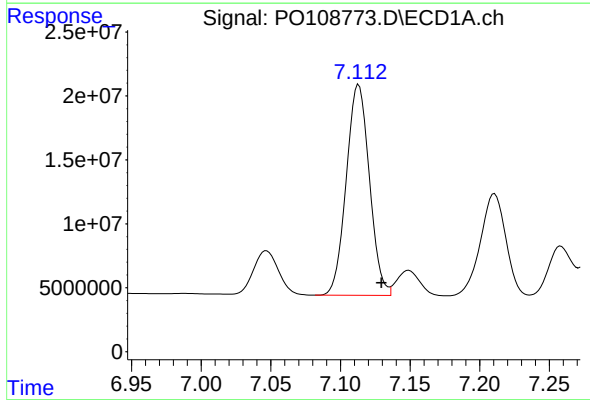
R.T.: 6.853 min
Delta R.T.: -0.016 min
Response: 227095428
Conc: 489.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



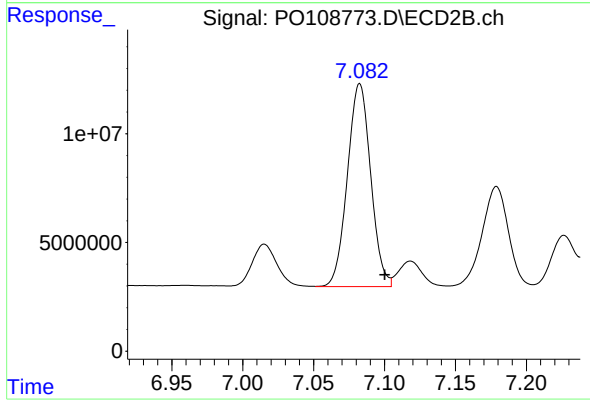
#33 AR-1260-3

R.T.: 6.610 min
Delta R.T.: -0.017 min
Response: 132035412
Conc: 500.95 ng/ml



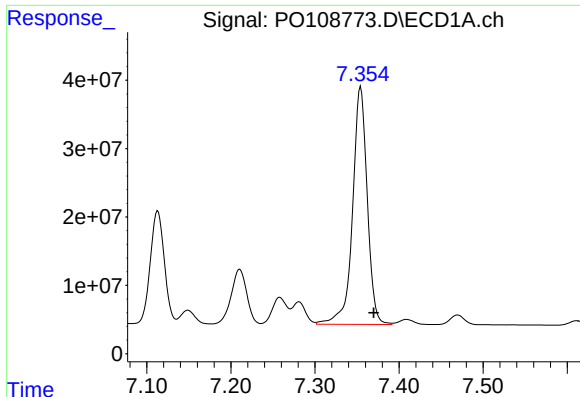
#34 AR-1260-4

R.T.: 7.113 min
Delta R.T.: -0.016 min
Response: 190745464
Conc: 448.45 ng/ml



#34 AR-1260-4

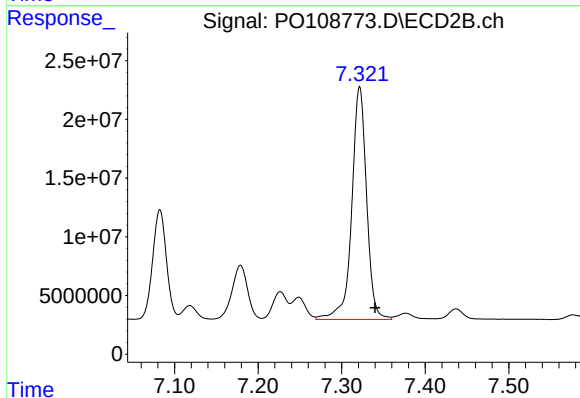
R.T.: 7.083 min
Delta R.T.: -0.018 min
Response: 106829715
Conc: 502.14 ng/ml



