

DATA PACKAGE
GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP
585 Middlesex Street

Lowell, MA - 01851
Phone No: 978-683-0891

ORDER ID : P5306
ATTENTION : Adam Roy



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	16
9.3) LCS/LCSD Summary	18
9.4) Method Blank Summary	19
10) Sample Data	20
10.1) OU4-VSL-07-121224	21
10.2) OU4-VSL-08-121224	25
10.3) OU4-VSL-09-121224	29
10.4) OU4-VSL-10-121224	33
10.5) OU4-VSL-11-121224	37
10.6) OU4-VSL-12-121224	41
10.7) OU4-VSL-13-121224	45
10.8) OU4-VSL-14-121224	49
11) Calibration Data Summary	53
11.1) Initial Calibration Data	54
11.1.1) PO120624	54
11.2) Continued Calibration Data	273
11.2.1) PO108620.D	273
11.2.2) PO108635.D	285
11.2.3) PO108649.D	297
11.3) Analytical Seq	309
12) Compound Detection Summary	313
13) QC Sample Data	316
13.1) Method Blank Data	317
13.2) PIBLK Data	321
13.3) LCS Data	337

Table Of Contents for P5306

13.4) MS Data	346
13.5) MSD Data	355
14) Manual Integration	364
15) Analytical Runlogs	367
16) Percent Solid	377
17) Extraction Logs	379
17.1) PB165703.pdf	379
17.2) PB165703IC.pdf	381
18) Standard Prep Logs	384
19) Shipping Document	474
19.1) Chain Of Custody	475
19.2) Lab Certificate	476
19.3) Internal COC	477
20) Not Reviewed Data	479

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

Cover Page

Order ID : P5306

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

P5306-01
P5306-02
P5306-03
P5306-04
P5306-05
P5306-06
P5306-07
P5306-08
P5306-09
P5306-10
P5306-11
P5306-12
P5306-13
P5306-14
P5306-15
P5306-16
P5306-17
P5306-18

Client Sample Number

OU4-VSL-07-121224
OU4-VSL-07-121224
OU4-VSL-08-121224
OU4-VSL-08-121224
OU4-VSL-09-121224
OU4-VSL-09-121224
OU4-VSL-10-121224
OU4-VSL-10-121224
OU4-VSL-11-121224
OU4-VSL-11-121224
OU4-VSL-12-121224
OU4-VSL-12-121224
OU4-VSL-13-121224
OU4-VSL-13-121224
OU4-VSL-14-121224
OU4-VSL-14-121224
OU4-VSL-06R-121224
OU4-VSL-06R-121224

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: 12/23/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # P5306

Test Name: PCB

A. Number of Samples and Date of Receipt:

18 Solid samples were received on 12/17/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals Group6, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SPLP MetalGroup6, SVOCMS Group3 and VOCMS Group3. 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 OU4-VSL-07-121224MS [Decachlorobiphenyl(2) - 137%], OU4-VSL-10-121224 [Decachlorobiphenyl(2) - 126%] 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 .



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

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. 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: P5306

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 OU4-VSL-07-121224MS [Decachlorobiphenyl(2) - 137%], OU4-VSL-10-121224 [Decachlorobiphenyl(2) - 126%] 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 #: P5306

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: 12/23/2024

LAB CHRONICLE

OrderID:	P5306	OrderDate:	12/17/2024 10:24:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	L41,L61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5306-01	OU4-VSL-07-121224	SOIL	PCB	8082A	12/12/24	12/18/24	12/18/24	12/17/24
P5306-03	OU4-VSL-08-121224	SOIL	PCB	8082A	12/12/24	12/18/24	12/18/24	12/17/24
P5306-05	OU4-VSL-09-121224	SOIL	PCB	8082A	12/12/24	12/18/24	12/18/24	12/17/24
P5306-07	OU4-VSL-10-121224	SOIL	PCB	8082A	12/12/24	12/18/24	12/18/24	12/17/24
P5306-09	OU4-VSL-11-121224	SOIL	PCB	8082A	12/12/24	12/18/24	12/18/24	12/17/24
P5306-11	OU4-VSL-12-121224	SOIL	PCB	8082A	12/12/24	12/18/24	12/18/24	12/17/24
P5306-13	OU4-VSL-13-121224	SOIL	PCB	8082A	12/12/24	12/18/24	12/18/24	12/17/24
P5306-15	OU4-VSL-14-121224	SOIL	PCB	8082A	12/12/24	12/18/24	12/18/24	12/17/24

Hit Summary Sheet
SW-846

SDG No.: P5306

Order ID: P5306

Client: Nobis Group

Project ID: Raymark Superfund Site

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.: **P5306**

Client: **Nobis Group**

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-PO108624.D	PIBLK-PO108624.D	Tetrachloro-m-xylene	1	20	20.4	102		60	140
		Decachlorobiphenyl	1	20	20.2	101		60	140
		Tetrachloro-m-xylene	2	20	21.3	107		60	140
		Decachlorobiphenyl	2	20	23.4	117		60	140
PB165703BL	PB165703BL	Tetrachloro-m-xylene	1	20	18.9	94		44	130
		Decachlorobiphenyl	1	20	19.2	96		60	125
		Tetrachloro-m-xylene	2	20	19.5	98		44	130
		Decachlorobiphenyl	2	20	22.0	110		60	125
PB165703BS	PB165703BS	Tetrachloro-m-xylene	1	20	17.7	89		44	130
		Decachlorobiphenyl	1	20	19.3	96		60	125
		Tetrachloro-m-xylene	2	20	18.4	92		44	130
		Decachlorobiphenyl	2	20	22.3	112		60	125
P5306-01	OU4-VSL-07-121224	Tetrachloro-m-xylene	1	20	22.3	111		44	130
		Decachlorobiphenyl	1	20	19.0	95		60	125
		Tetrachloro-m-xylene	2	20	23.1	116		44	130
		Decachlorobiphenyl	2	20	22.4	112		60	125
P5306-01MS	OU4-VSL-07-121224MS	Tetrachloro-m-xylene	1	20	22.4	112		44	130
		Decachlorobiphenyl	1	20	23.8	119		60	125
		Tetrachloro-m-xylene	2	20	23.1	115		44	130
		Decachlorobiphenyl	2	20	27.4	137	*	60	125
P5306-01MSD	OU4-VSL-07-121224MSD	Tetrachloro-m-xylene	1	20	22.5	112		44	130
		Decachlorobiphenyl	1	20	20.6	103		60	125
		Tetrachloro-m-xylene	2	20	23.3	117		44	130
		Decachlorobiphenyl	2	20	23.9	119		60	125
P5306-03	OU4-VSL-08-121224	Tetrachloro-m-xylene	1	20	22.4	112		44	130
		Decachlorobiphenyl	1	20	18.9	94		60	125
		Tetrachloro-m-xylene	2	20	23.5	117		44	130
		Decachlorobiphenyl	2	20	21.9	109		60	125
I.BLK-PO108639.D	PIBLK-PO108639.D	Tetrachloro-m-xylene	1	20	20.5	103		60	140
		Decachlorobiphenyl	1	20	20.3	102		60	140
		Tetrachloro-m-xylene	2	20	21.5	108		60	140
		Decachlorobiphenyl	2	20	24.1	121		60	140
P5306-05	OU4-VSL-09-121224	Tetrachloro-m-xylene	1	20	22.1	110		44	130
		Decachlorobiphenyl	1	20	19.8	99		60	125
		Tetrachloro-m-xylene	2	20	23.0	115		44	130
		Decachlorobiphenyl	2	20	23.5	118		60	125
P5306-07	OU4-VSL-10-121224	Tetrachloro-m-xylene	1	20	22.4	112		44	130

Surrogate Summary

SDG No.: **P5306**

Client: **Nobis Group**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P5306-07	OU4-VSL-10-121224	Decachlorobiphenyl	1	20	21.5	107		60	125
		Tetrachloro-m-xylene	2	20	23.5	118		44	130
		Decachlorobiphenyl	2	20	25.3	126	*	60	125
P5306-09	OU4-VSL-11-121224	Tetrachloro-m-xylene	1	20	21.7	108		44	130
		Decachlorobiphenyl	1	20	18.6	93		60	125
		Tetrachloro-m-xylene	2	20	22.9	114		44	130
		Decachlorobiphenyl	2	20	21.7	109		60	125
P5306-11	OU4-VSL-12-121224	Tetrachloro-m-xylene	1	20	22.4	112		44	130
		Decachlorobiphenyl	1	20	18.6	93		60	125
		Tetrachloro-m-xylene	2	20	23.6	118		44	130
		Decachlorobiphenyl	2	20	21.9	110		60	125
P5306-13	OU4-VSL-13-121224	Tetrachloro-m-xylene	1	20	21.8	109		44	130
		Decachlorobiphenyl	1	20	17.3	86		60	125
		Tetrachloro-m-xylene	2	20	22.9	114		44	130
		Decachlorobiphenyl	2	20	20.1	101		60	125
P5306-15	OU4-VSL-14-121224	Tetrachloro-m-xylene	1	20	20.7	103		44	130
		Decachlorobiphenyl	1	20	18.1	91		60	125
		Tetrachloro-m-xylene	2	20	21.8	109		44	130
		Decachlorobiphenyl	2	20	21.1	106		60	125
I.BLK-PO108653.D	PIBLK-PO108653.D	Tetrachloro-m-xylene	1	20	20.6	103		60	140
		Decachlorobiphenyl	1	20	20.4	102		60	140
		Tetrachloro-m-xylene	2	20	21.5	108		60	140
		Decachlorobiphenyl	2	20	24.0	120		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: 8082A

DataFile : PO108632.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	OU4-VSL-07-121224MS											
P5306-01MS	AR1016	183.3	0	239	ug/kg	130				47	134	
	AR1260	183.3	0	242	ug/kg	132				53	140	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: 8082A

DataFile : PO108633.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	OU4-VSL-07-121224MSD											
P5306-01MSD	AR1016	183.2	0	229	ug/kg	125		4		47	134	20
	AR1260	183.2	0	220	ug/kg	120		10		53	140	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: 8082A Datafile : PO108626.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB165703BS	AR1016	166.6	159	ug/kg	95				47	134		
	AR1260	166.6	165	ug/kg	99				53	140		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165703BL

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM Case No.: P5306

SAS No.: P5306 SDG NO.: P5306

Lab Sample ID: PB165703BL

Lab File ID: PO108625.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/18/2024

Date Analyzed (1): 12/18/2024

Date Analyzed (2): 12/18/2024

Time Analyzed (1): 16:18

Time Analyzed (2): 16:18

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
PB165703BS	PB165703BS	PO108626.D	12/18/2024	12/18/2024
OU4-VSL-07-121224	P5306-01	PO108631.D	12/18/2024	12/18/2024
OU4-VSL-07-121224MS	P5306-01MS	PO108632.D	12/18/2024	12/18/2024
OU4-VSL-07-121224MSD	P5306-01MSD	PO108633.D	12/18/2024	12/18/2024
OU4-VSL-08-121224	P5306-03	PO108634.D	12/18/2024	12/18/2024
OU4-VSL-09-121224	P5306-05	PO108640.D	12/18/2024	12/18/2024
OU4-VSL-10-121224	P5306-07	PO108641.D	12/18/2024	12/18/2024
OU4-VSL-11-121224	P5306-09	PO108642.D	12/18/2024	12/18/2024
OU4-VSL-12-121224	P5306-11	PO108643.D	12/18/2024	12/18/2024
OU4-VSL-13-121224	P5306-13	PO108644.D	12/18/2024	12/18/2024
OU4-VSL-14-121224	P5306-15	PO108645.D	12/18/2024	12/18/2024

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:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8
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
PO108631.D	1	12/18/24 08:10	12/18/24 18:08	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.10	U	3.70	9.10	18.7	ug/kg
11104-28-2	Aroclor-1221	14.3	U	7.10	14.3	18.7	ug/kg
11141-16-5	Aroclor-1232	14.3	U	3.70	14.3	18.7	ug/kg
53469-21-9	Aroclor-1242	9.10	U	3.70	9.10	18.7	ug/kg
12672-29-6	Aroclor-1248	14.3	U	8.70	14.3	18.7	ug/kg
11097-69-1	Aroclor-1254	14.3	U	3.00	14.3	18.7	ug/kg
37324-23-5	Aroclor-1262	9.10	U	5.00	9.10	18.7	ug/kg
11100-14-4	Aroclor-1268	14.3	U	3.80	14.3	18.7	ug/kg
11096-82-5	Aroclor-1260	9.10	U	3.20	9.10	18.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.1		44 - 130		116%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		60 - 125		112%	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\PO121824\
Data File : PO108631.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:08
Operator : YP/AJ
Sample : P5306-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:51:26 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...	3.706	3.703	193.6E6	117.3E6	22.250	23.146
2) SA Decachlor...	8.775	8.725	138.8E6	86748825	18.999	22.387

Target Compounds

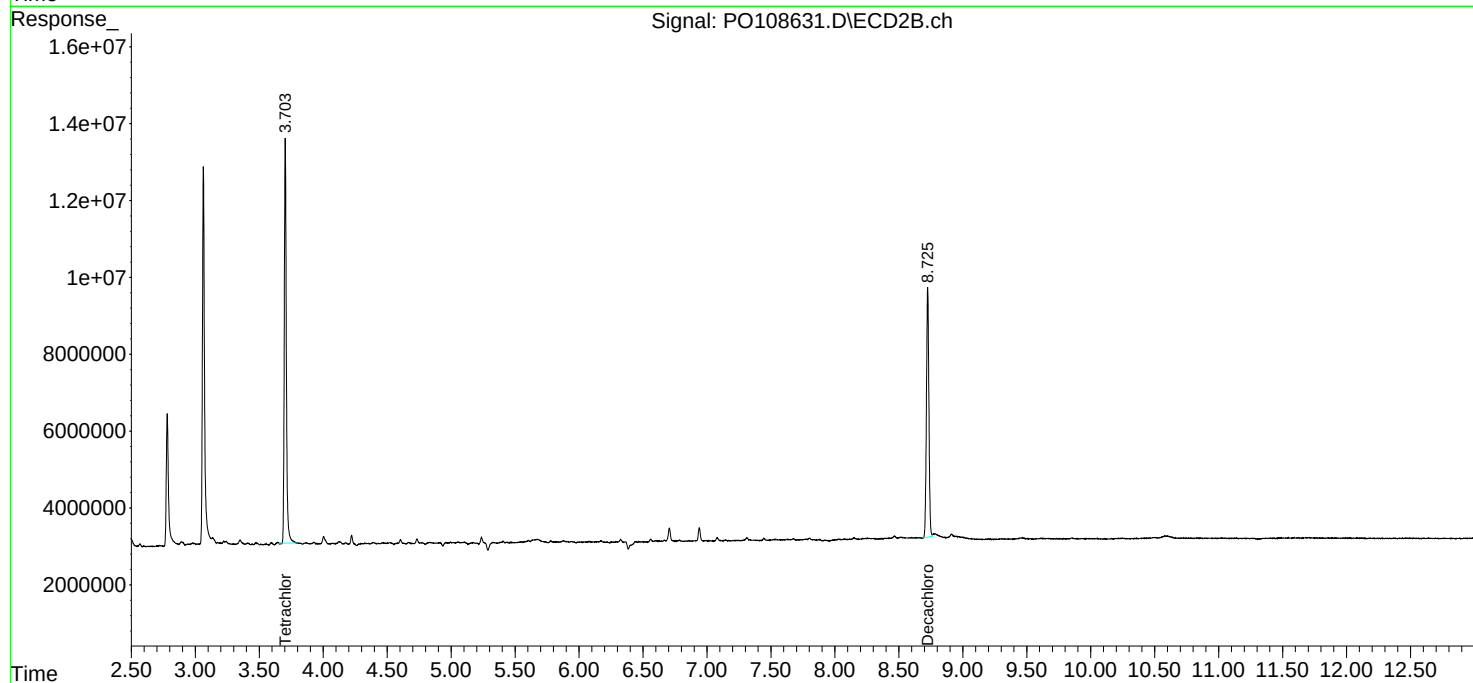
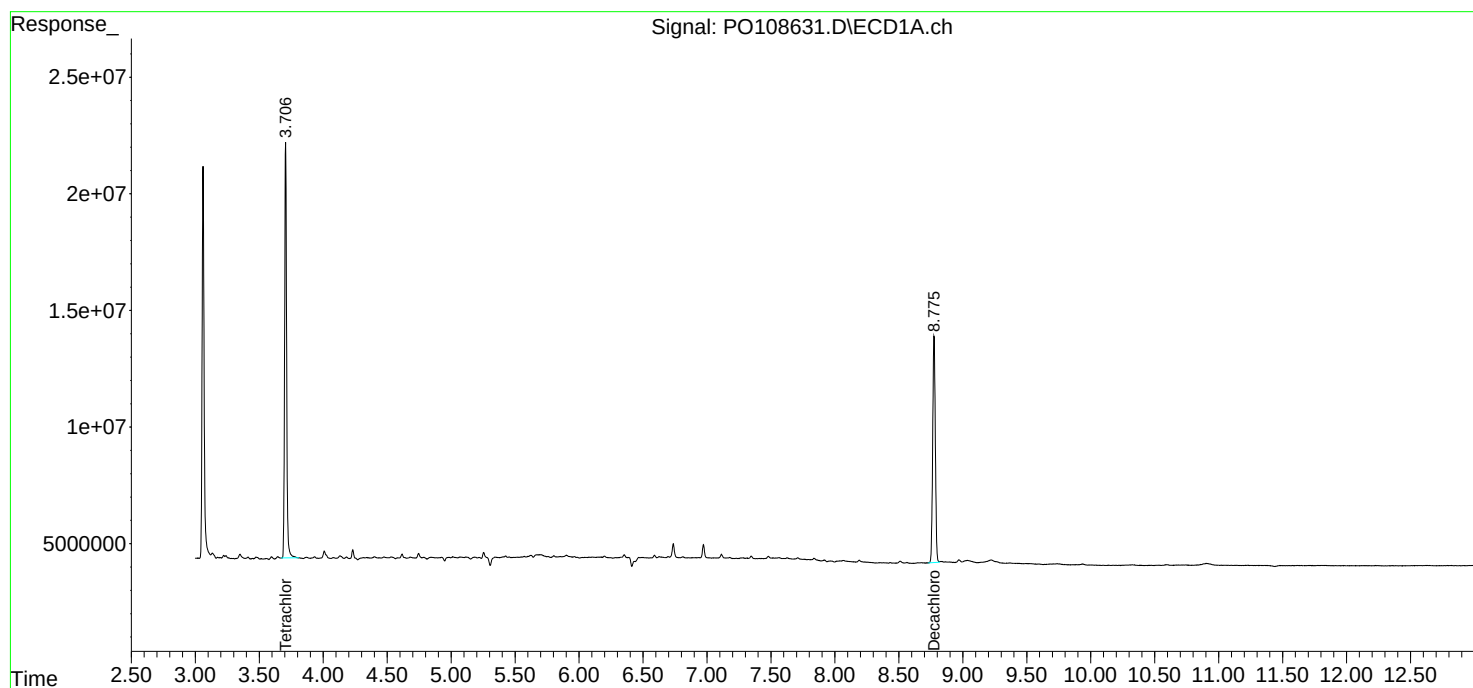
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

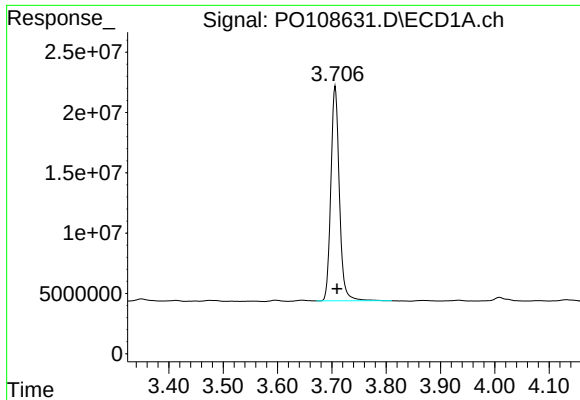
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO121824\
Data File : PO108631.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:08
Operator : YP/AJ
Sample : P5306-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:51:26 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

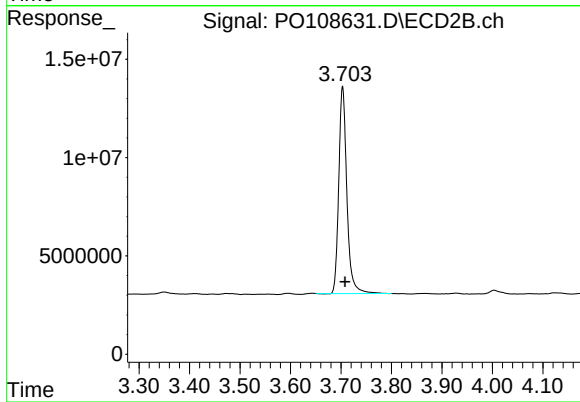




#1 Tetrachloro-m-xylene

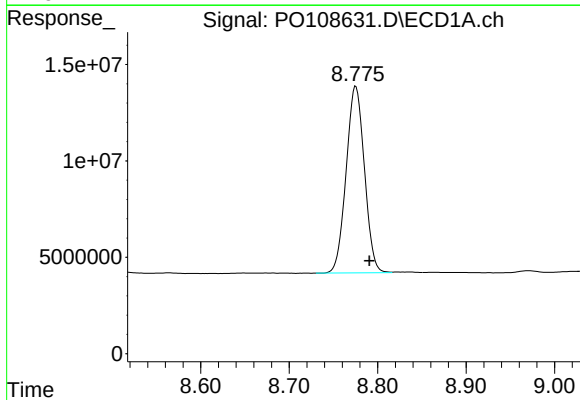
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 193581180
Conc: 22.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224



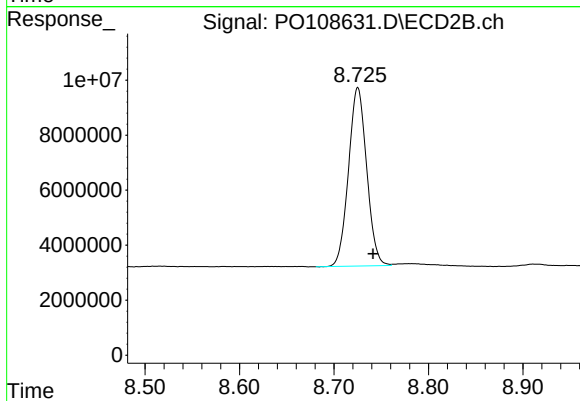
#1 Tetrachloro-m-xylene

R.T.: 3.703 min
Delta R.T.: -0.005 min
Response: 117334732
Conc: 23.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 138766920
Conc: 19.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.016 min
Response: 86748825
Conc: 22.39 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8
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
PO108634.D	1	12/18/24 08:10	12/18/24 19:03	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.10	U	3.70	9.10	18.7	ug/kg
11104-28-2	Aroclor-1221	14.3	U	7.10	14.3	18.7	ug/kg
11141-16-5	Aroclor-1232	14.3	U	3.70	14.3	18.7	ug/kg
53469-21-9	Aroclor-1242	9.10	U	3.70	9.10	18.7	ug/kg
12672-29-6	Aroclor-1248	14.3	U	8.70	14.3	18.7	ug/kg
11097-69-1	Aroclor-1254	14.3	U	3.00	14.3	18.7	ug/kg
37324-23-5	Aroclor-1262	9.10	U	5.00	9.10	18.7	ug/kg
11100-14-4	Aroclor-1268	14.3	U	3.80	14.3	18.7	ug/kg
11096-82-5	Aroclor-1260	9.10	U	3.20	9.10	18.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.5		44 - 130		117%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		60 - 125		109%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108634.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 19:03
Operator : YP/AJ
Sample : P5306-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-08-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:52:19 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...	3.706	3.703	195.3E6	119.0E6	22.453	23.473
2) SA Decachlor...	8.775	8.724	137.8E6	84823649	18.870	21.890

Target Compounds

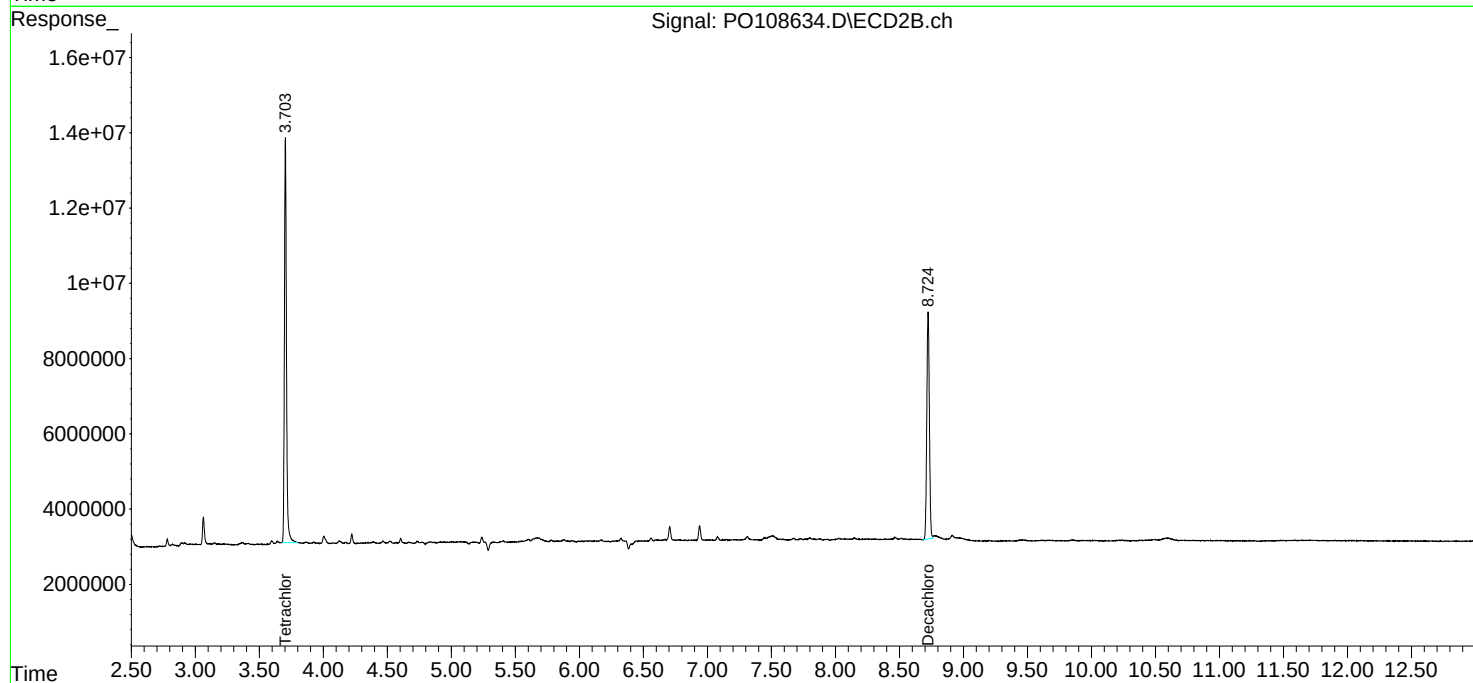
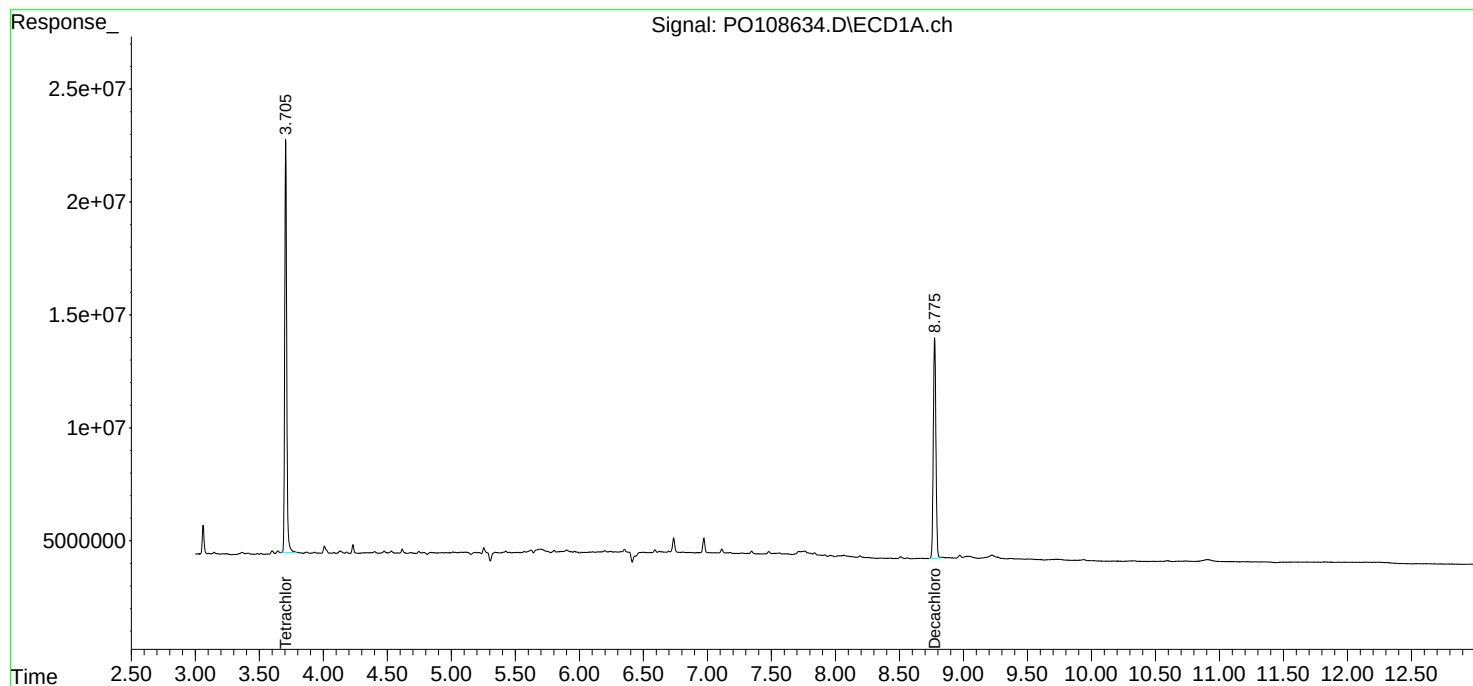
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

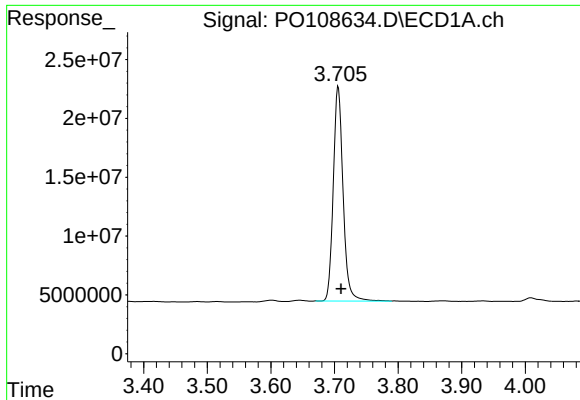
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO121824\
Data File : PO108634.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 19:03
Operator : YP/AJ
Sample : P5306-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
OU4-VSL-08-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:52:19 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

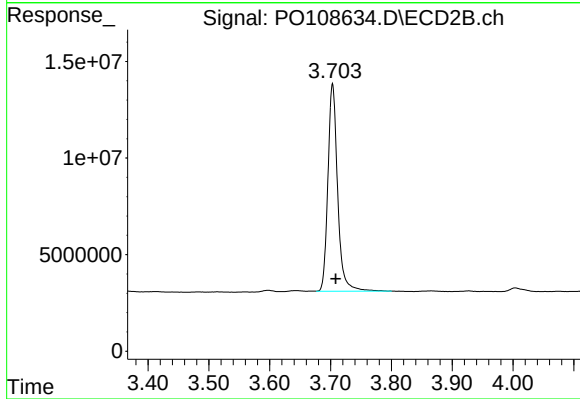




#1 Tetrachloro-m-xylene

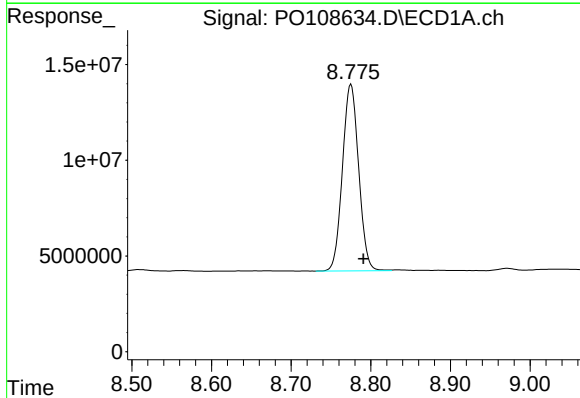
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 195344255
Conc: 22.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-08-121224



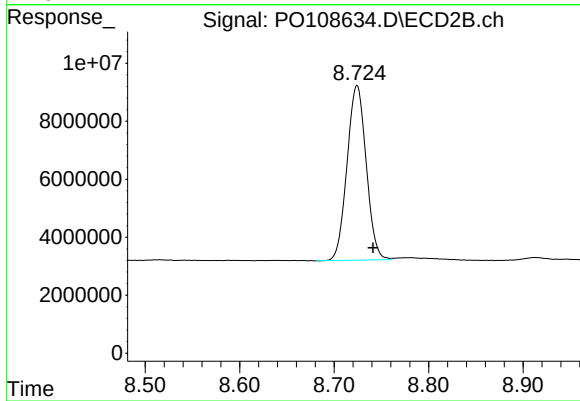
#1 Tetrachloro-m-xylene

R.T.: 3.703 min
Delta R.T.: -0.005 min
Response: 118994455
Conc: 23.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 137826533
Conc: 18.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.017 min
Response: 84823649
Conc: 21.89 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.1
Sample Wt/Vol:	30.05	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
PO108640.D	1	12/18/24 08:10	12/18/24 21:35	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.20	U	3.80	9.20	18.8	ug/kg
11104-28-2	Aroclor-1221	14.4	U	7.10	14.4	18.8	ug/kg
11141-16-5	Aroclor-1232	14.4	U	3.80	14.4	18.8	ug/kg
53469-21-9	Aroclor-1242	9.20	U	3.80	9.20	18.8	ug/kg
12672-29-6	Aroclor-1248	14.4	U	8.70	14.4	18.8	ug/kg
11097-69-1	Aroclor-1254	14.4	U	3.00	14.4	18.8	ug/kg
37324-23-5	Aroclor-1262	9.20	U	5.10	9.20	18.8	ug/kg
11100-14-4	Aroclor-1268	14.4	U	3.80	14.4	18.8	ug/kg
11096-82-5	Aroclor-1260	9.20	U	3.20	9.20	18.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.0		44 - 130		115%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		60 - 125		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\PO121824\
Data File : PO108640.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 21:35
Operator : YP/AJ
Sample : P5306-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-09-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:54:04 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...	3.706	3.704	191.9E6	116.8E6	22.059	23.034
2) SA Decachlor...	8.775	8.725	144.9E6	91193120	19.834	23.534

Target Compounds

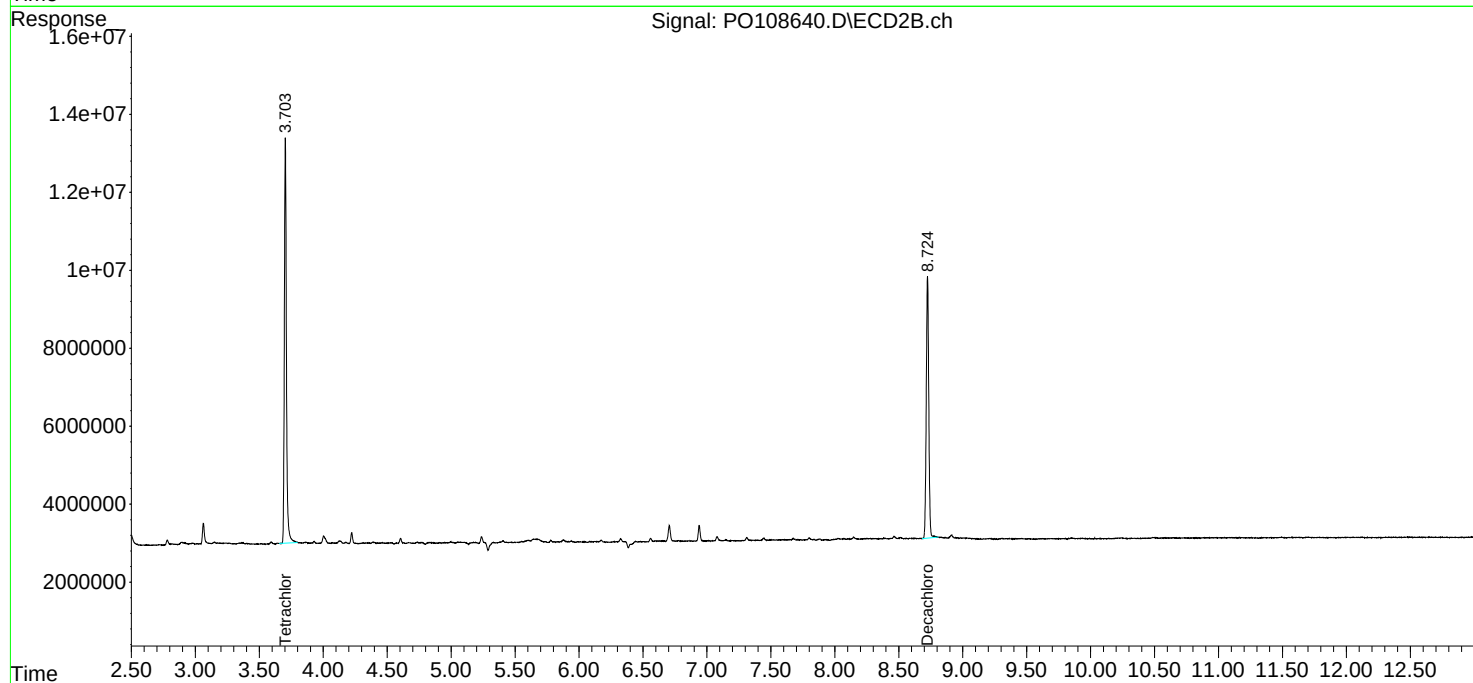
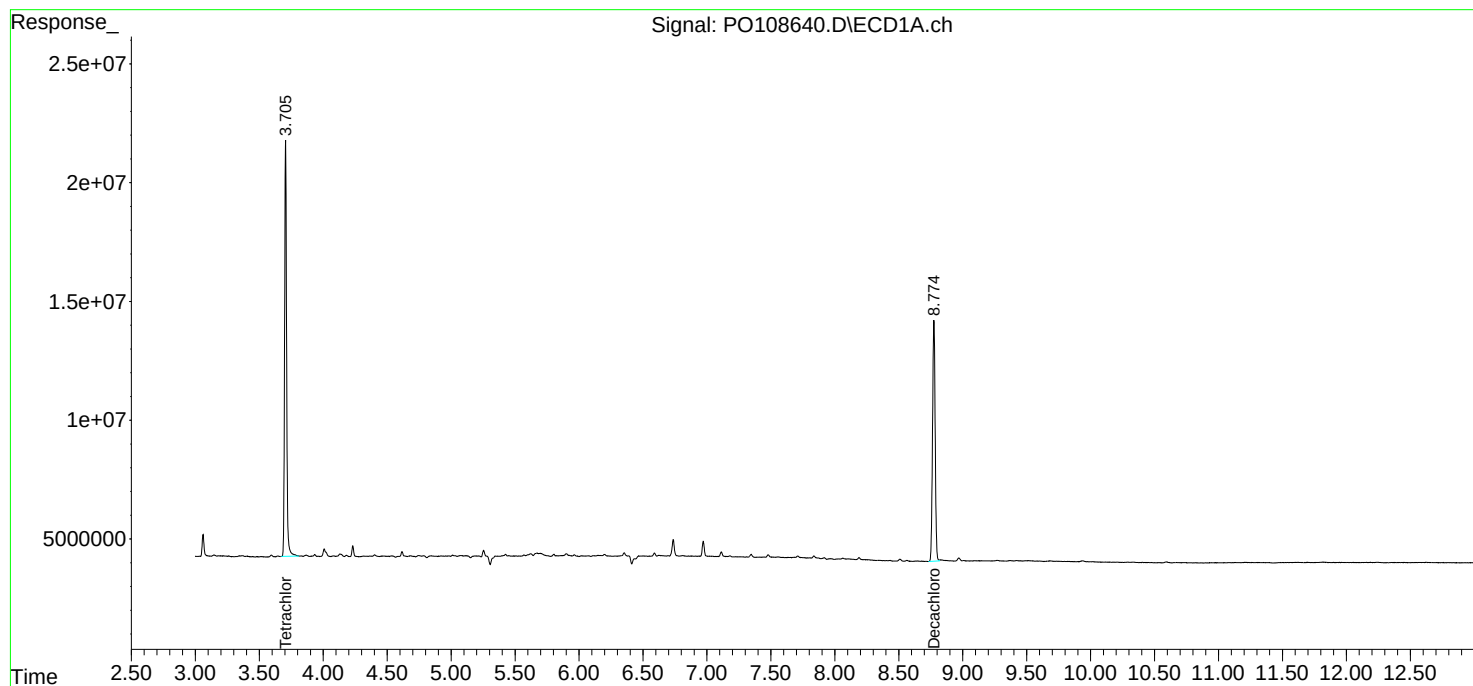
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

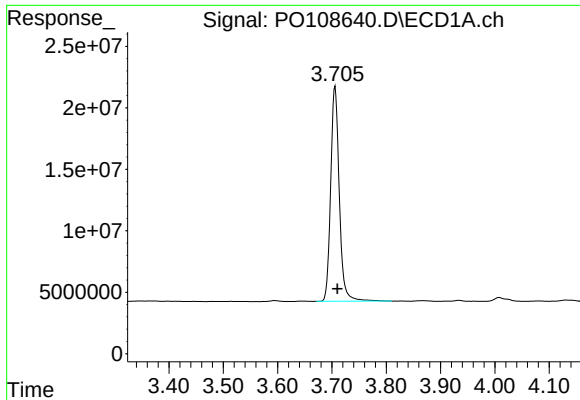
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO121824\
Data File : PO108640.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 21:35
Operator : YP/AJ
Sample : P5306-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_0
ClientSampleId :
OU4-VSL-09-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:54:04 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

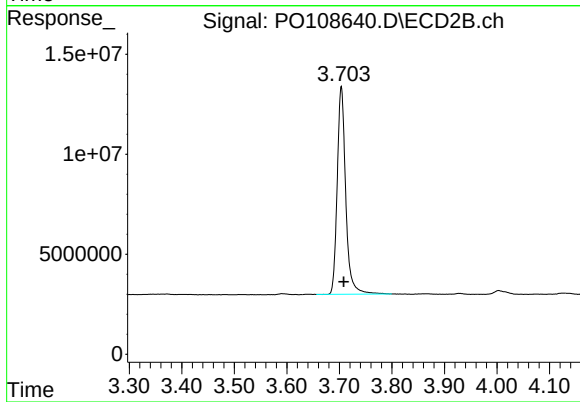




#1 Tetrachloro-m-xylene

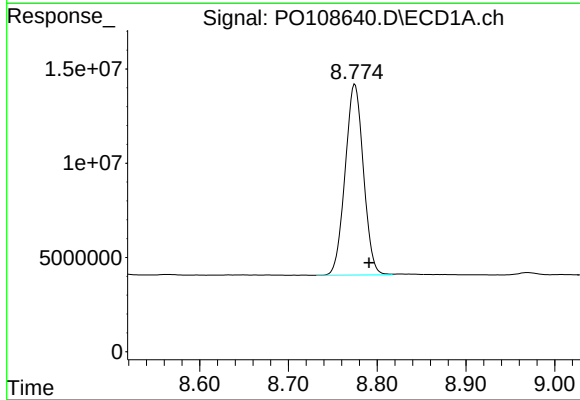
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 191916350
Conc: 22.06 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-09-121224



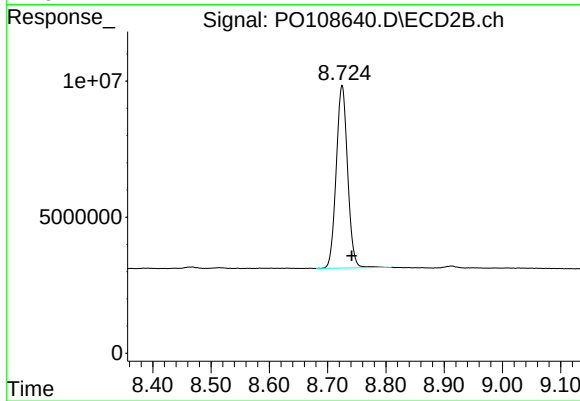
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 116766967
Conc: 23.03 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 144870140
Conc: 19.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.017 min
Response: 91193120
Conc: 23.53 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	95
Sample Wt/Vol:	30.08	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
PO108641.D	1	12/18/24 08:10	12/18/24 21:54	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.70	U	3.60	8.70	17.8	ug/kg
11104-28-2	Aroclor-1221	13.6	U	6.70	13.6	17.8	ug/kg
11141-16-5	Aroclor-1232	13.6	U	3.60	13.6	17.8	ug/kg
53469-21-9	Aroclor-1242	8.70	U	3.60	8.70	17.8	ug/kg
12672-29-6	Aroclor-1248	13.6	U	8.30	13.6	17.8	ug/kg
11097-69-1	Aroclor-1254	13.6	U	2.90	13.6	17.8	ug/kg
37324-23-5	Aroclor-1262	8.70	U	4.80	8.70	17.8	ug/kg
11100-14-4	Aroclor-1268	13.6	U	3.60	13.6	17.8	ug/kg
11096-82-5	Aroclor-1260	8.70	U	3.10	8.70	17.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.5		44 - 130		118%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.3	*	60 - 125		126%	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\PO121824\
Data File : PO108641.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 21:54
Operator : YP/AJ
Sample : P5306-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-10-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:54:22 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...	3.706	3.704	195.3E6	119.2E6	22.443	23.516
2) SA Decachlor...	8.775	8.725	156.8E6	97880471	21.468	25.260

Target Compounds

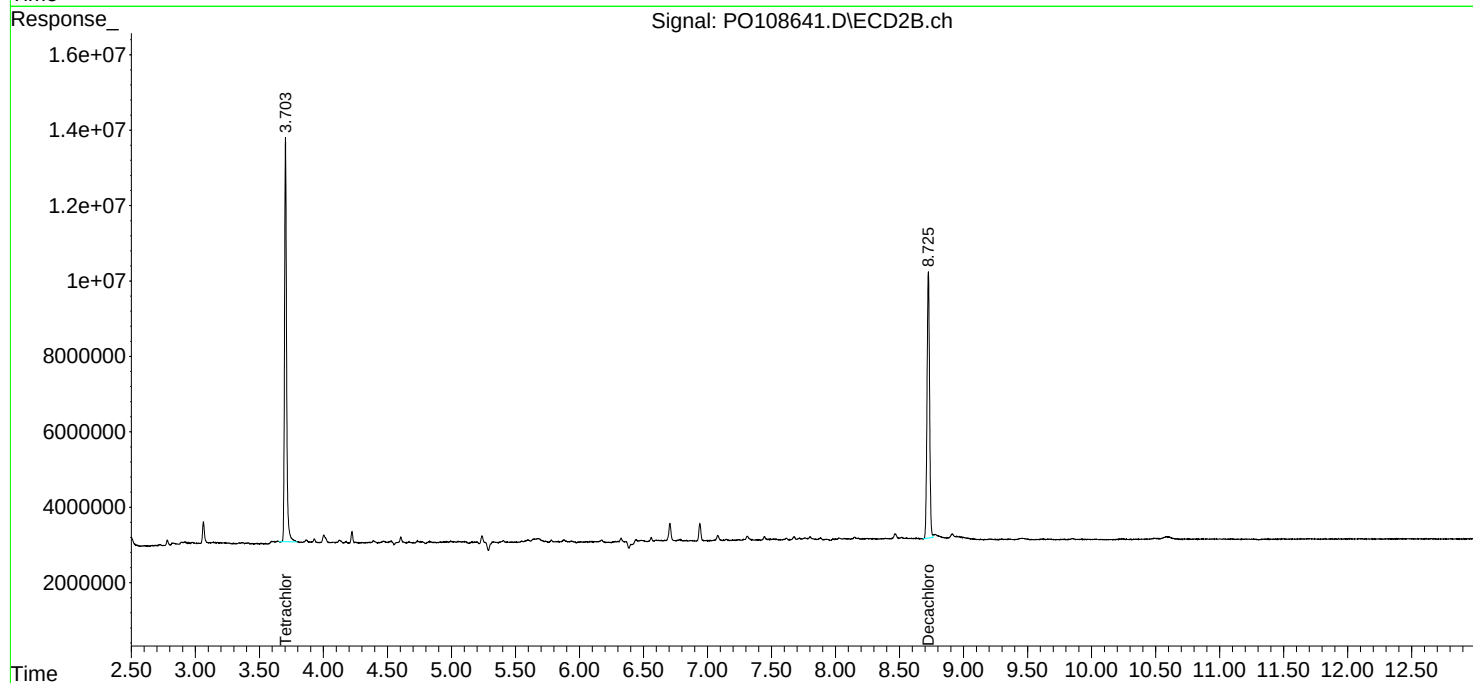
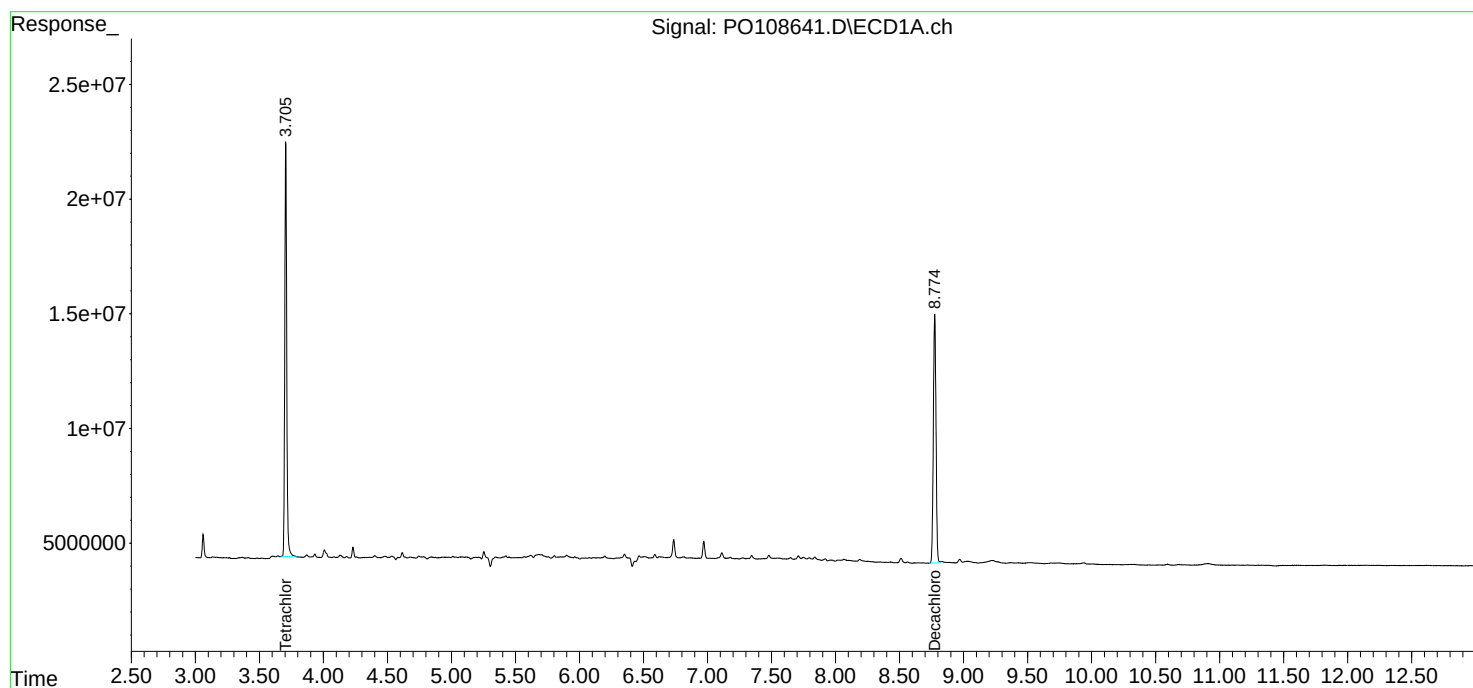
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