#35 AR-1260-5

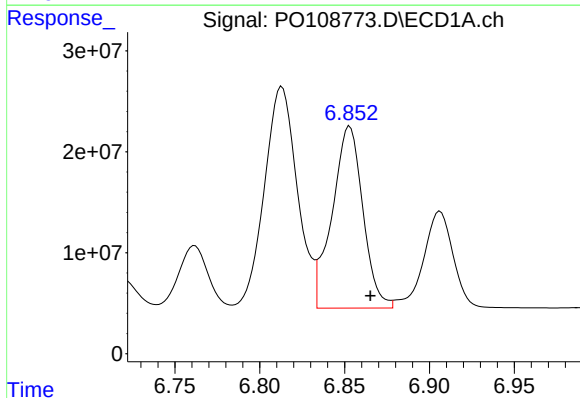
R.T.: 7.354 min
Delta R.T.: -0.016 min
Response: 422092155
Conc: 434.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



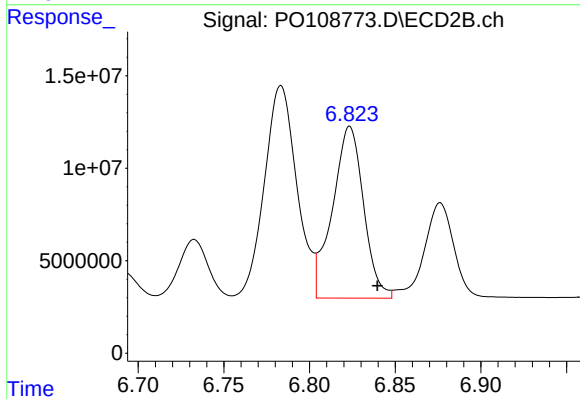
#35 AR-1260-5

R.T.: 7.322 min
Delta R.T.: -0.018 min
Response: 244798318
Conc: 505.85 ng/ml



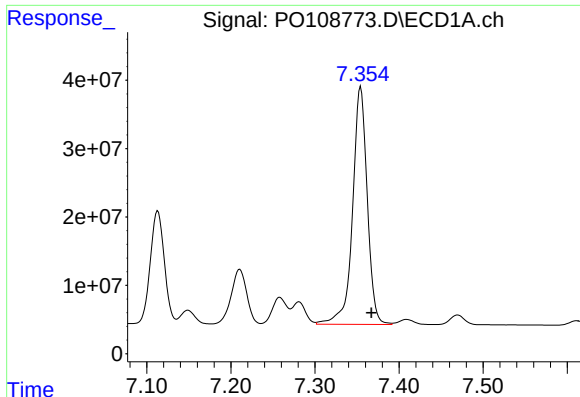
#36 AR-1262-1

R.T.: 6.853 min
Delta R.T.: -0.012 min
Response: 227095428
Conc: 344.92 ng/ml



#36 AR-1262-1

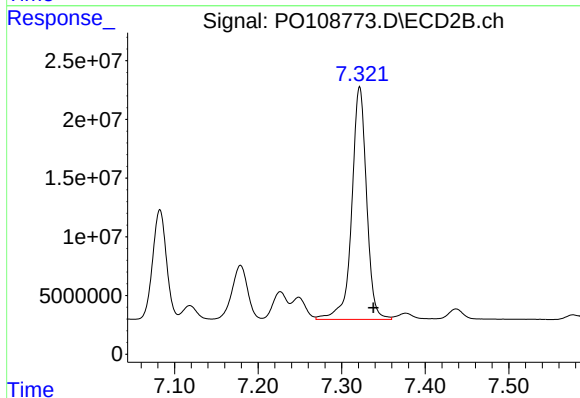
R.T.: 6.824 min
Delta R.T.: -0.016 min
Response: 117588703
Conc: 347.92 ng/ml