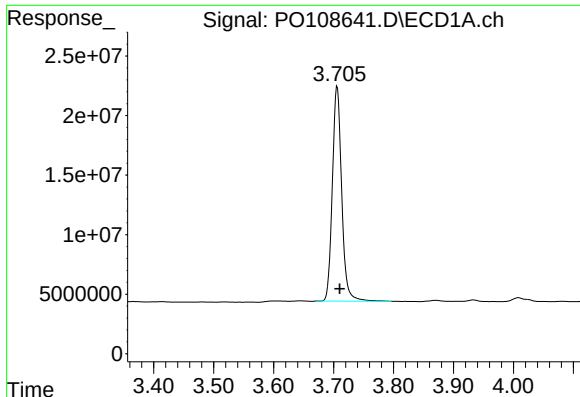
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO121824\
Data File : PO108641.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 21:54
Operator : YP/AJ
Sample : P5306-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-10-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:54:22 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

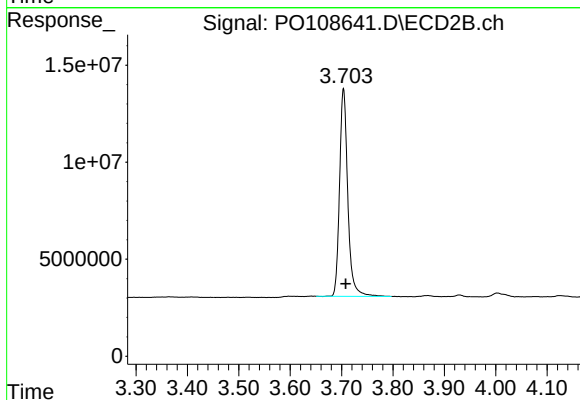




#1 Tetrachloro-m-xylene

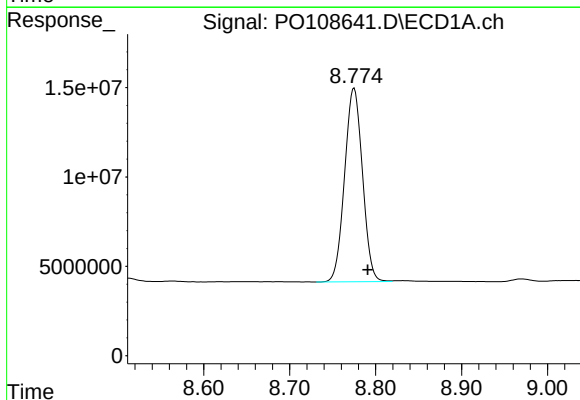
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 195253520
Conc: 22.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-10-121224



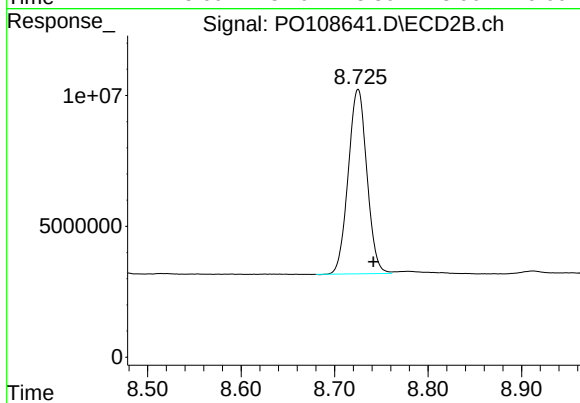
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 119211064
Conc: 23.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 156806396
Conc: 21.47 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.016 min
Response: 97880471
Conc: 25.26 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108642.D	1	12/18/24 08:10	12/18/24 22:12	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.90	U	3.60	8.90	18.1	ug/kg
11104-28-2	Aroclor-1221	13.9	U	6.80	13.9	18.1	ug/kg
11141-16-5	Aroclor-1232	13.9	U	3.60	13.9	18.1	ug/kg
53469-21-9	Aroclor-1242	8.90	U	3.60	8.90	18.1	ug/kg
12672-29-6	Aroclor-1248	13.9	U	8.40	13.9	18.1	ug/kg
11097-69-1	Aroclor-1254	13.9	U	2.90	13.9	18.1	ug/kg
37324-23-5	Aroclor-1262	8.90	U	4.90	8.90	18.1	ug/kg
11100-14-4	Aroclor-1268	13.9	U	3.70	13.9	18.1	ug/kg
11096-82-5	Aroclor-1260	8.90	U	3.10	8.90	18.1	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.9		44 - 130		114%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		60 - 125		109%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 22:12
Operator : YP/AJ
Sample : P5306-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-11-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:54:40 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...	3.706	3.704	188.4E6	115.9E6	21.659	22.855
2) SA Decachlor...	8.774	8.725	135.5E6	84239800	18.554	21.740

Target Compounds

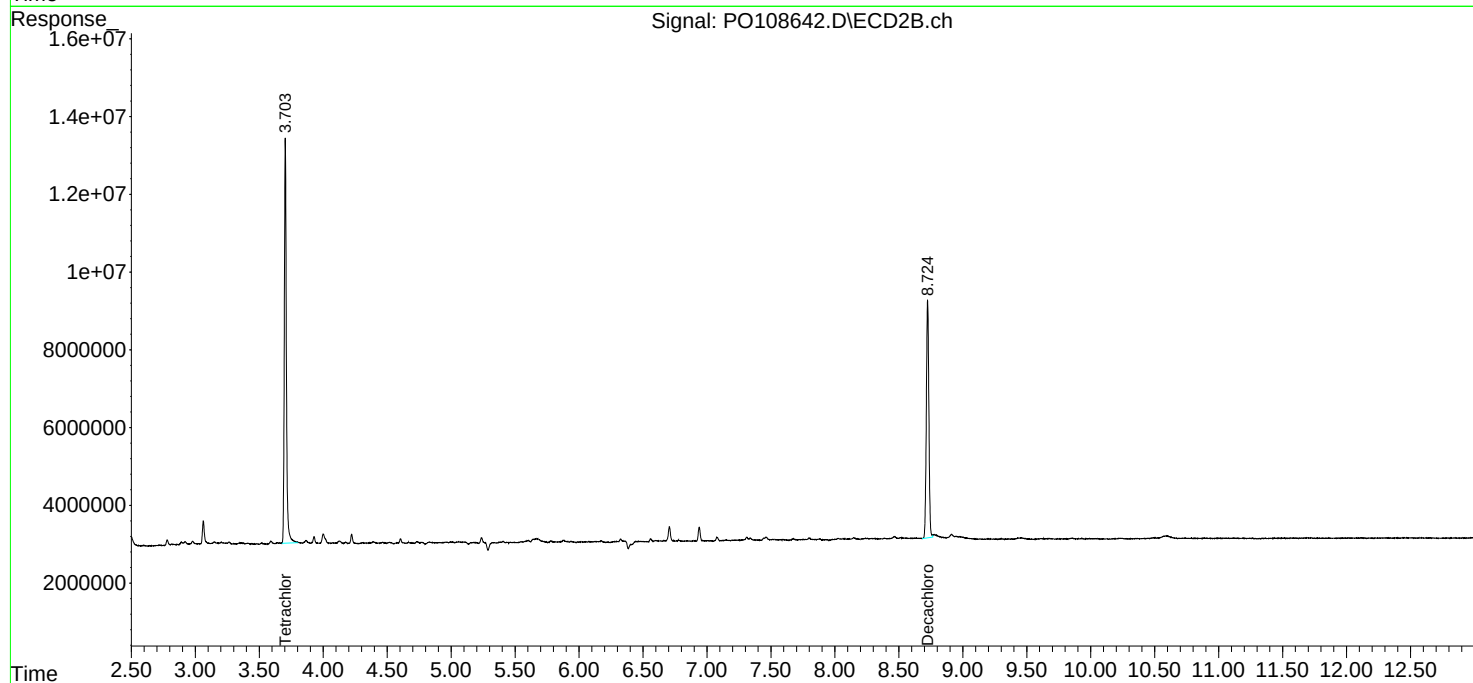
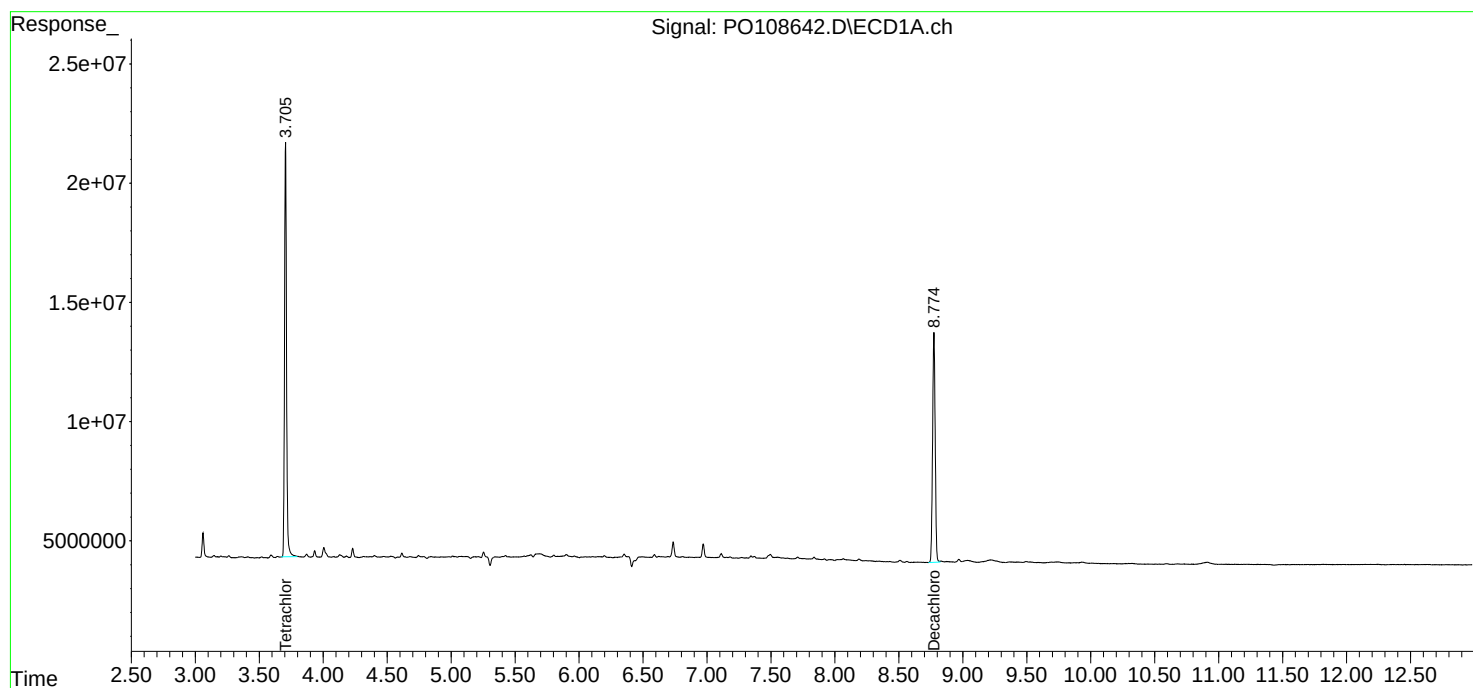
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

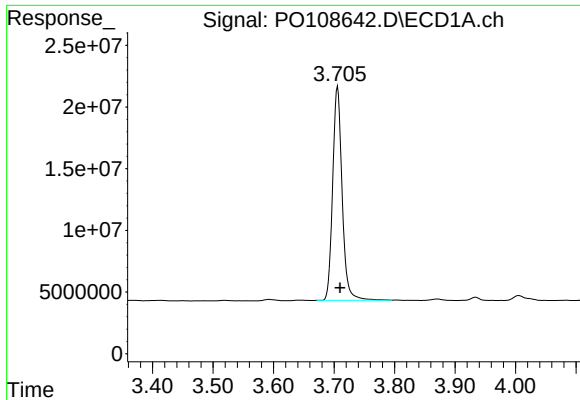
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO121824\
Data File : PO108642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 22:12
Operator : YP/AJ
Sample : P5306-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-11-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:54:40 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

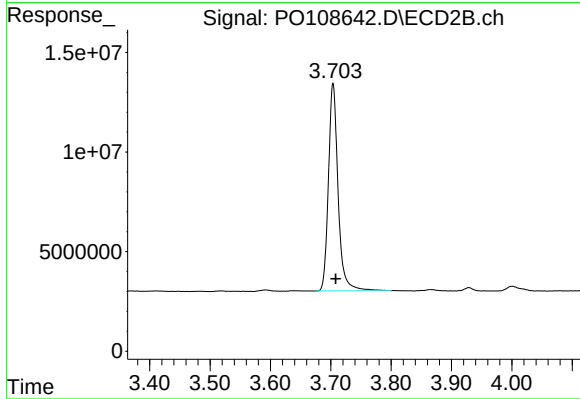




#1 Tetrachloro-m-xylene

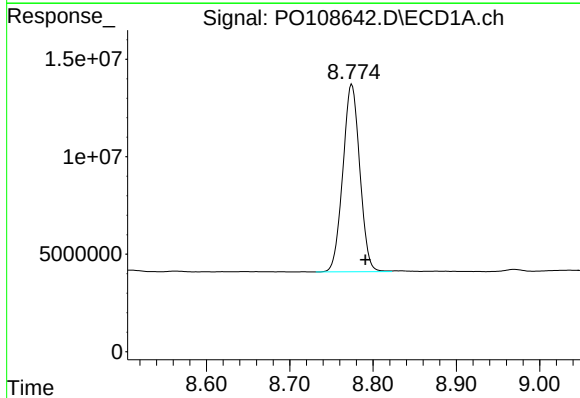
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 188433878
Conc: 21.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-11-121224



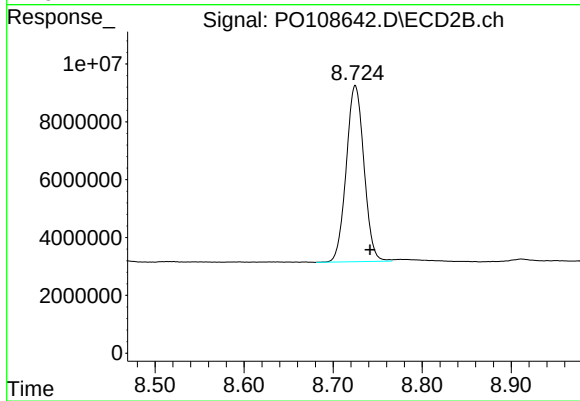
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 115861169
Conc: 22.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.774 min
Delta R.T.: -0.016 min
Response: 135517219
Conc: 18.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.016 min
Response: 84239800
Conc: 21.74 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8
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
PO108643.D	1	12/18/24 08:10	12/18/24 22:30	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.10	U	3.70	9.10	18.7	ug/kg
11104-28-2	Aroclor-1221	14.3	U	7.00	14.3	18.7	ug/kg
11141-16-5	Aroclor-1232	14.3	U	3.70	14.3	18.7	ug/kg
53469-21-9	Aroclor-1242	9.10	U	3.70	9.10	18.7	ug/kg
12672-29-6	Aroclor-1248	14.3	U	8.70	14.3	18.7	ug/kg
11097-69-1	Aroclor-1254	14.3	U	3.00	14.3	18.7	ug/kg
37324-23-5	Aroclor-1262	9.10	U	5.00	9.10	18.7	ug/kg
11100-14-4	Aroclor-1268	14.3	U	3.80	14.3	18.7	ug/kg
11096-82-5	Aroclor-1260	9.10	U	3.20	9.10	18.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.6		44 - 130		118%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		60 - 125		110%	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\PO121824\
Data File : PO108643.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 22:30
Operator : YP/AJ
Sample : P5306-11
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-12-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:54:58 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...	3.706	3.704	194.7E6	119.6E6	22.381	23.600
2) SA Decachlor...	8.775	8.724	135.6E6	84945461	18.568	21.922

Target Compounds

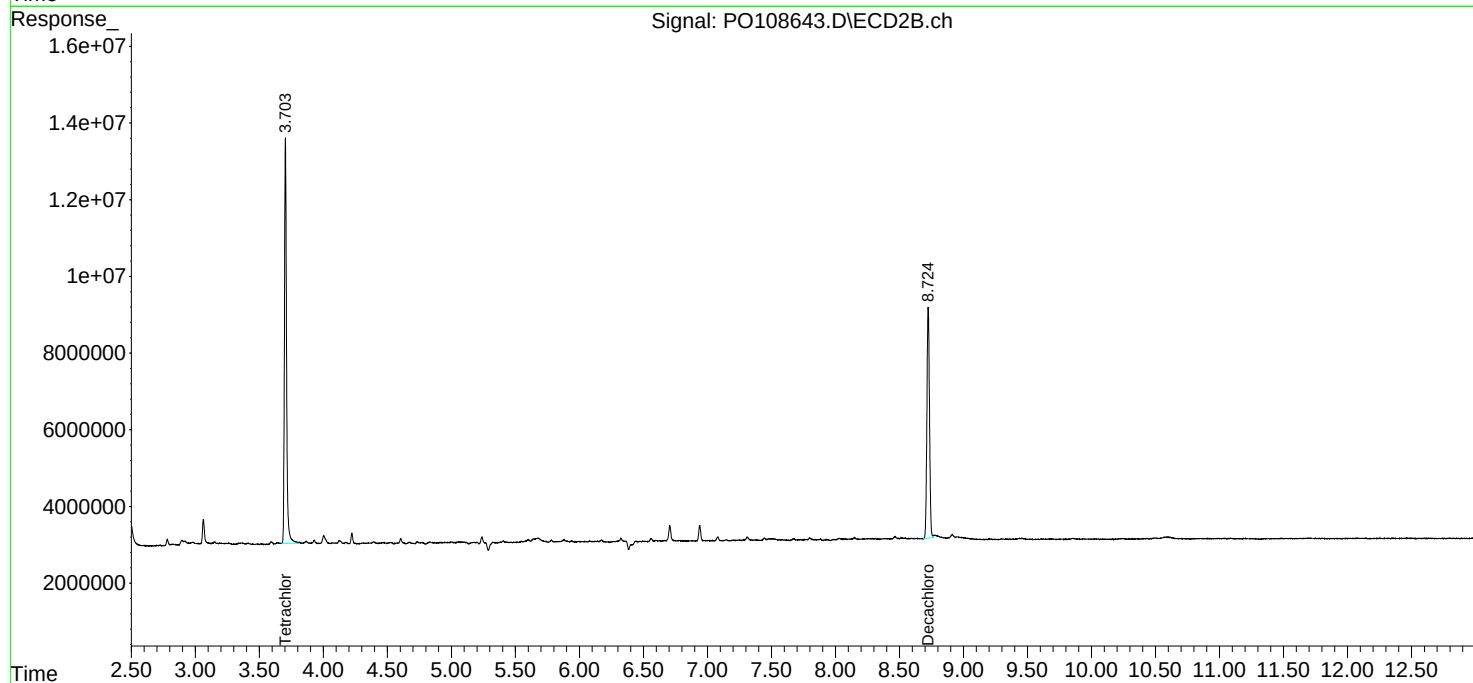
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

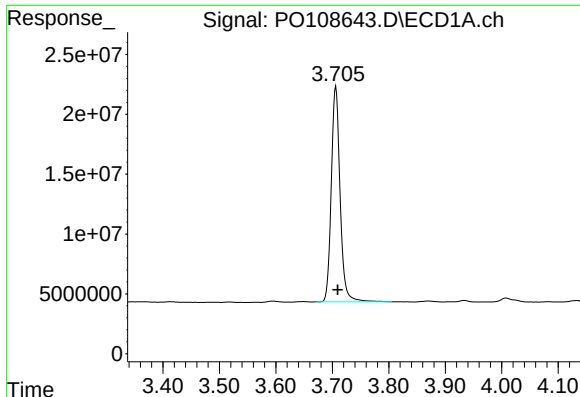
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\Data\PO121824\
Data File : PO108643.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 22:30
Operator : YP/AJ
Sample : P5306-11
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-12-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:54:58 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

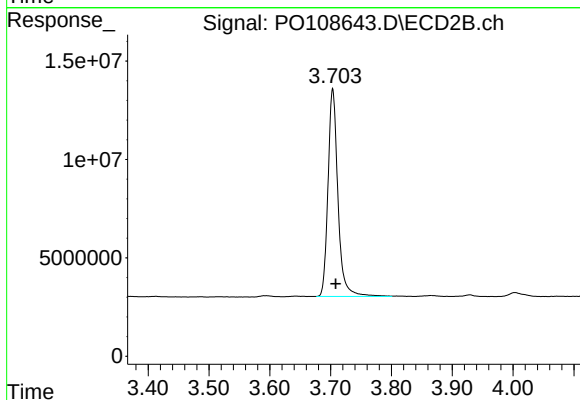




#1 Tetrachloro-m-xylene

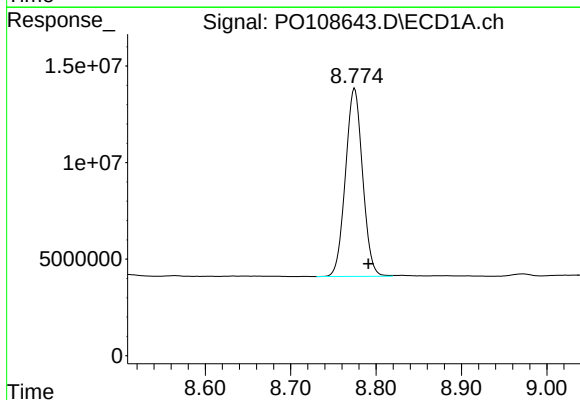
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 194718427
Conc: 22.38 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-12-121224



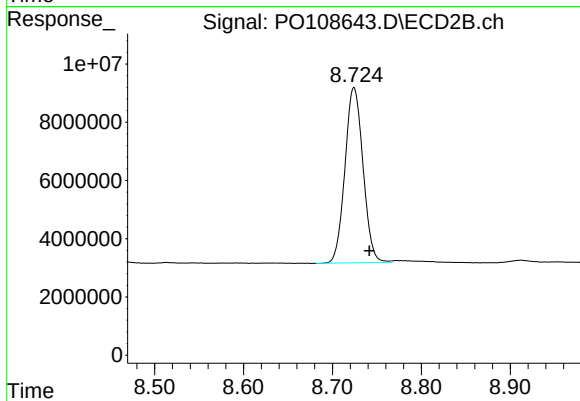
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 119637563
Conc: 23.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 135619276
Conc: 18.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.017 min
Response: 84945461
Conc: 21.92 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108644.D	1	12/18/24 08:10	12/18/24 22:49	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.20	U	3.80	9.20	18.8	ug/kg
11104-28-2	Aroclor-1221	14.4	U	7.10	14.4	18.8	ug/kg
11141-16-5	Aroclor-1232	14.4	U	3.80	14.4	18.8	ug/kg
53469-21-9	Aroclor-1242	9.20	U	3.80	9.20	18.8	ug/kg
12672-29-6	Aroclor-1248	14.4	U	8.70	14.4	18.8	ug/kg
11097-69-1	Aroclor-1254	14.4	U	3.00	14.4	18.8	ug/kg
37324-23-5	Aroclor-1262	9.20	U	5.10	9.20	18.8	ug/kg
11100-14-4	Aroclor-1268	14.4	U	3.80	14.4	18.8	ug/kg
11096-82-5	Aroclor-1260	9.20	U	3.20	9.20	18.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.9		44 - 130		114%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		60 - 125		101%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108644.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 22:49
Operator : YP/AJ
Sample : P5306-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-13-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:55:15 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...	3.706	3.704	189.2E6	116.0E6	21.747	22.873
2) SA Decachlor...	8.775	8.726	126.2E6	78013692	17.274	20.133

Target Compounds

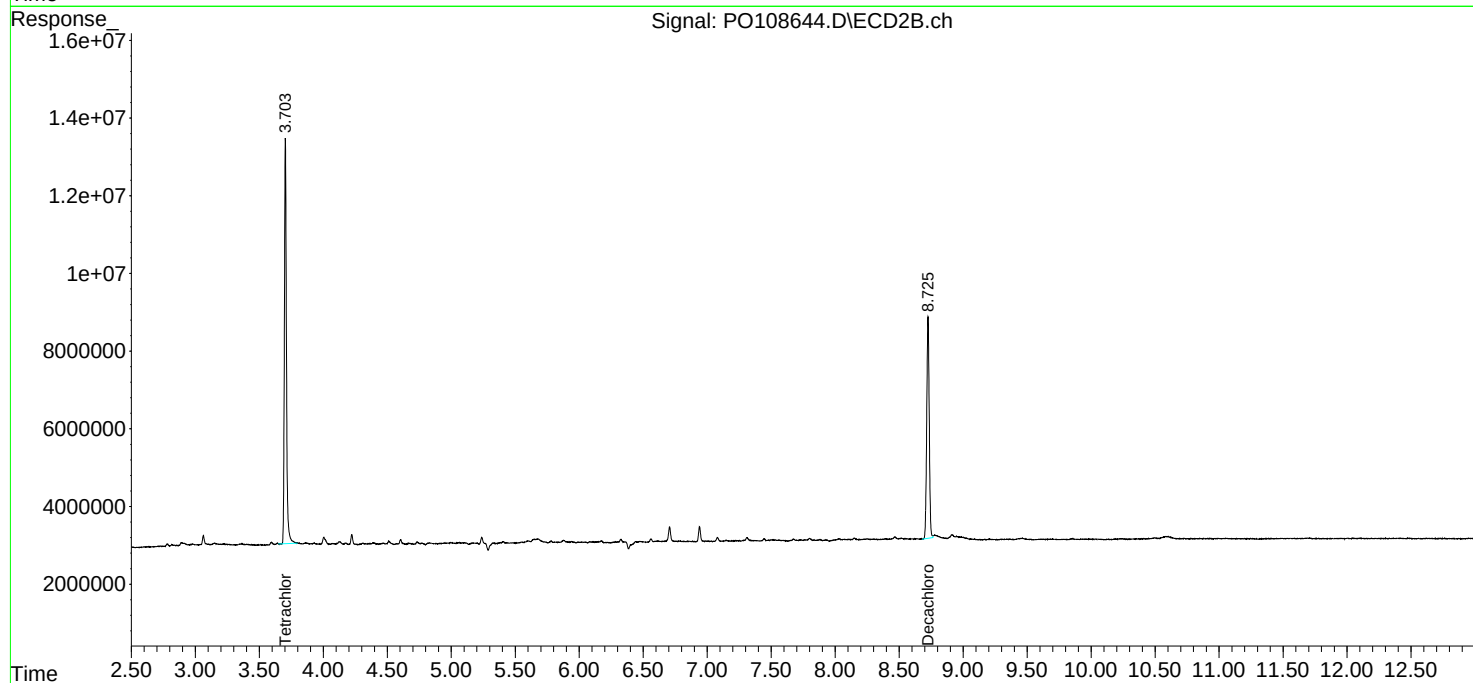
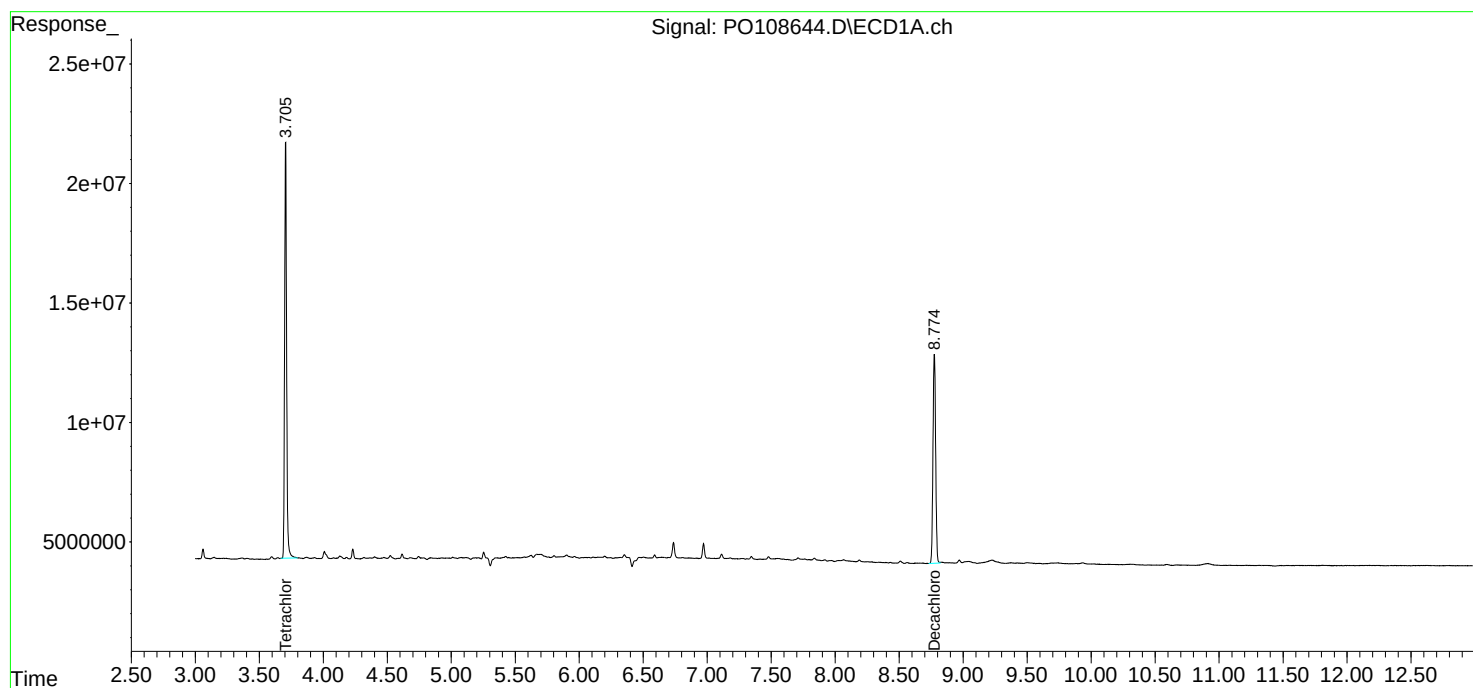
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

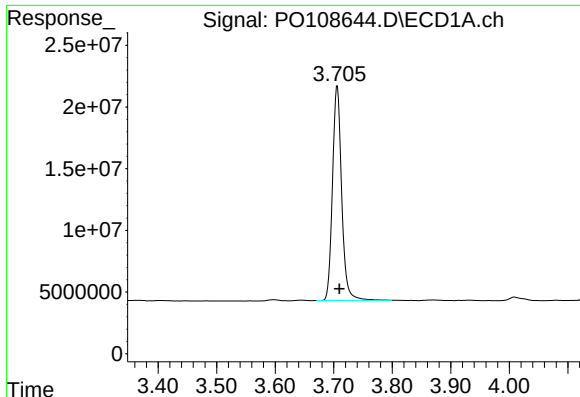
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108644.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 22:49
Operator : YP/AJ
Sample : P5306-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-13-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:55:15 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

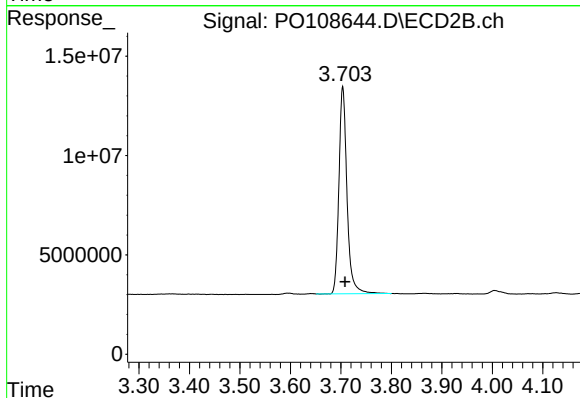




#1 Tetrachloro-m-xylene

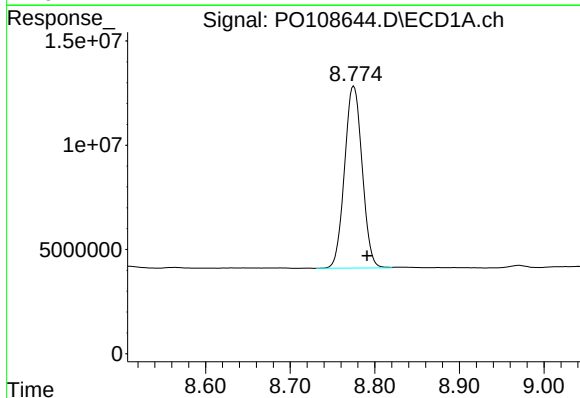
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 189199276
Conc: 21.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-13-121224



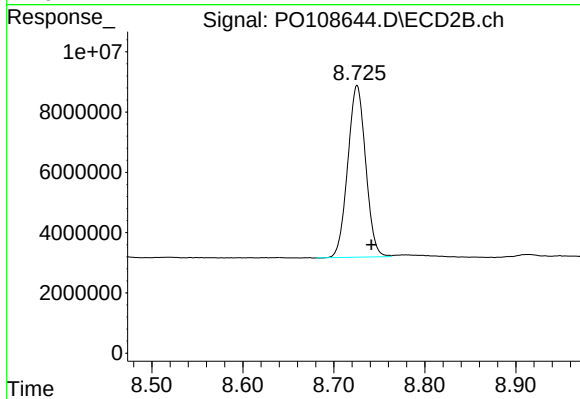
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 115954260
Conc: 22.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 126171350
Conc: 17.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: -0.016 min
Response: 78013692
Conc: 20.13 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	95.9
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108645.D	1	12/18/24 08:10	12/18/24 23:07	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.60	U	3.50	8.60	17.7	ug/kg
11104-28-2	Aroclor-1221	13.5	U	6.70	13.5	17.7	ug/kg
11141-16-5	Aroclor-1232	13.5	U	3.50	13.5	17.7	ug/kg
53469-21-9	Aroclor-1242	8.60	U	3.50	8.60	17.7	ug/kg
12672-29-6	Aroclor-1248	13.5	U	8.20	13.5	17.7	ug/kg
11097-69-1	Aroclor-1254	13.5	U	2.80	13.5	17.7	ug/kg
37324-23-5	Aroclor-1262	8.60	U	4.80	8.60	17.7	ug/kg
11100-14-4	Aroclor-1268	13.5	U	3.60	13.5	17.7	ug/kg
11096-82-5	Aroclor-1260	8.60	U	3.00	8.60	17.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.8		44 - 130		109%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		60 - 125		106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108645.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 23:07
Operator : YP/AJ
Sample : P5306-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-14-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:55:33 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...	3.706	3.704	180.0E6	110.7E6	20.690	21.841
2) SA Decachlor...	8.775	8.724	132.2E6	81846923	18.098	21.122

Target Compounds

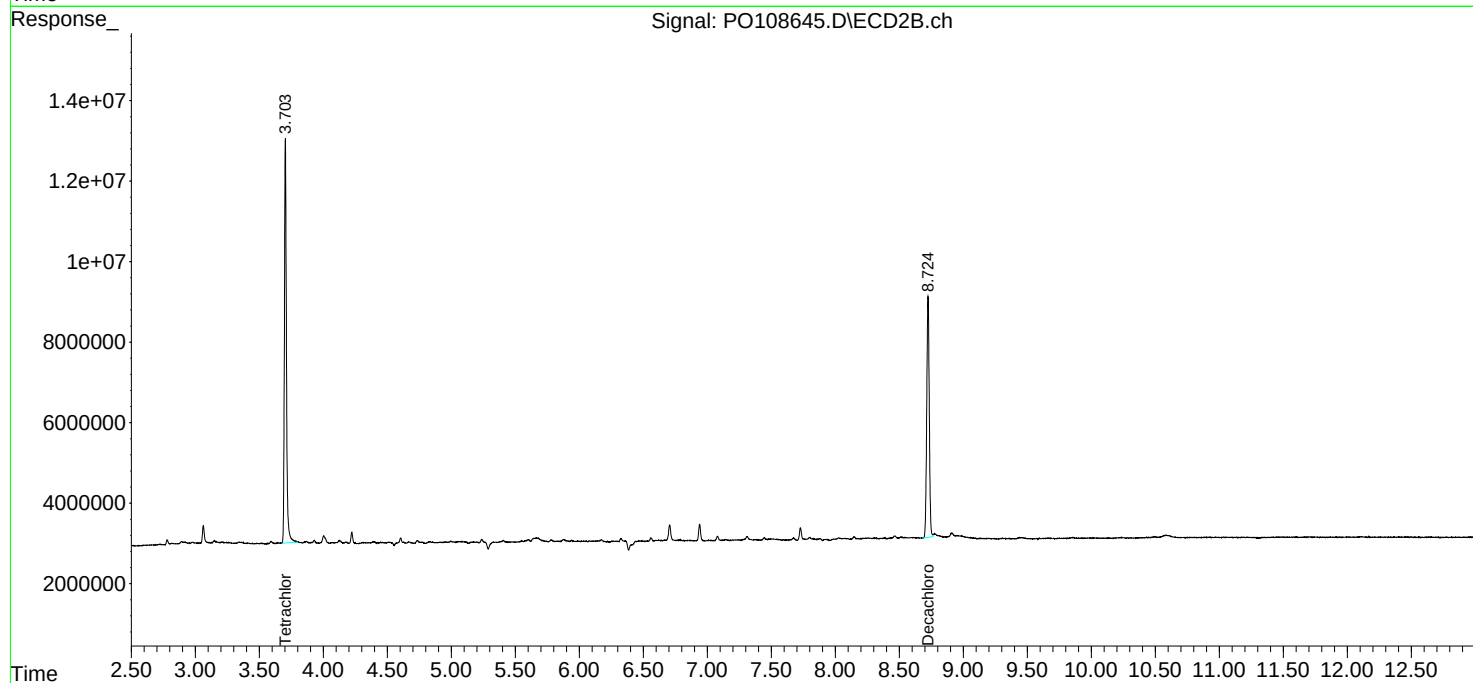
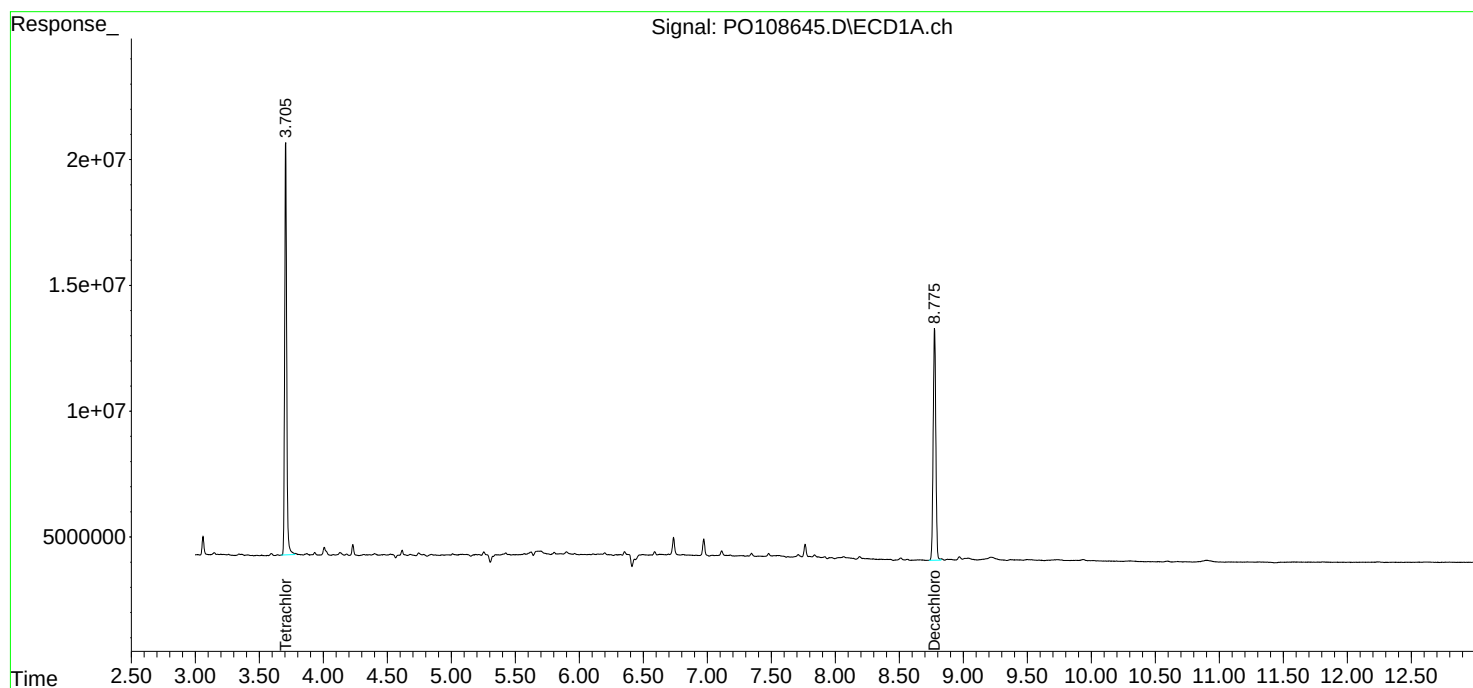
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

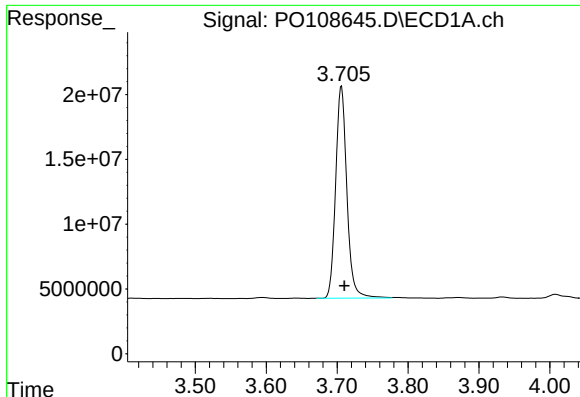
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108645.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 23:07
Operator : YP/AJ
Sample : P5306-15
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-14-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:55:33 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

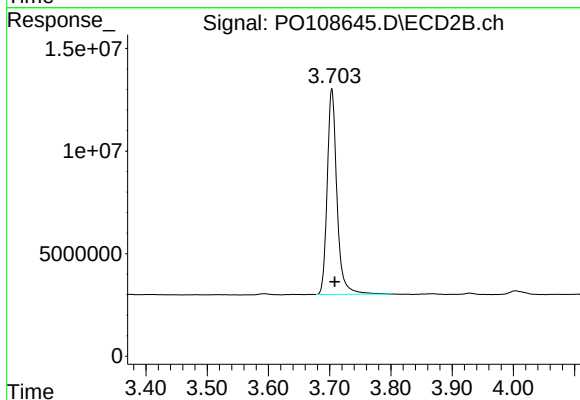




#1 Tetrachloro-m-xylene

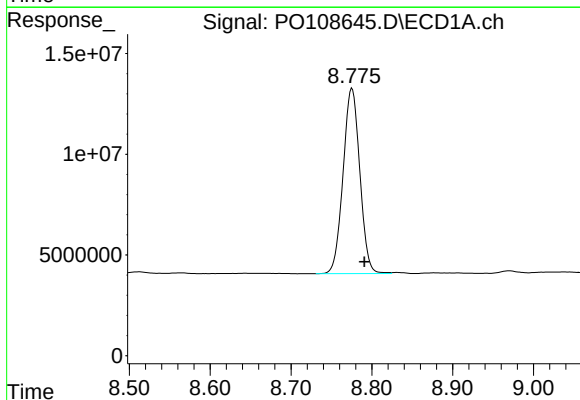
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 180001820
Conc: 20.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-14-121224



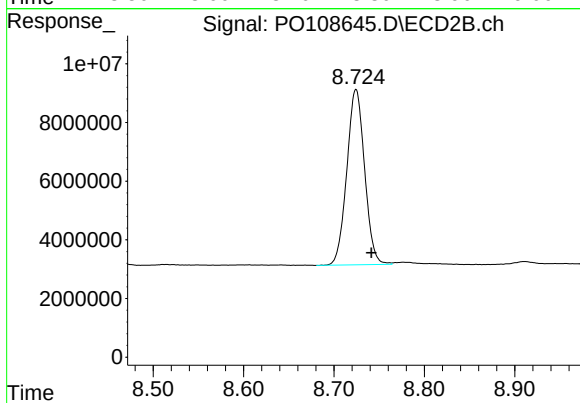
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 110721624
Conc: 21.84 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.015 min
Response: 132191586
Conc: 18.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.724 min
Delta R.T.: -0.017 min
Response: 81846923
Conc: 21.12 ng/ml



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: NOBI03
Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306
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: NOBI03
Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306
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 = <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)	4.80	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

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306
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: NOBI03
Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306
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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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

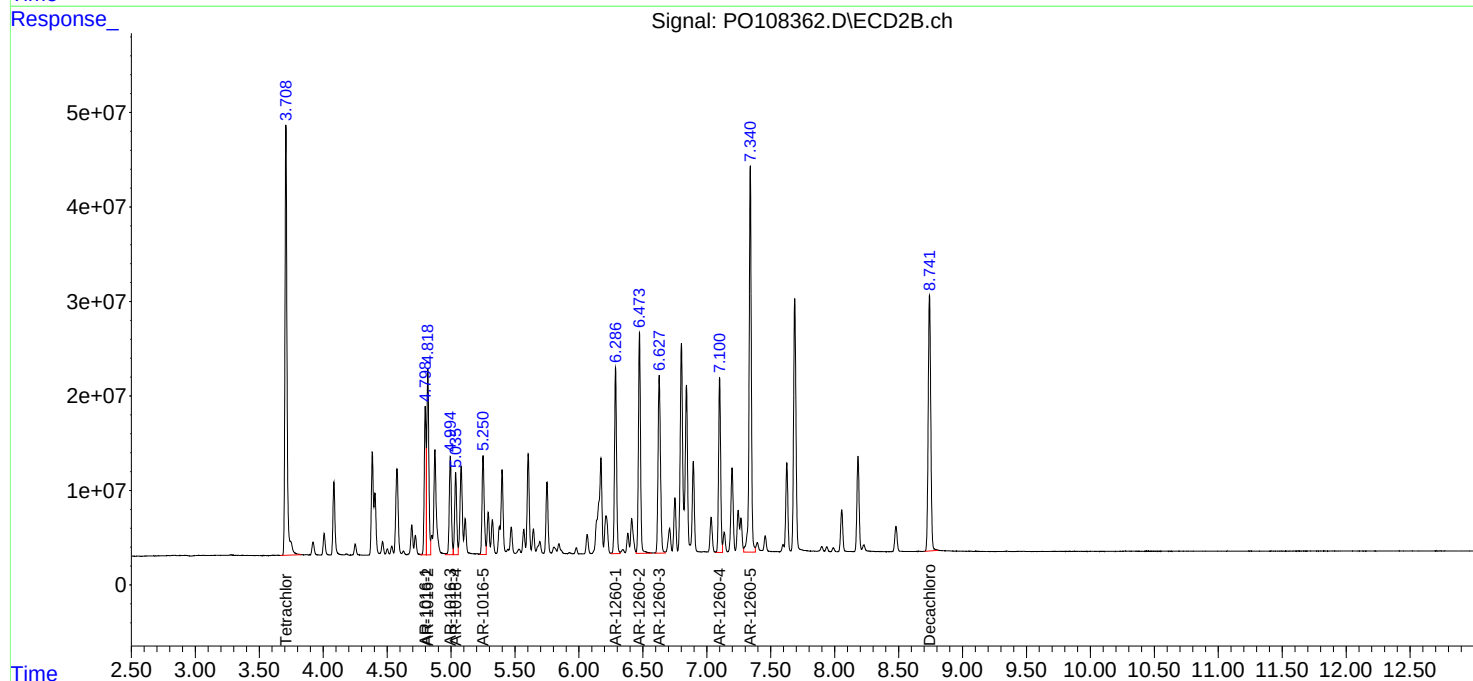
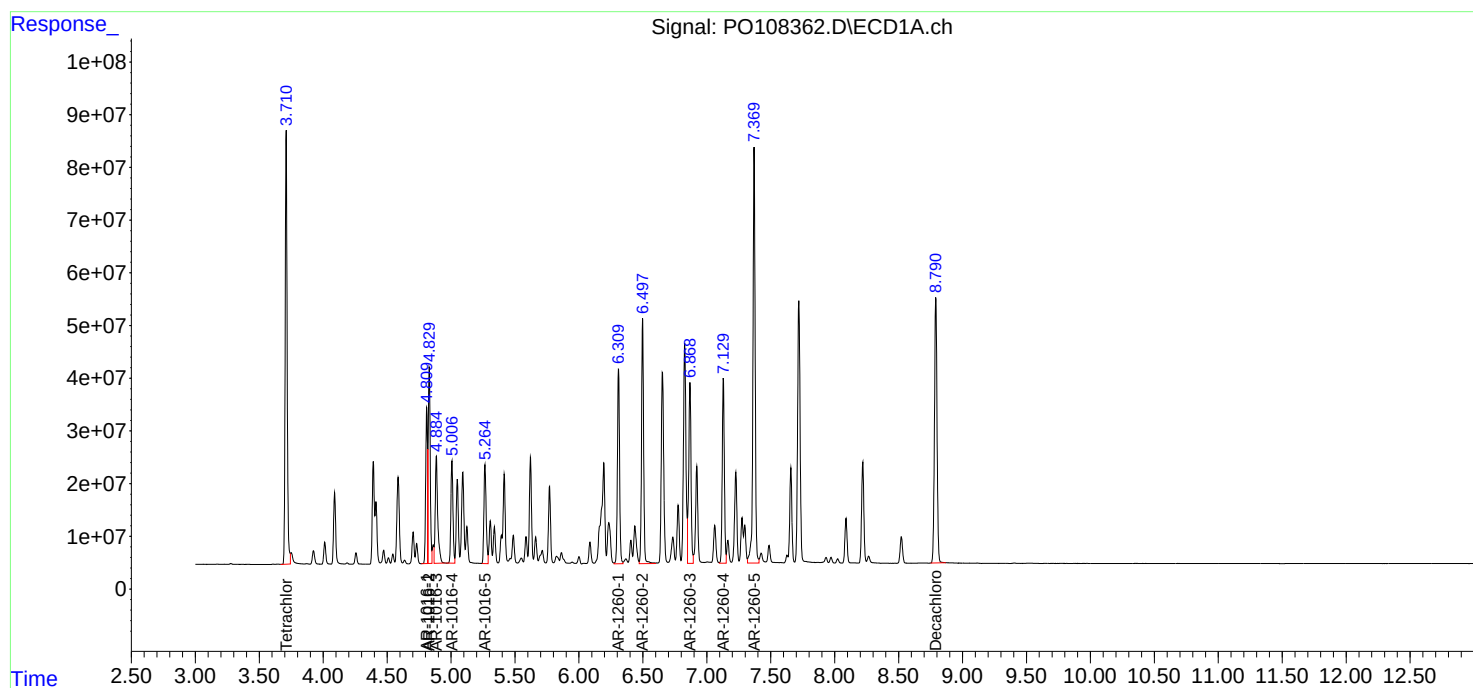
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

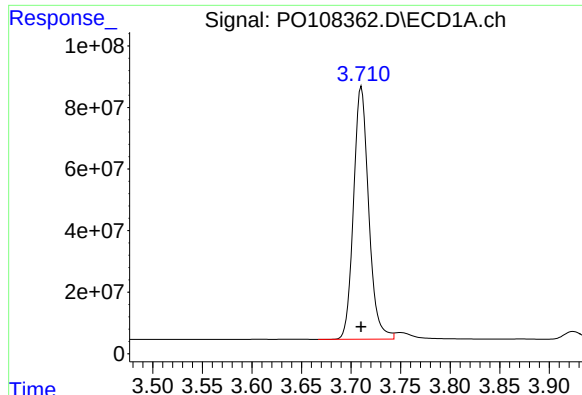
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:19
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

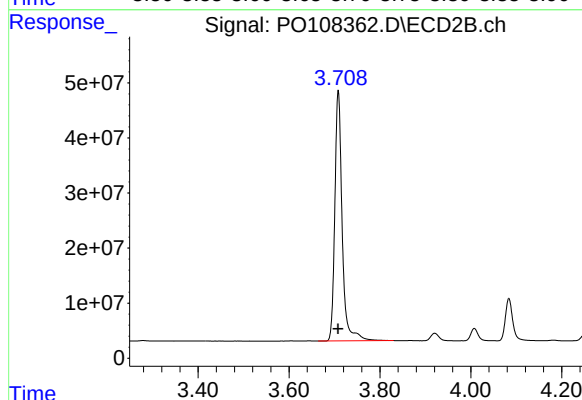




#1 Tetrachloro-m-xylene

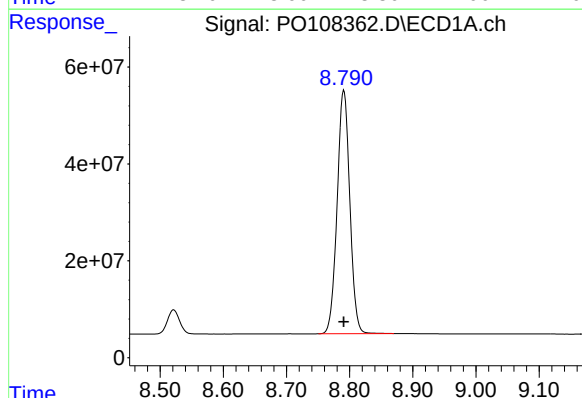
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 875455438
Conc: 98.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



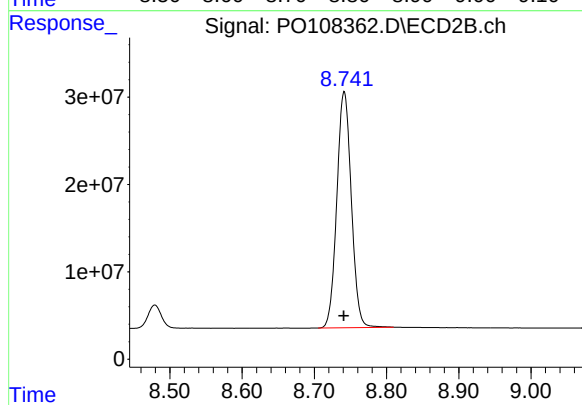
#1 Tetrachloro-m-xylene

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



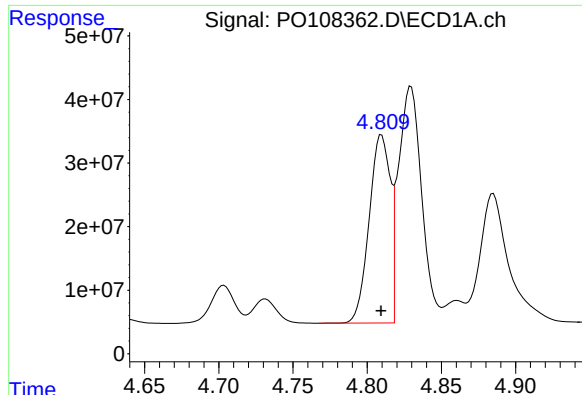
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

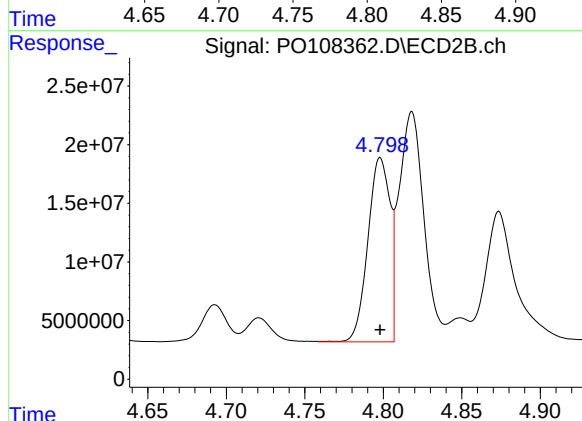
R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 376644277
Conc: 95.94 ng/ml



#3 AR-1016-1

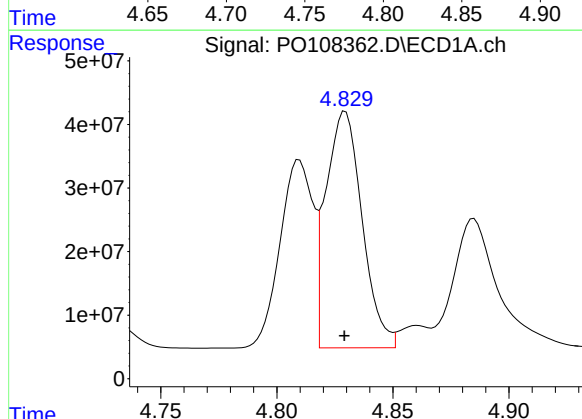
R.T.: 4.810 min
Delta R.T.: 0.000 min
Response: 291946997
Conc: 939.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



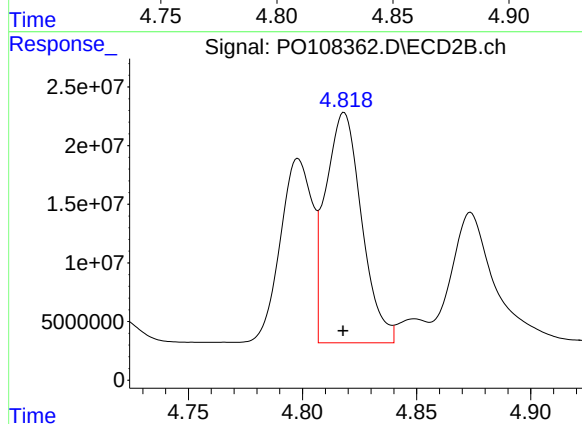
#3 AR-1016-1

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



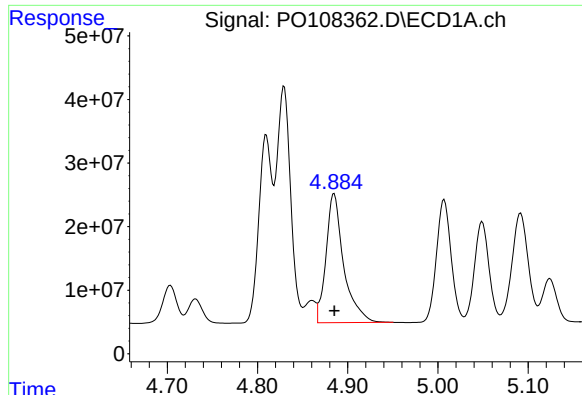
#4 AR-1016-2

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



#4 AR-1016-2

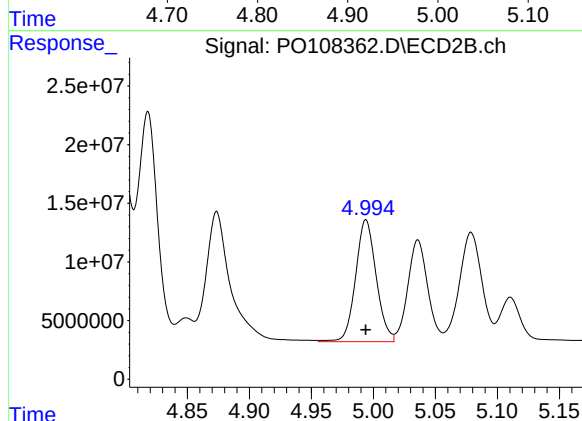
R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 216342839
Conc: 962.69 ng/ml



#5 AR-1016-3

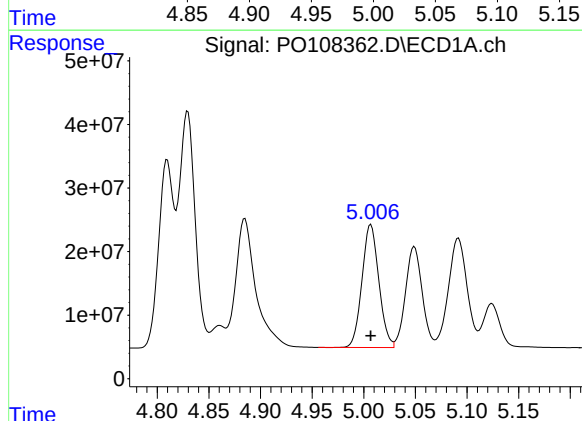
R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 276313882
Conc: 935.98 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



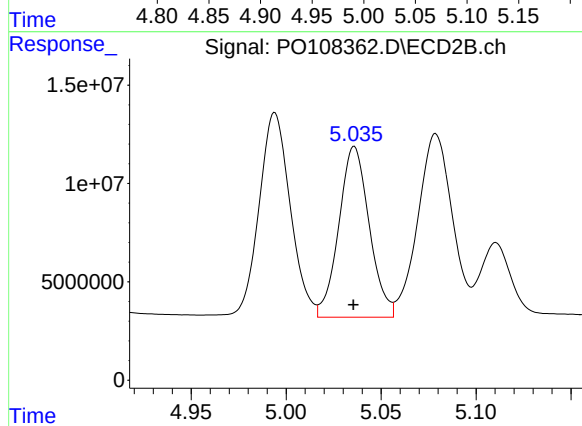
#5 AR-1016-3

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



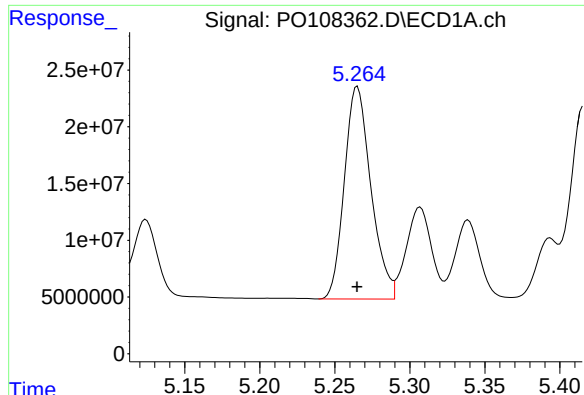
#6 AR-1016-4

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



#6 AR-1016-4

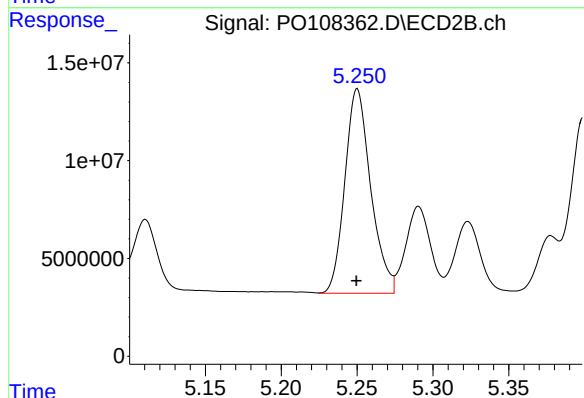
R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 96843518
Conc: 913.06 ng/ml



#7 AR-1016-5

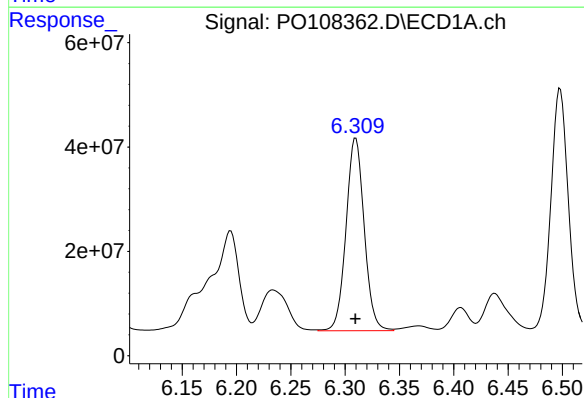
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 230837381
Conc: 926.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



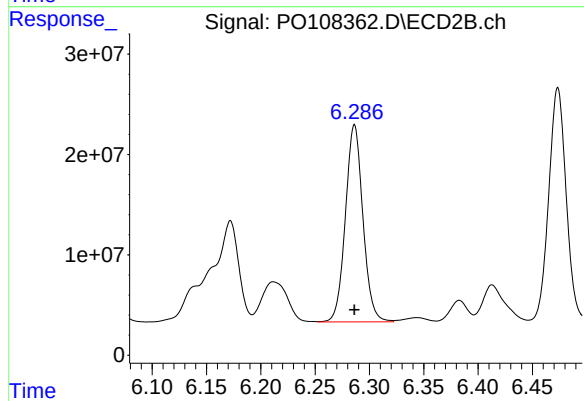
#7 AR-1016-5

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



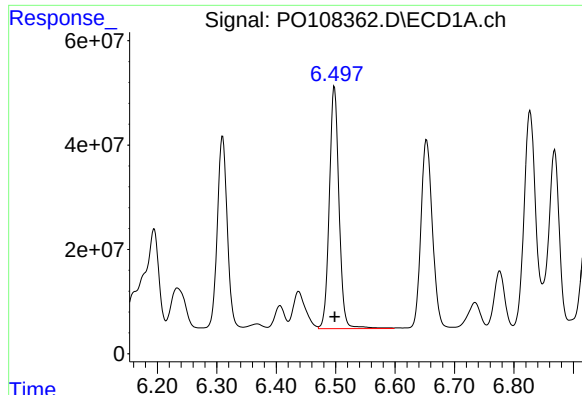
#31 AR-1260-1

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



#31 AR-1260-1

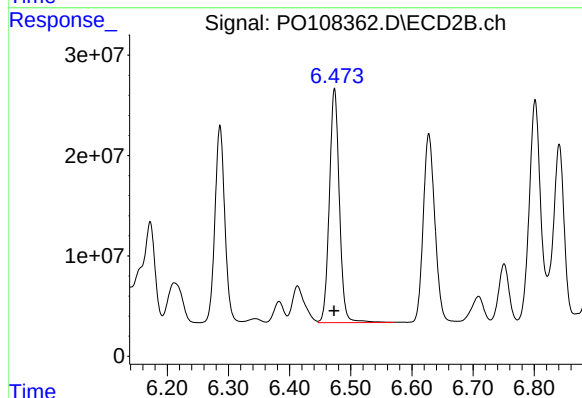
R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 220557751
Conc: 945.09 ng/ml



#32 AR-1260-2

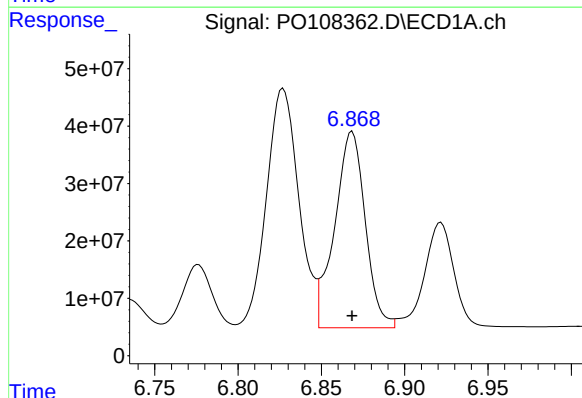
R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 526959551
Conc: 948.17 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



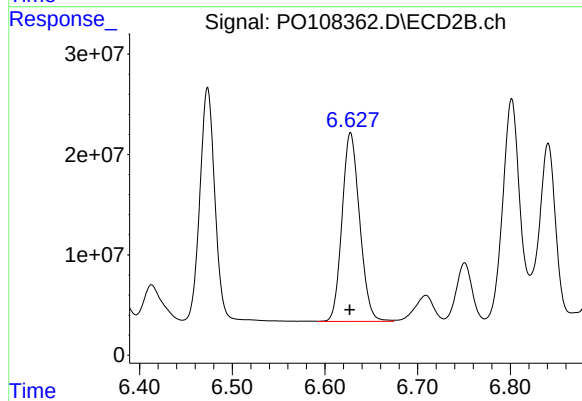
#32 AR-1260-2

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



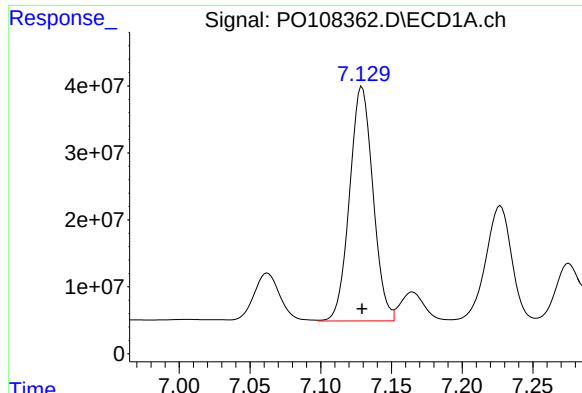
#33 AR-1260-3

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



#33 AR-1260-3

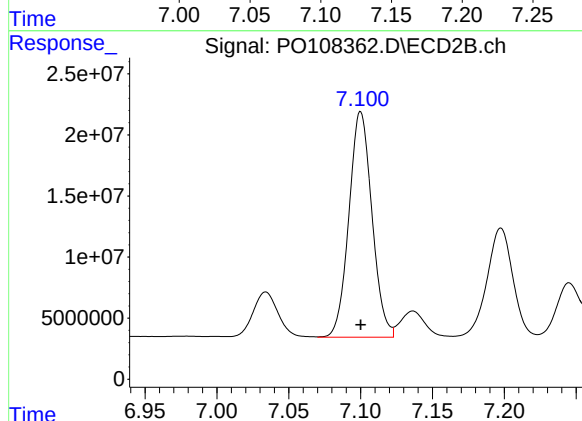
R.T.: 6.628 min
Delta R.T.: 0.000 min
Response: 247895049
Conc: 957.18 ng/ml



#34 AR-1260-4

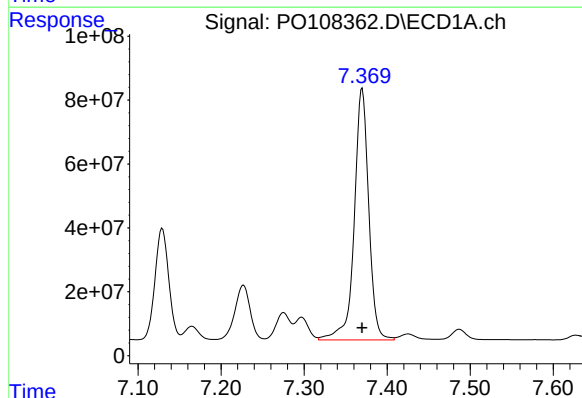
R.T.: 7.129 min
Delta R.T.: 0.000 min
Response: 403312630
Conc: 945.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC1000



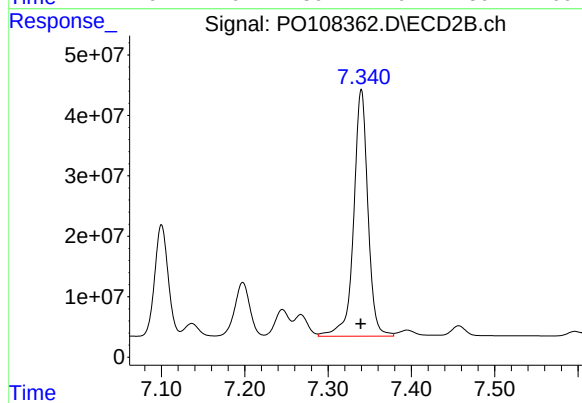
#34 AR-1260-4

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



#35 AR-1260-5

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



#35 AR-1260-5

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

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

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

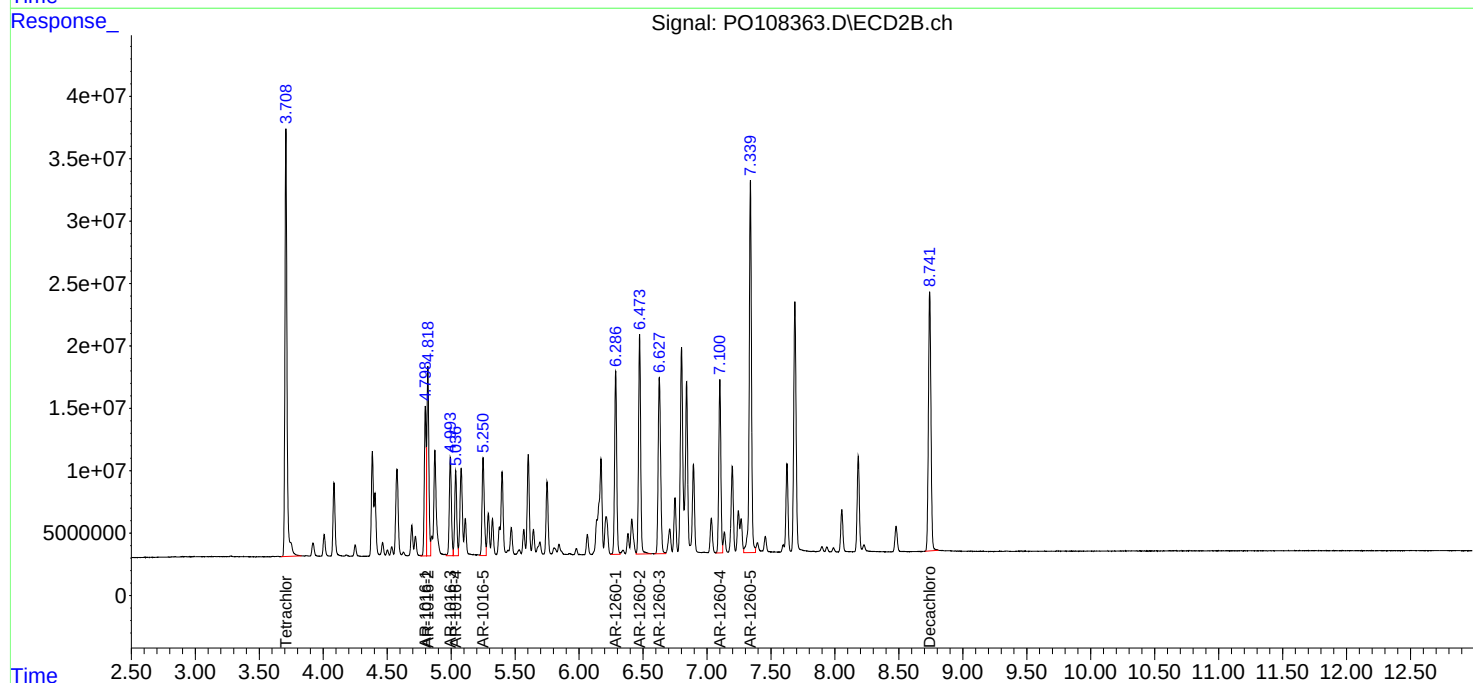
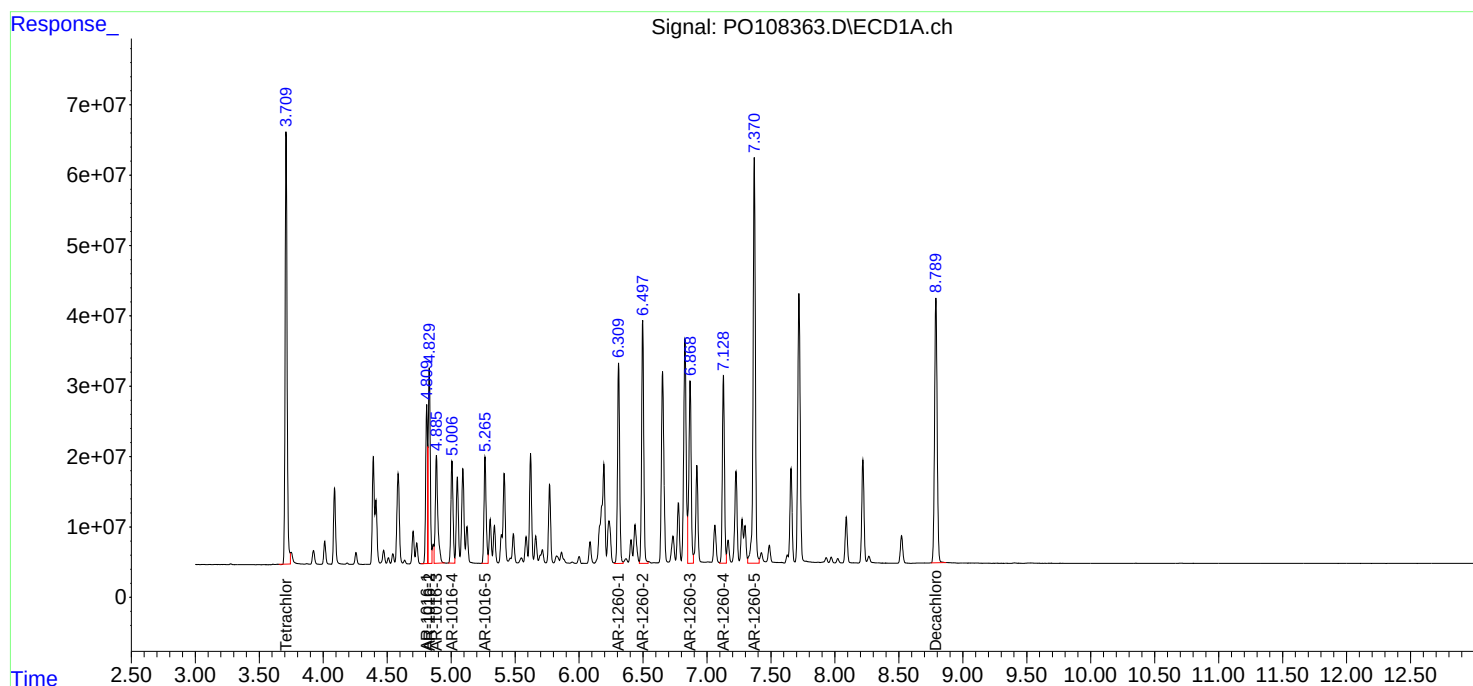
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

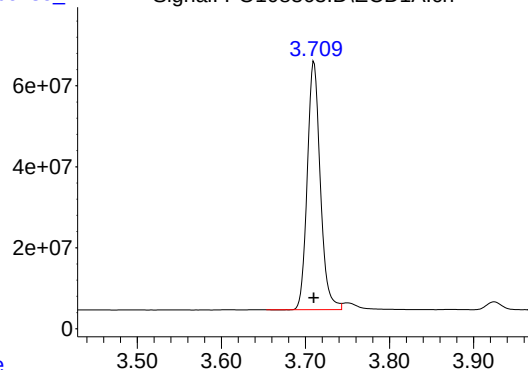
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



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

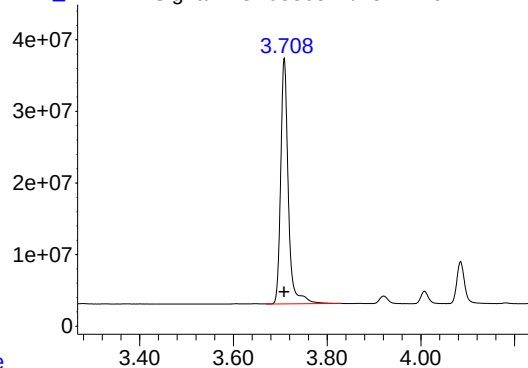
Instrument :
ECD_O
ClientSampleId :
AR1660ICC750

Time

Response_

Signal: PO108363.D\ECD2B.ch

#1 Tetrachloro-m-xylene



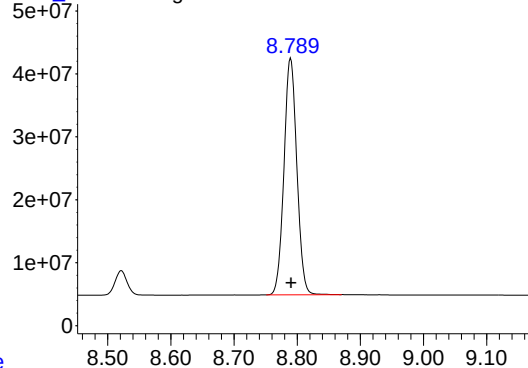
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 386821053
Conc: 73.99 ng/ml

Time

Response_

Signal: PO108363.D\ECD1A.ch

#2 Decachlorobiphenyl



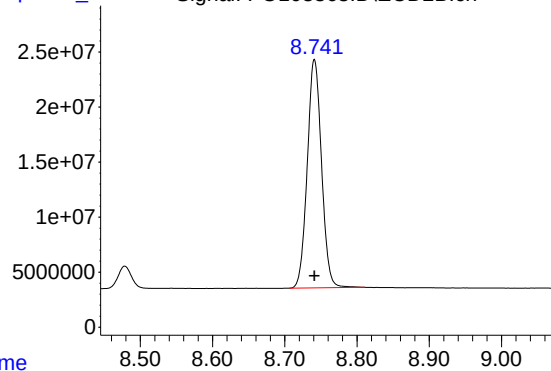
R.T.: 8.790 min
Delta R.T.: -0.001 min
Response: 532670982
Conc: 72.54 ng/ml

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

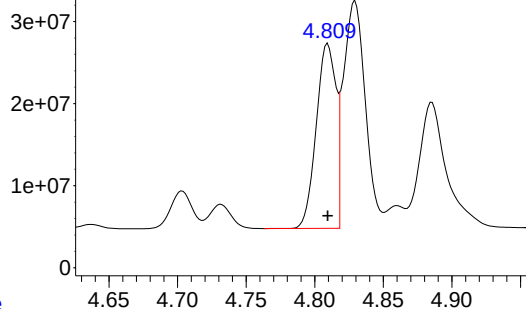
Conc: 718.91 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1660ICC750



Time

Response_

Signal: PO108363.D\ECD2B.ch

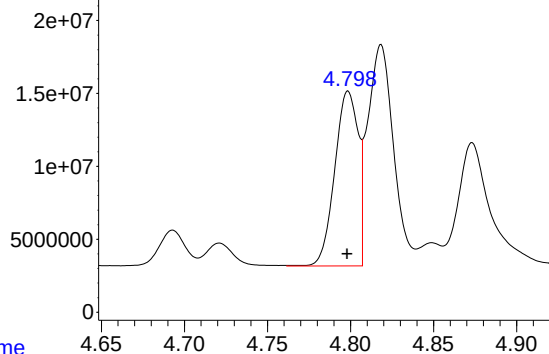
#3 AR-1016-1

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

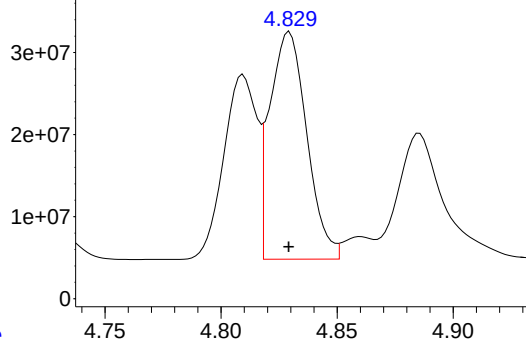
#4 AR-1016-2

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

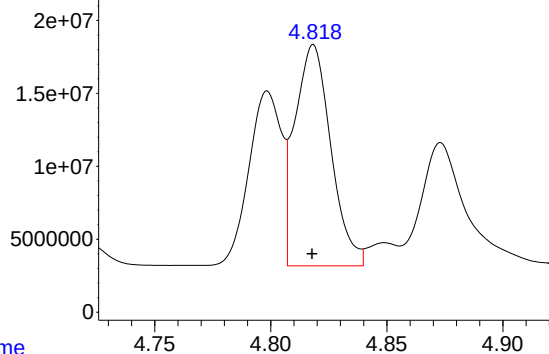
#4 AR-1016-2

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

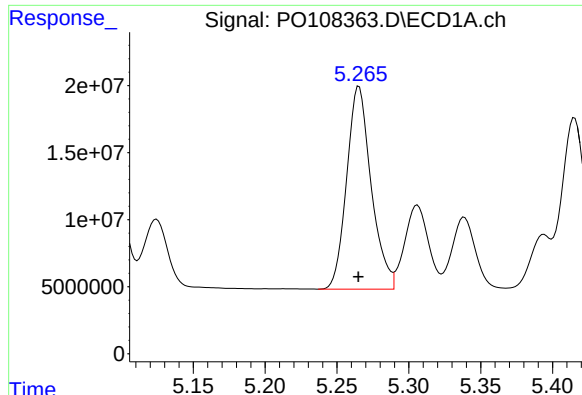
Time

Response_

Signal: PO108363.D\ECD2B.ch

#6 AR-1016-4

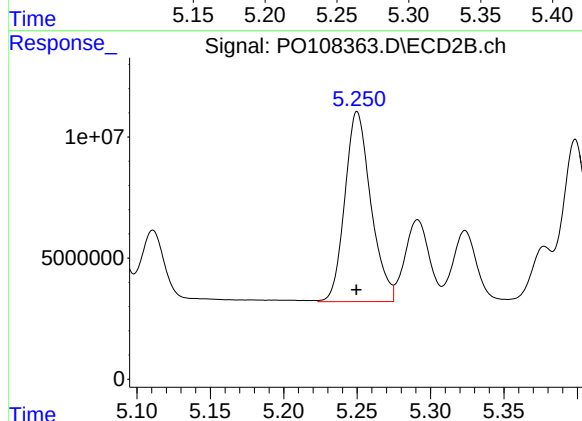
R.T.: 5.036 min
Delta R.T.: 0.000 min
Response: 75545960
Conc: 712.26 ng/ml



#7 AR-1016-5

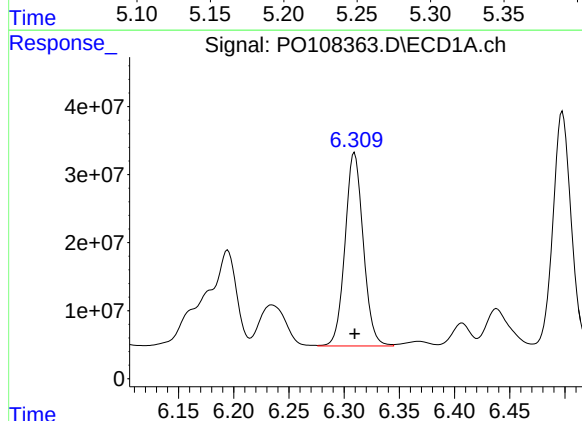
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 178926693
Conc: 717.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC750



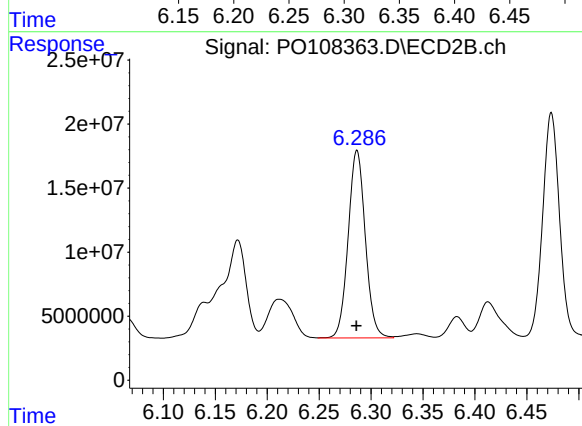
#7 AR-1016-5

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

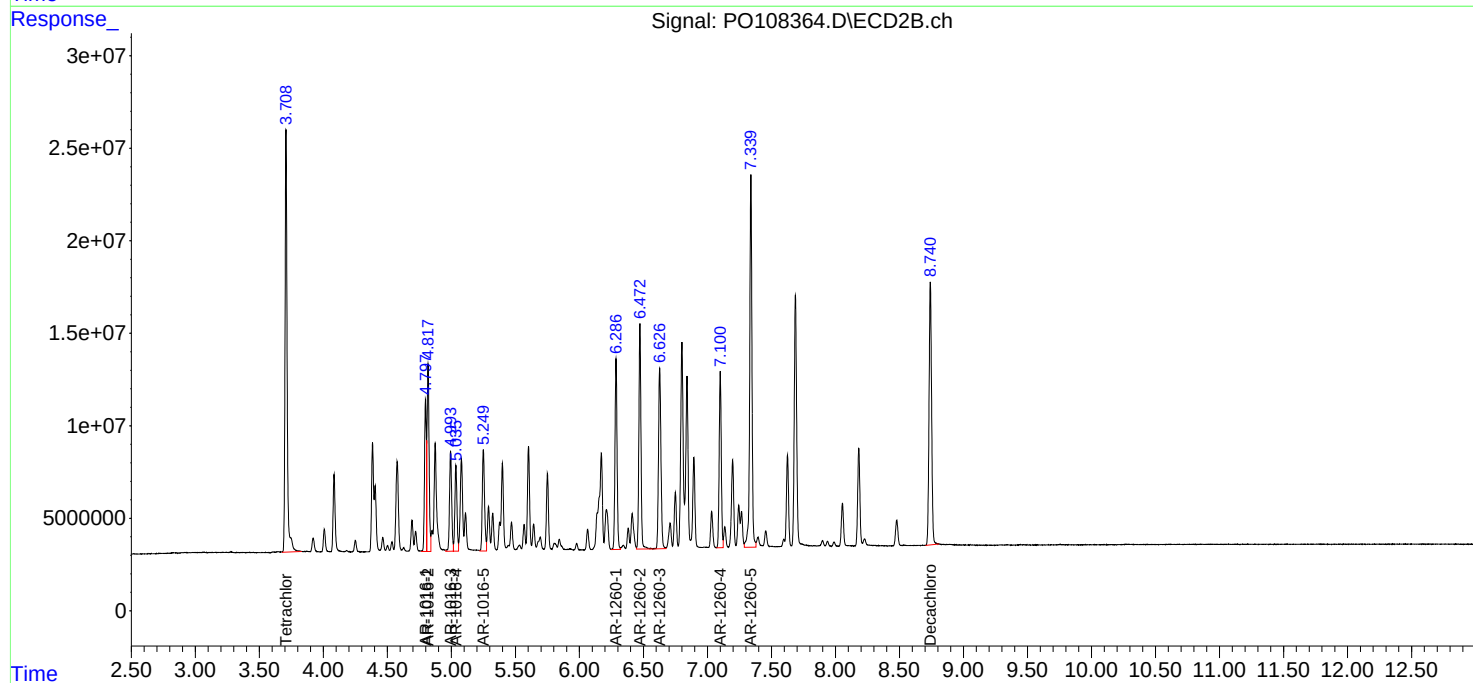
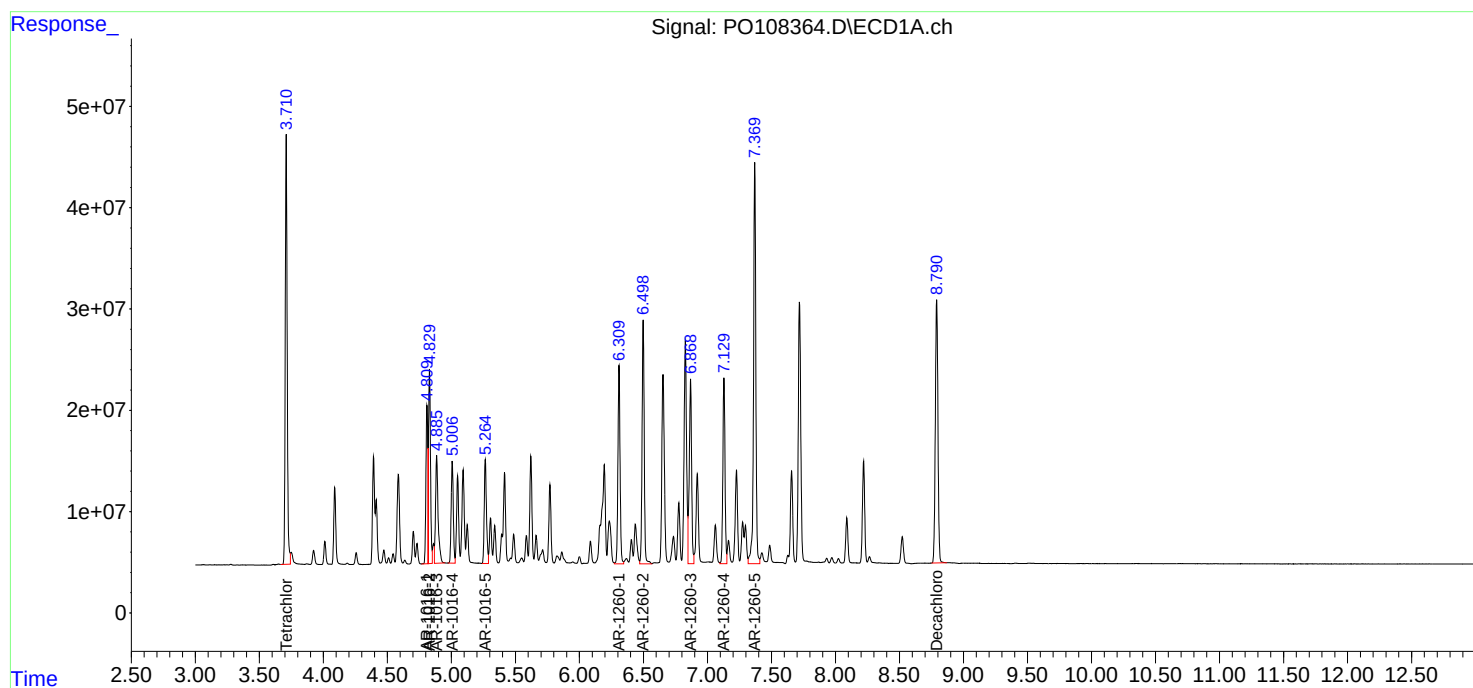
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

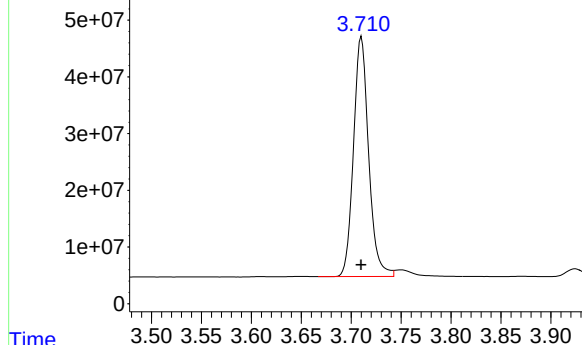


Response_ Signal: PO108364.D\ECD1A.ch

#1 Tetrachloro-m-xylene

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

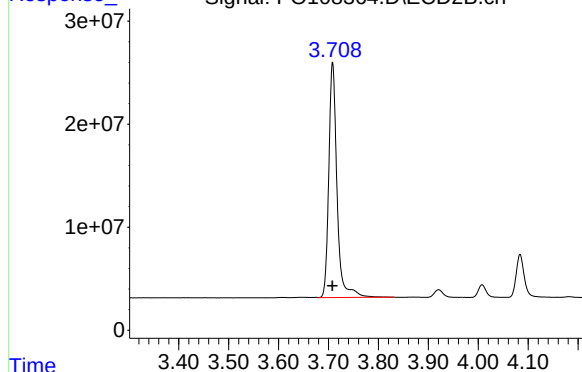
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



Time Response_ Signal: PO108364.D\ECD2B.ch

#1 Tetrachloro-m-xylene

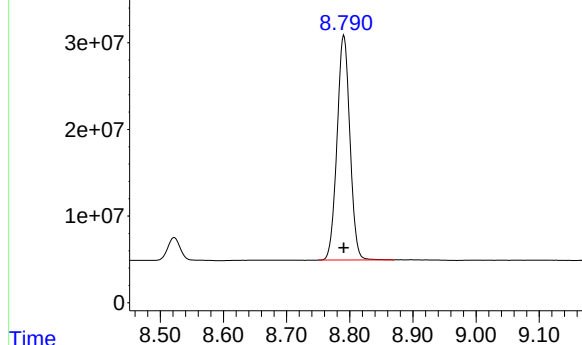
R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 261388959
Conc: 50.00 ng/ml



Time Response_ Signal: PO108364.D\ECD1A.ch

#2 Decachlorobiphenyl

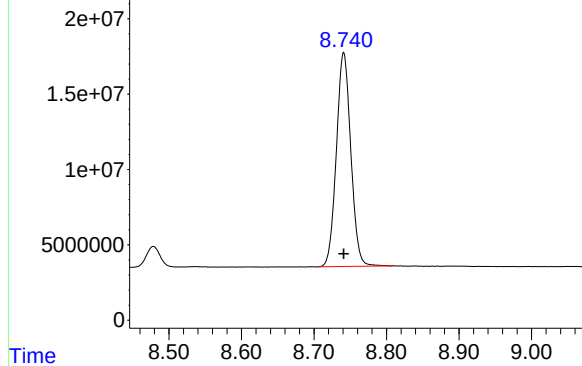
R.T.: 8.791 min
Delta R.T.: 0.000 min
Response: 367159762
Conc: 50.00 ng/ml



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

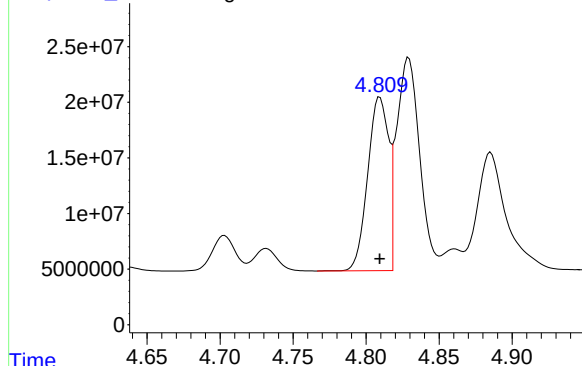


Response_ Signal: PO108364.D\ECD1A.ch

#3 AR-1016-1

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

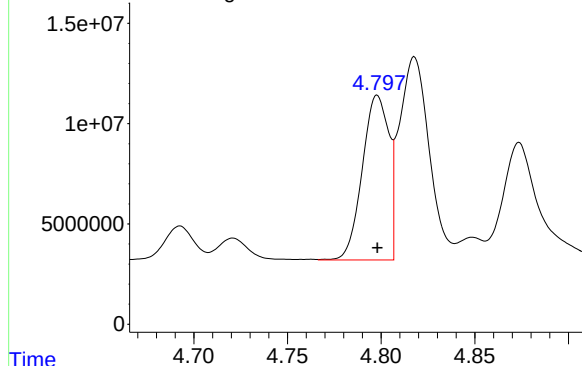
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



Time Response_ Signal: PO108364.D\ECD2B.ch

#3 AR-1016-1

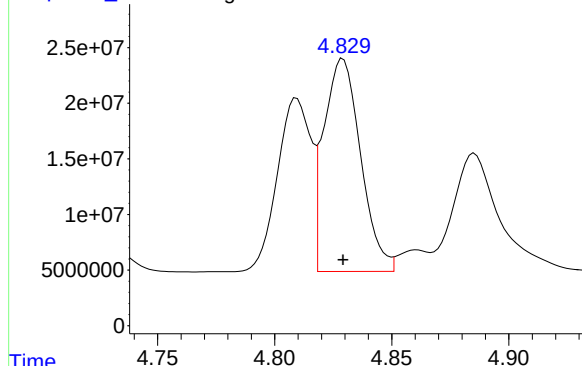
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 80990528
Conc: 500.00 ng/ml



Time Response_ Signal: PO108364.D\ECD1A.ch

#4 AR-1016-2

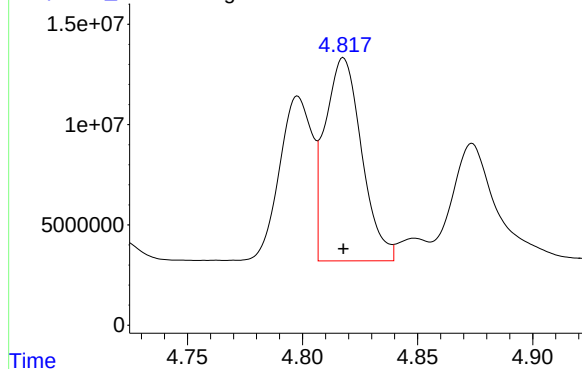
R.T.: 4.829 min
Delta R.T.: 0.000 min
Response: 209543079
Conc: 500.00 ng/ml