#37 AR-1262-2

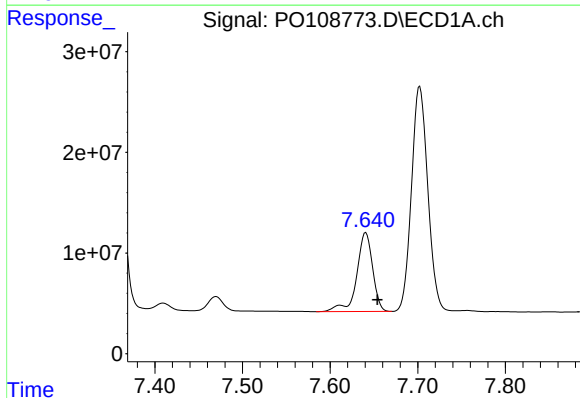
R.T.: 7.354 min
Delta R.T.: -0.013 min
Response: 422092155
Conc: 379.68 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



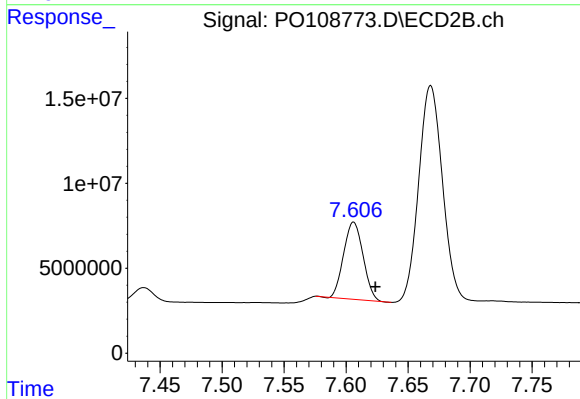
#37 AR-1262-2

R.T.: 7.322 min
Delta R.T.: -0.017 min
Response: 244798318
Conc: 428.08 ng/ml



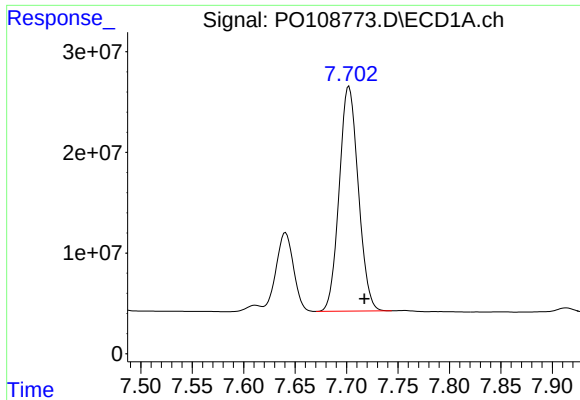
#38 AR-1262-3

R.T.: 7.641 min
Delta R.T.: -0.013 min
Response: 98745678
Conc: 226.04 ng/ml



#38 AR-1262-3

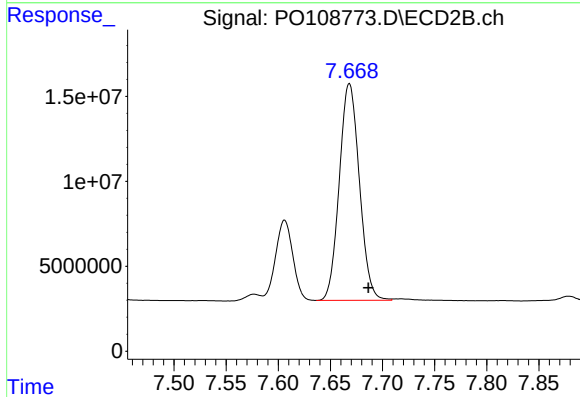
R.T.: 7.606 min
Delta R.T.: -0.018 min
Response: 49702948
Conc: 221.47 ng/ml