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

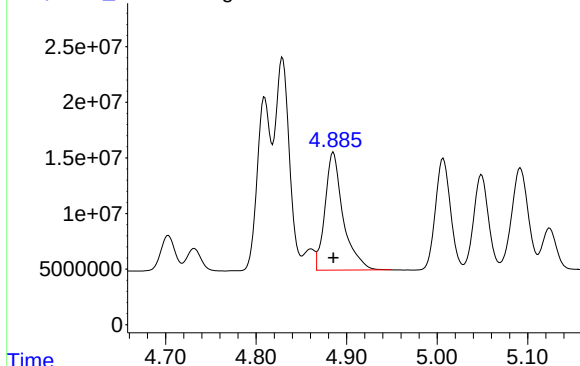


Response_ Signal: PO108364.D\ECD1A.ch

#5 AR-1016-3

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

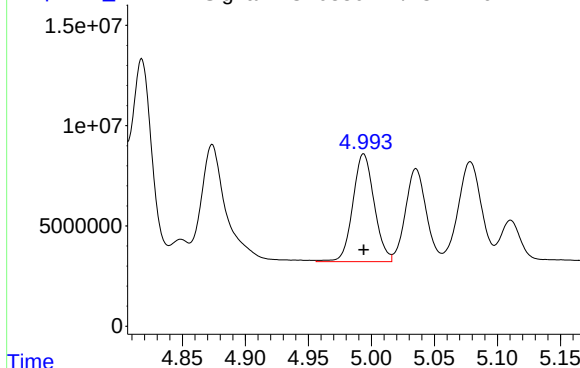
Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



Time Response_ Signal: PO108364.D\ECD2B.ch

#5 AR-1016-3

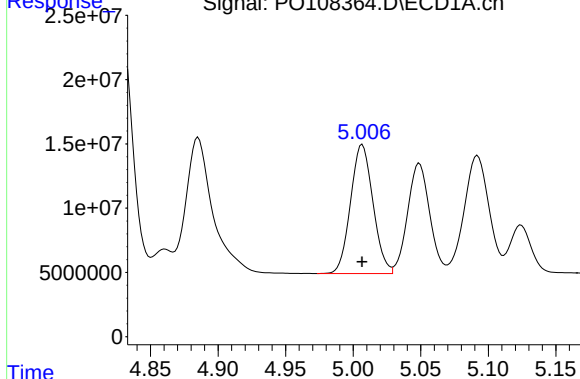
R.T.: 4.994 min
Delta R.T.: 0.000 min
Response: 63492232
Conc: 500.00 ng/ml



Time Response_ Signal: PO108364.D\ECD1A.ch

#6 AR-1016-4

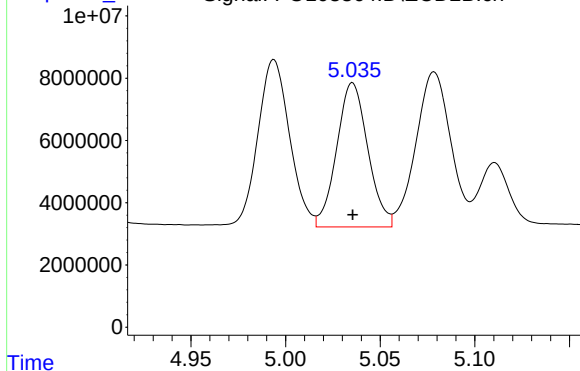
R.T.: 5.007 min
Delta R.T.: 0.000 min
Response: 115977552
Conc: 500.00 ng/ml

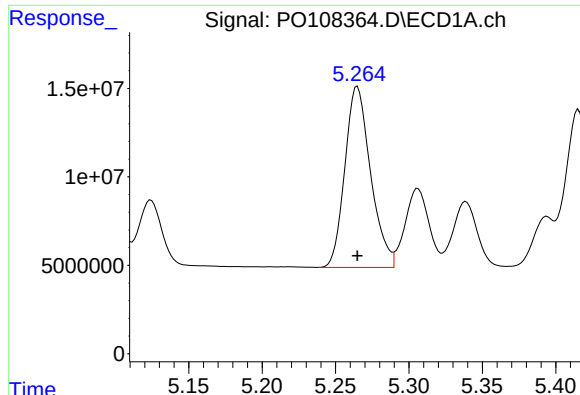


Time Response_ Signal: PO108364.D\ECD2B.ch

#6 AR-1016-4

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

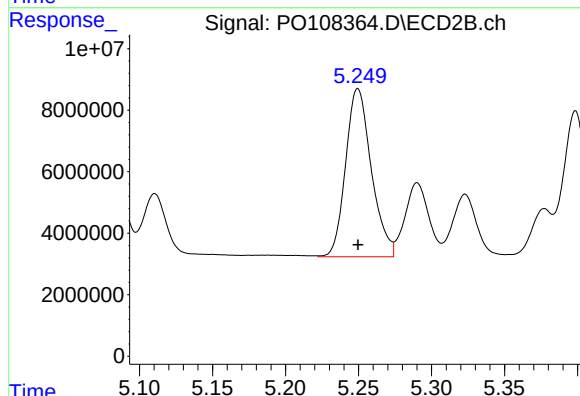




#7 AR-1016-5

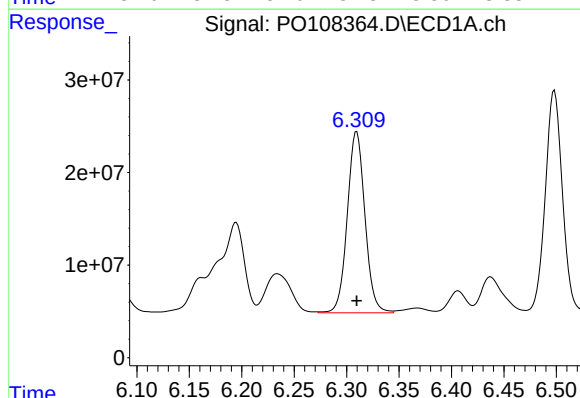
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 124638361
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500



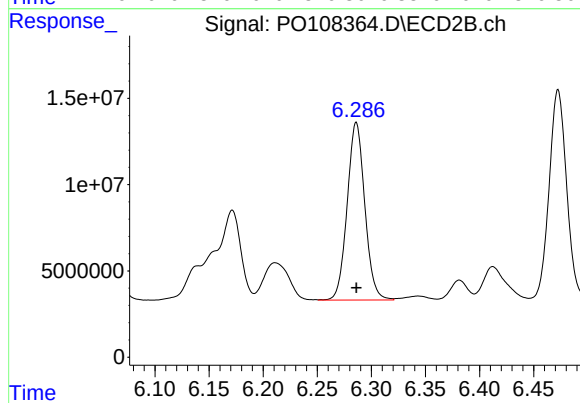
#7 AR-1016-5

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

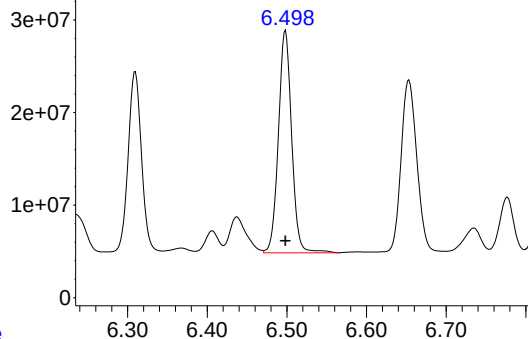
Response_

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



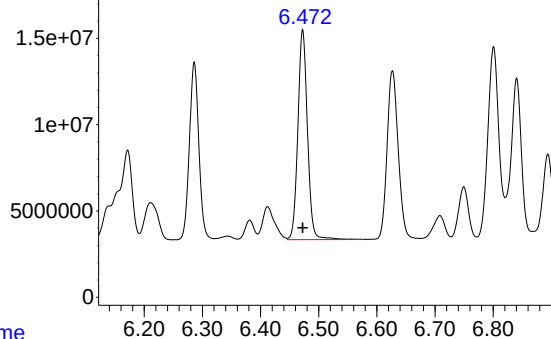
Time

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



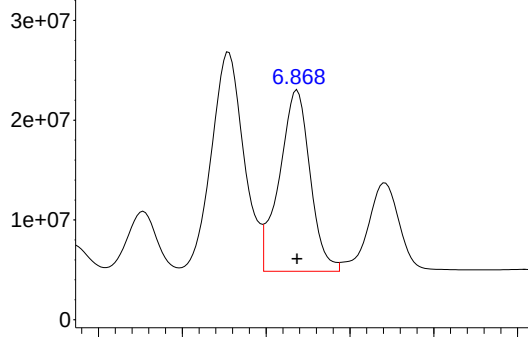
Time

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



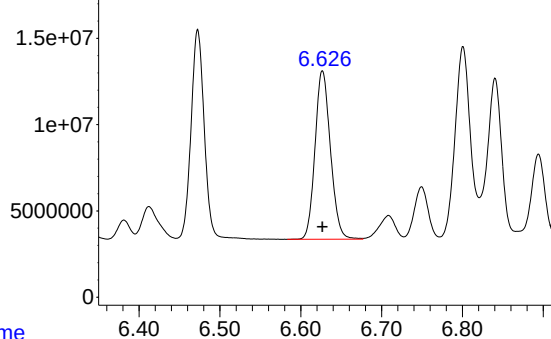
Time

Response_

Signal: PO108364.D\ECD2B.ch

#33 AR-1260-3

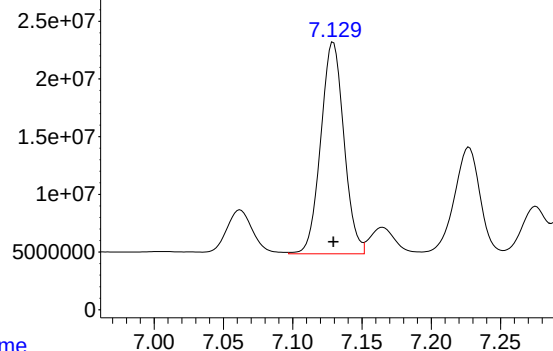
R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 129492754
Conc: 500.00 ng/ml



Time

Response_ Signal: PO108364.D\ECD1A.ch

#34 AR-1260-4

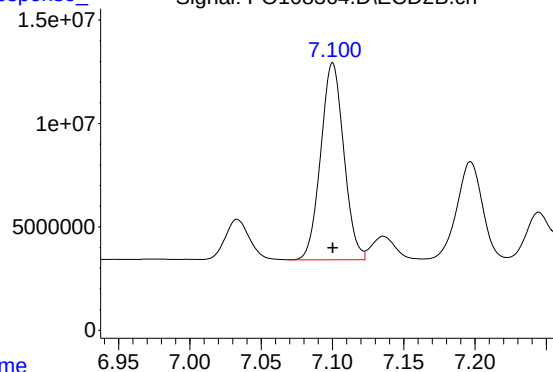


R.T.: 7.129 min
Delta R.T.: 0.000 min
Response: 213236445
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC500

Time Response_ Signal: PO108364.D\ECD2B.ch

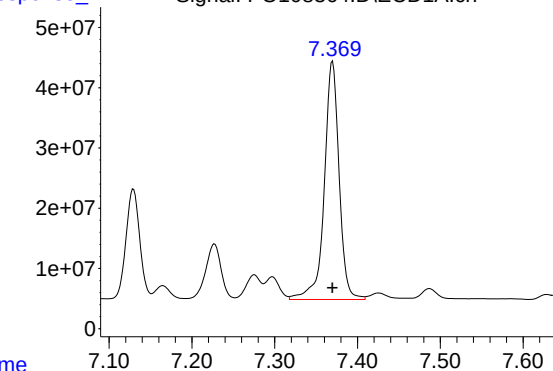
#34 AR-1260-4



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

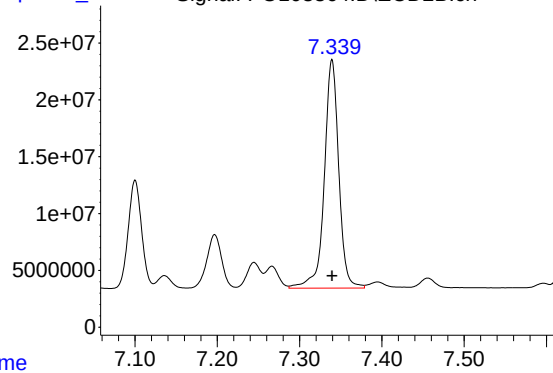
#35 AR-1260-5



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

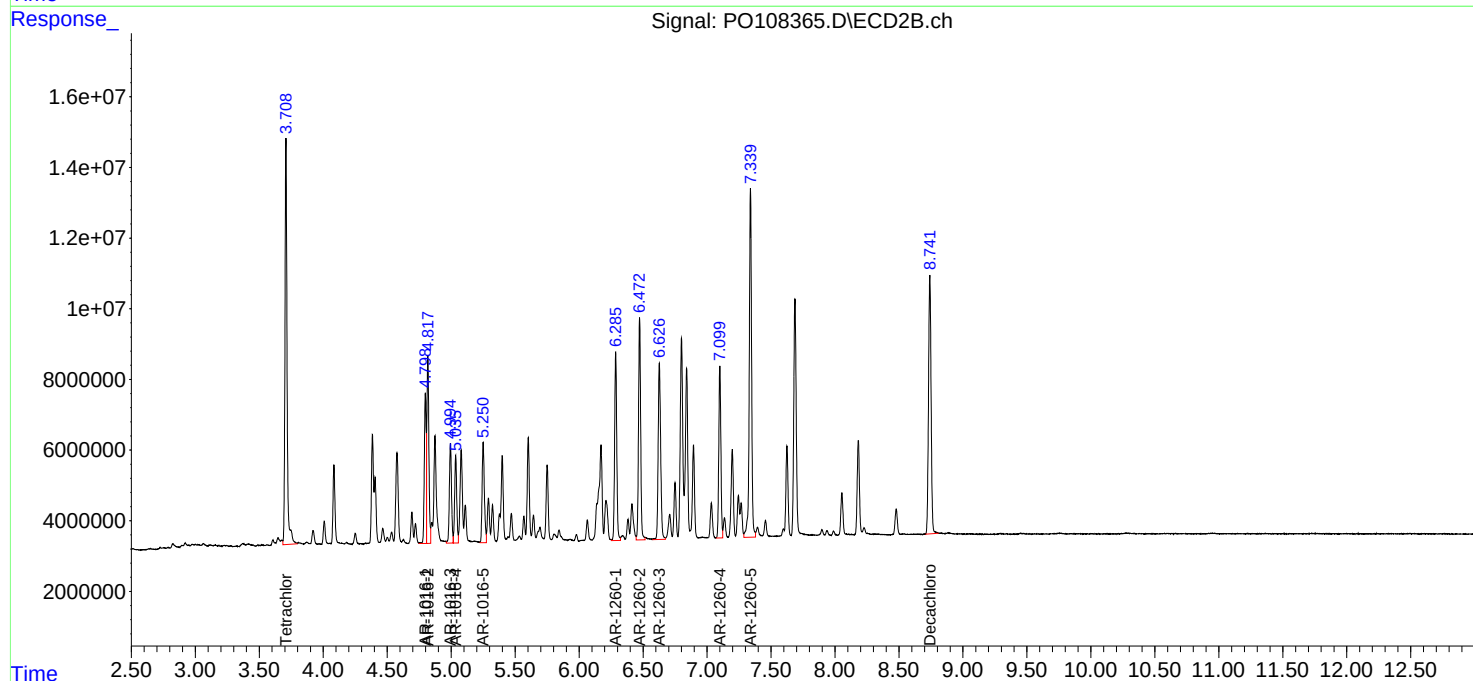
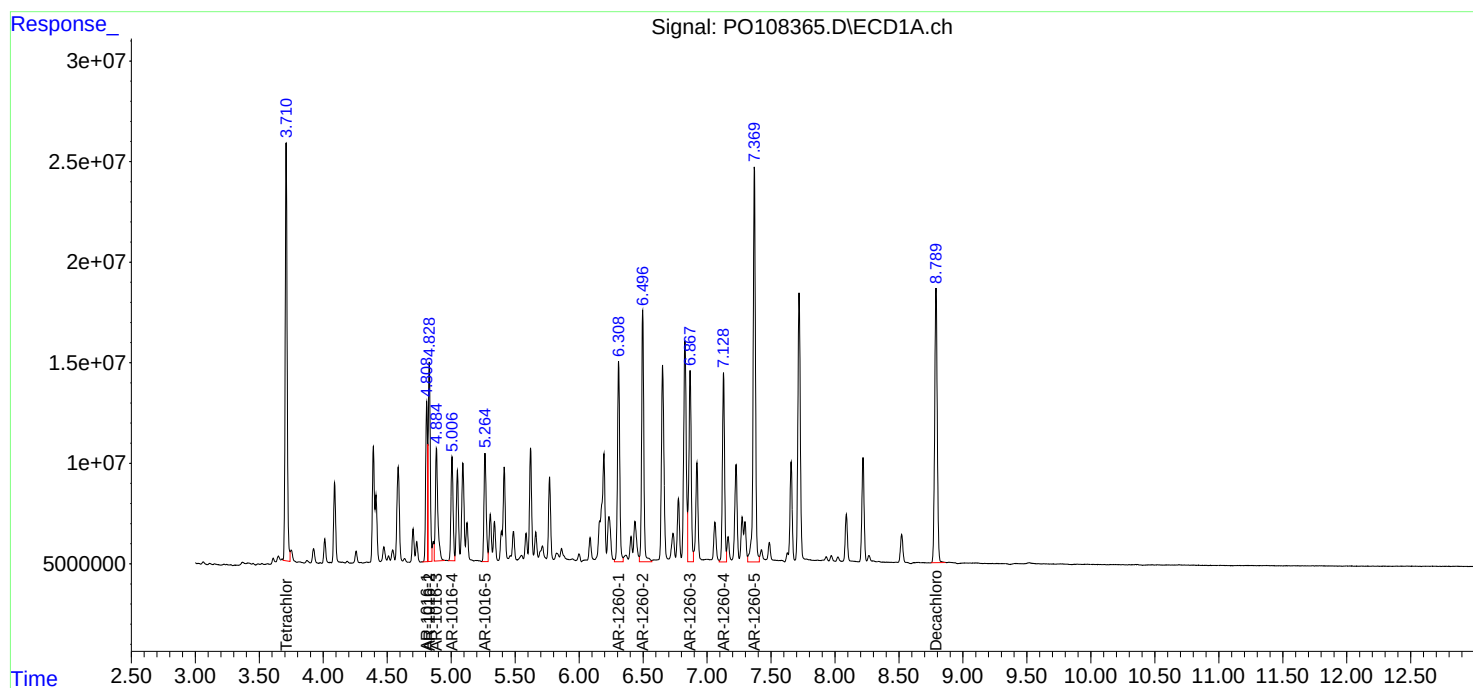
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

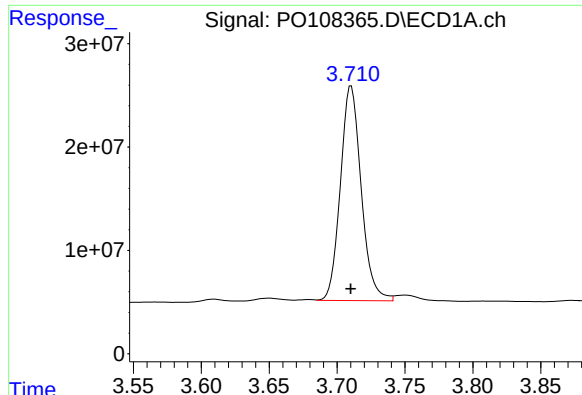
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:14
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

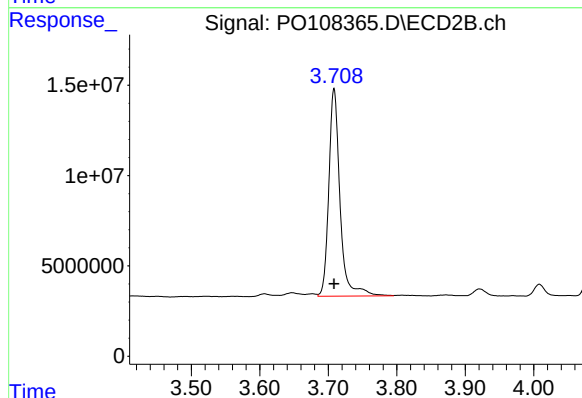




#1 Tetrachloro-m-xylene

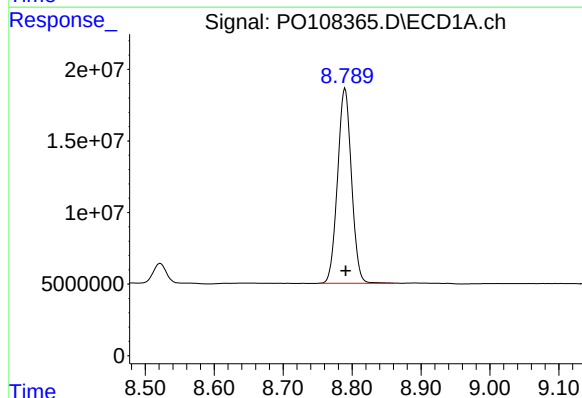
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 221458828
Conc: 24.81 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



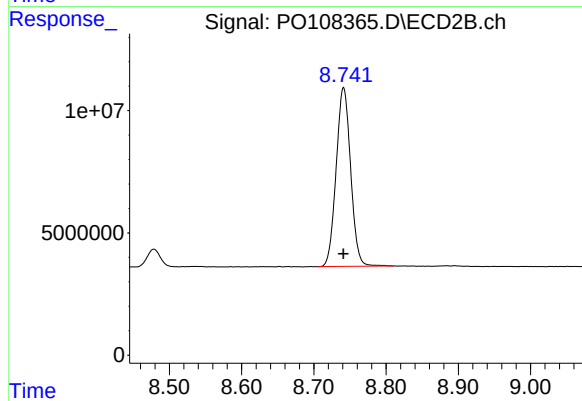
#1 Tetrachloro-m-xylene

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

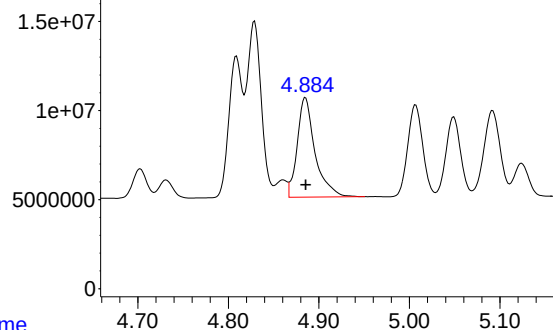
#4 AR-1016-2

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

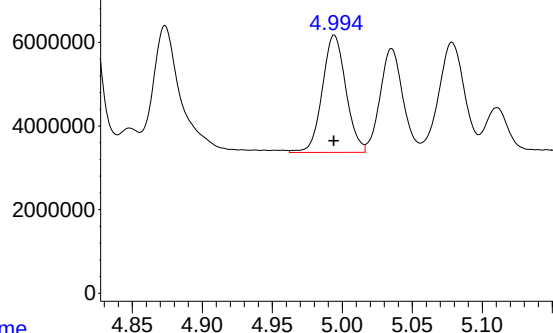


R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 76251356
Conc: 258.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Time Response_ Signal: PO108365.D\ECD2B.ch

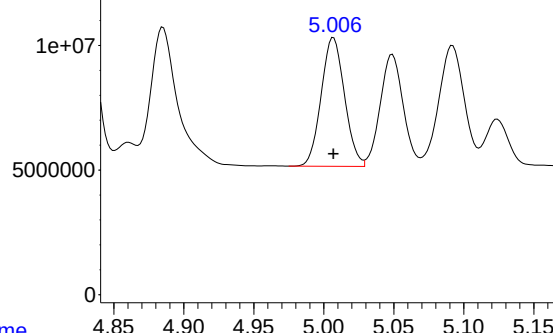
#5 AR-1016-3



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

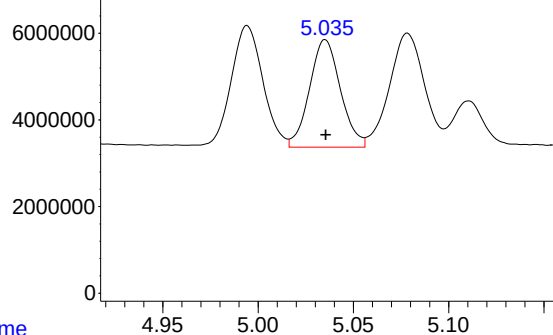
#6 AR-1016-4



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

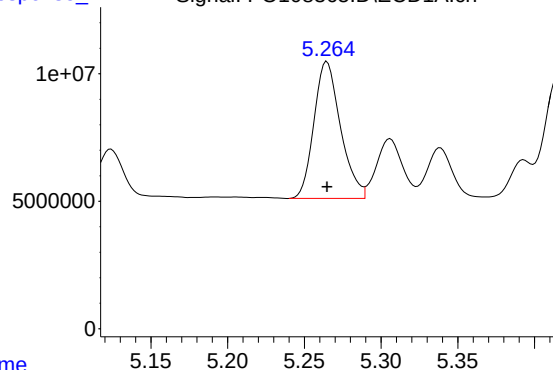


R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 28030962
Conc: 264.28 ng/ml

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

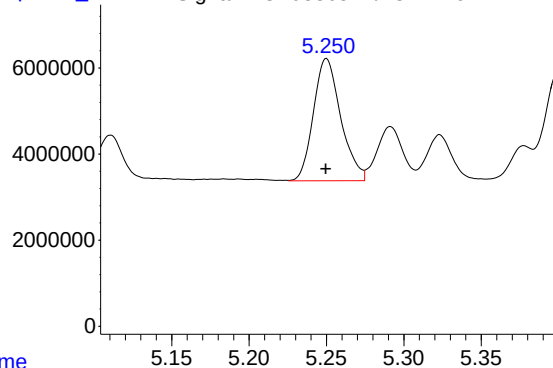
Instrument :
ECD_O
ClientSampleId :
AR1660ICC250

Time

Response_

Signal: PO108365.D\ECD2B.ch

#7 AR-1016-5



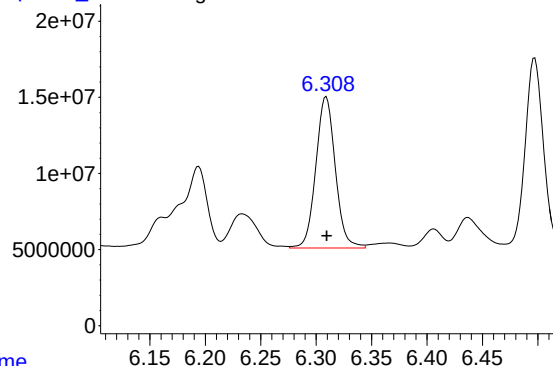
R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 34868341
Conc: 260.37 ng/ml

Time

Response_

Signal: PO108365.D\ECD1A.ch

#31 AR-1260-1



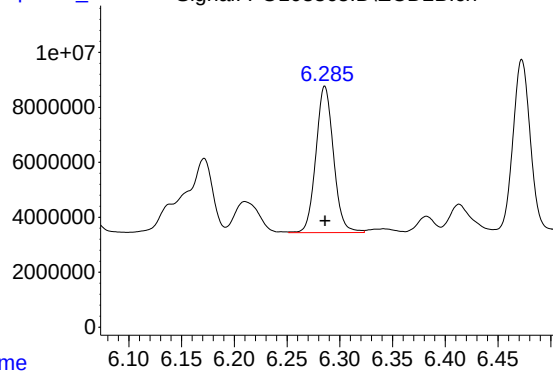
R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 121749161
Conc: 265.74 ng/ml

Time

Response_

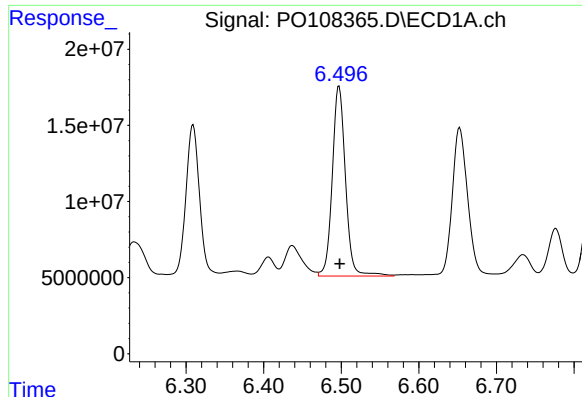
Signal: PO108365.D\ECD2B.ch

#31 AR-1260-1



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

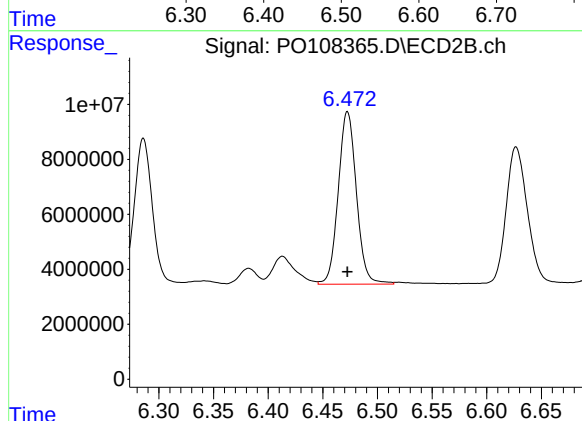
Time



#32 AR-1260-2

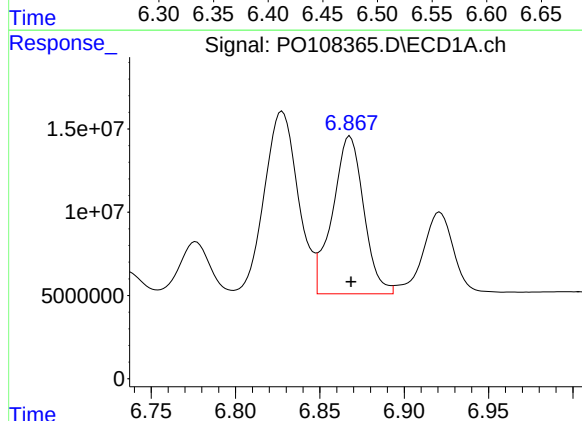
R.T.: 6.497 min
Delta R.T.: -0.001 min
Response: 147732990
Conc: 265.82 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



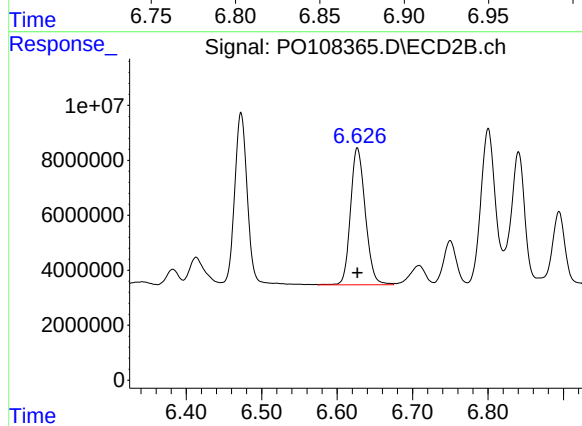
#32 AR-1260-2

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



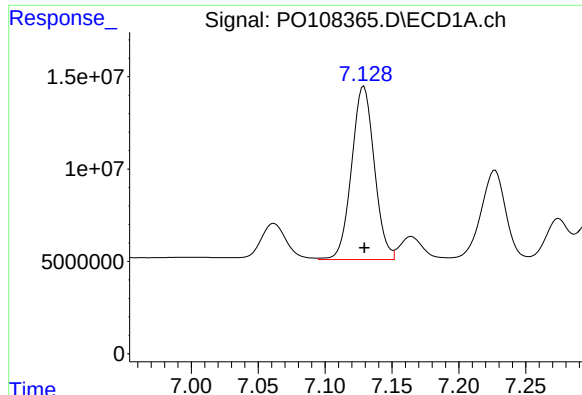
#33 AR-1260-3

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



#33 AR-1260-3

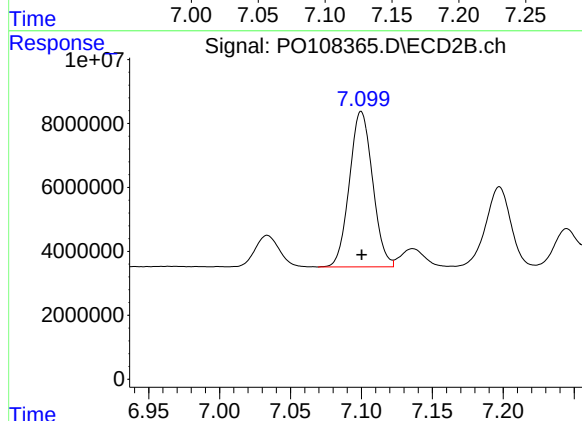
R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 67759112
Conc: 261.63 ng/ml



#34 AR-1260-4

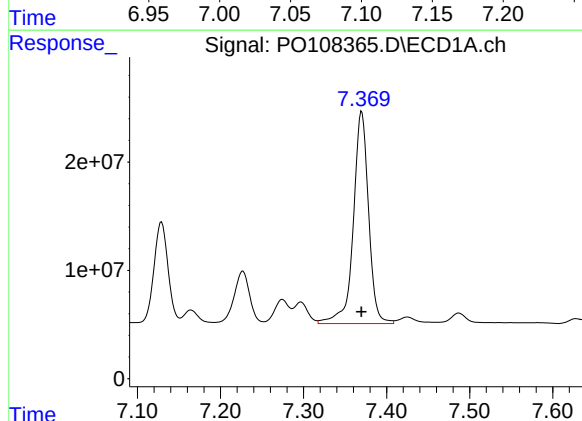
R.T.: 7.129 min
Delta R.T.: 0.000 min
Response: 111074974
Conc: 260.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC250



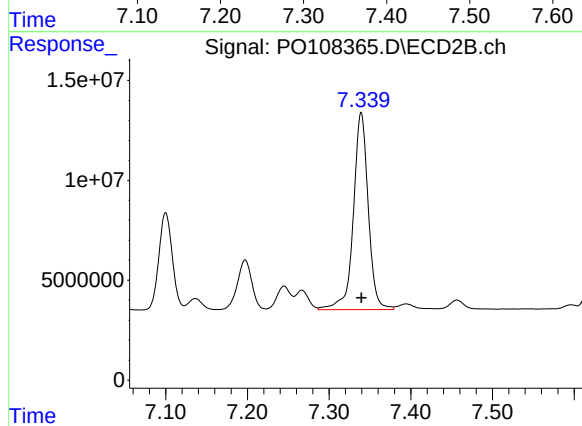
#34 AR-1260-4

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

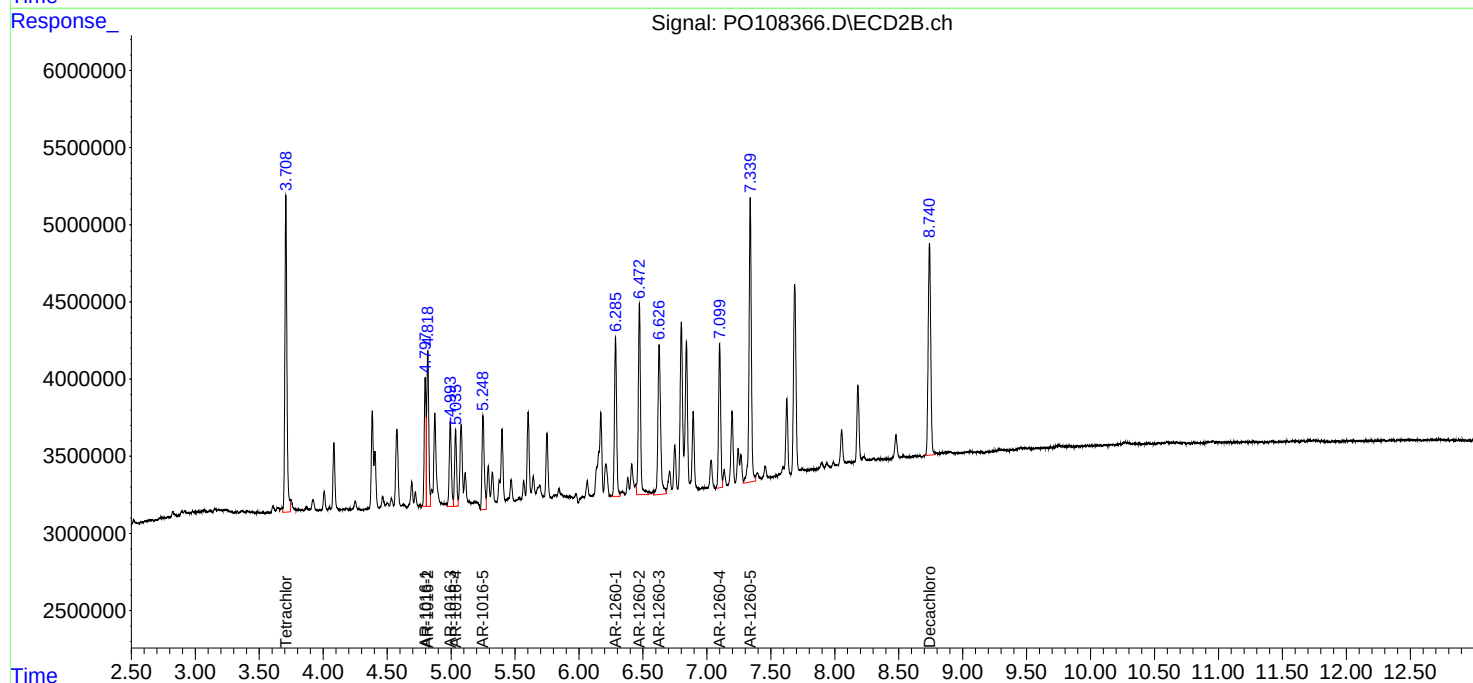
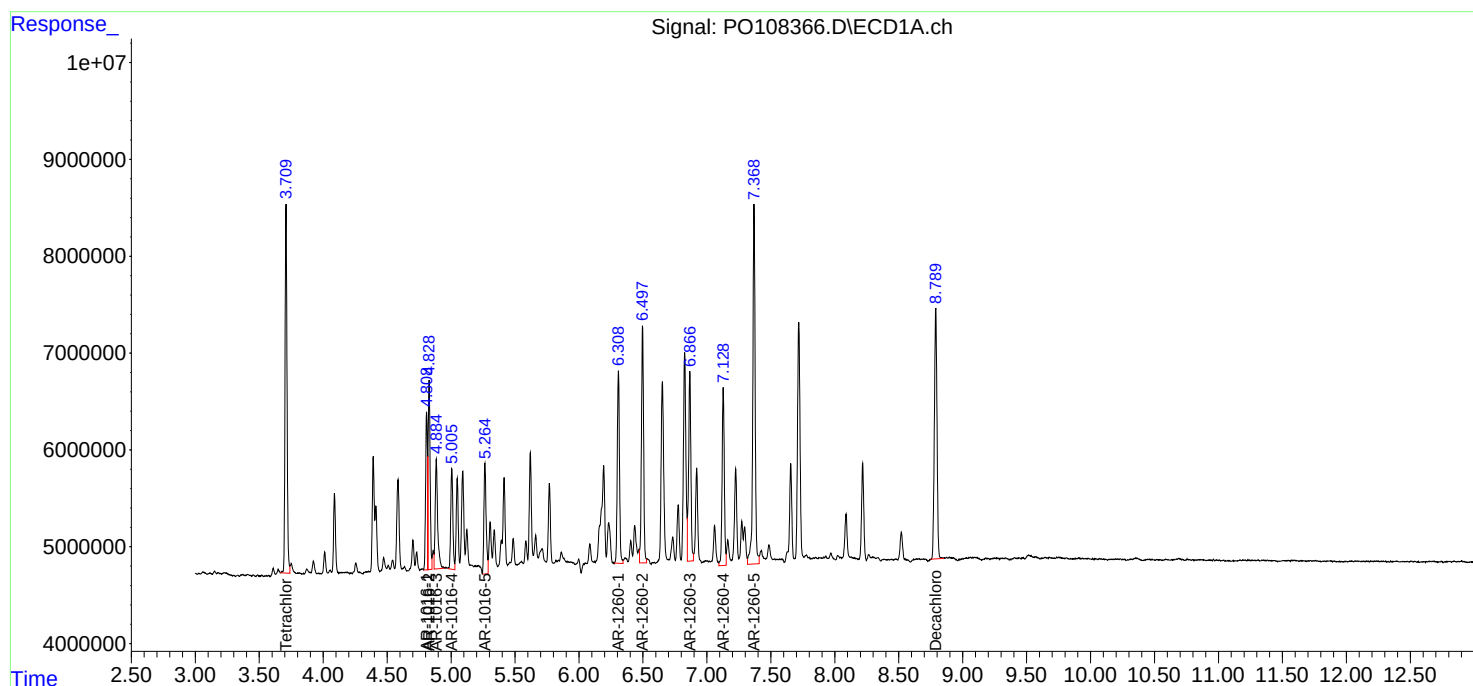
Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

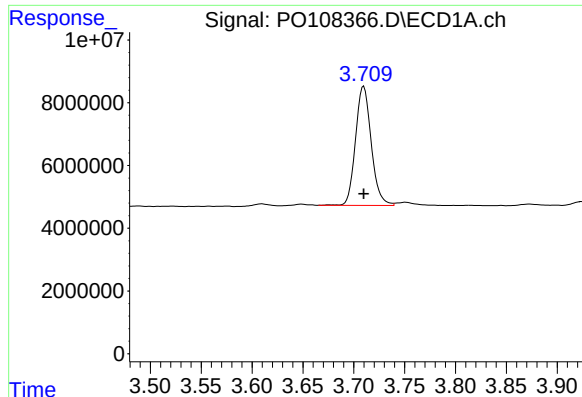
Manual Integrations
APPROVED

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





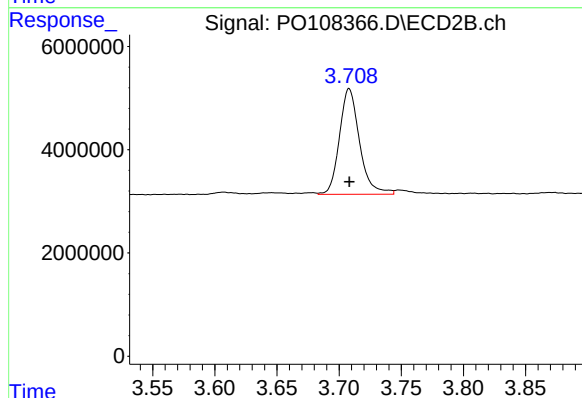
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