#39 AR-1262-4

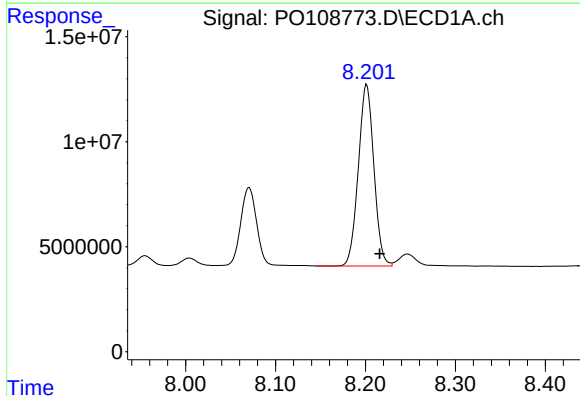
R.T.: 7.702 min
Delta R.T.: -0.015 min
Response: 288391321
Conc: 357.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



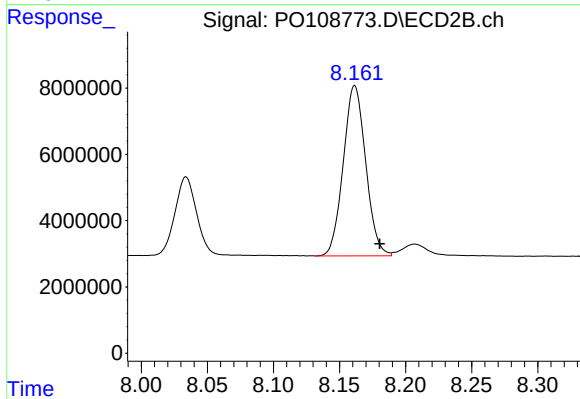
#39 AR-1262-4

R.T.: 7.668 min
Delta R.T.: -0.018 min
Response: 171208514
Conc: 418.00 ng/ml



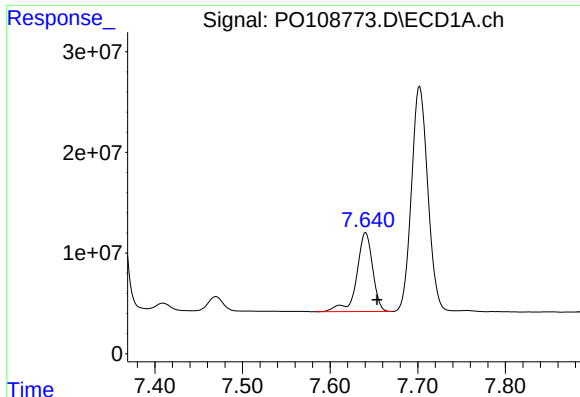
#40 AR-1262-5

R.T.: 8.201 min
Delta R.T.: -0.014 min
Response: 103980844
Conc: 292.96 ng/ml



#40 AR-1262-5

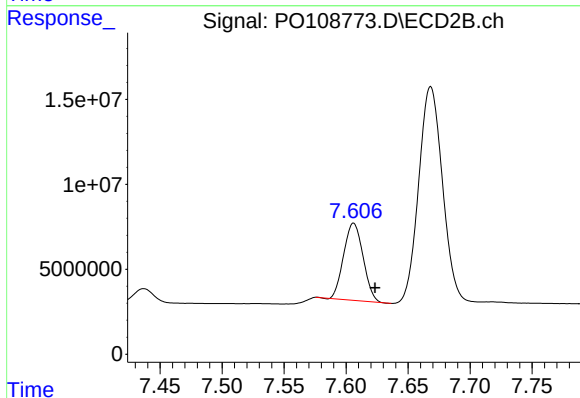
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 60727957
Conc: 328.56 ng/ml