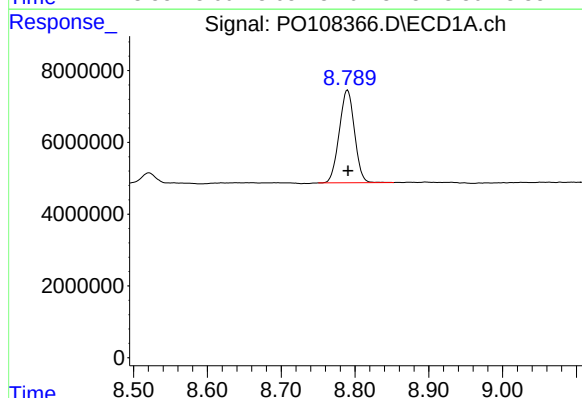
Manual Integrations
APPROVED

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



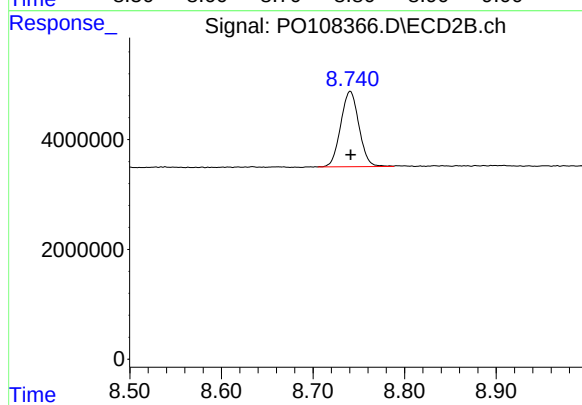
#1 Tetrachloro-m-xylene

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



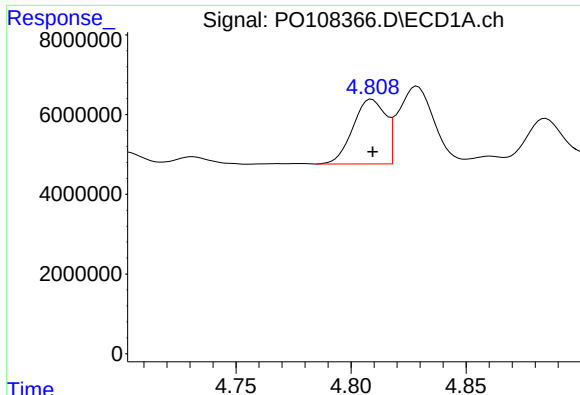
#2 Decachlorobiphenyl

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



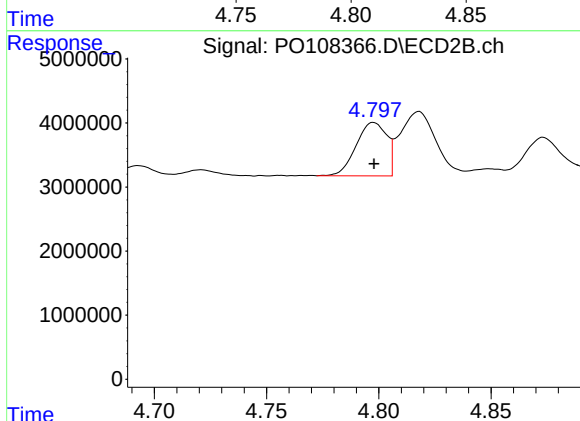
#3 AR-1016-1

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

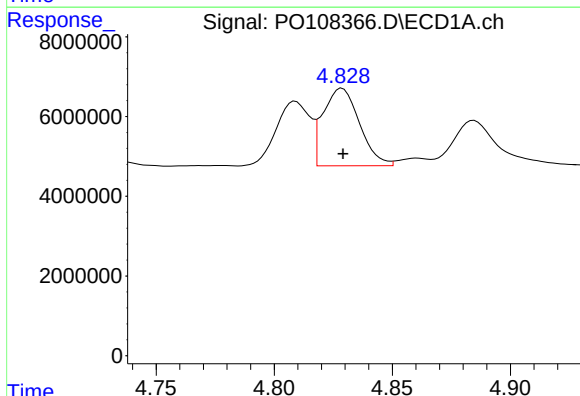
Manual Integrations
APPROVED

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



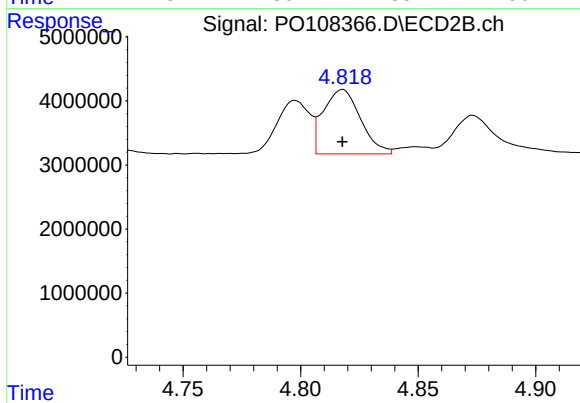
#3 AR-1016-1

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



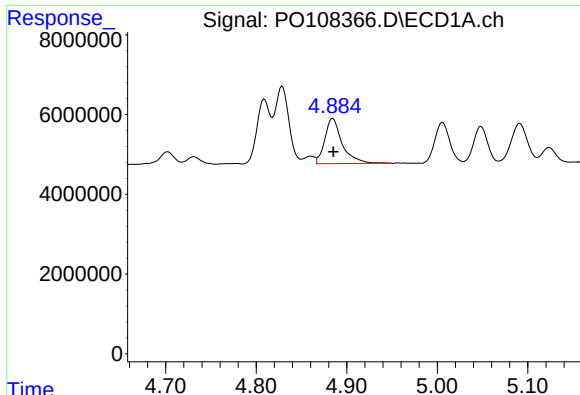
#4 AR-1016-2

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



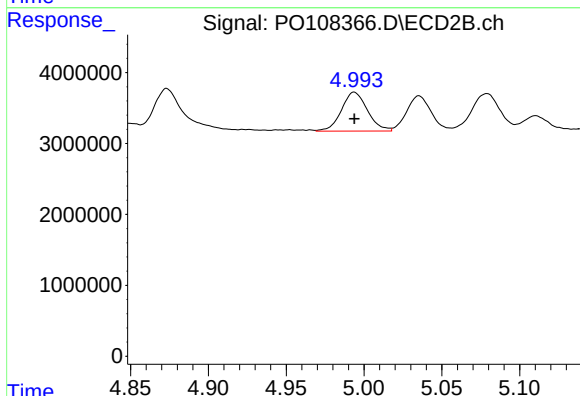
#5 AR-1016-3

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

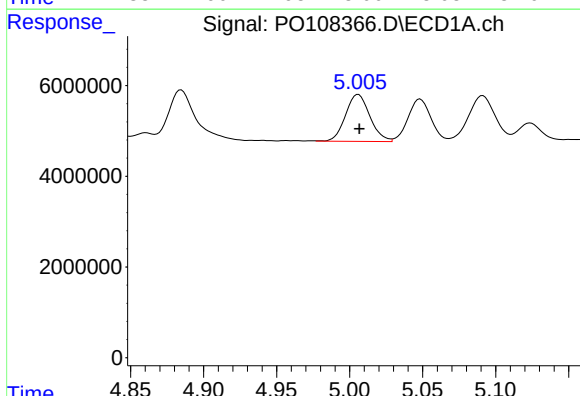
Manual Integrations
APPROVED

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



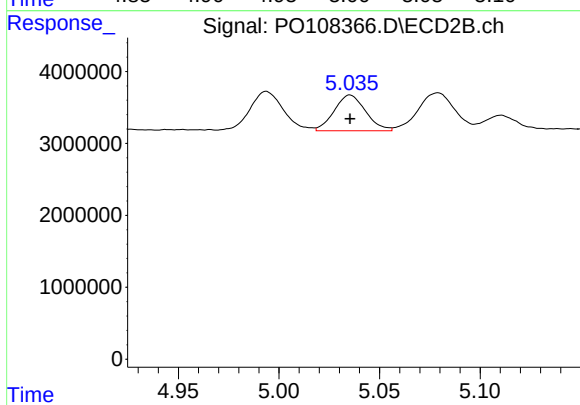
#5 AR-1016-3

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



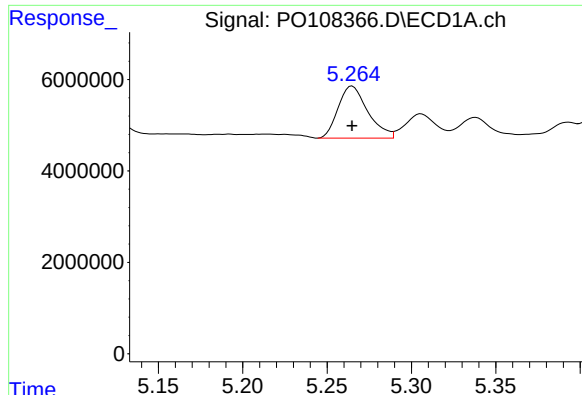
#6 AR-1016-4

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



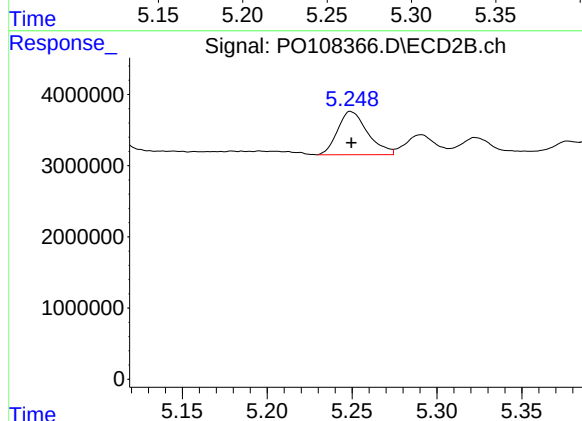
#7 AR-1016-5

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

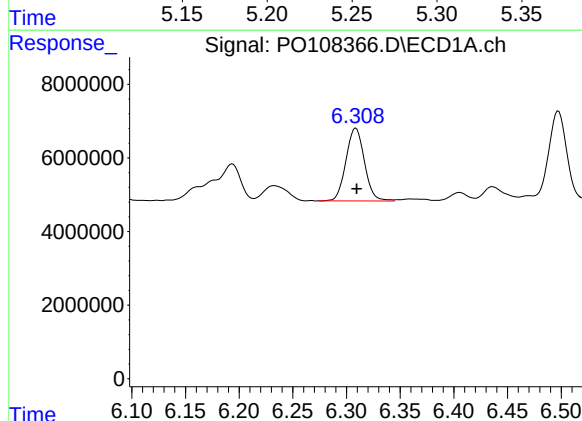
Manual Integrations
APPROVED

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



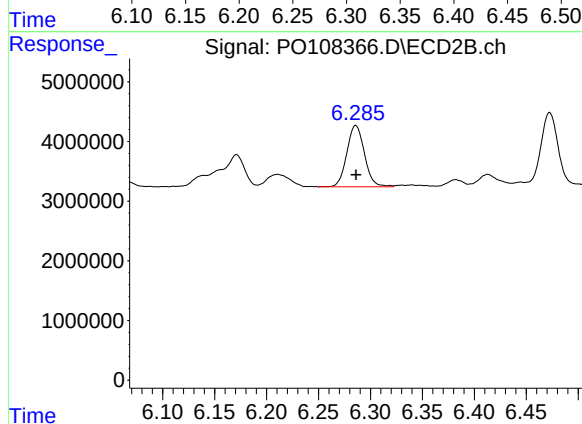
#7 AR-1016-5

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



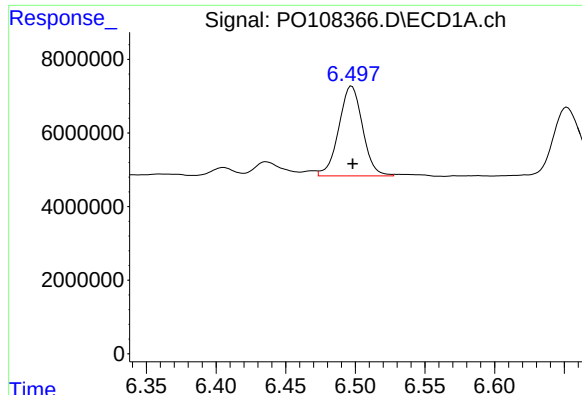
#31 AR-1260-1

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



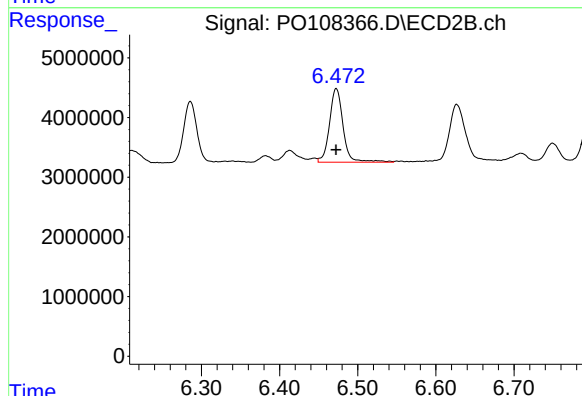
#32 AR-1260-2

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

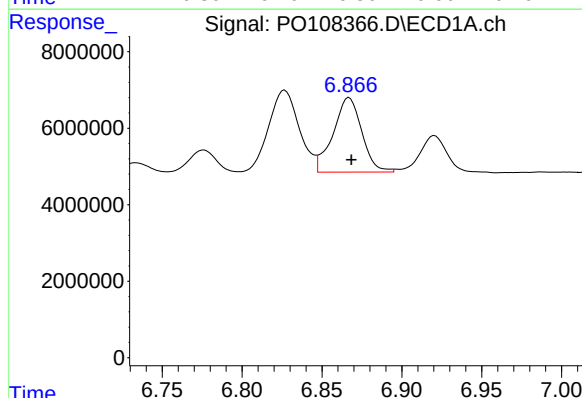
Manual Integrations
APPROVED

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



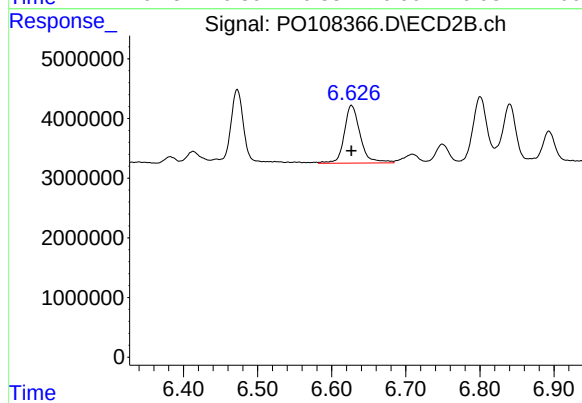
#32 AR-1260-2

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



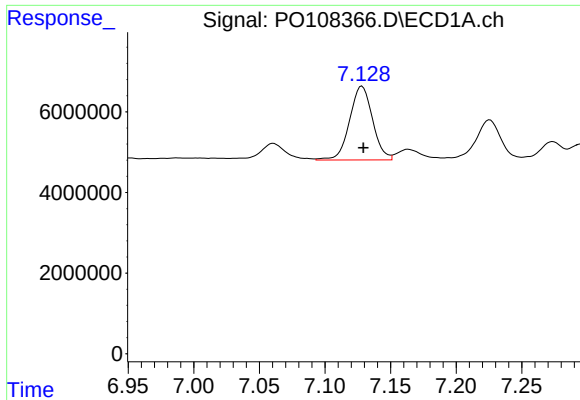
#33 AR-1260-3

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



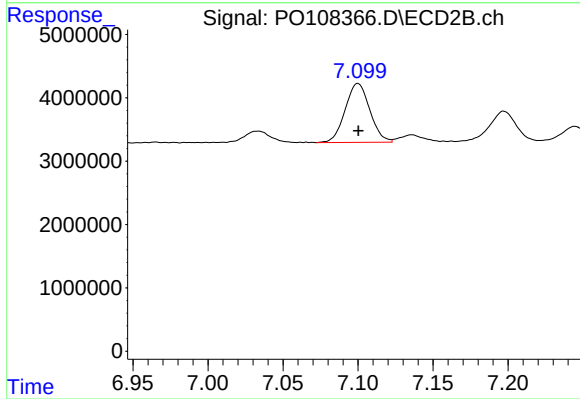
#34 AR-1260-4

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

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050

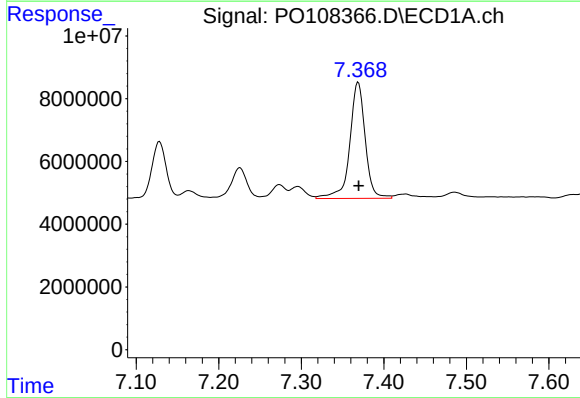
Manual Integrations
APPROVED

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



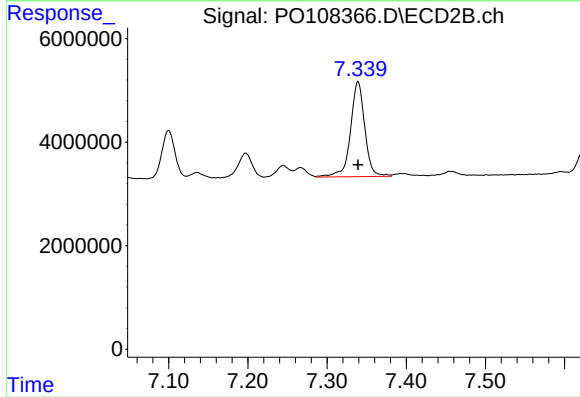
#34 AR-1260-4

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

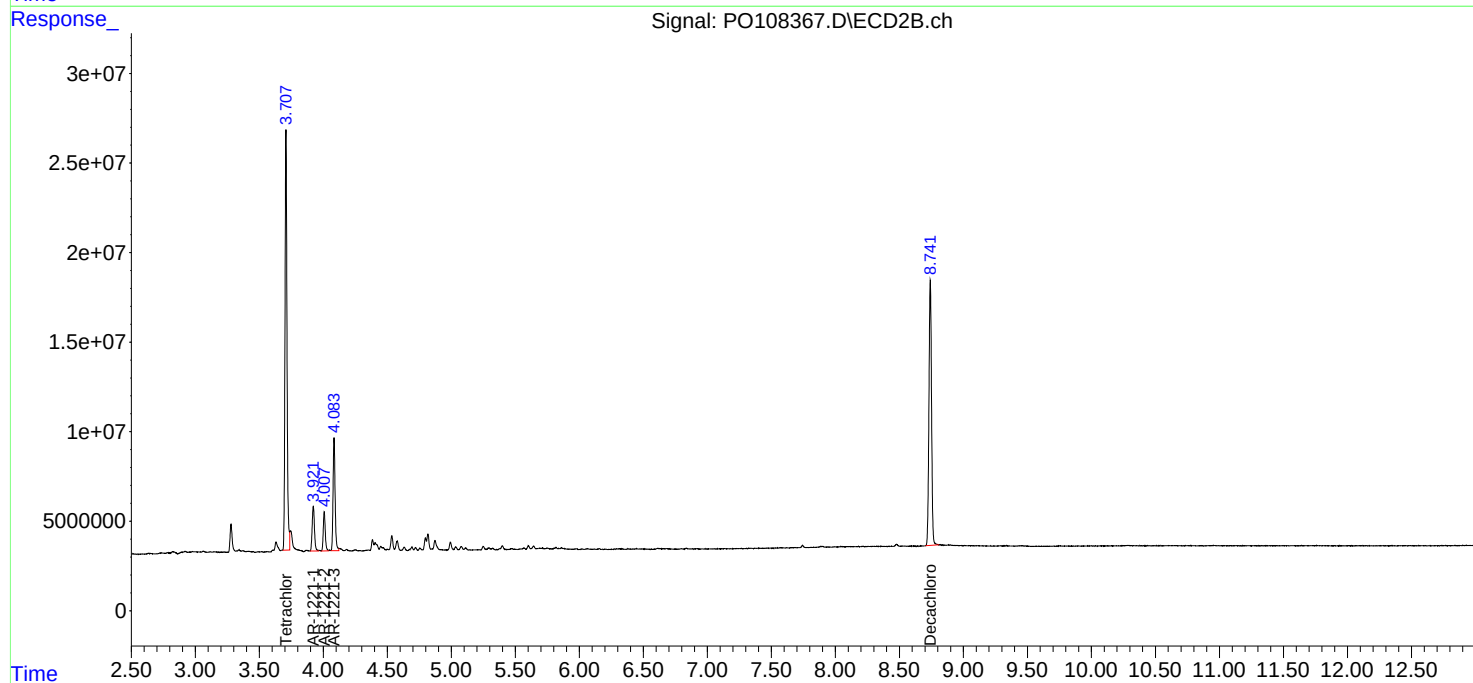
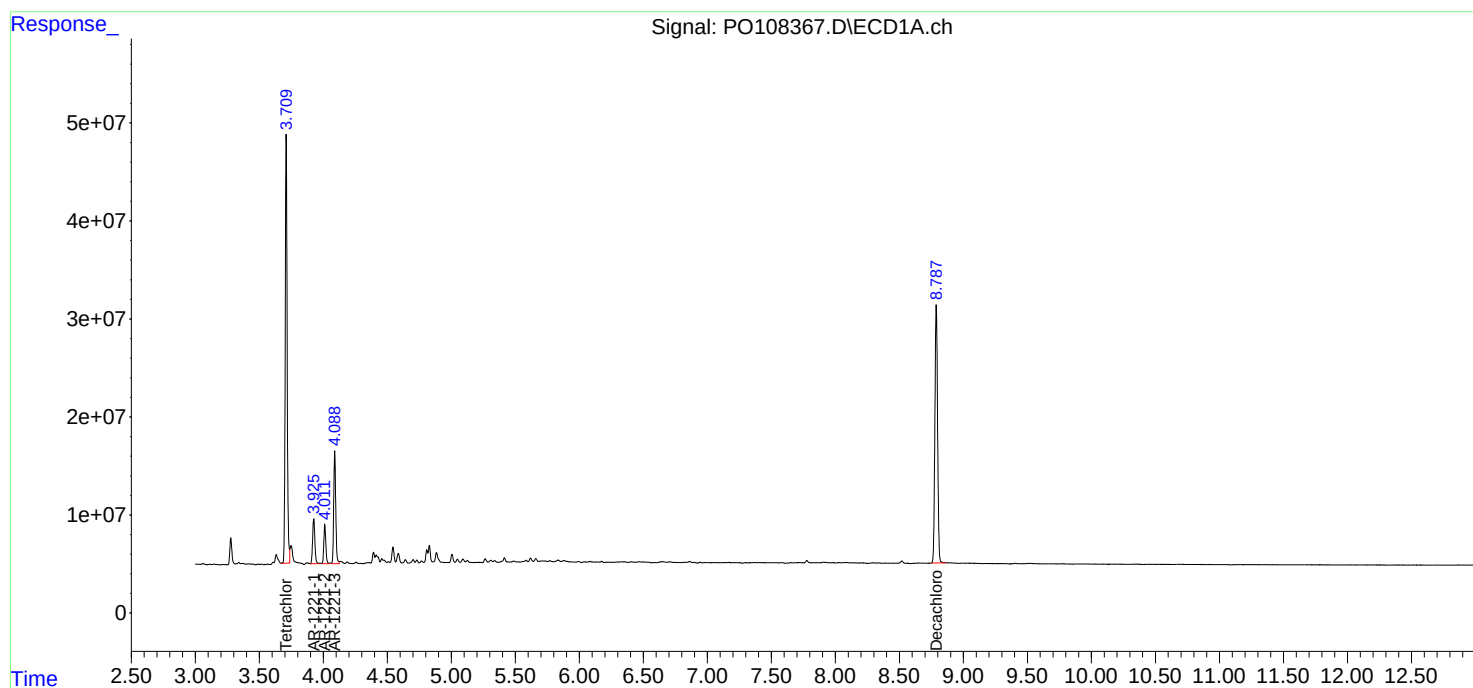
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

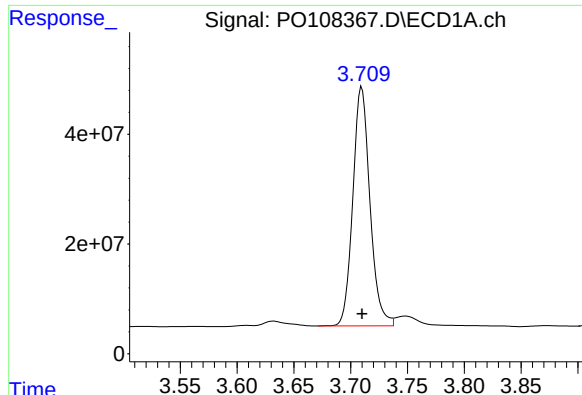
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:51
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

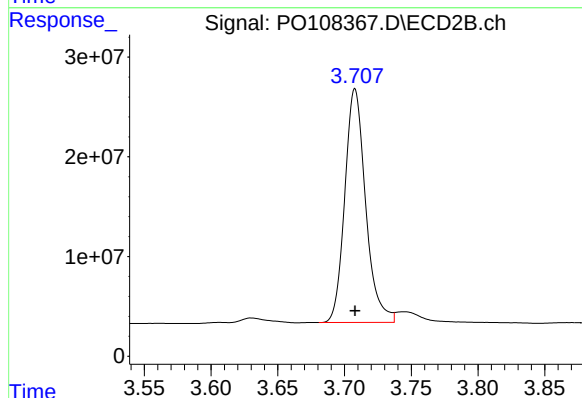




#1 Tetrachloro-m-xylene

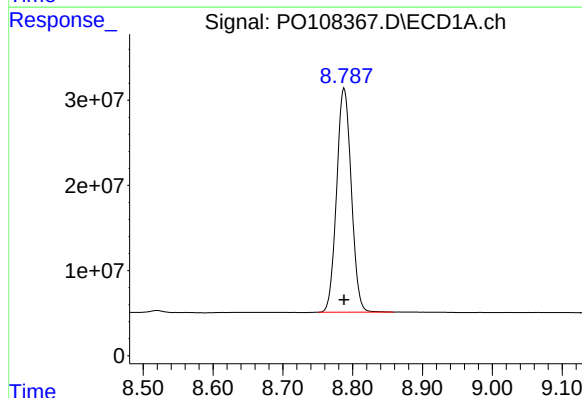
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 457189425
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1221ICC500



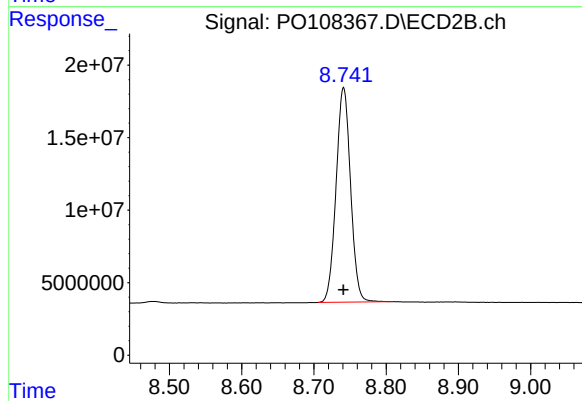
#1 Tetrachloro-m-xylene

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

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

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

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

3.85 3.90 3.95 4.00 4.05 4.10 4.15

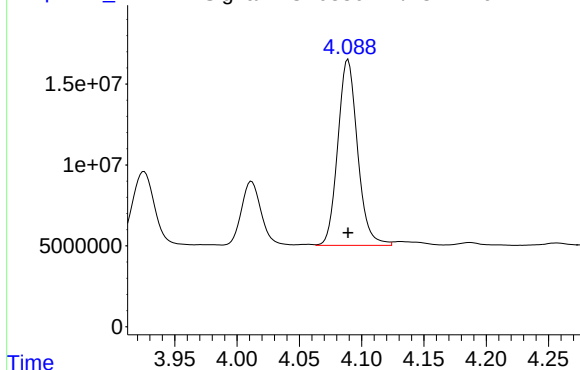
Time

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

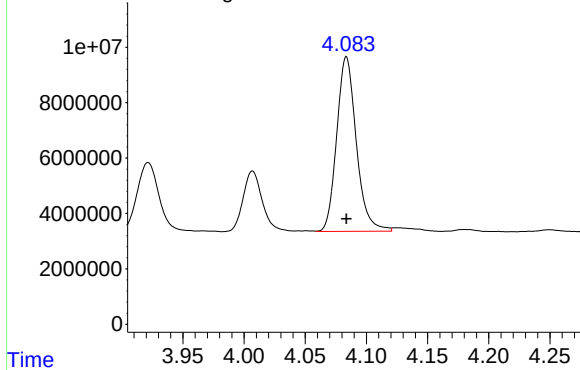
Instrument :
ECD_O
ClientSampleId :
AR1221ICC500

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

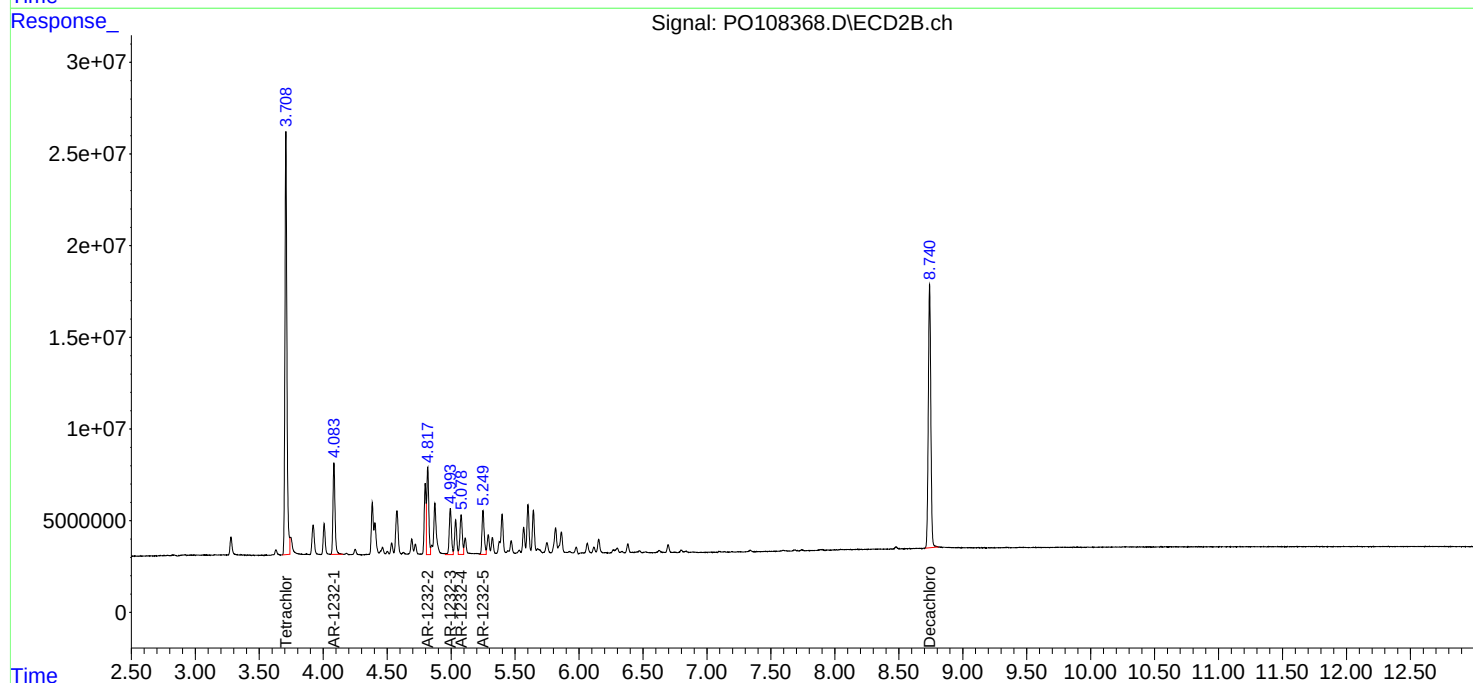
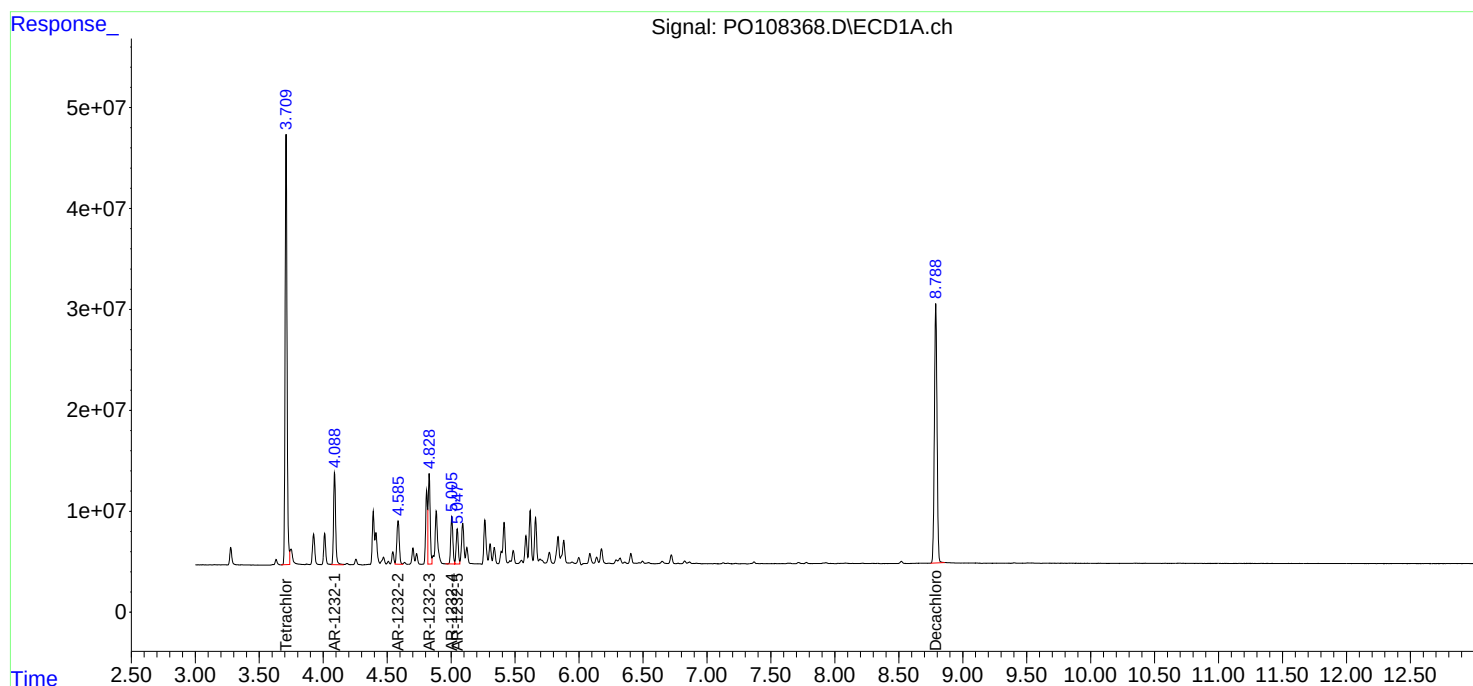
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

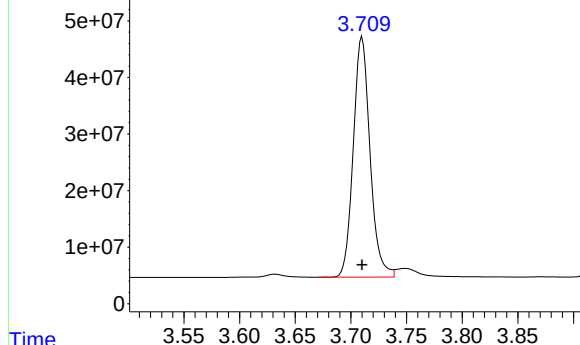


Response_ Signal: PO108368.D\ECD1A.ch

#1 Tetrachloro-m-xylene

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

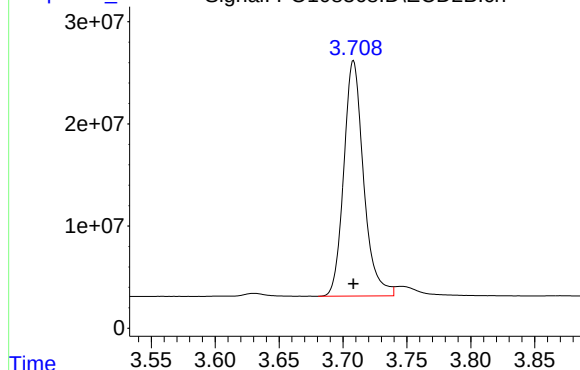
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



Time Response_ Signal: PO108368.D\ECD2B.ch

#1 Tetrachloro-m-xylene

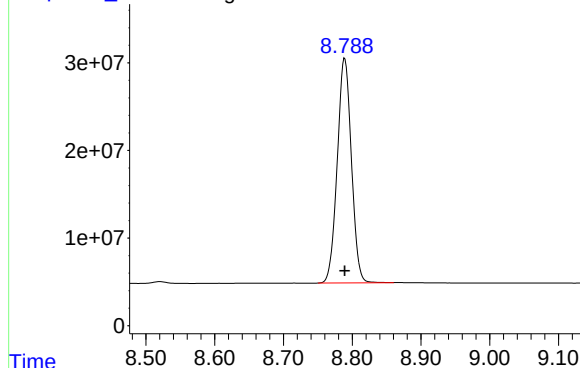
R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 248690425
Conc: 50.00 ng/ml



Time Response_ Signal: PO108368.D\ECD1A.ch

#2 Decachlorobiphenyl

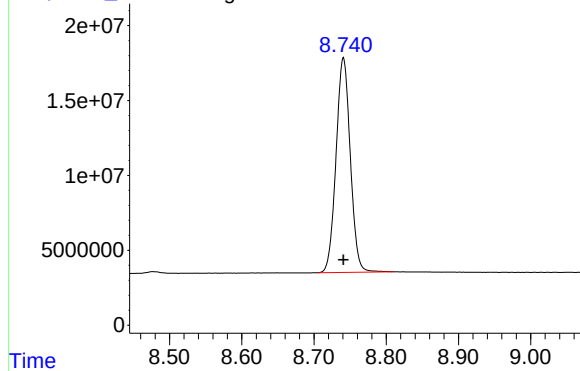
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 367362912
Conc: 50.00 ng/ml

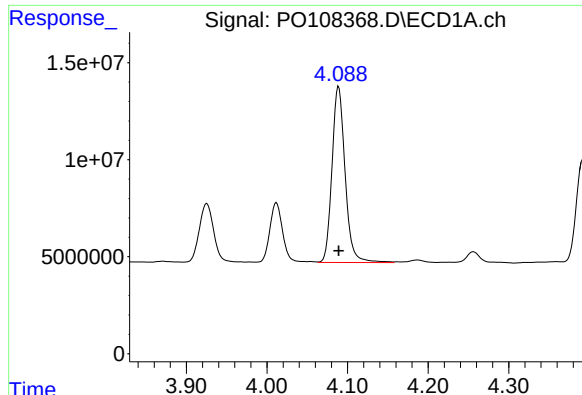


Time Response_ Signal: PO108368.D\ECD2B.ch

#2 Decachlorobiphenyl

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

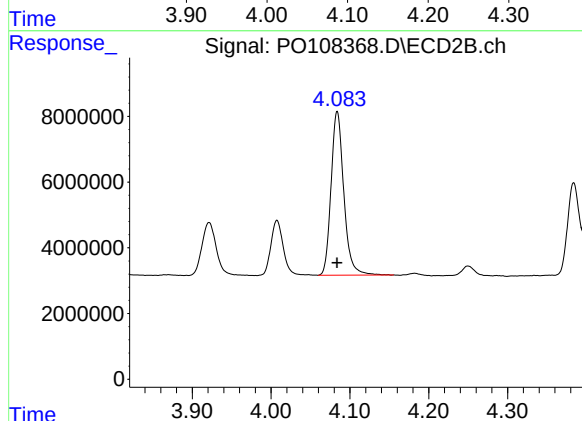




#11 AR-1232-1

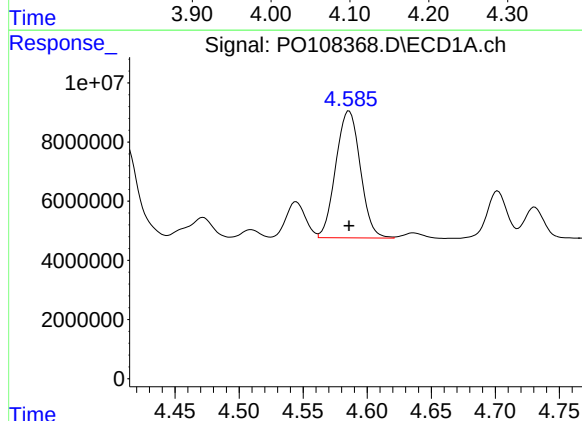
R.T.: 4.089 min
Delta R.T.: 0.000 min
Response: 102385115
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



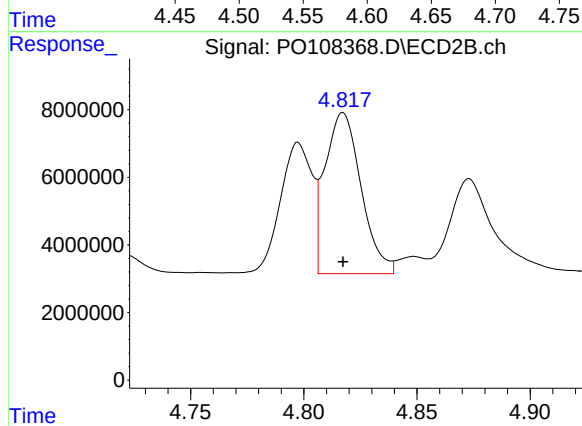
#11 AR-1232-1

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



#12 AR-1232-2

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



#12 AR-1232-2

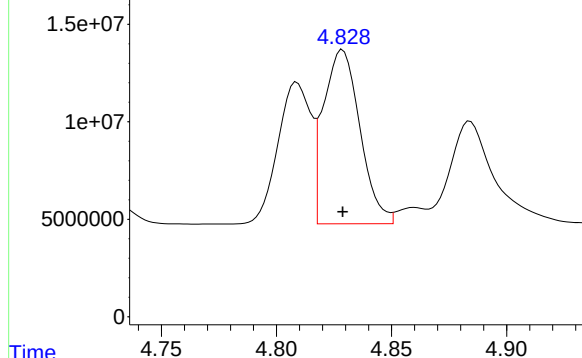
R.T.: 4.817 min
Delta R.T.: 0.000 min
Response: 52877010
Conc: 500.00 ng/ml

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

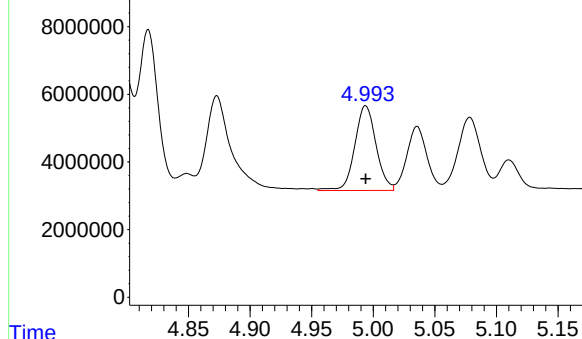
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500



Time Response_ Signal: PO108368.D\ECD2B.ch

#13 AR-1232-3

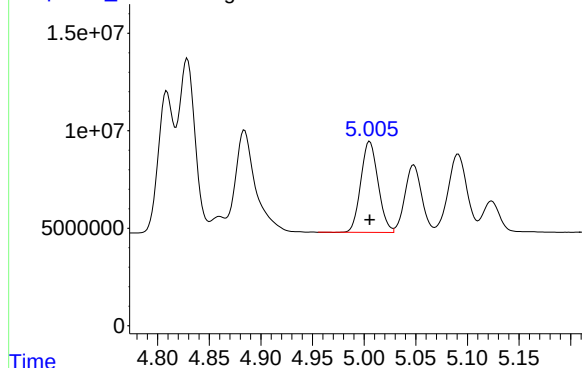
R.T.: 4.994 min
Delta R.T.: 0.000 min
Response: 30173584
Conc: 500.00 ng/ml



Time Response_ Signal: PO108368.D\ECD1A.ch

#14 AR-1232-4

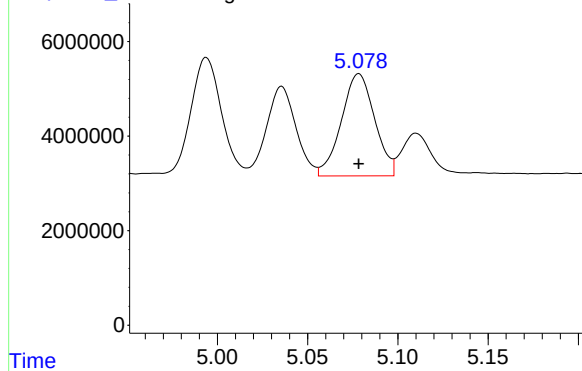
R.T.: 5.005 min
Delta R.T.: 0.000 min
Response: 54189863
Conc: 500.00 ng/ml



Time Response_ Signal: PO108368.D\ECD2B.ch

#14 AR-1232-4

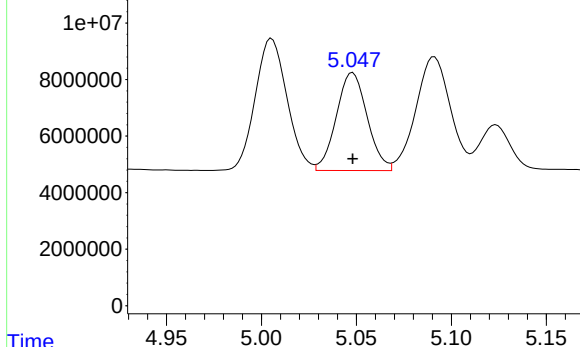
R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 27778236
Conc: 500.00 ng/ml



Response_

Signal: PO108368.D\ECD1A.ch

#15 AR-1232-5



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

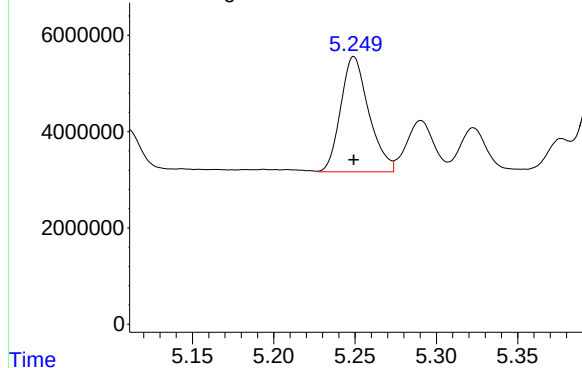
Instrument :
ECD_O
ClientSampleId :
AR1232ICC500

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

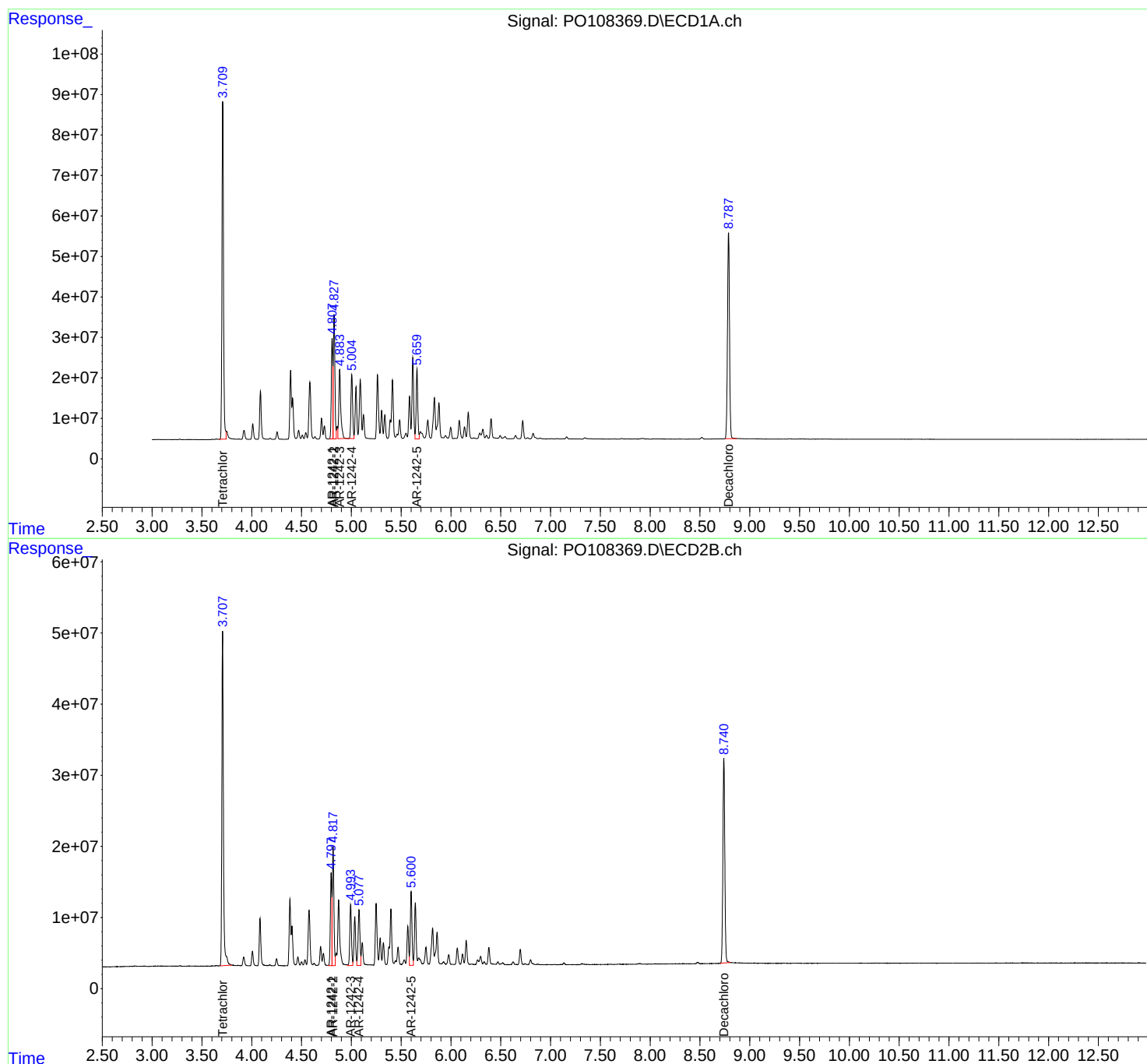
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

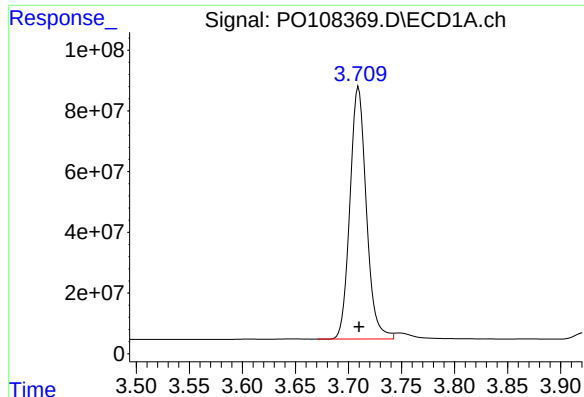
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:28
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

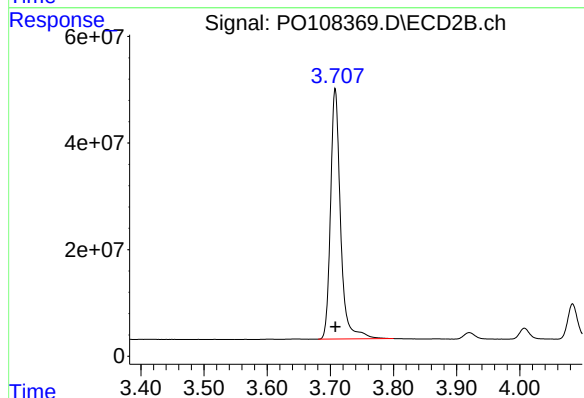




#1 Tetrachloro-m-xylene

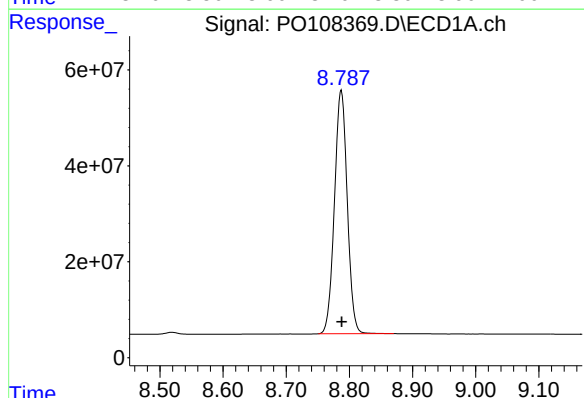
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 892136815
Conc: 101.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



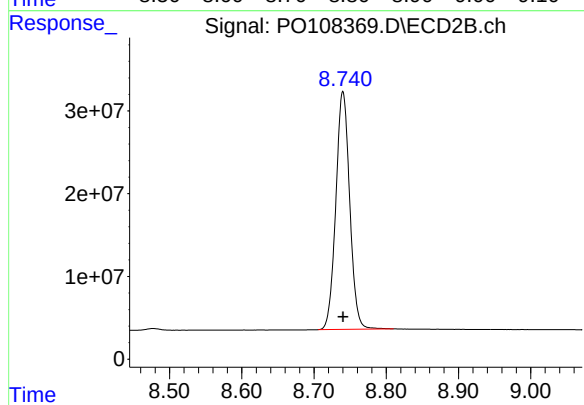
#1 Tetrachloro-m-xylene

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



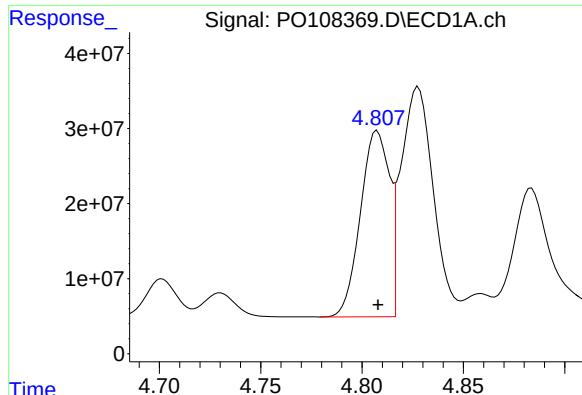
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

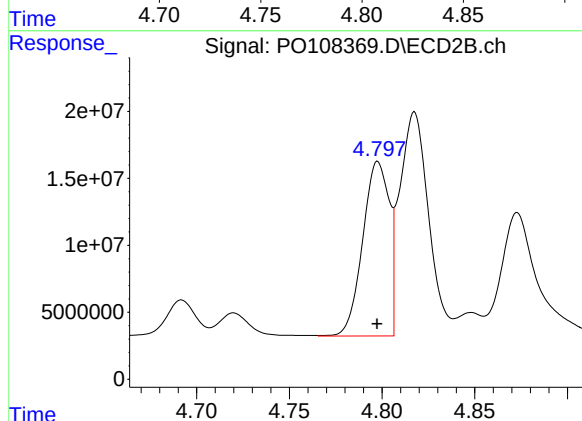
R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 383782403
Conc: 97.60 ng/ml



#16 AR-1242-1

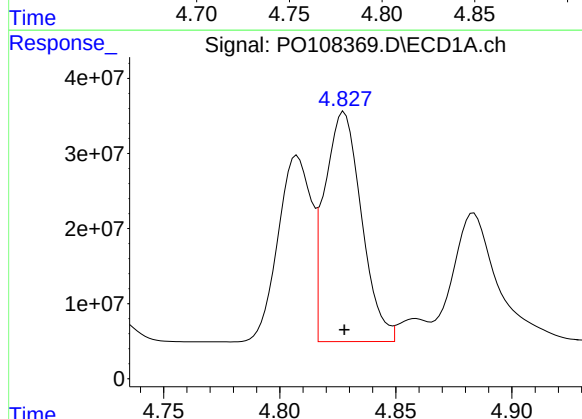
R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 247125512
Conc: 986.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



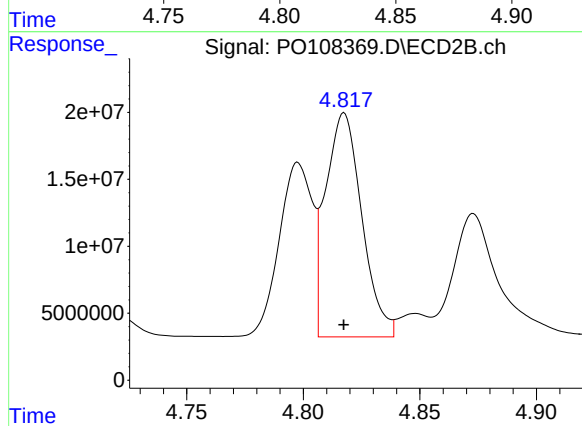
#16 AR-1242-1

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



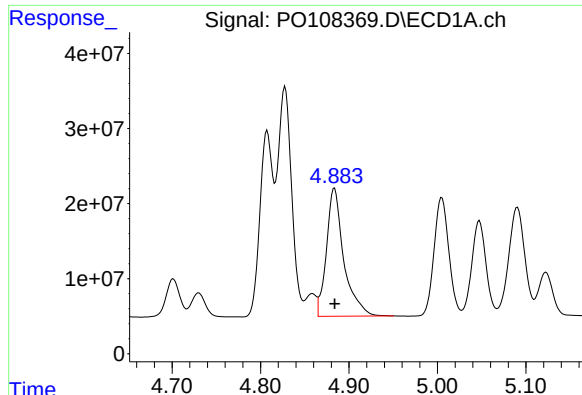
#17 AR-1242-2

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



#17 AR-1242-2

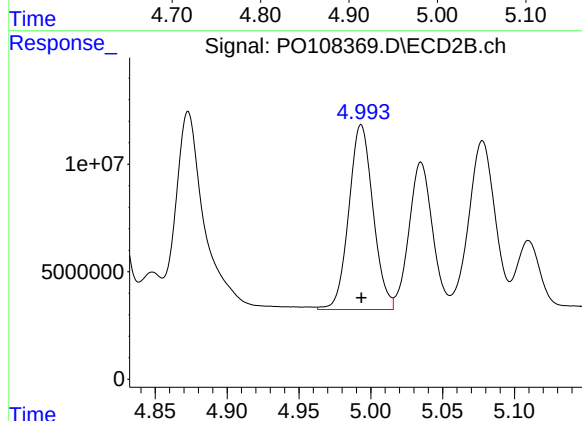
R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 181117644
Conc: 988.29 ng/ml



#18 AR-1242-3

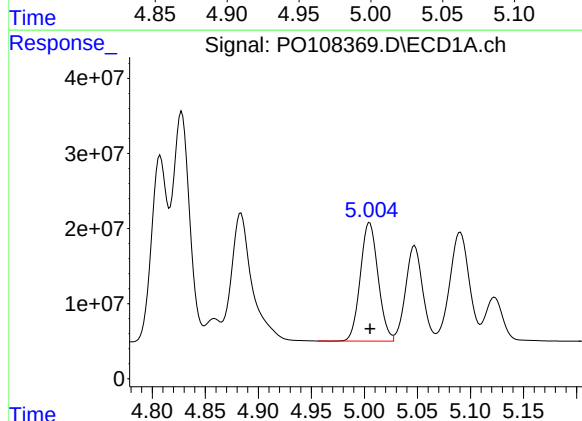
R.T.: 4.884 min
Delta R.T.: 0.000 min
Response: 232389462
Conc: 976.54 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC1000