#41 AR-1268-1

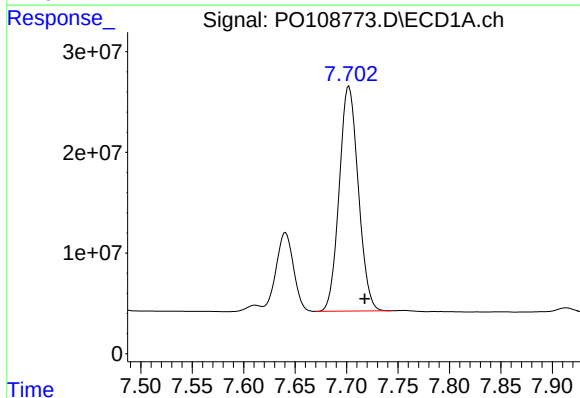
R.T.: 7.641 min
Delta R.T.: -0.013 min
Response: 98745678
Conc: 79.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



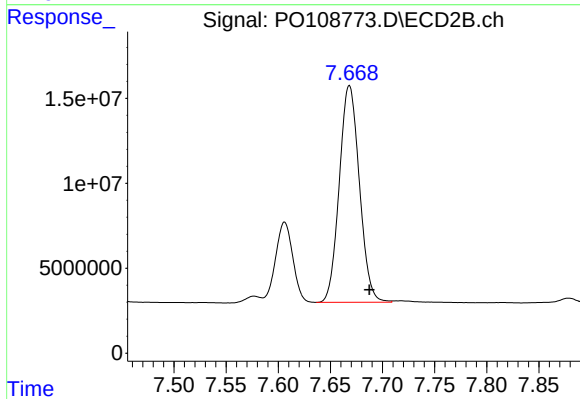
#41 AR-1268-1

R.T.: 7.606 min
Delta R.T.: -0.017 min
Response: 49702948
Conc: 76.95 ng/ml



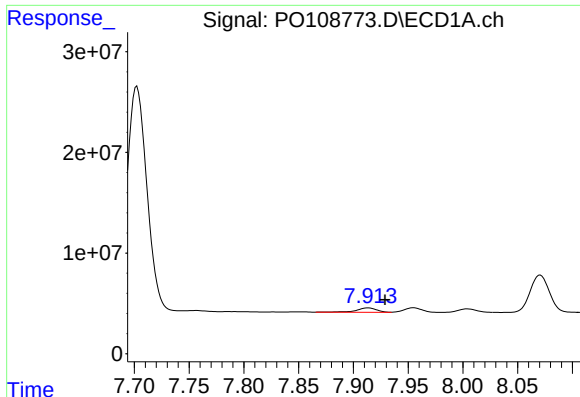
#42 AR-1268-2

R.T.: 7.702 min
Delta R.T.: -0.015 min
Response: 288391321
Conc: 257.11 ng/ml



#42 AR-1268-2

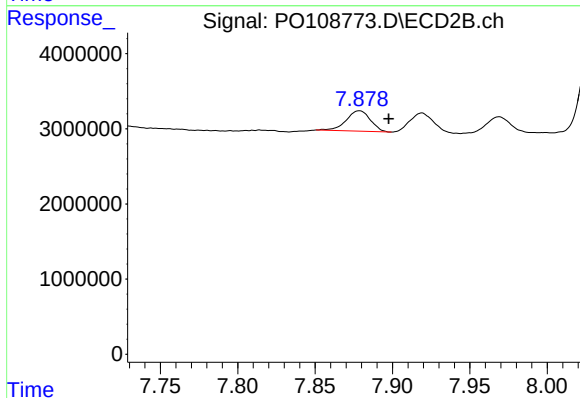
R.T.: 7.668 min
Delta R.T.: -0.019 min
Response: 171208514
Conc: 294.41 ng/ml