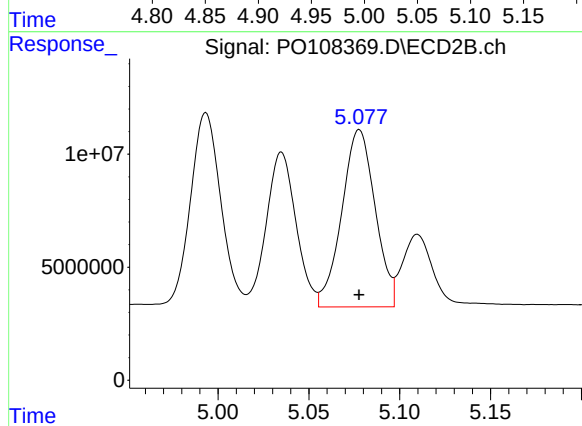
#18 AR-1242-3

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



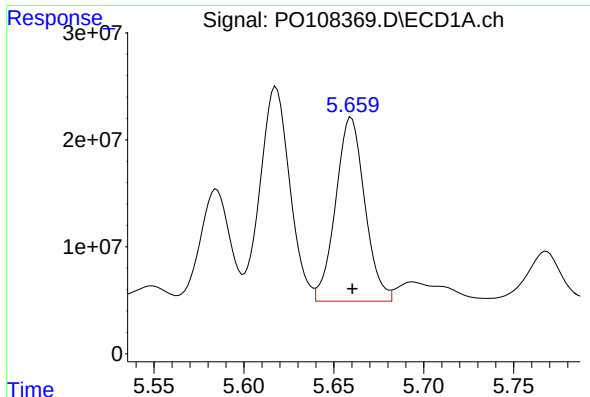
#19 AR-1242-4

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



#19 AR-1242-4

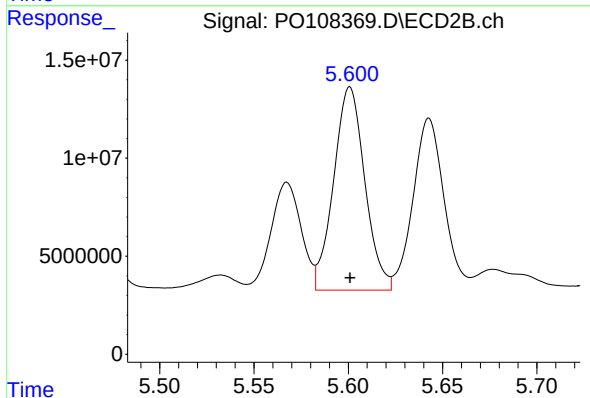
R.T.: 5.078 min
Delta R.T.: 0.000 min
Response: 100375229
Conc: 961.38 ng/ml



#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

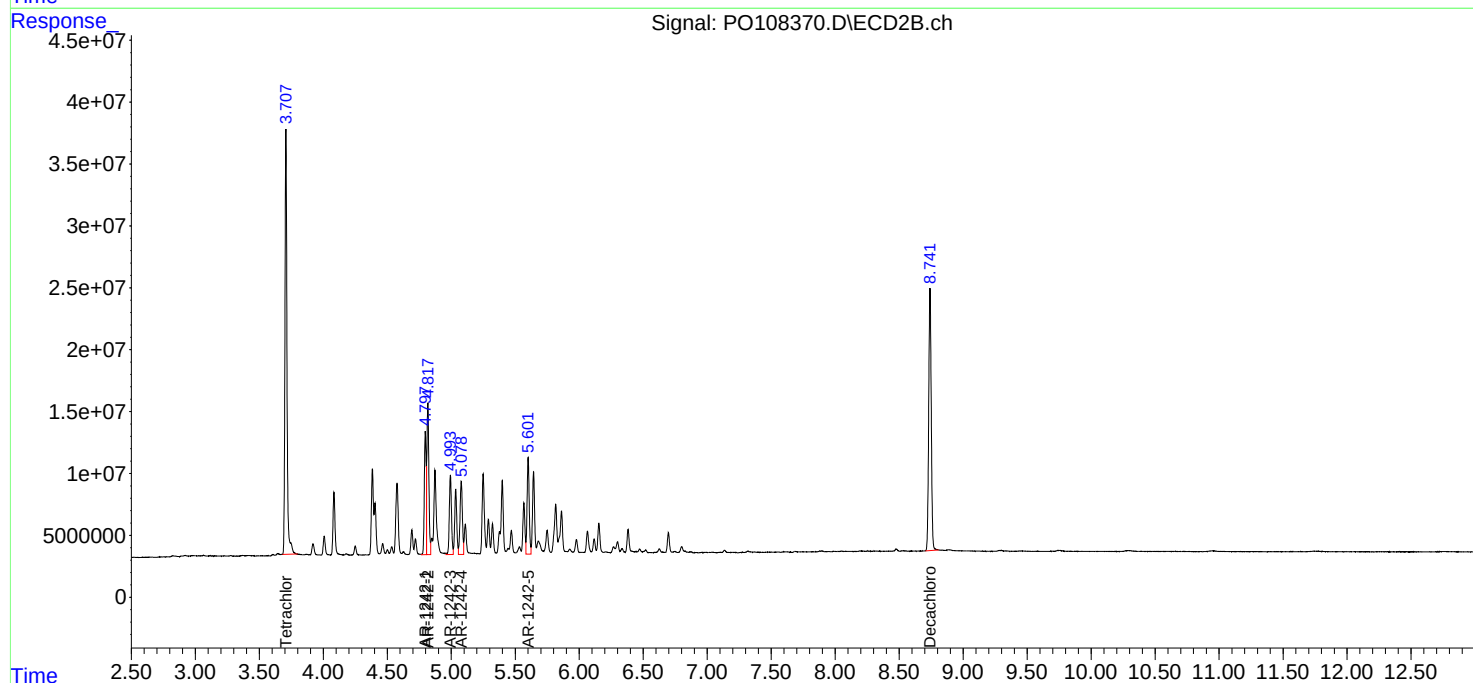
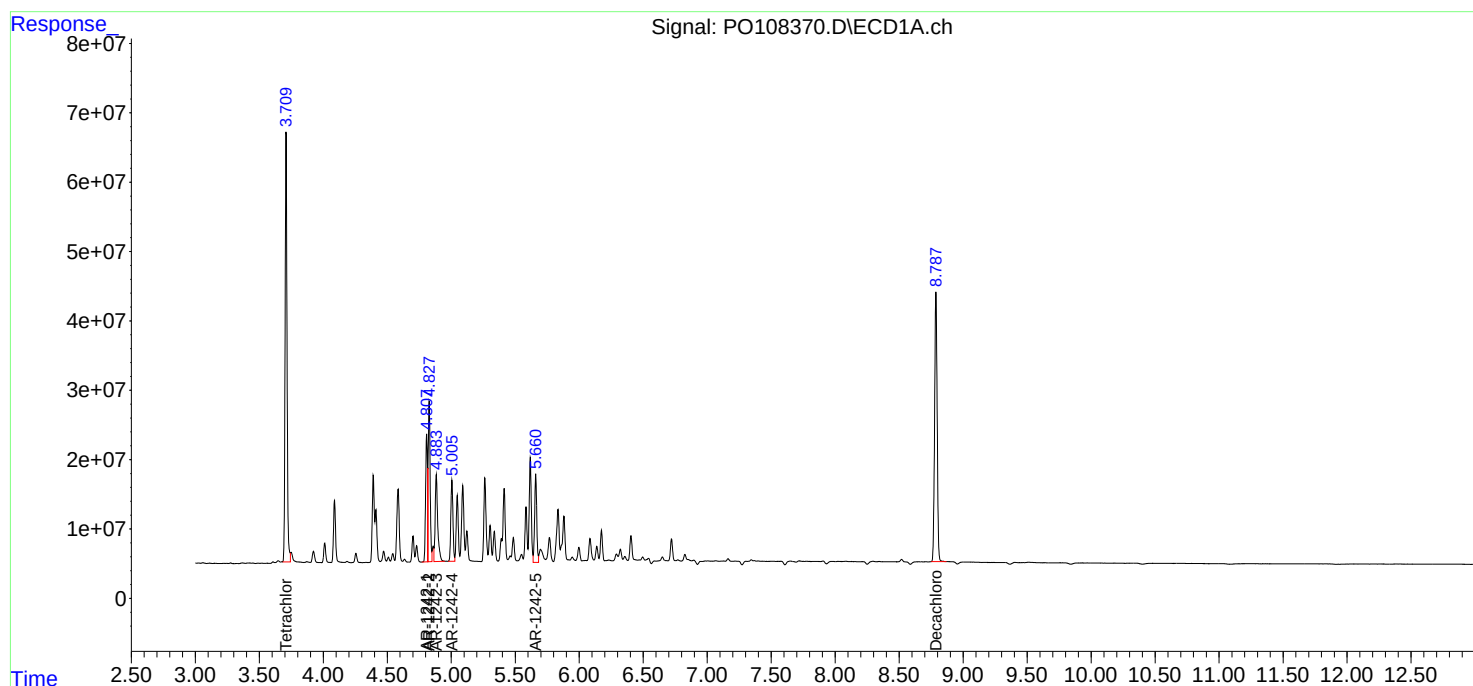
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

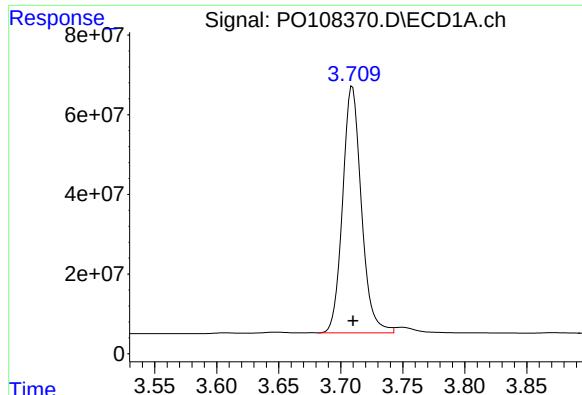
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:46
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

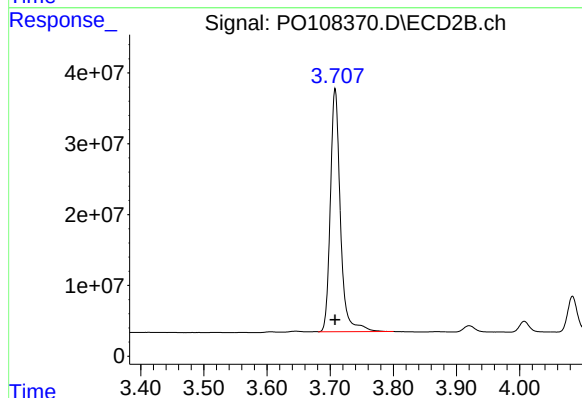




#1 Tetrachloro-m-xylene

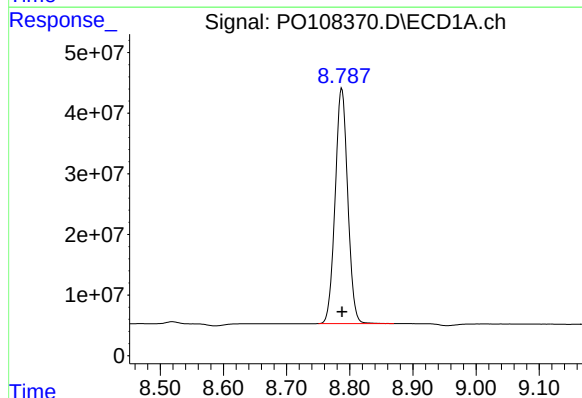
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 651888781
Conc: 74.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



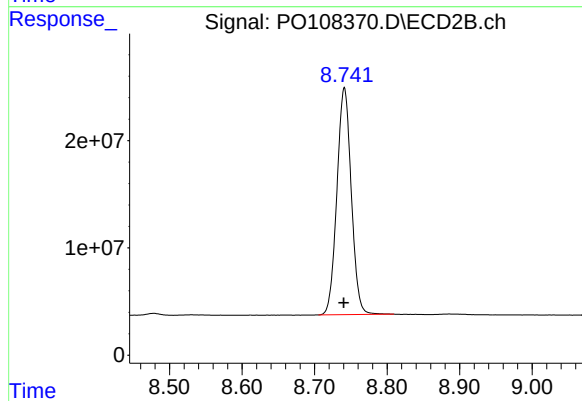
#1 Tetrachloro-m-xylene

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

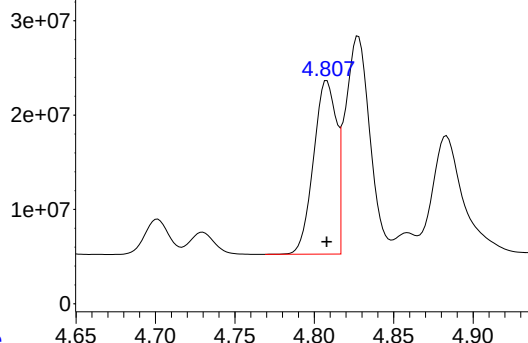
Response_

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



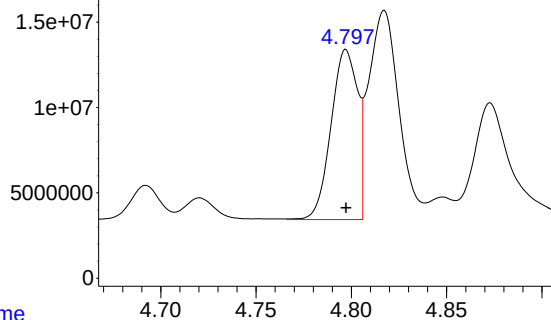
Time

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



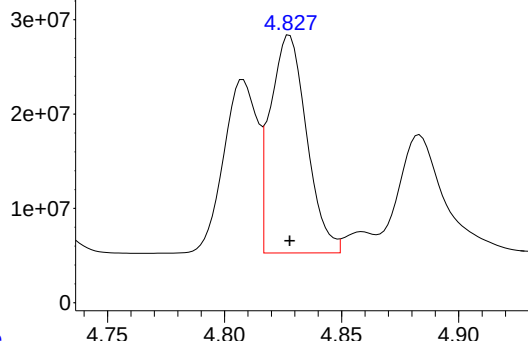
Time

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



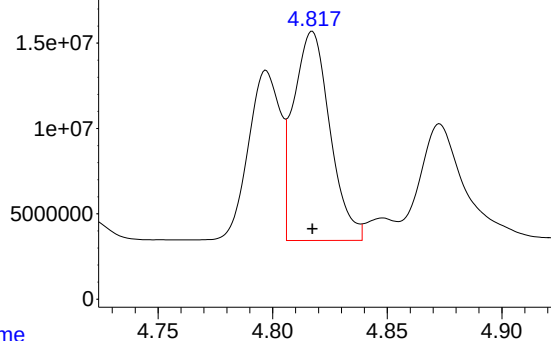
Time

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

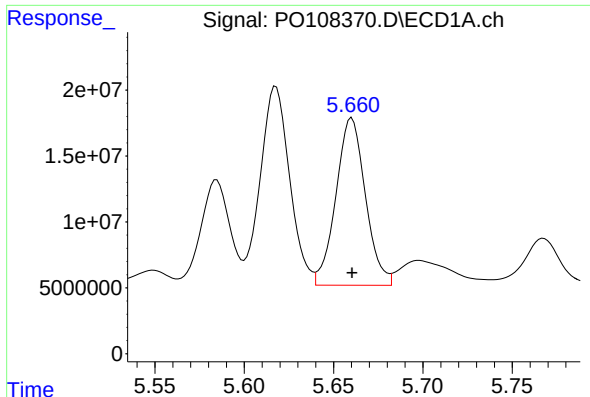
Time

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

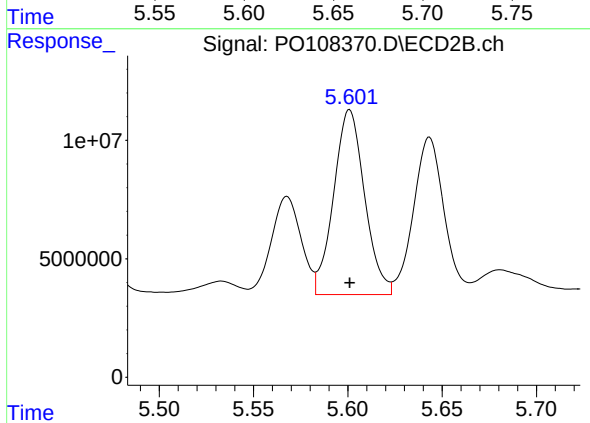
Time



#20 AR-1242-5

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC750



#20 AR-1242-5

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

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

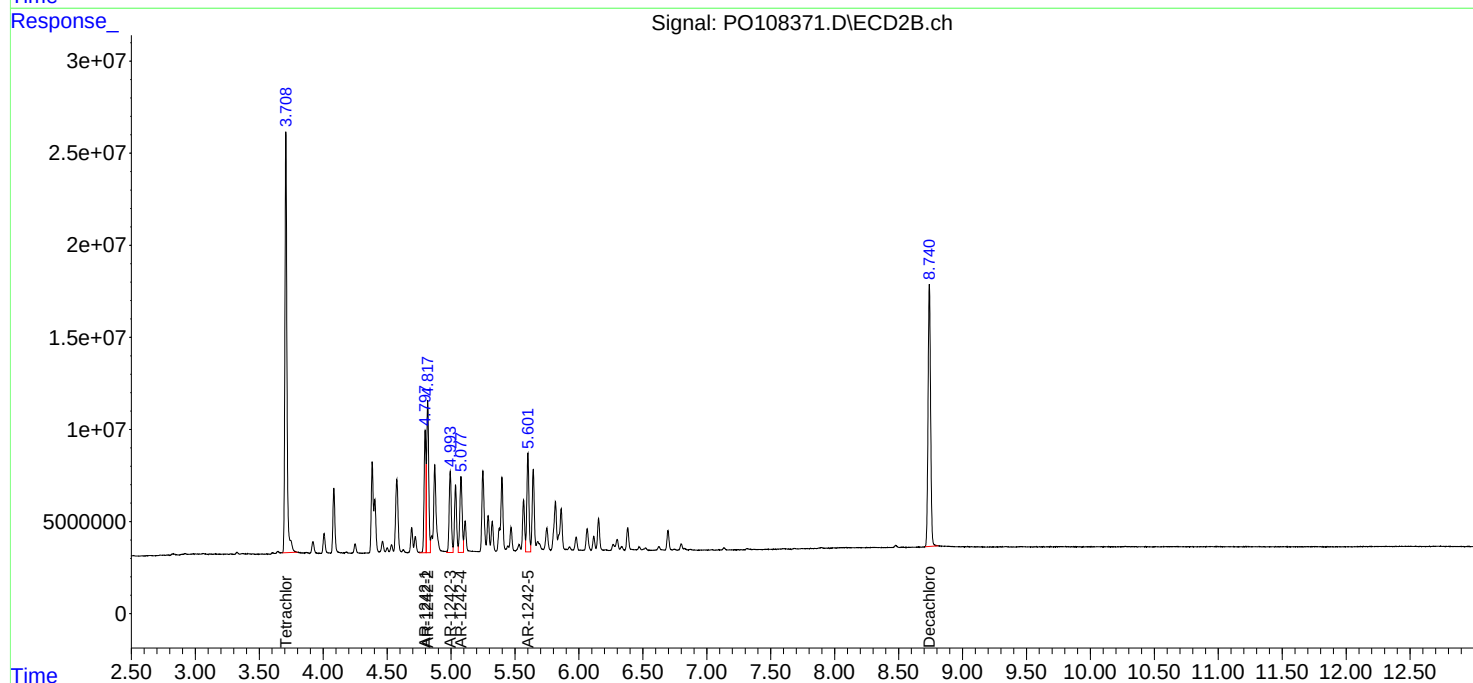
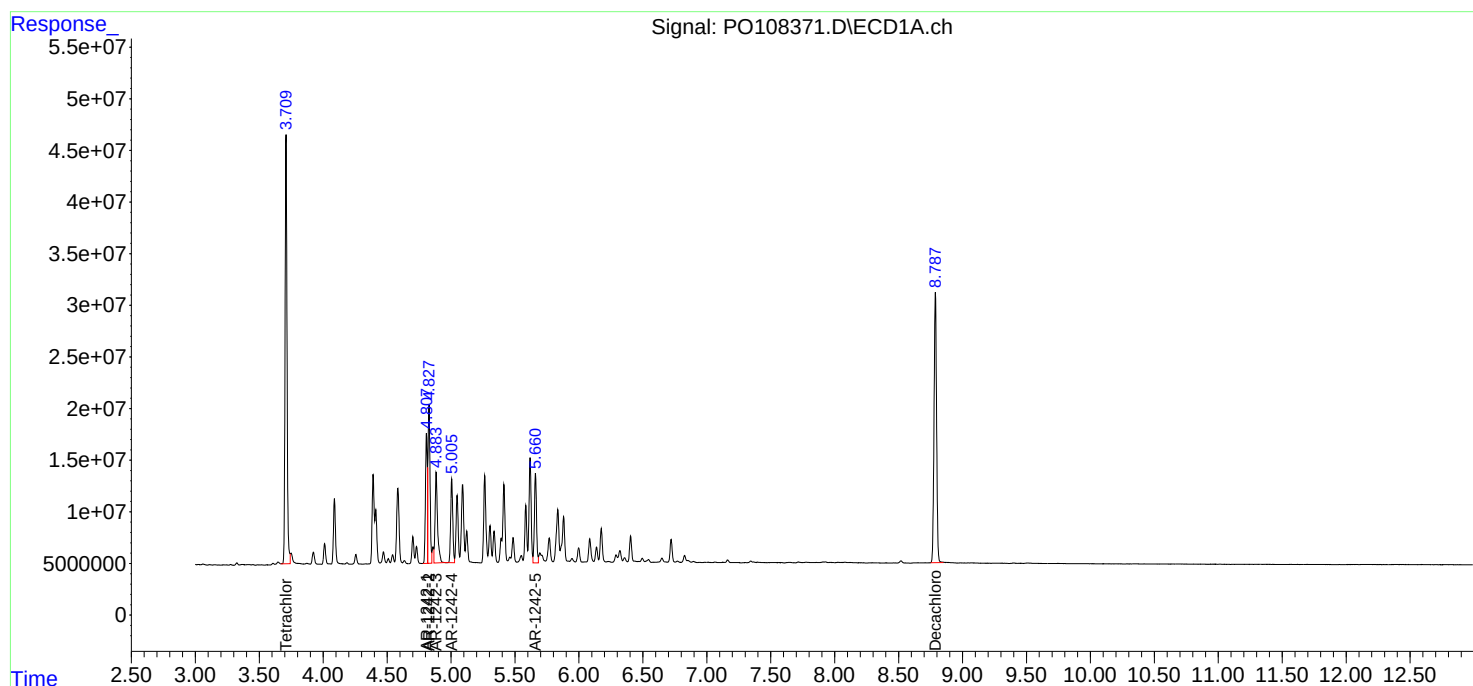
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

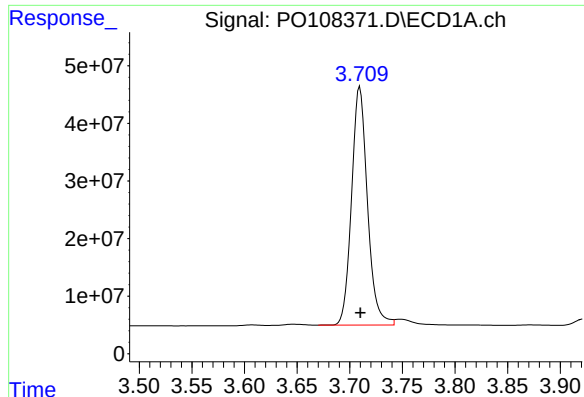
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:04
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

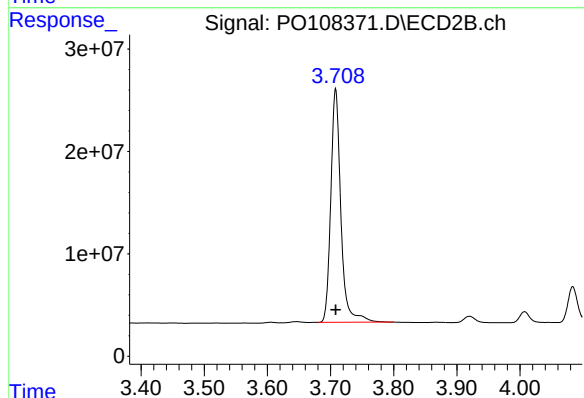




#1 Tetrachloro-m-xylene

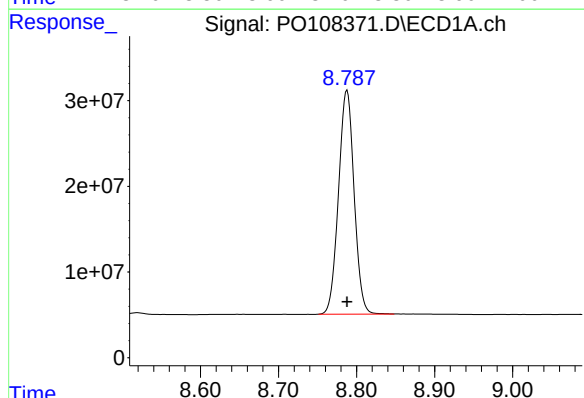
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 437505407
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



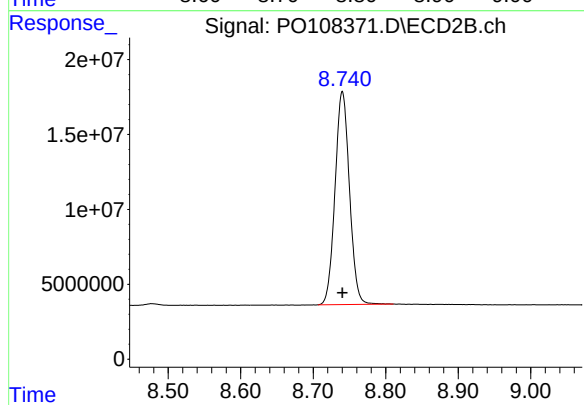
#1 Tetrachloro-m-xylene

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



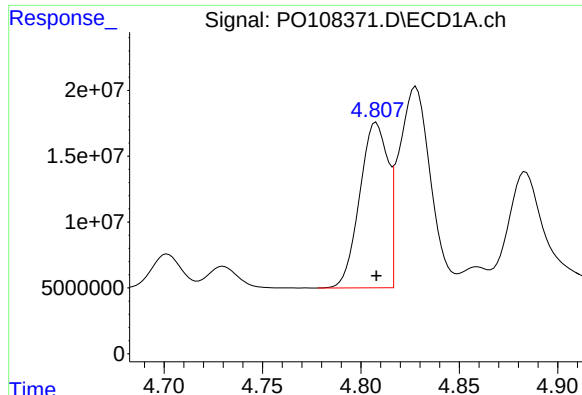
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

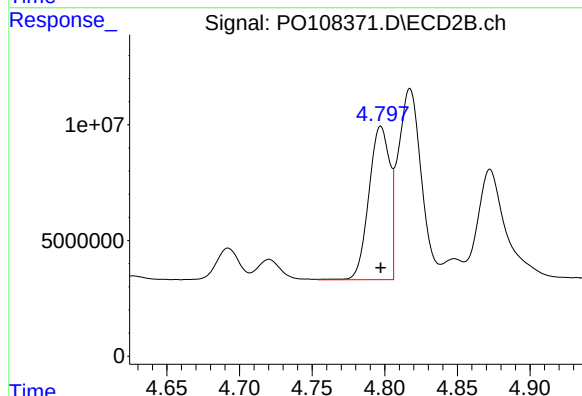
R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 196608226
Conc: 50.00 ng/ml



#16 AR-1242-1

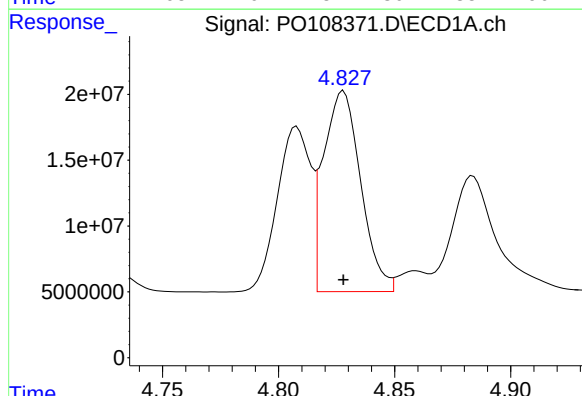
R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 125283253
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



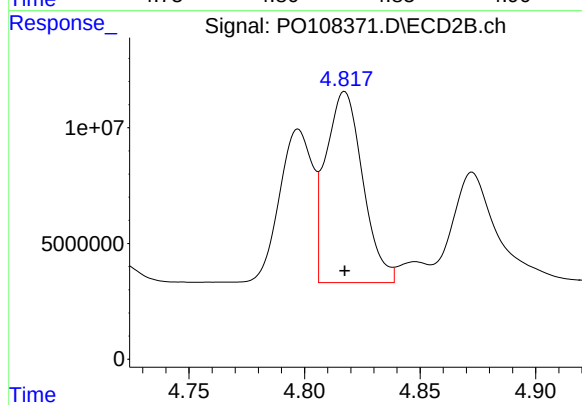
#16 AR-1242-1

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



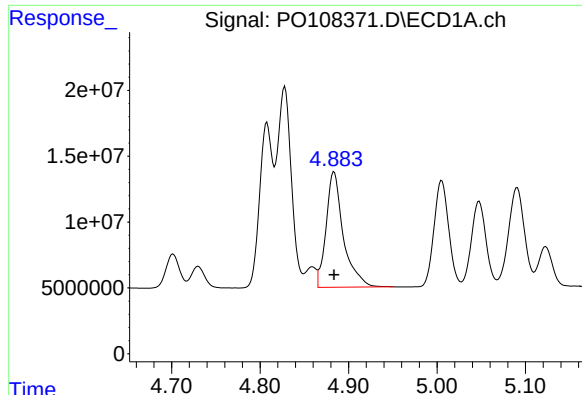
#17 AR-1242-2

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



#17 AR-1242-2

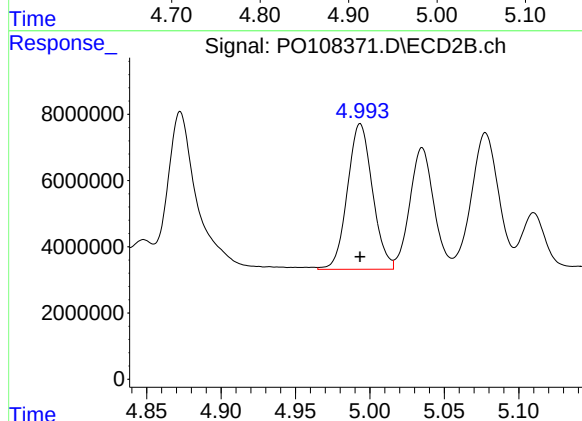
R.T.: 4.817 min
Delta R.T.: 0.000 min
Response: 91631995
Conc: 500.00 ng/ml



#18 AR-1242-3

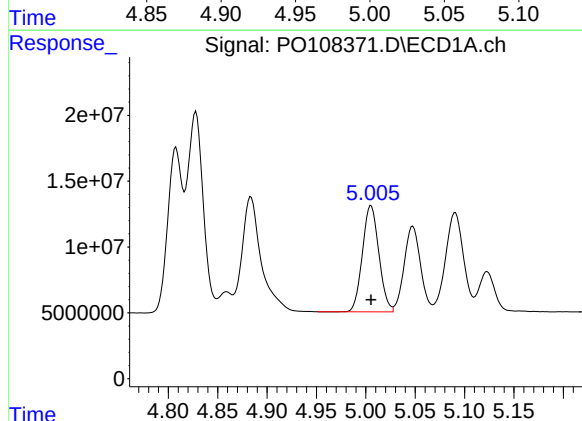
R.T.: 4.884 min
Delta R.T.: 0.000 min
Response: 118985847
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC500



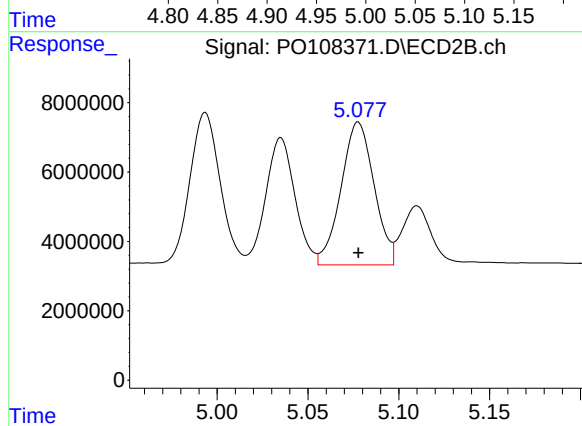
#18 AR-1242-3

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



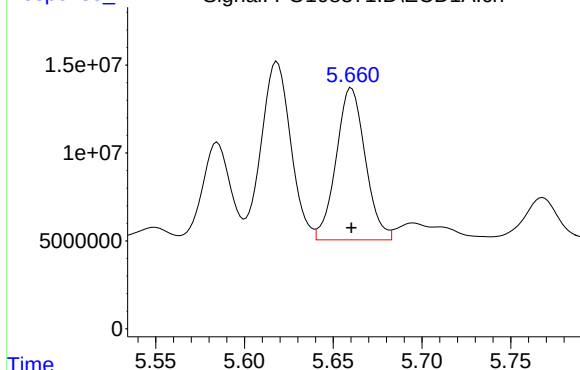
#19 AR-1242-4

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

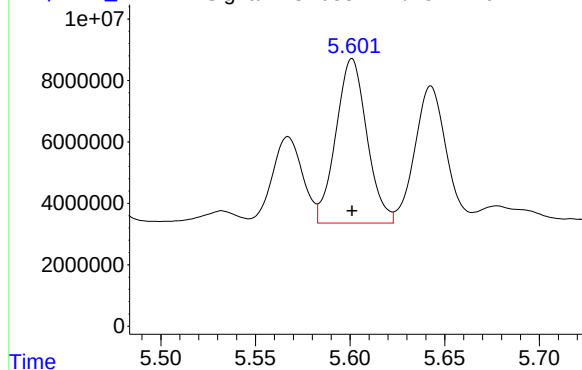
Instrument :
ECD_O
ClientSampleId :
AR1242ICC500

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

Time

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

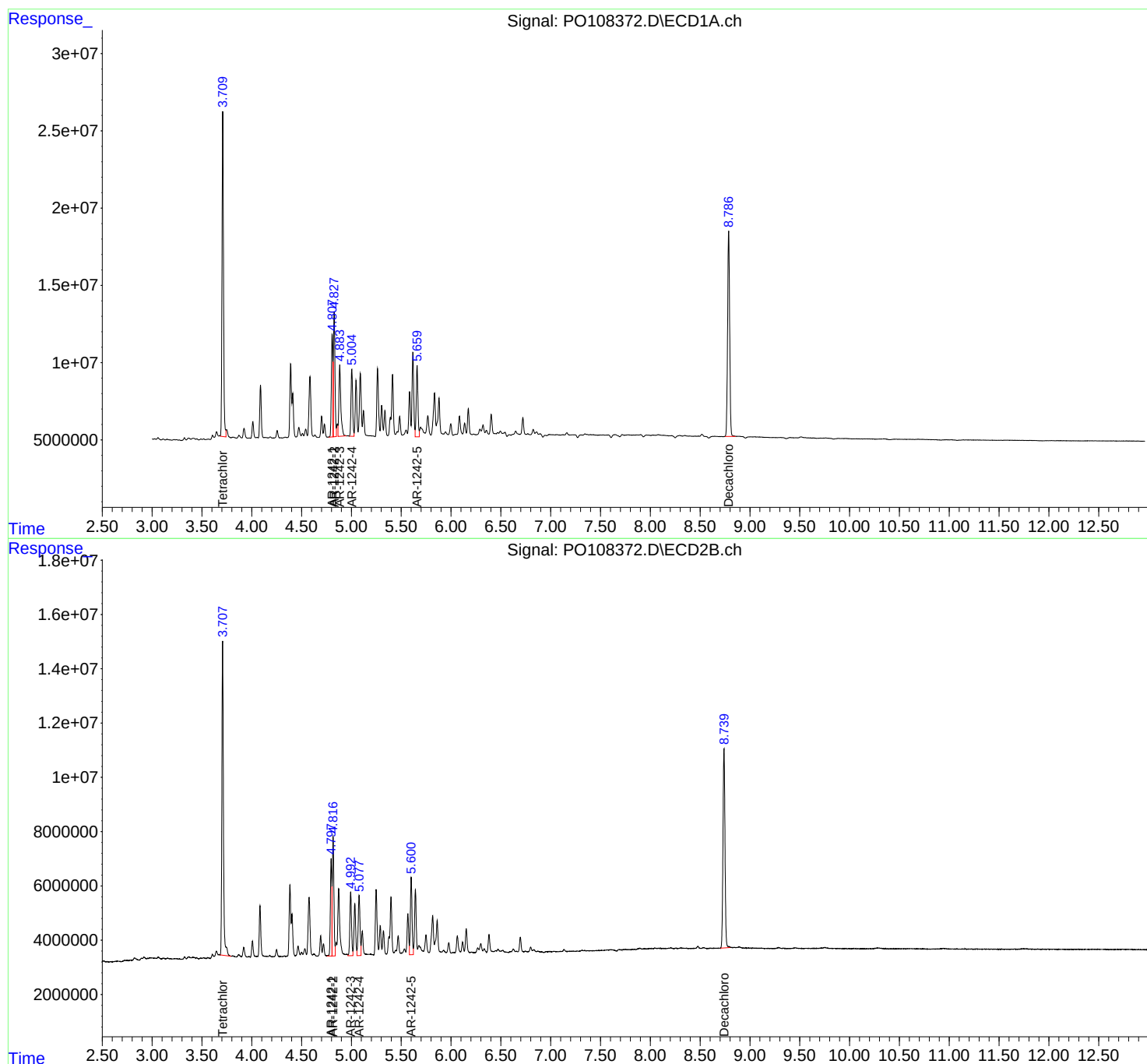
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

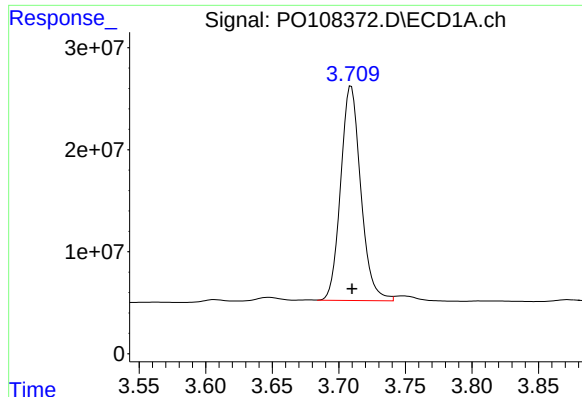
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:23
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

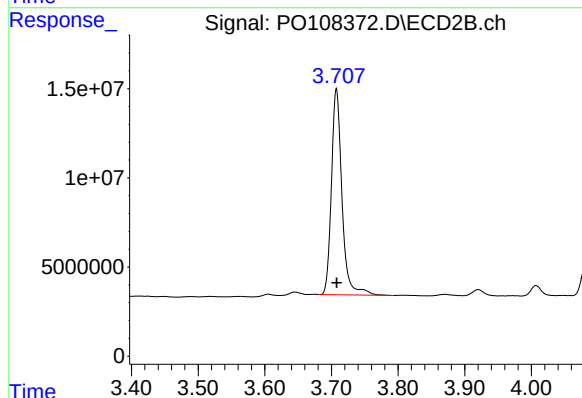




#1 Tetrachloro-m-xylene

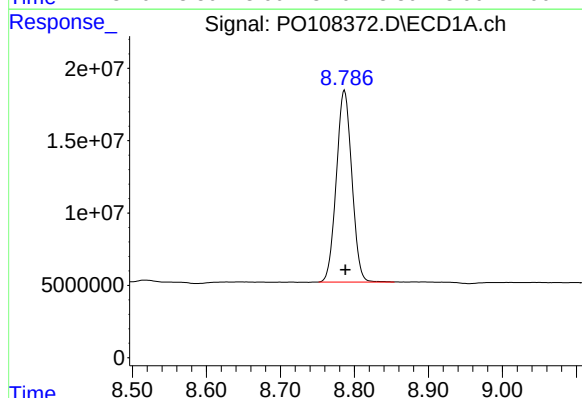
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 221064260
Conc: 25.26 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



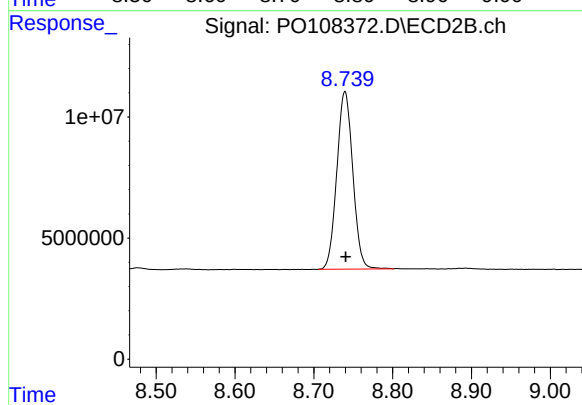
#1 Tetrachloro-m-xylene

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



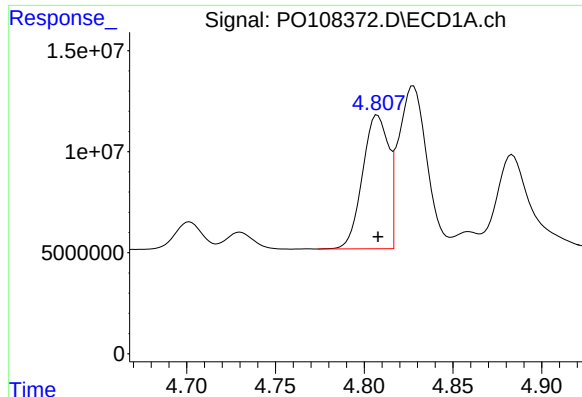
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

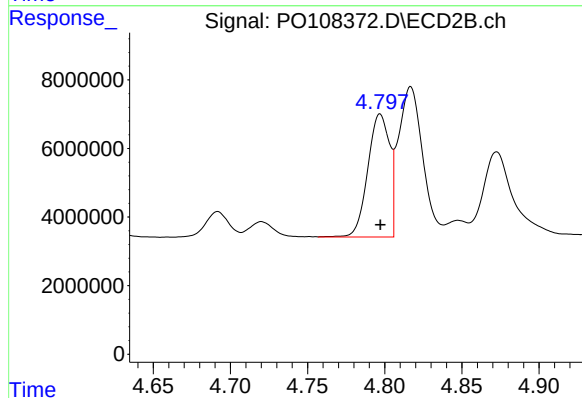
R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 103565808
Conc: 26.34 ng/ml



#16 AR-1242-1

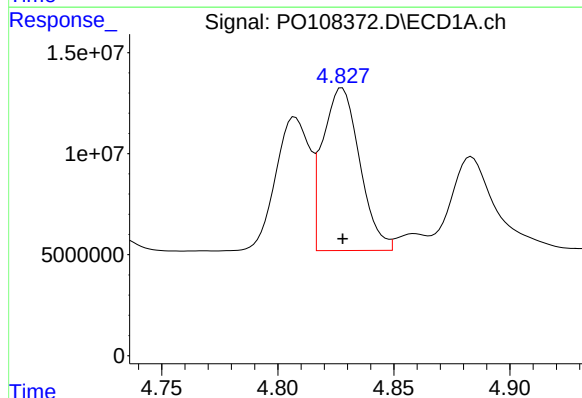
R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 67263038
Conc: 268.44 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



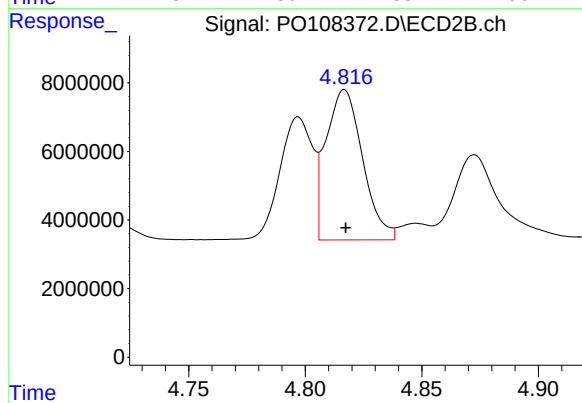
#16 AR-1242-1

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

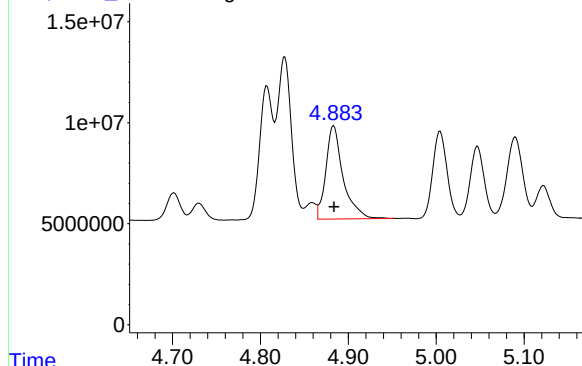
R.T.: 4.817 min
Delta R.T.: 0.000 min
Response: 47903183
Conc: 261.39 ng/ml

Response_ Signal: PO108372.D\ECD1A.ch

#18 AR-1242-3

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

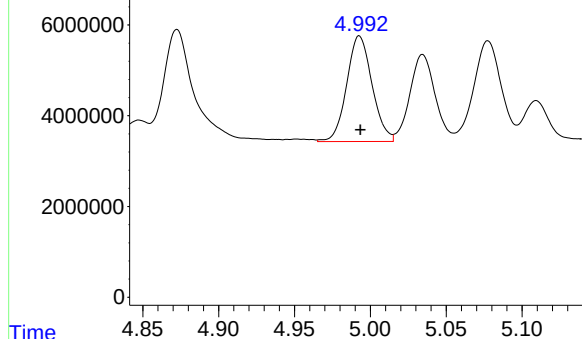
Instrument :
ECD_O
ClientSampleId :
AR1242ICC250



Time Response_ Signal: PO108372.D\ECD2B.ch

#18 AR-1242-3

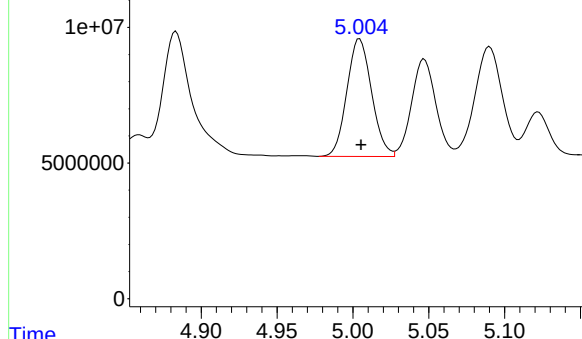
R.T.: 4.993 min
Delta R.T.: 0.000 min
Response: 27129555
Conc: 263.53 ng/ml



Time Response_ Signal: PO108372.D\ECD1A.ch

#19 AR-1242-4

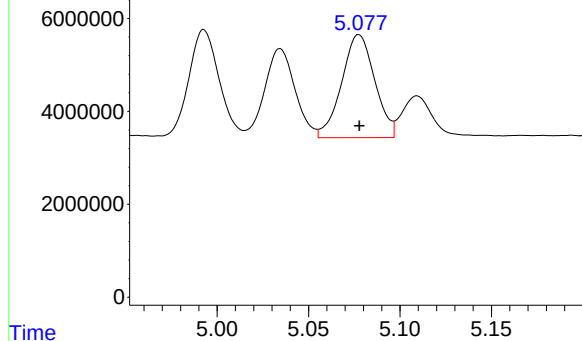
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 49135003
Conc: 262.82 ng/ml

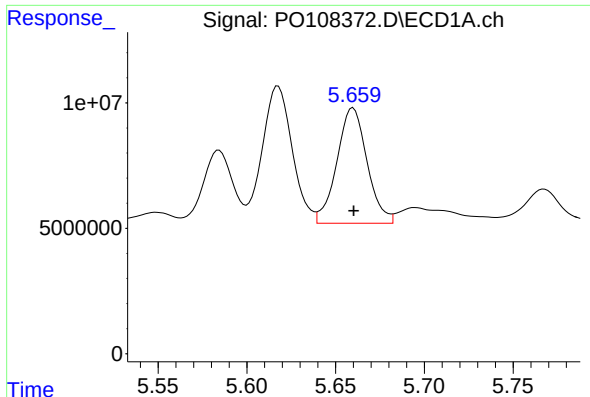


Time Response_ Signal: PO108372.D\ECD2B.ch

#19 AR-1242-4

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

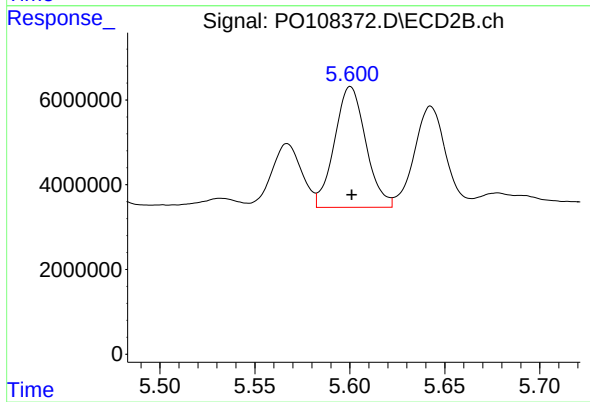




#20 AR-1242-5

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

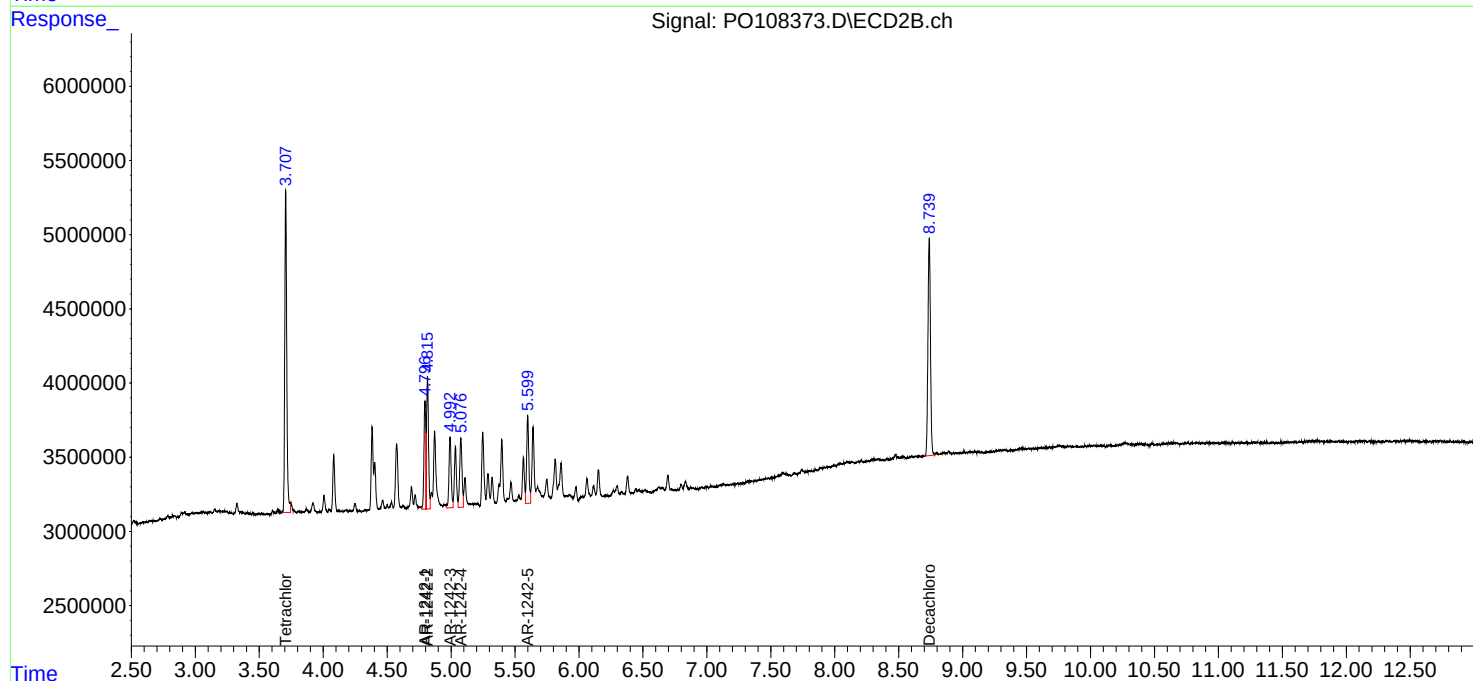
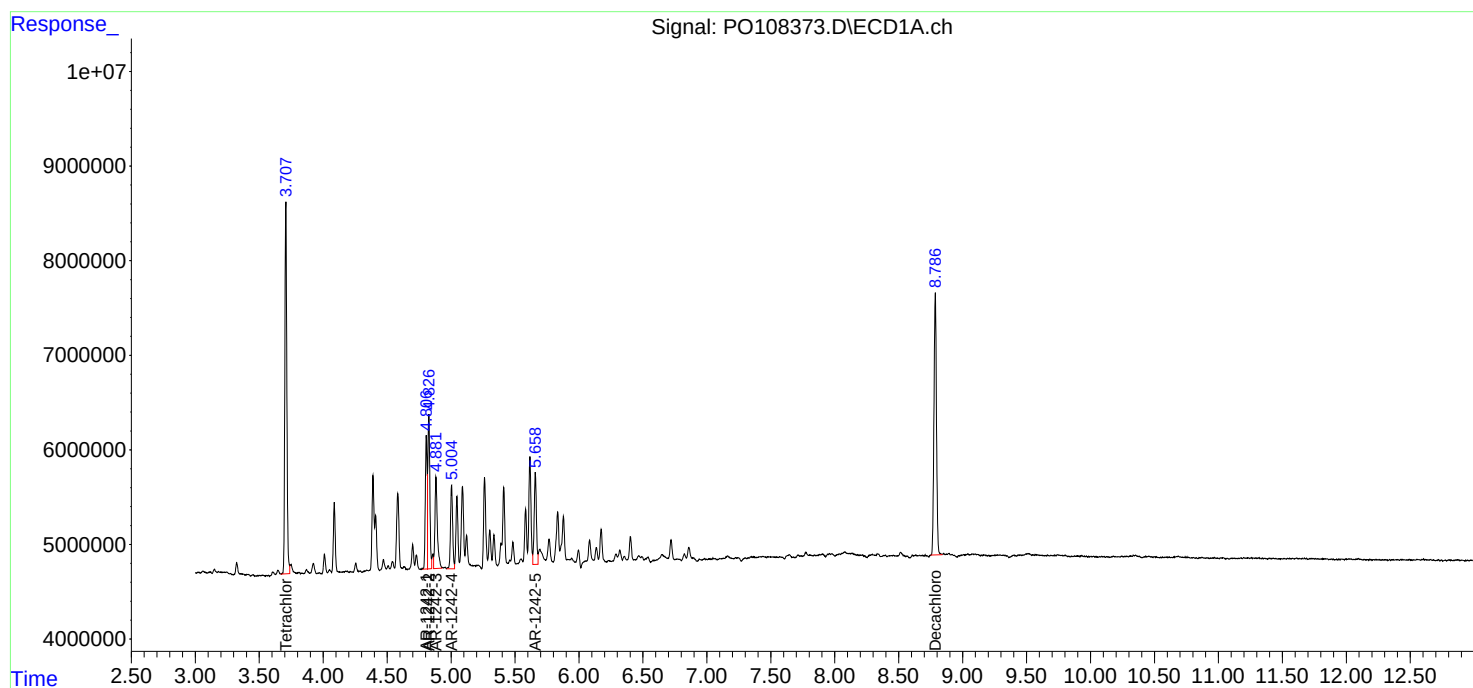
Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

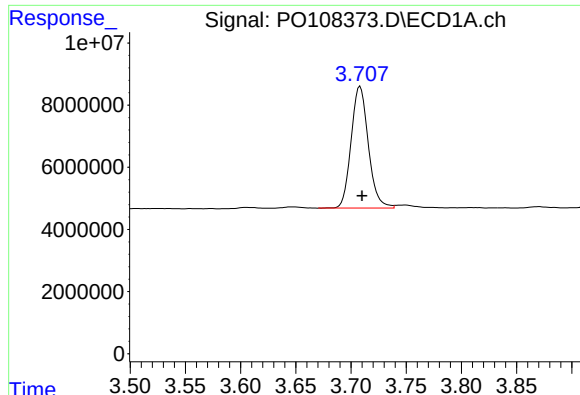
Manual Integrations
APPROVED

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





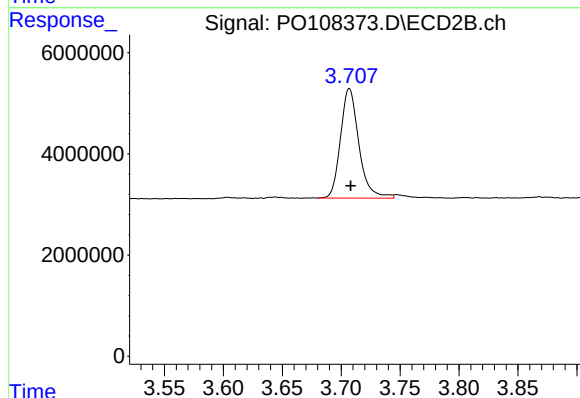
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

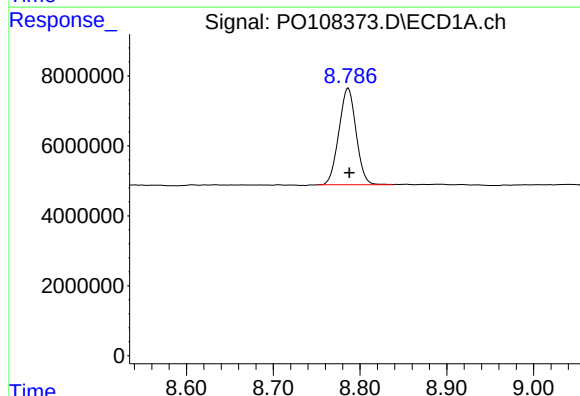
Manual Integrations
APPROVED

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



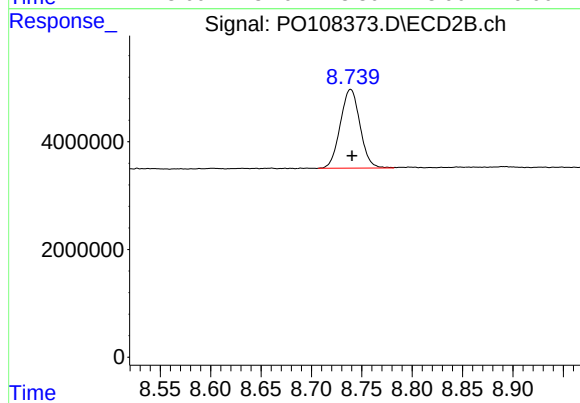
#1 Tetrachloro-m-xylene

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



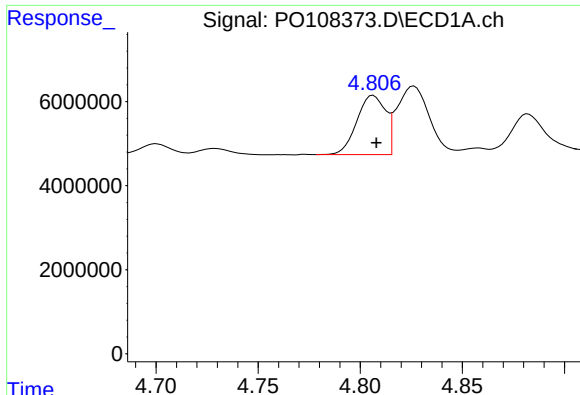
#2 Decachlorobiphenyl

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



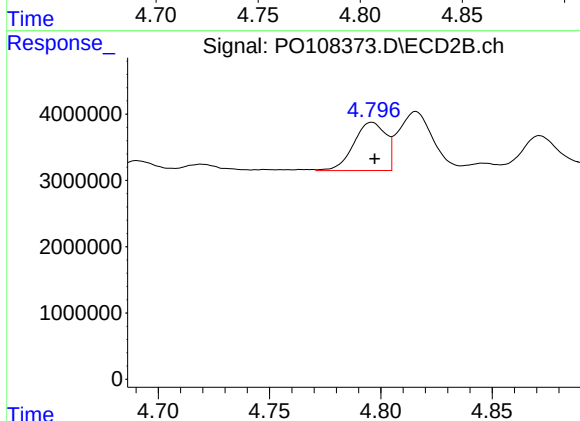
#16 AR-1242-1

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

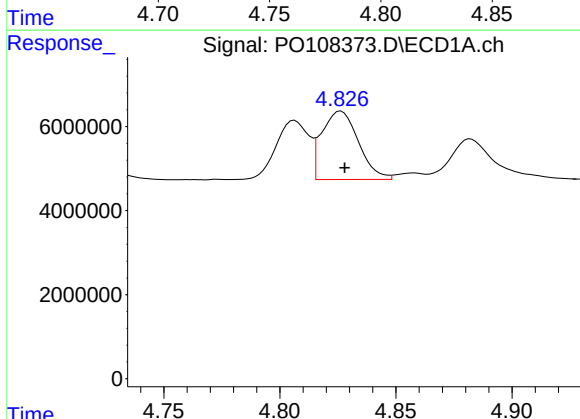
Manual Integrations
APPROVED

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



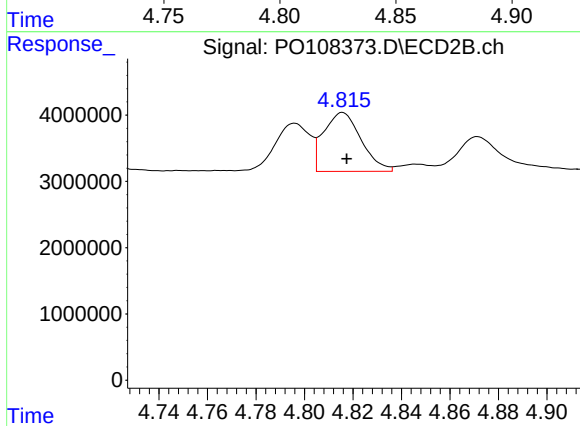
#16 AR-1242-1

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



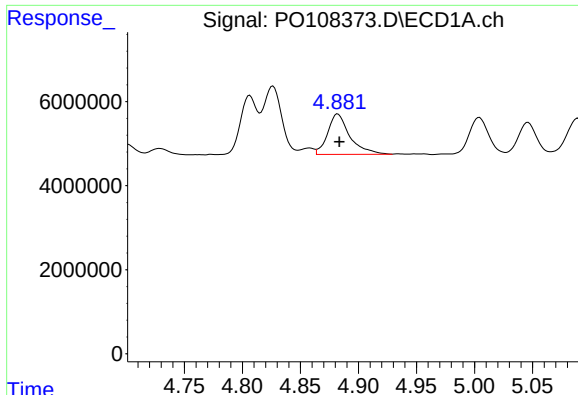
#17 AR-1242-2

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



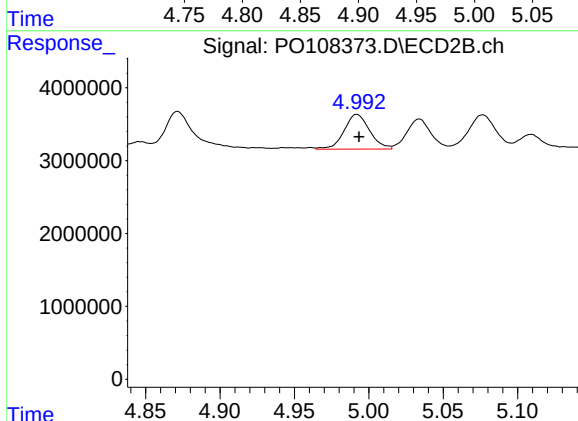
#18 AR-1242-3

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

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050

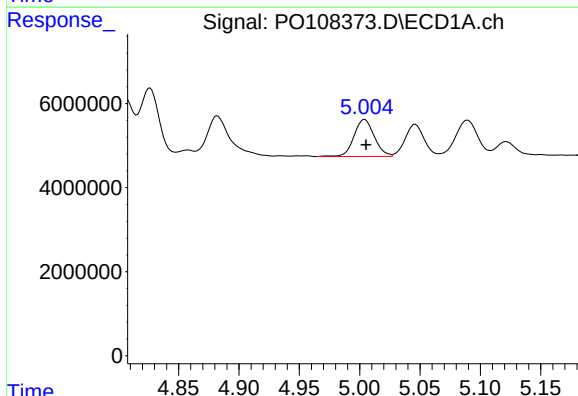
Manual Integrations
APPROVED

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



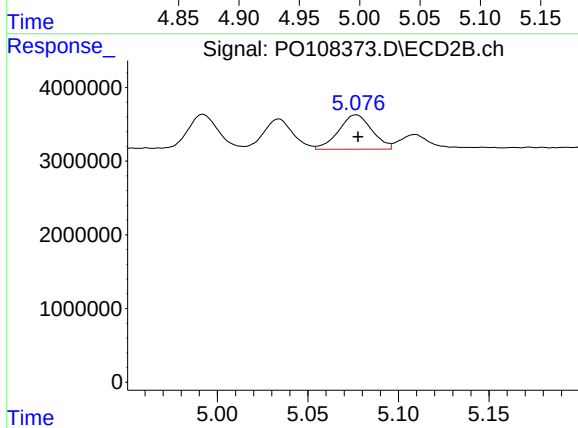
#18 AR-1242-3

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



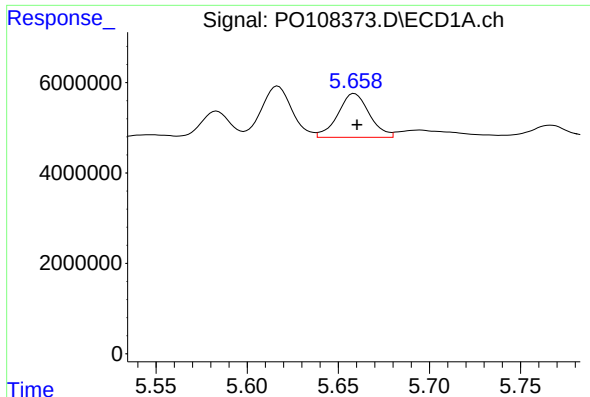
#19 AR-1242-4

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



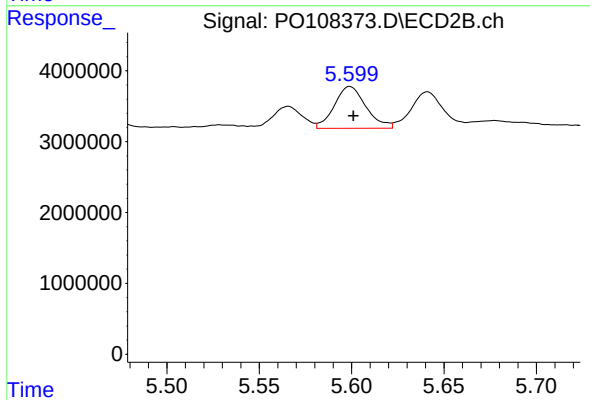
#20 AR-1242-5

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

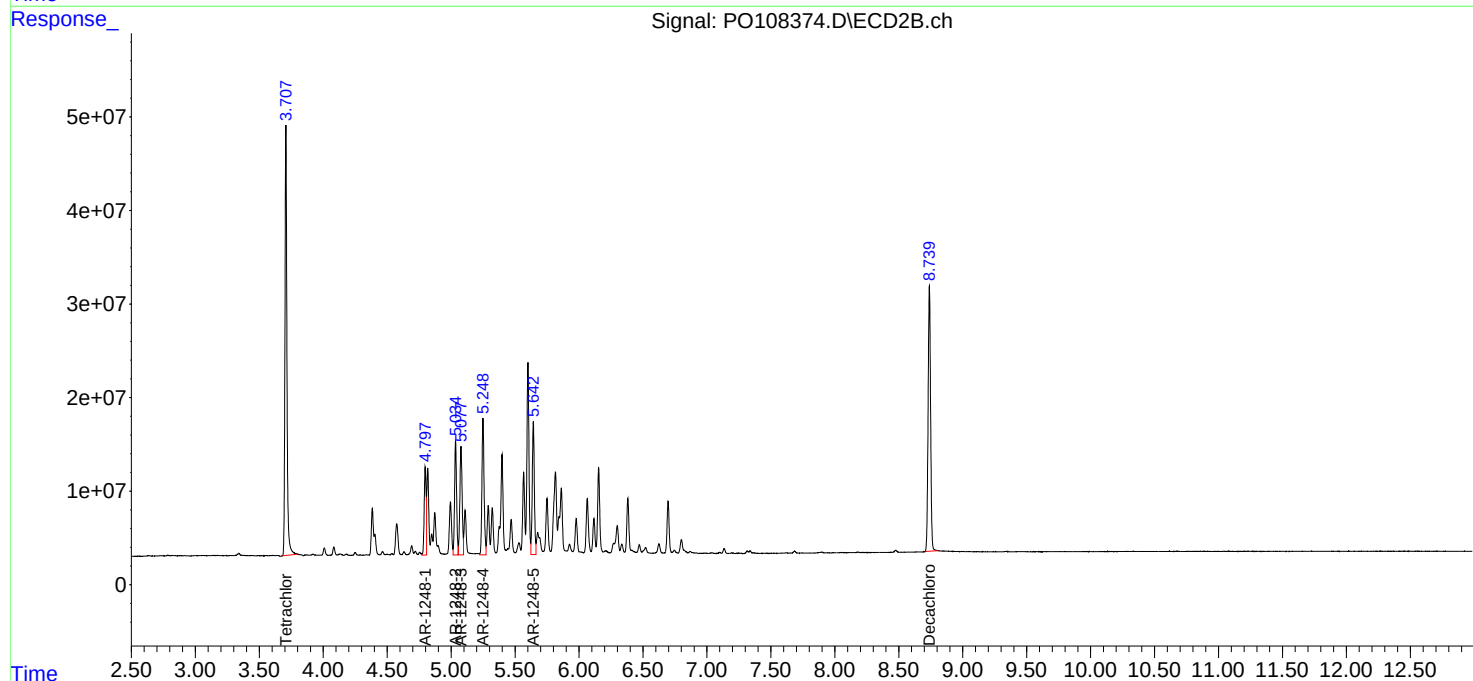
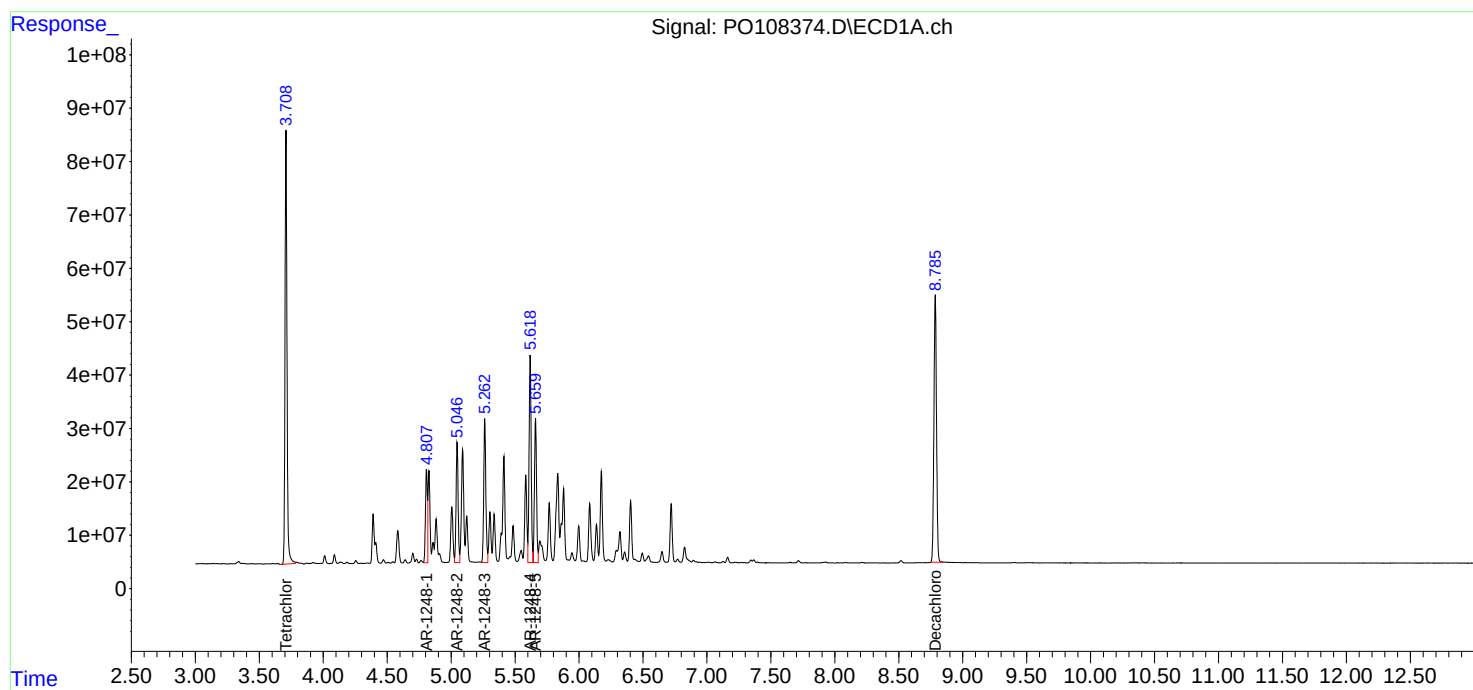
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

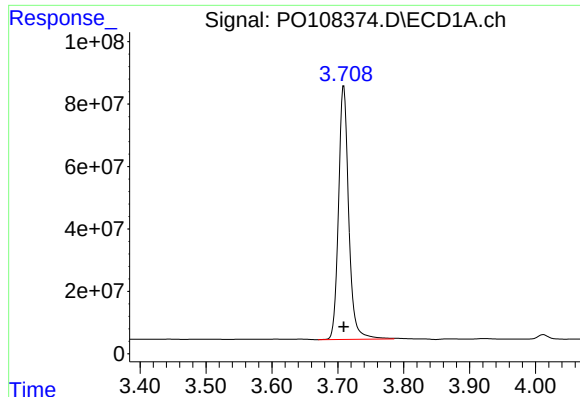
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:59
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

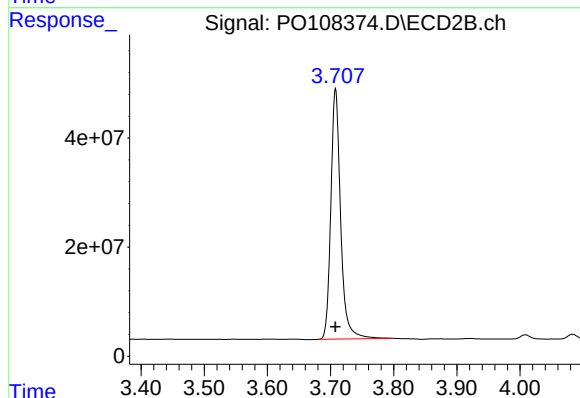




#1 Tetrachloro-m-xylene

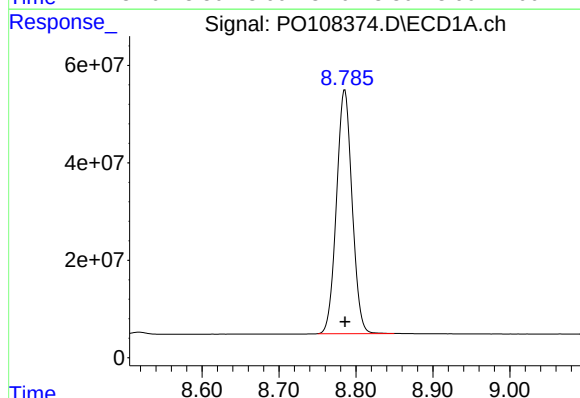
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 874248309
Conc: 93.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



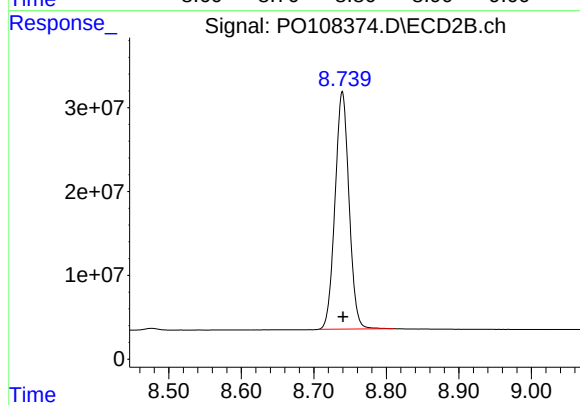
#1 Tetrachloro-m-xylene

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

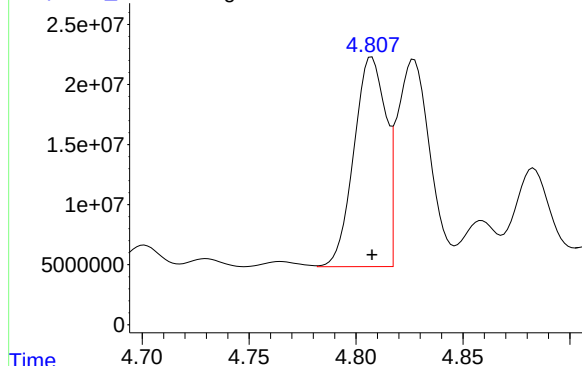
R.T.: 8.739 min
Delta R.T.: -0.001 min
Response: 381224993
Conc: 91.96 ng/ml

Response_ Signal: PO108374.D\ECD1A.ch

#21 AR-1248-1

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

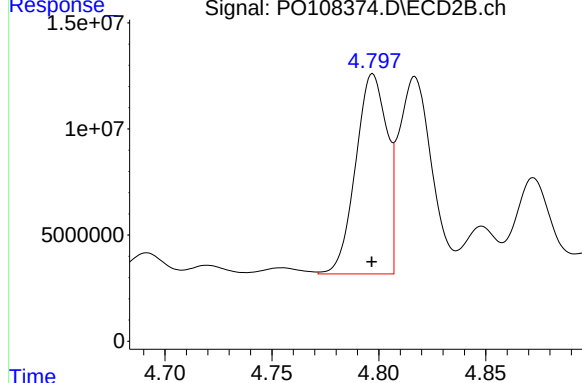
Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



Time Response_ Signal: PO108374.D\ECD2B.ch

#21 AR-1248-1

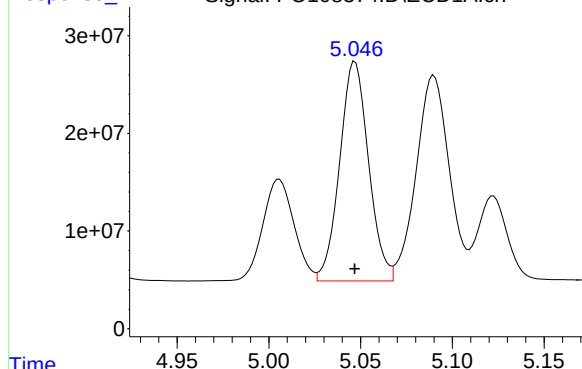
R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 96151235
Conc: 905.31 ng/ml



Time Response_ Signal: PO108374.D\ECD1A.ch

#22 AR-1248-2

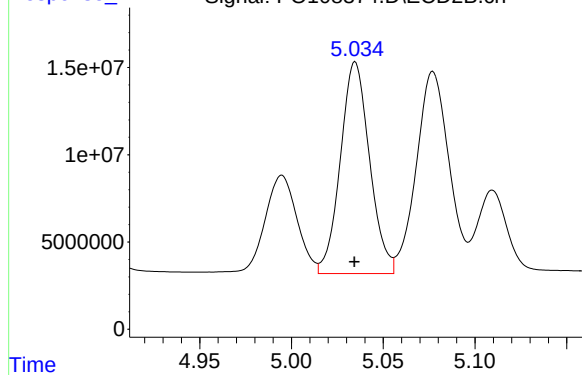
R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 246301061
Conc: 889.47 ng/ml

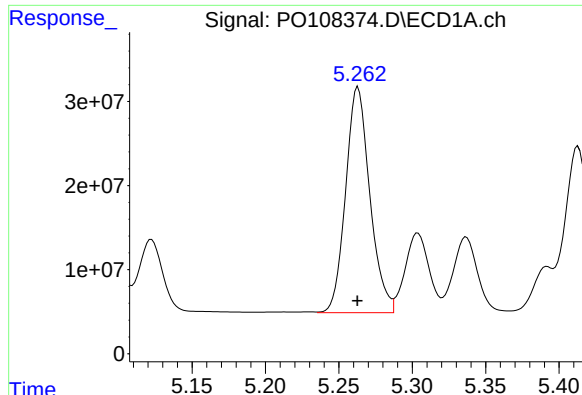


Time Response_ Signal: PO108374.D\ECD2B.ch

#22 AR-1248-2

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

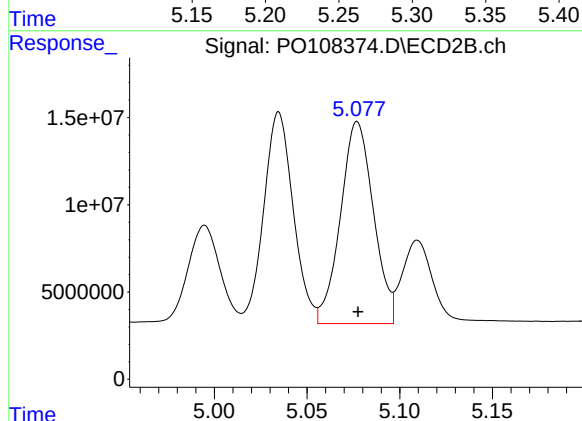




#23 AR-1248-3

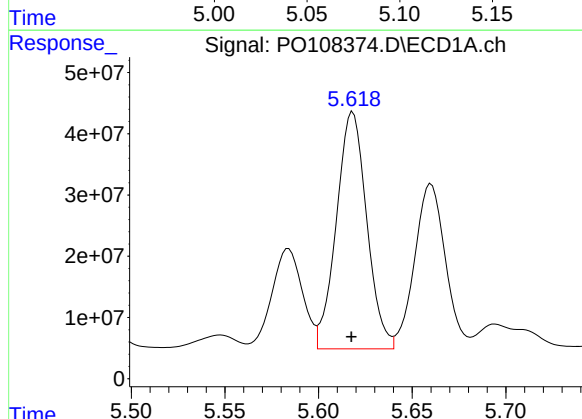
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 307776547
Conc: 899.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC1000



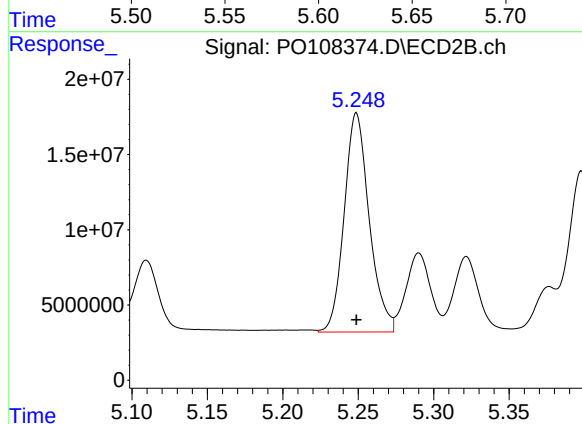
#23 AR-1248-3

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



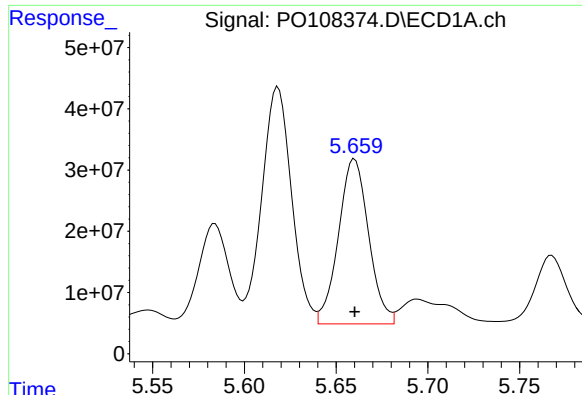
#24 AR-1248-4

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



#24 AR-1248-4

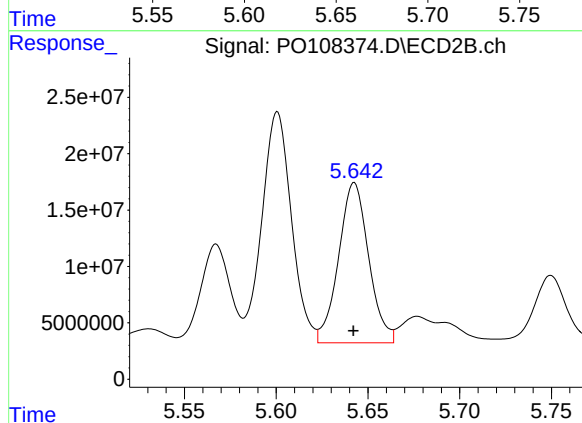
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 168393487
Conc: 911.15 ng/ml



#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

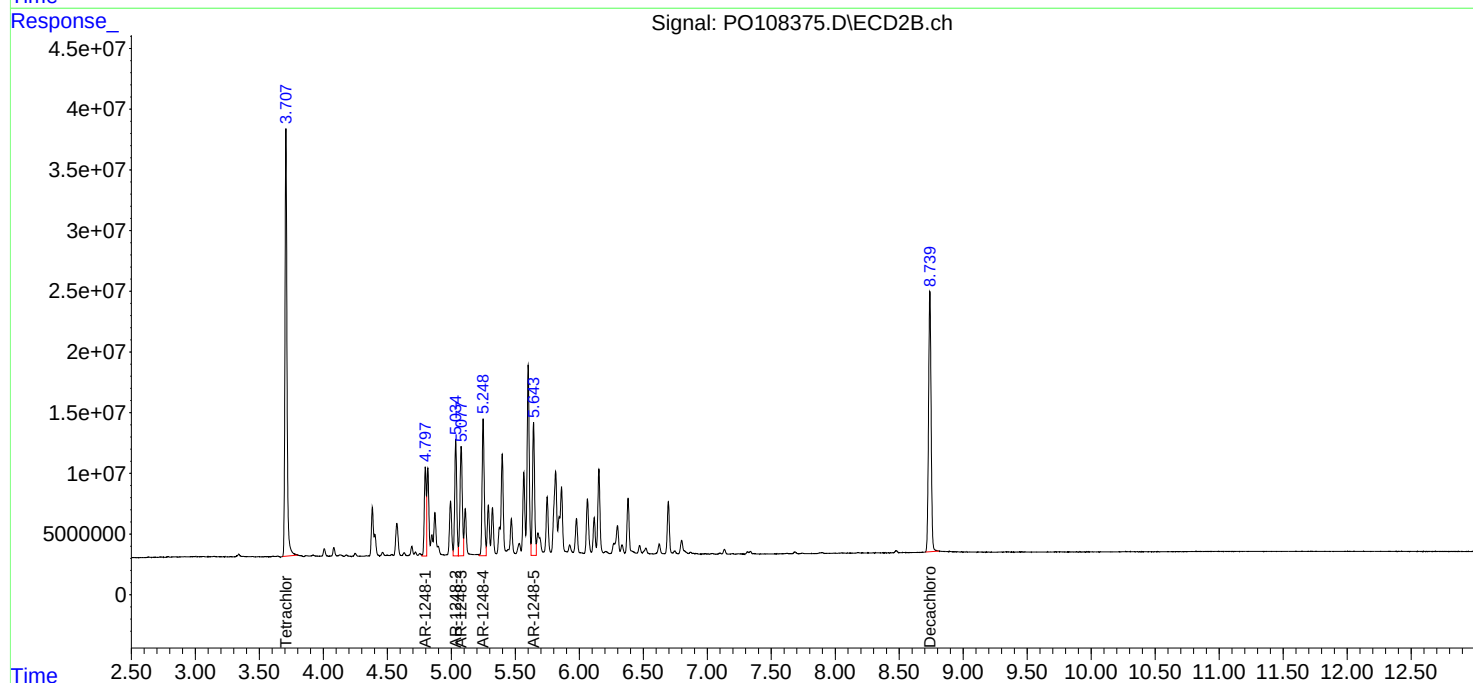
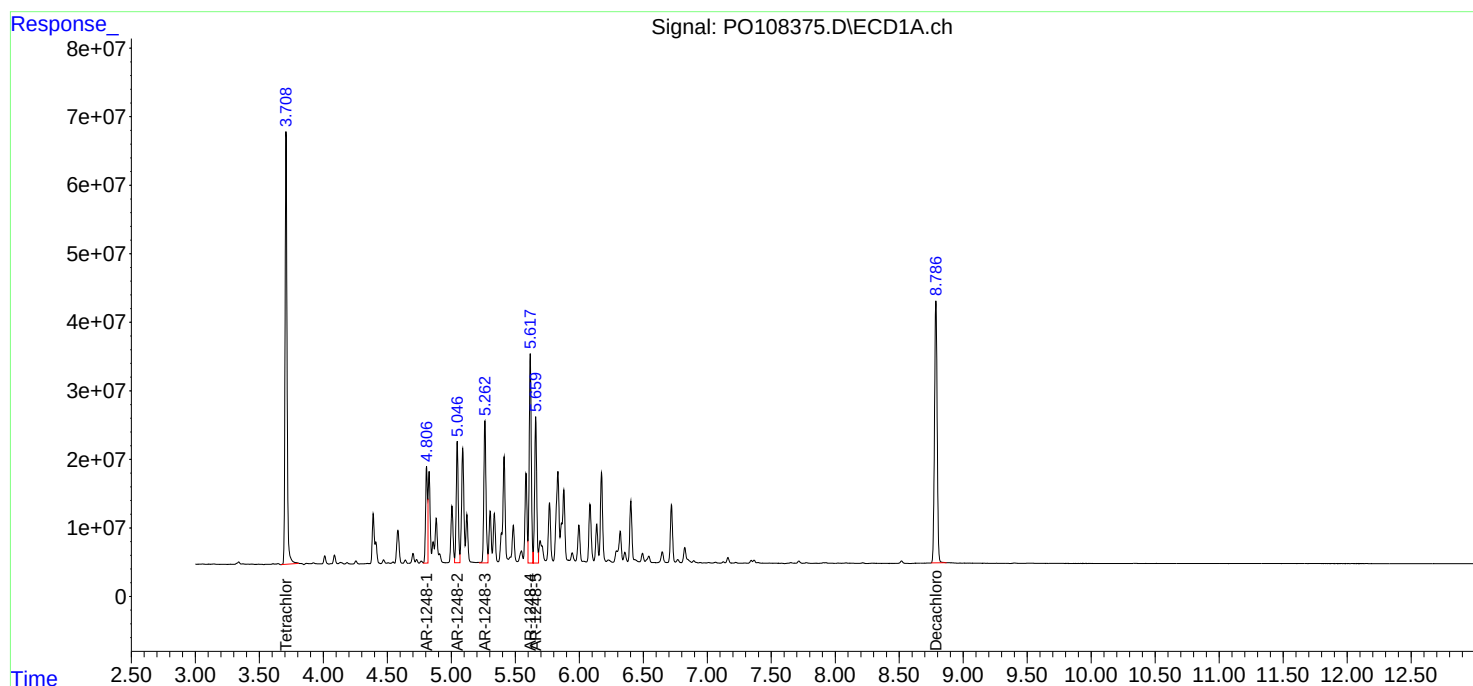
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

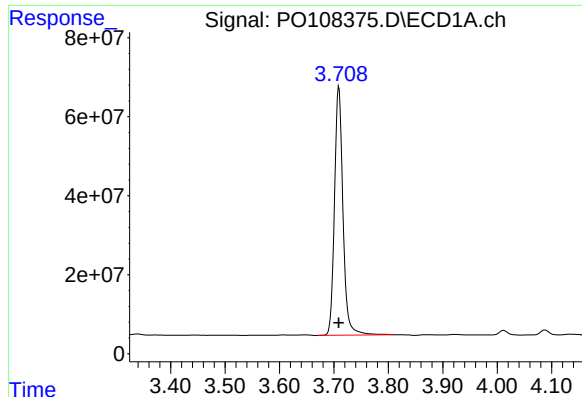
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:18
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

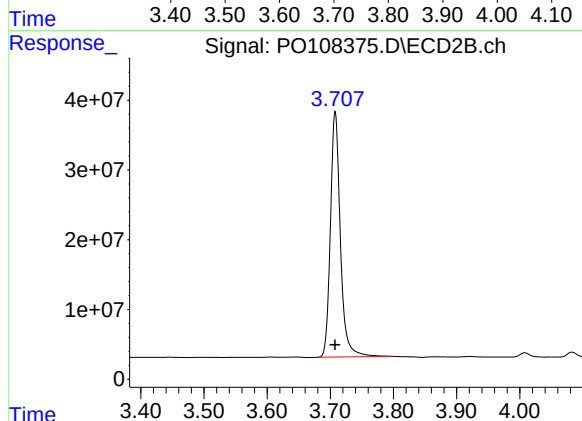




#1 Tetrachloro-m-xylene

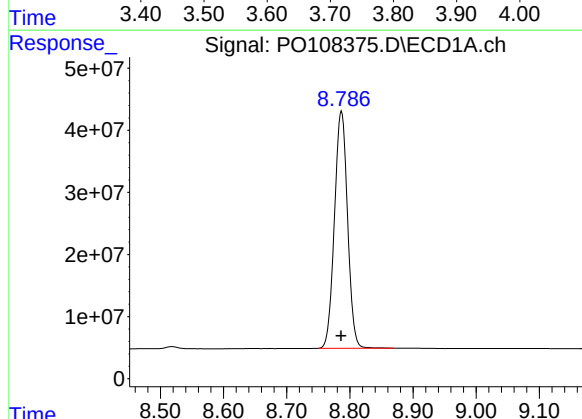
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 683755859
Conc: 73.19 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



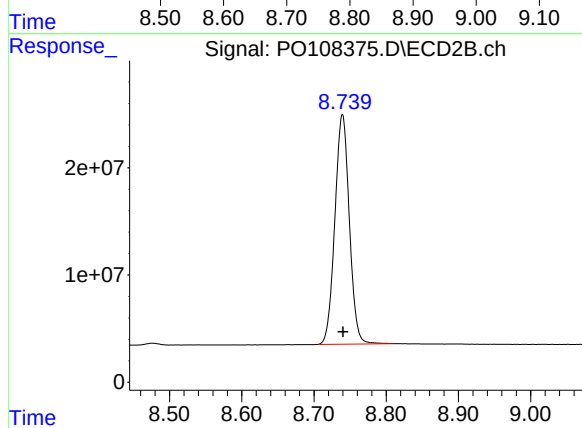
#1 Tetrachloro-m-xylene

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



#2 Decachlorobiphenyl

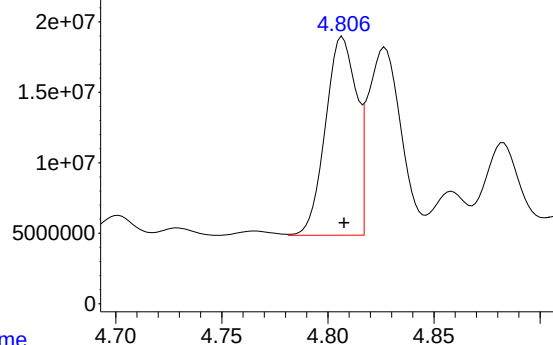
R.T.: 8.787 min
Delta R.T.: 0.000 min
Response: 550500140
Conc: 71.70 ng/ml



#2 Decachlorobiphenyl

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

Response_ Signal: PO108375.D\ECD1A.ch

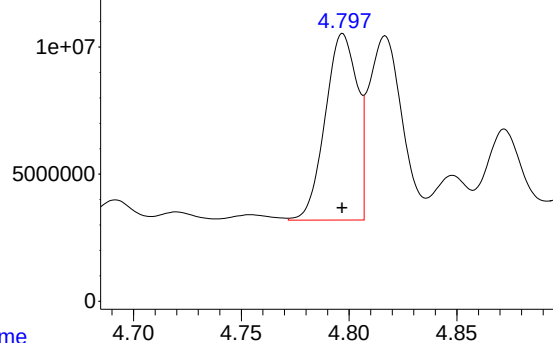


#21 AR-1248-1

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750

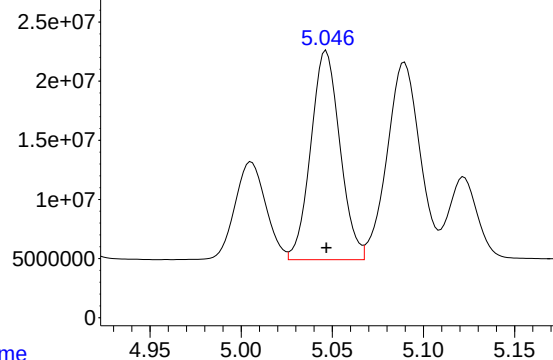
Time Response_ Signal: PO108375.D\ECD2B.ch



#21 AR-1248-1

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

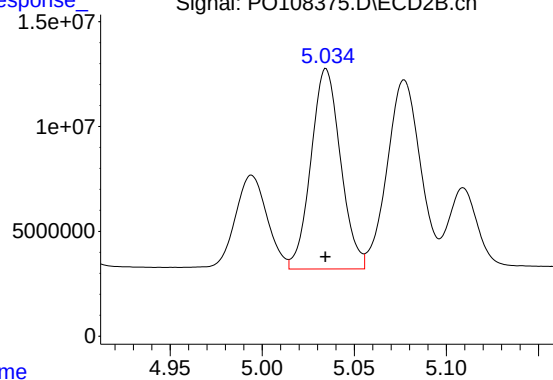
Time Response_ Signal: PO108375.D\ECD1A.ch



#22 AR-1248-2

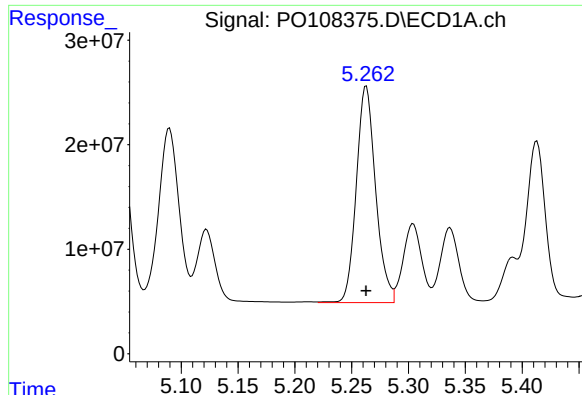
R.T.: 5.047 min
Delta R.T.: 0.000 min
Response: 196768011
Conc: 710.59 ng/ml

Time Response_ Signal: PO108375.D\ECD2B.ch



#22 AR-1248-2

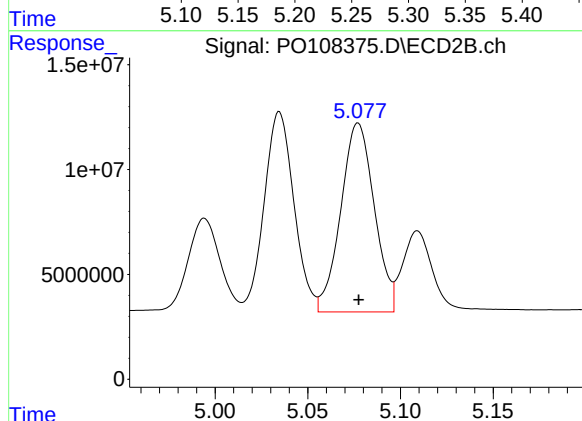
R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 106888220
Conc: 711.52 ng/ml



#23 AR-1248-3

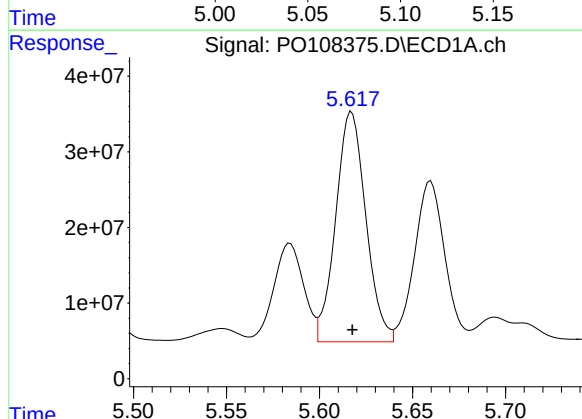
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 244859698
Conc: 715.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC750