#43 AR-1268-3

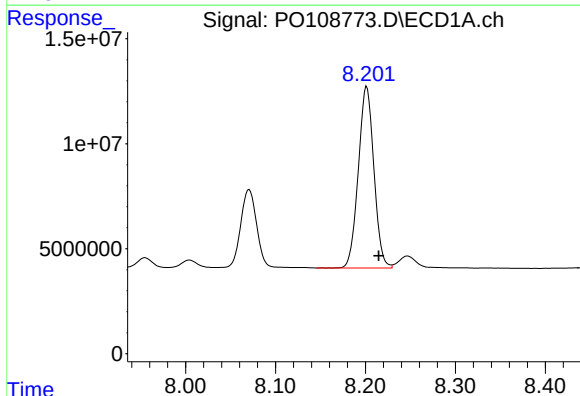
R.T.: 7.914 min
Delta R.T.: -0.015 min
Response: 5476885
Conc: 6.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



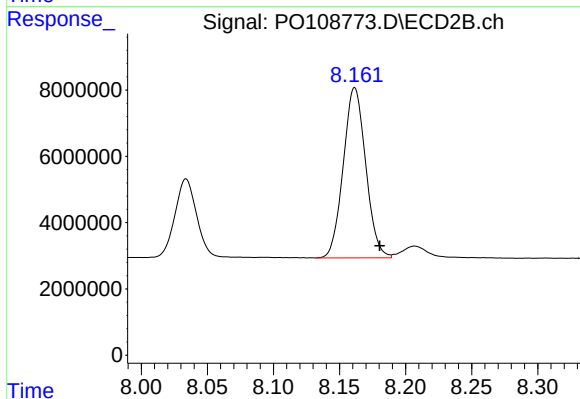
#43 AR-1268-3

R.T.: 7.879 min
Delta R.T.: -0.019 min
Response: 2958172
Conc: 5.93 ng/ml



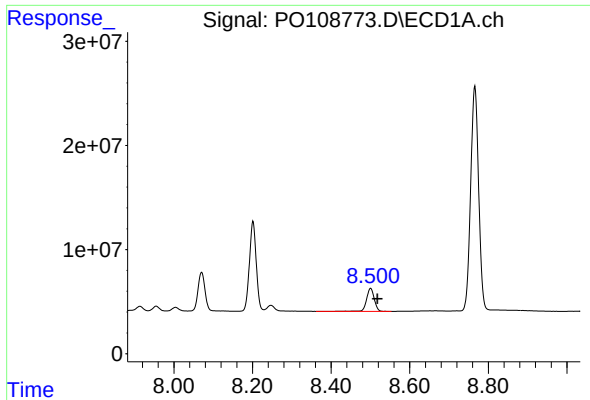
#44 AR-1268-4

R.T.: 8.201 min
Delta R.T.: -0.013 min
Response: 103980844
Conc: 268.75 ng/ml



#44 AR-1268-4

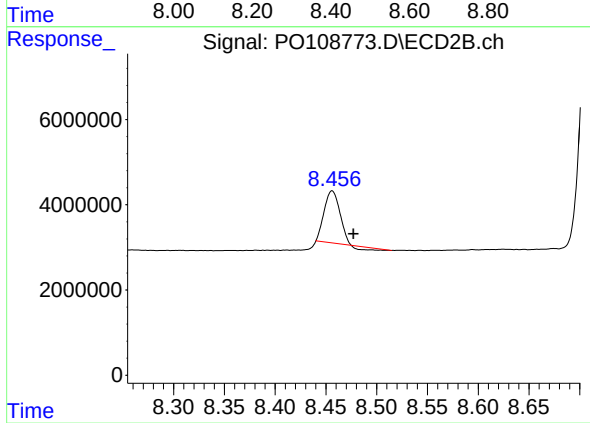
R.T.: 8.162 min
Delta R.T.: -0.019 min
Response: 60727957
Conc: 299.09 ng/ml



#45 AR-1268-5

R.T.: 8.501 min
Delta R.T.: -0.017 min
Response: 30116386
Conc: 10.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



#45 AR-1268-5

R.T.: 8.456 min
Delta R.T.: -0.021 min
Response: 12286687
Conc: 8.27 ng/ml