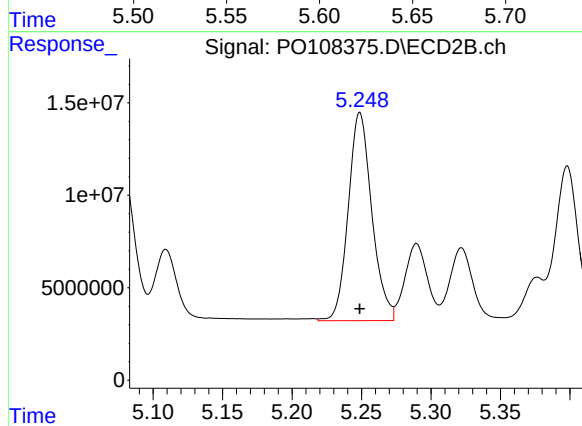
#23 AR-1248-3

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



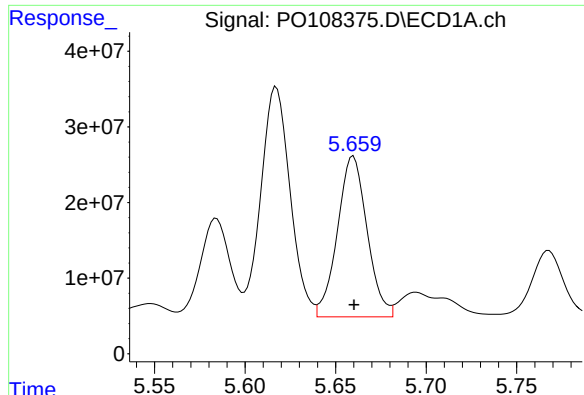
#24 AR-1248-4

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



#24 AR-1248-4

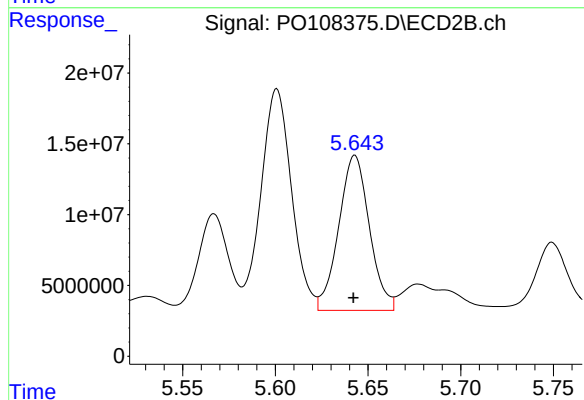
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 132974402
Conc: 719.50 ng/ml



#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

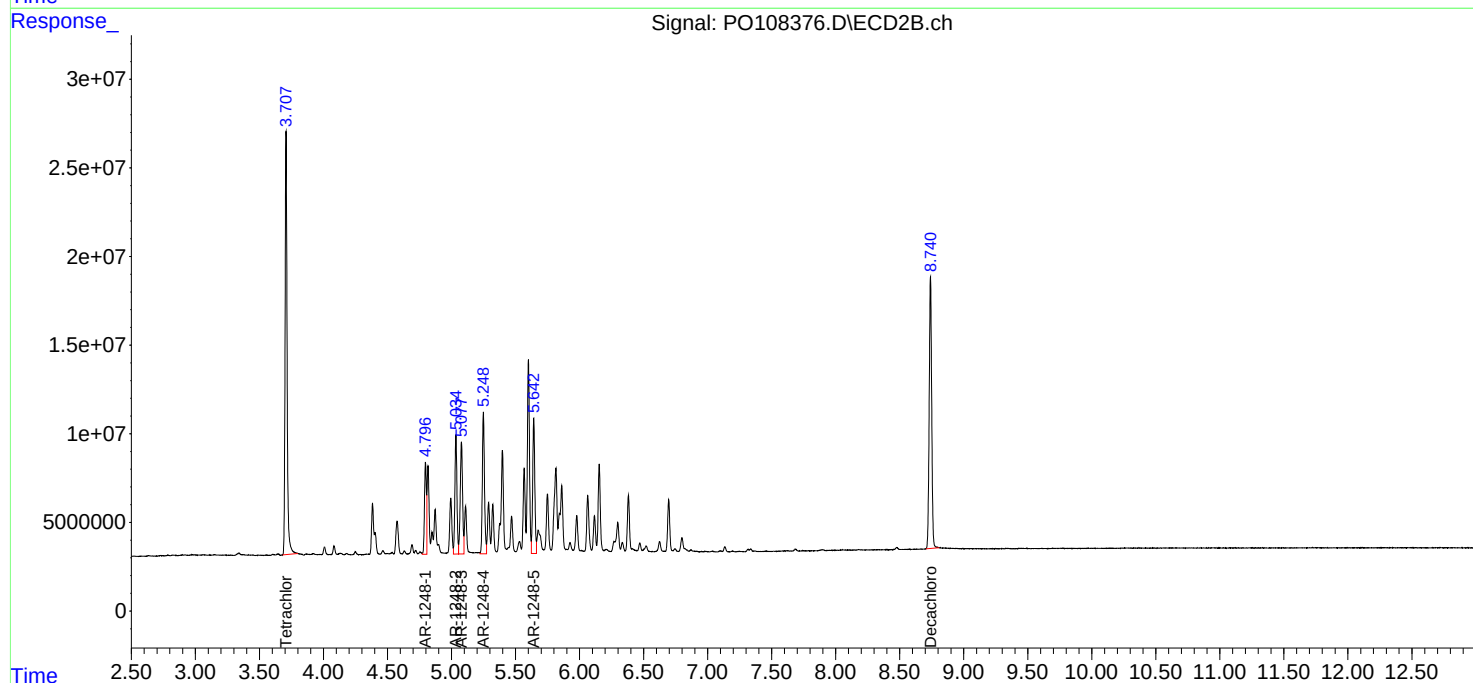
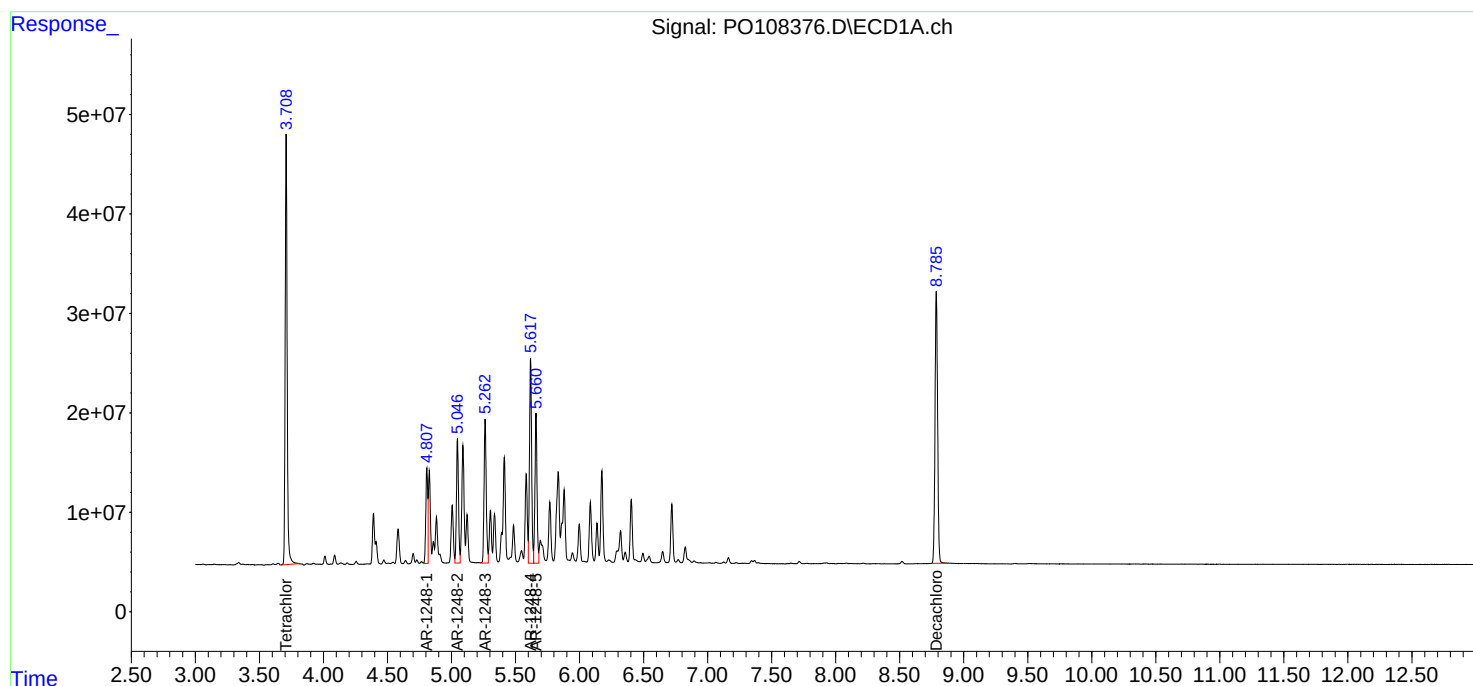
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

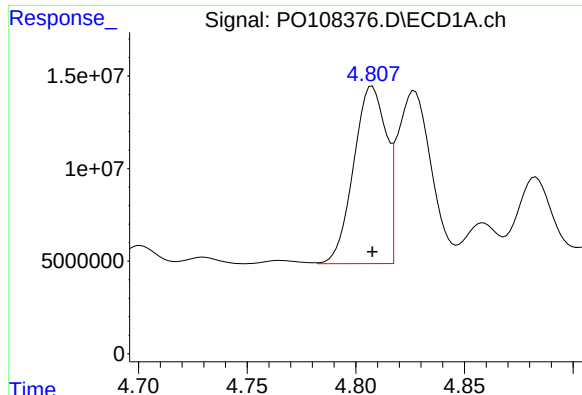
Time

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

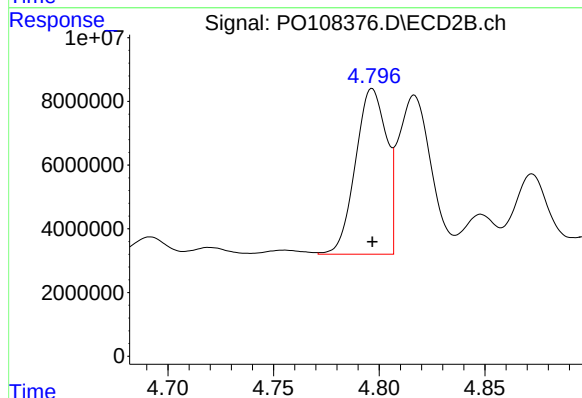
Time



#21 AR-1248-1

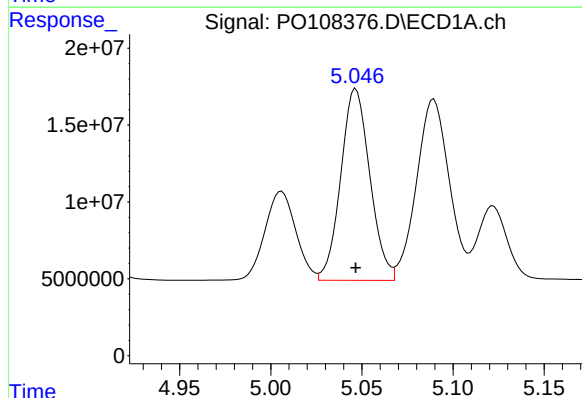
R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 99951066
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



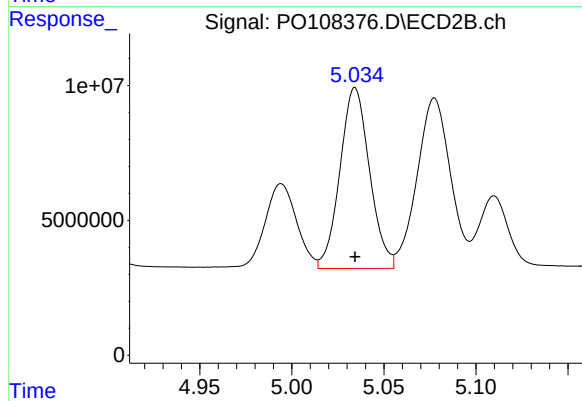
#21 AR-1248-1

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



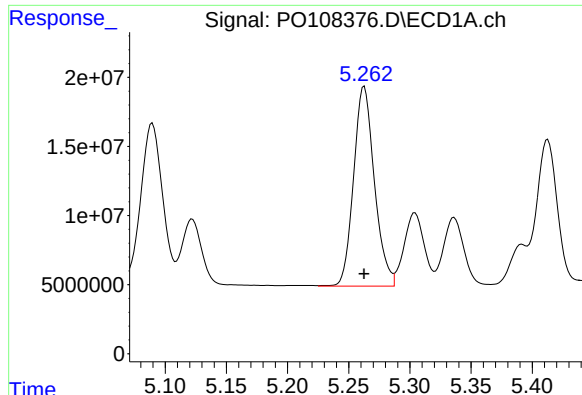
#22 AR-1248-2

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



#22 AR-1248-2

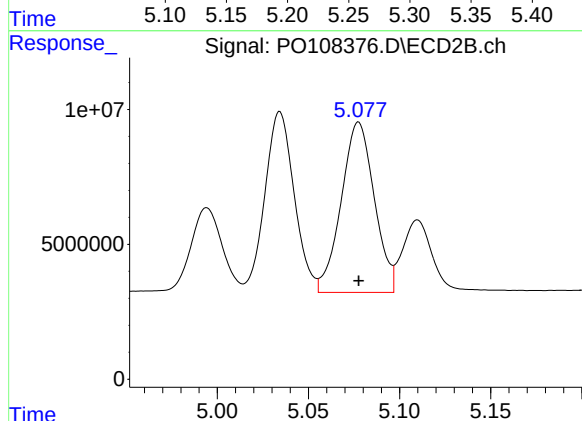
R.T.: 5.034 min
Delta R.T.: 0.000 min
Response: 75113048
Conc: 500.00 ng/ml



#23 AR-1248-3

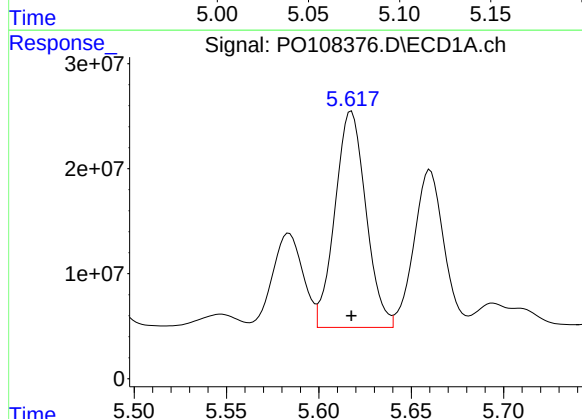
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 171160853
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC500



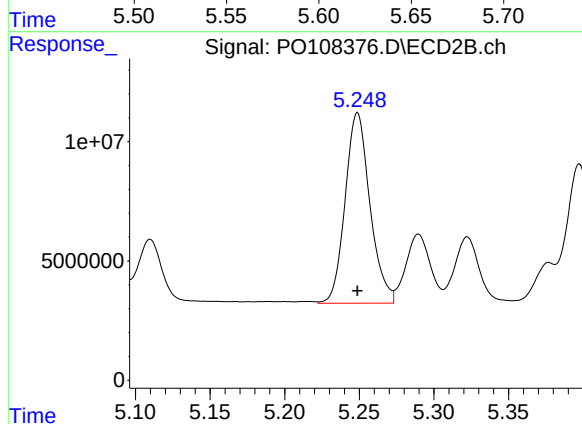
#23 AR-1248-3

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



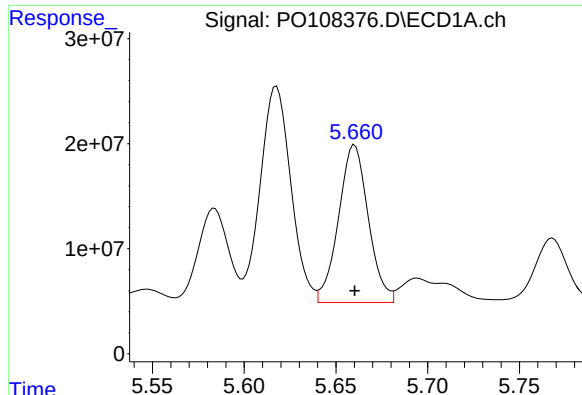
#24 AR-1248-4

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



#24 AR-1248-4

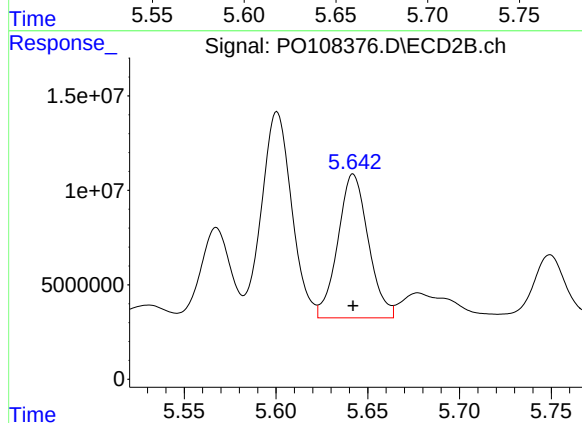
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 92406937
Conc: 500.00 ng/ml



#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

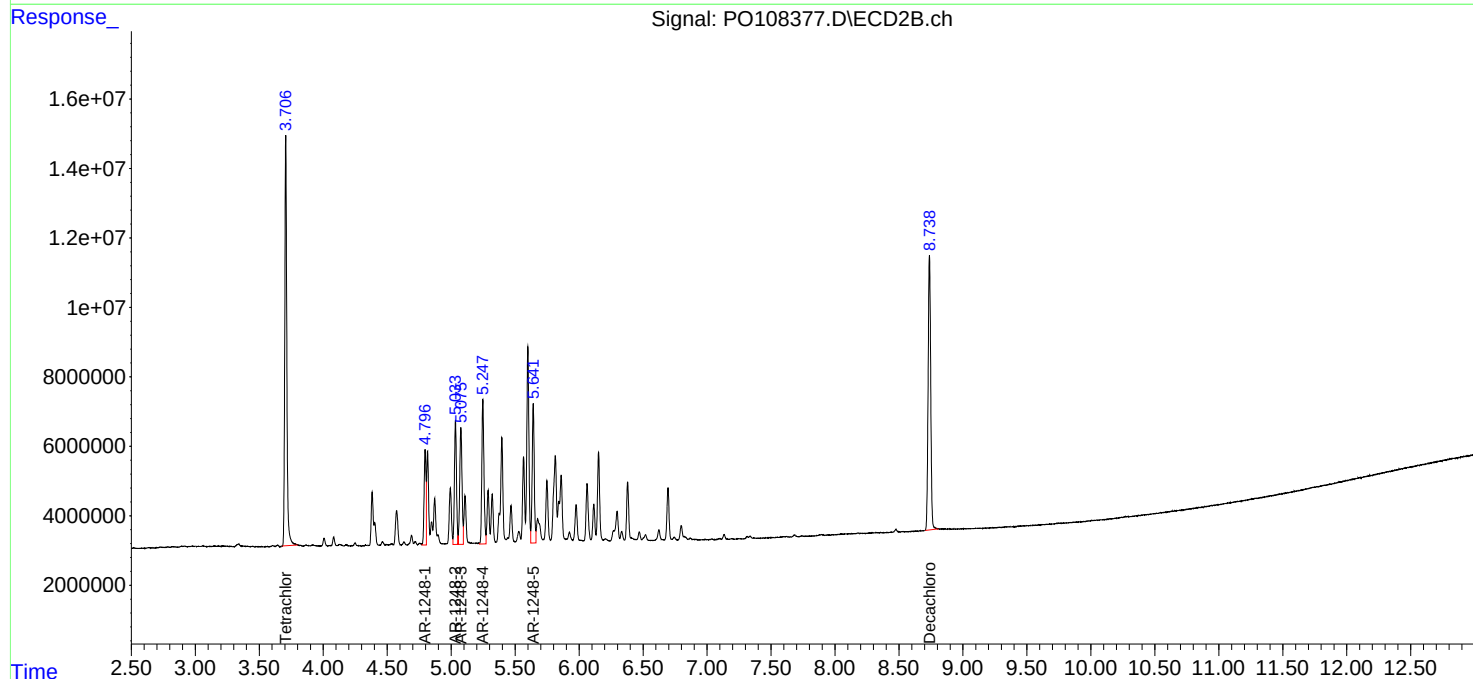
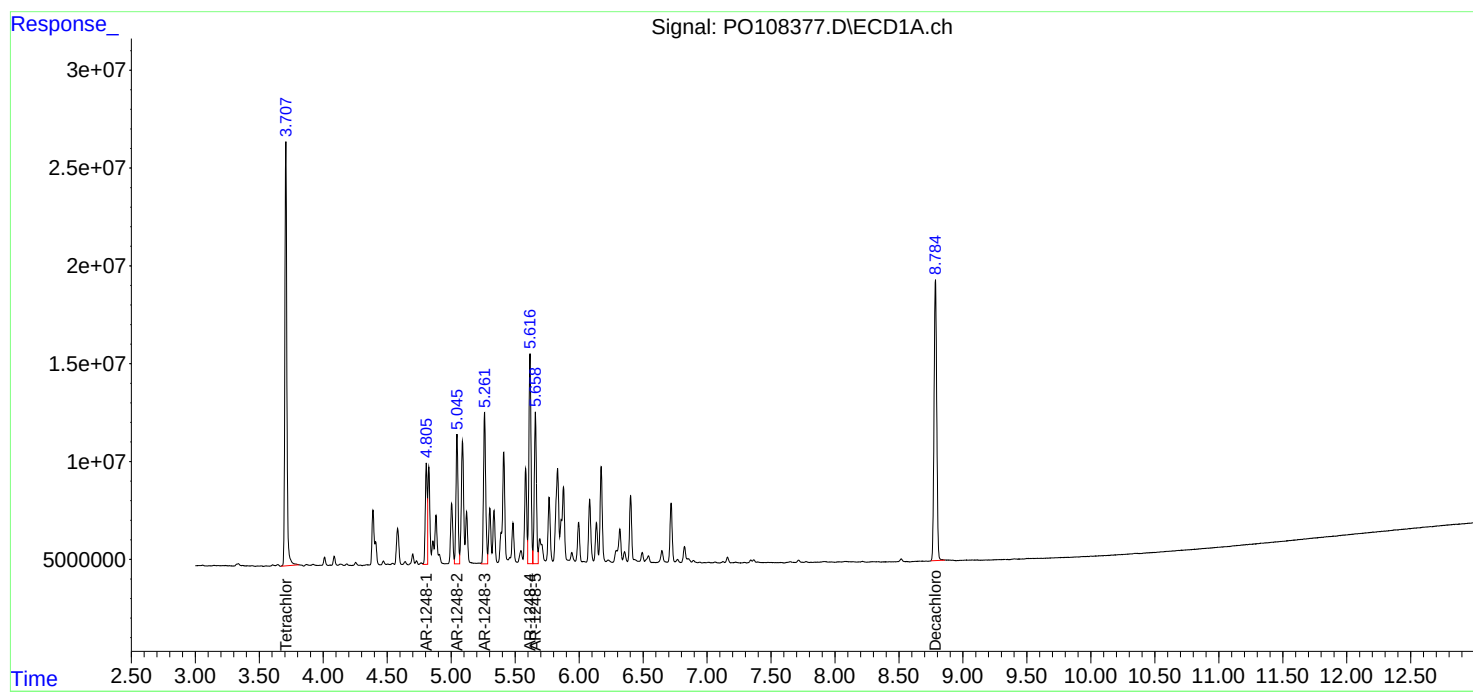
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

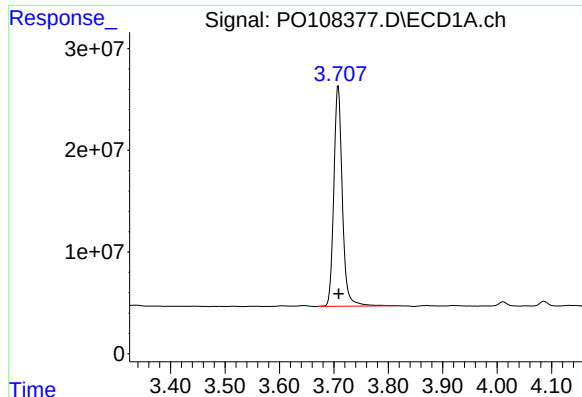
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108377.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 18:54
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

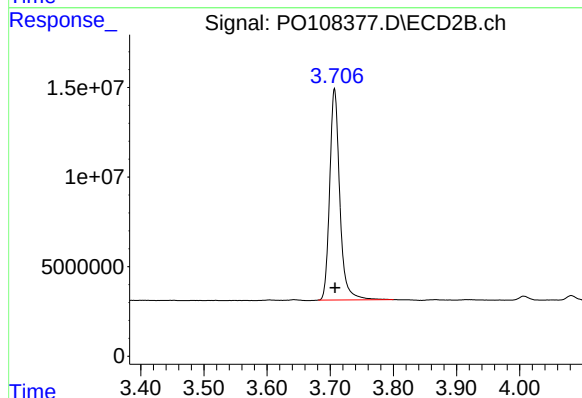




#1 Tetrachloro-m-xylene

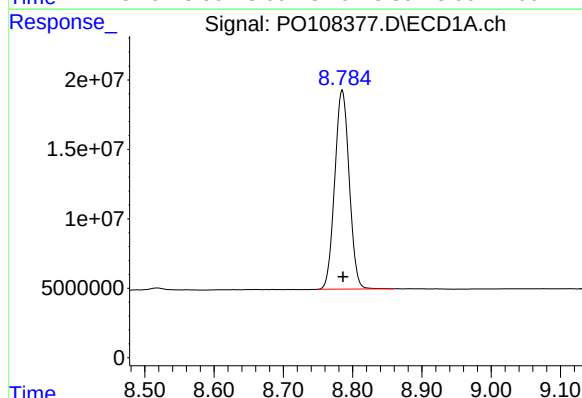
R.T.: 3.708 min
Delta R.T.: -0.001 min
Response: 236174076
Conc: 25.28 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



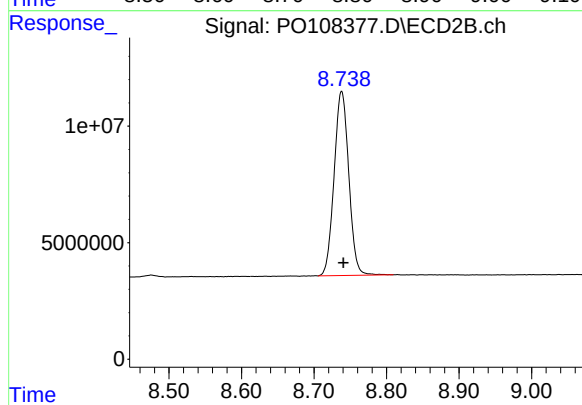
#1 Tetrachloro-m-xylene

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



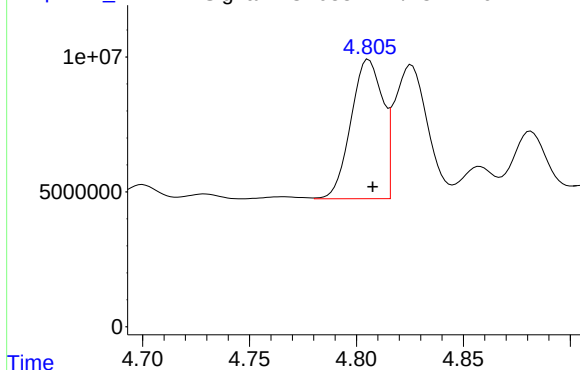
#2 Decachlorobiphenyl

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



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

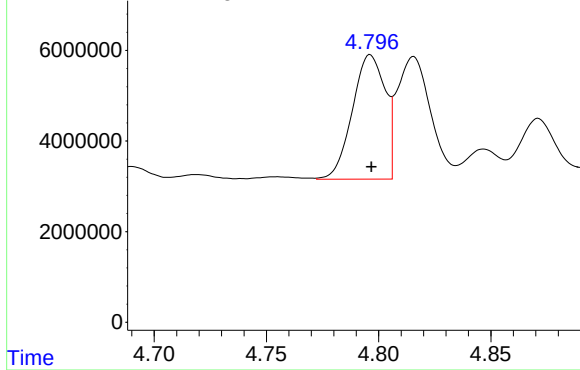
Instrument :
ECD_O
ClientSampleId :
AR1248ICC250

Time

Response_

Signal: PO108377.D\ECD2B.ch

#21 AR-1248-1



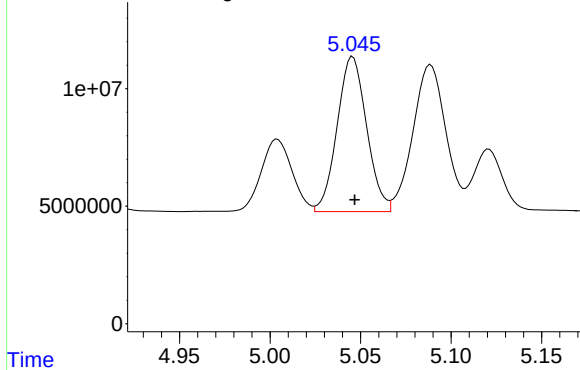
R.T.: 4.796 min
Delta R.T.: 0.000 min
Response: 27878130
Conc: 262.49 ng/ml

Time

Response_

Signal: PO108377.D\ECD1A.ch

#22 AR-1248-2



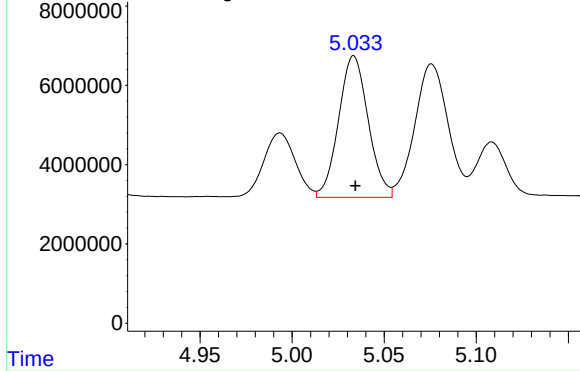
R.T.: 5.046 min
Delta R.T.: -0.001 min
Response: 74645599
Conc: 269.57 ng/ml

Time

Response_

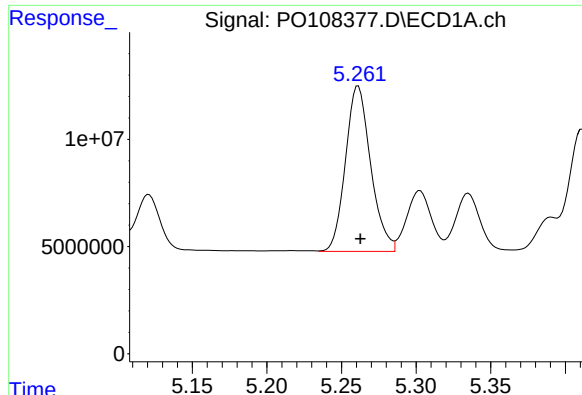
Signal: PO108377.D\ECD2B.ch

#22 AR-1248-2



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

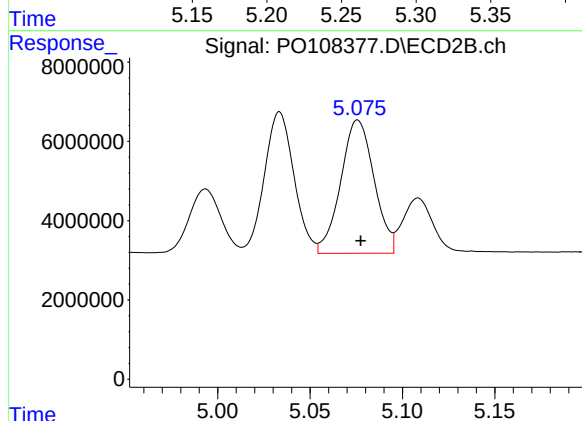
Time



#23 AR-1248-3

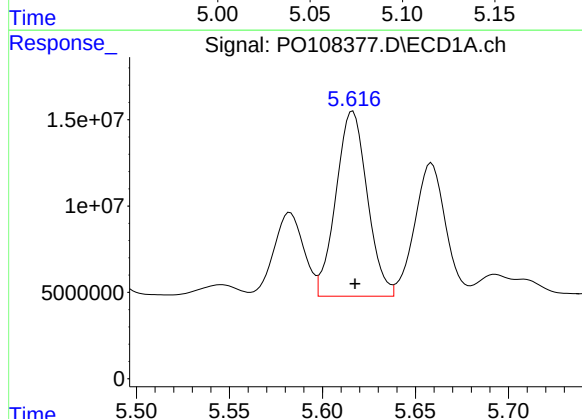
R.T.: 5.261 min
Delta R.T.: -0.001 min
Response: 90583311
Conc: 264.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC250



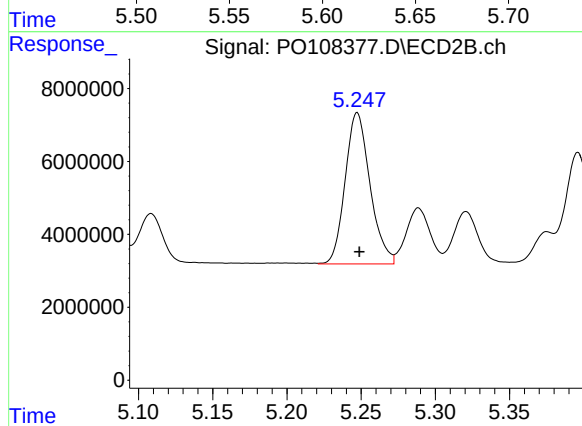
#23 AR-1248-3

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



#24 AR-1248-4

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



#24 AR-1248-4

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

Response_

Signal: PO108377.D\ECD1A.ch

#25 AR-1248-5

R.T.: 5.659 min

Delta R.T.: -0.002 min

Response: 89499607

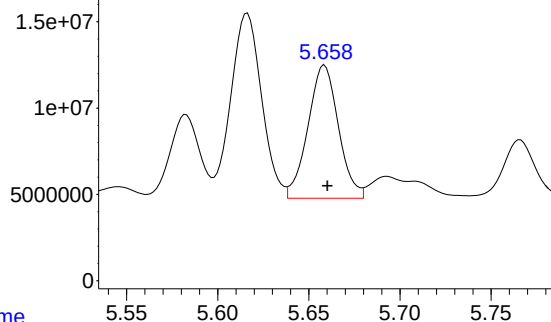
Conc: 263.90 ng/ml

Instrument :

ECD_O

ClientSampleId :

AR1248ICC250



Time

Response_

Signal: PO108377.D\ECD2B.ch

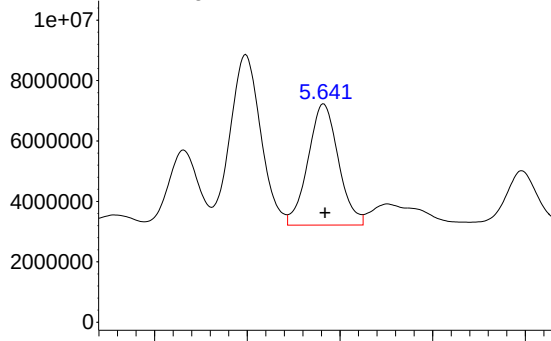
#25 AR-1248-5

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

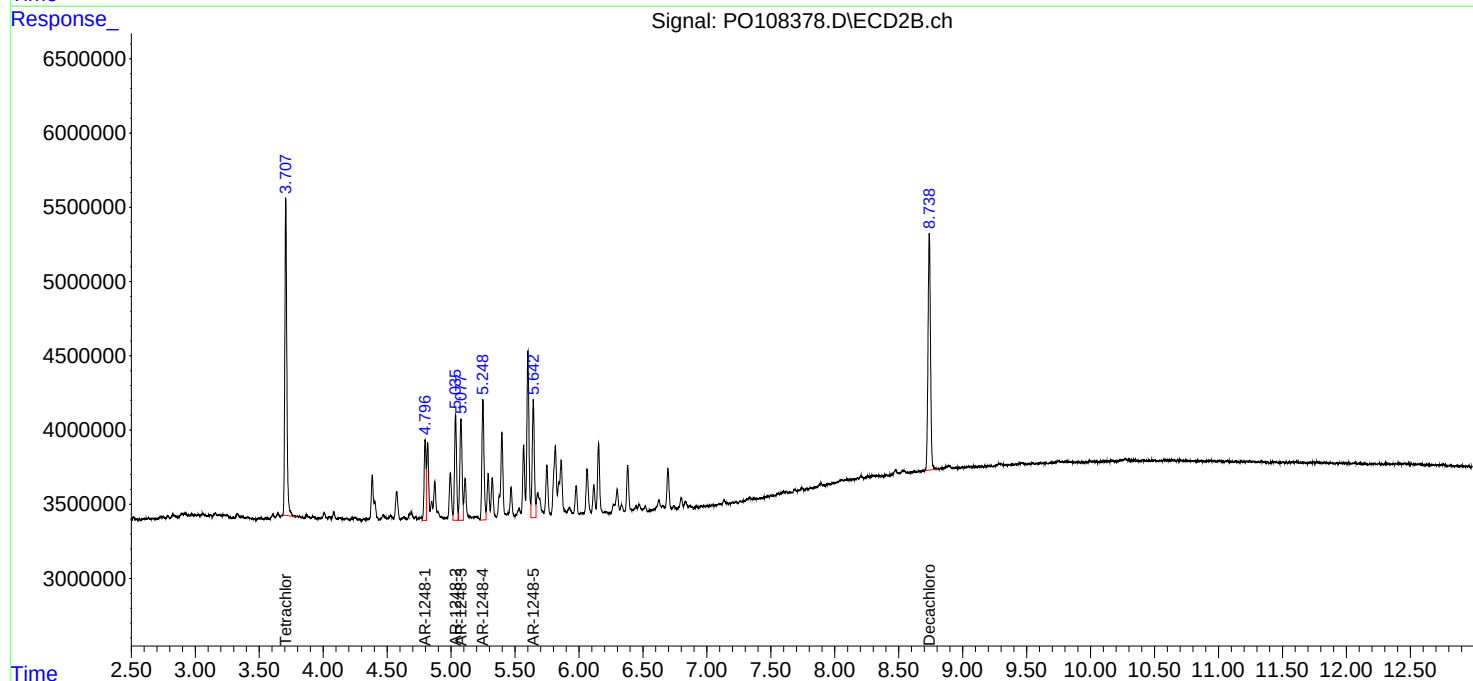
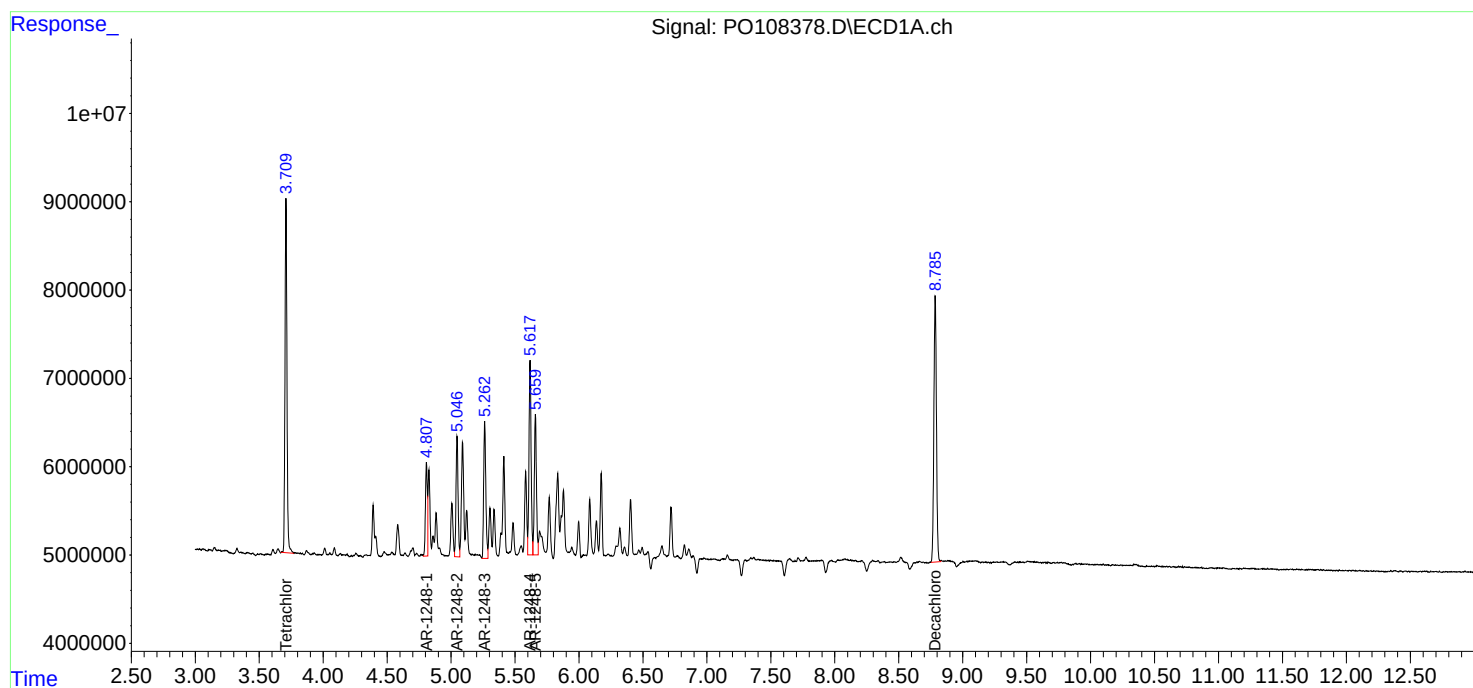
Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

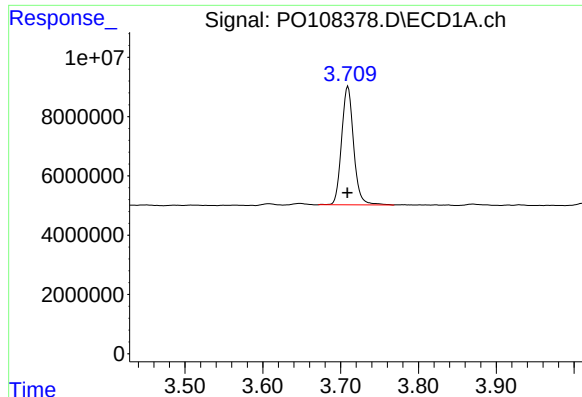
Manual Integrations
APPROVED

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





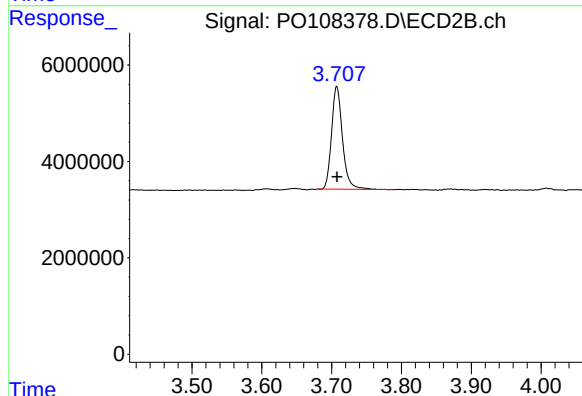
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

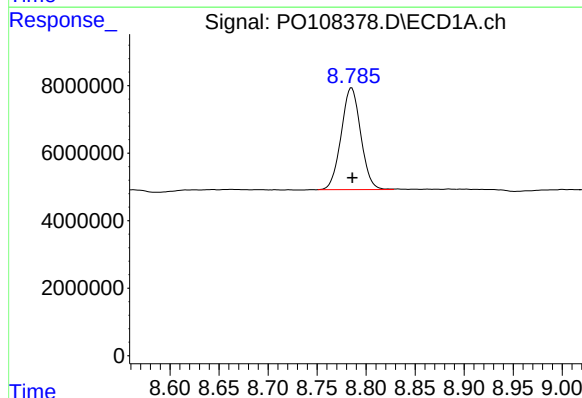
Manual Integrations
APPROVED

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



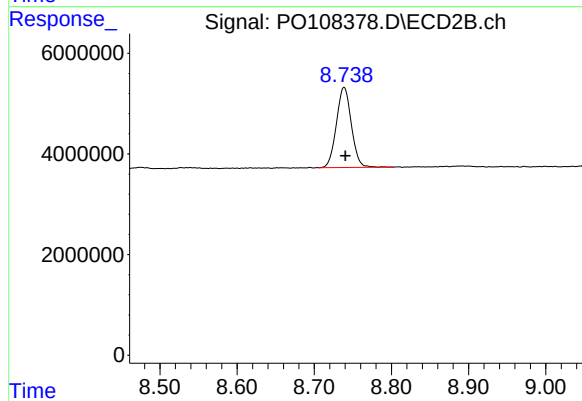
#1 Tetrachloro-m-xylene

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



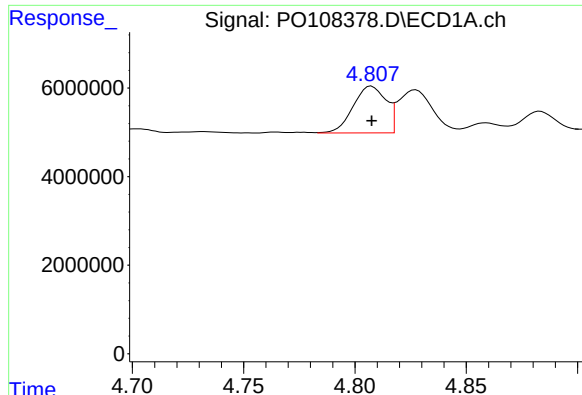
#2 Decachlorobiphenyl

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



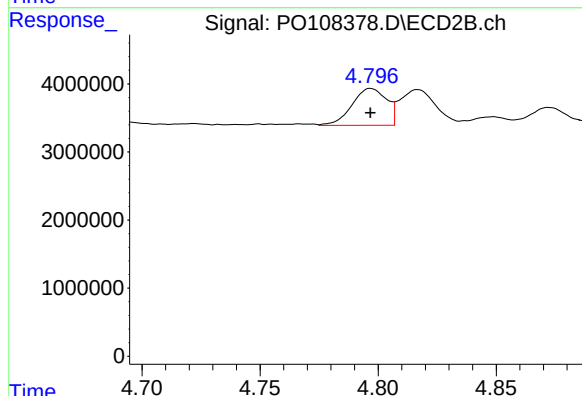
#21 AR-1248-1

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

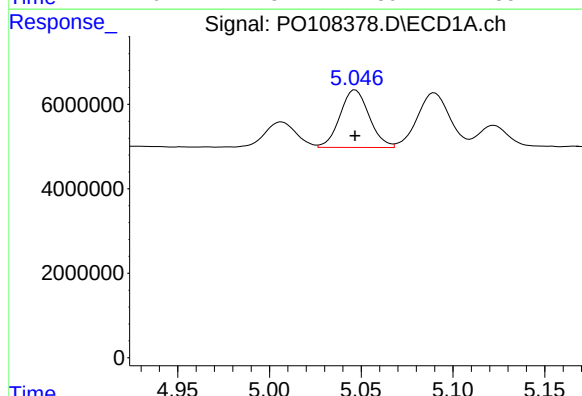
Manual Integrations
APPROVED

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



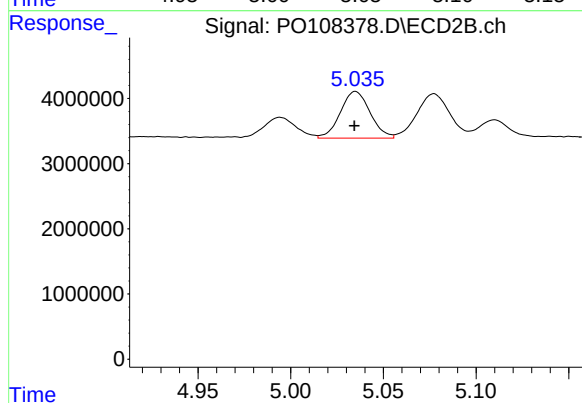
#21 AR-1248-1

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



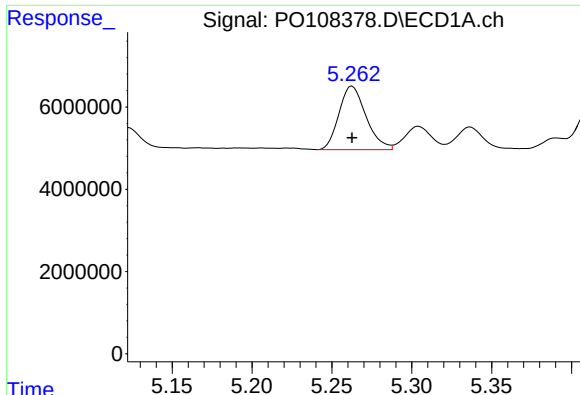
#22 AR-1248-2

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



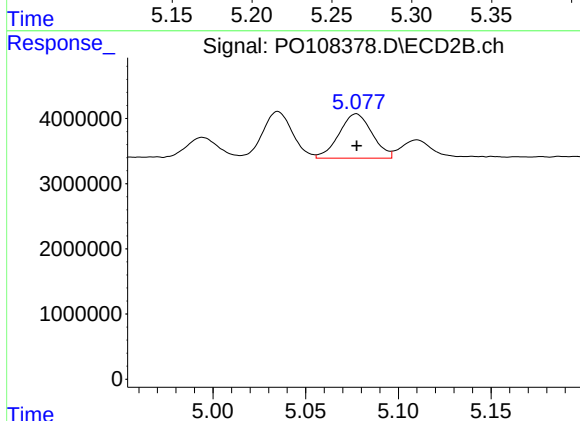
#23 AR-1248-3

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

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050

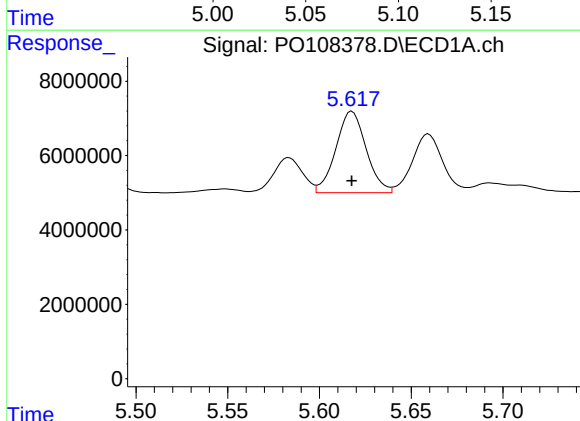
Manual Integrations
APPROVED

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



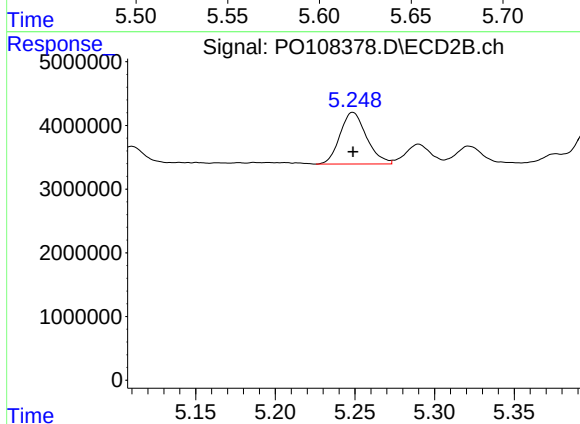
#23 AR-1248-3

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



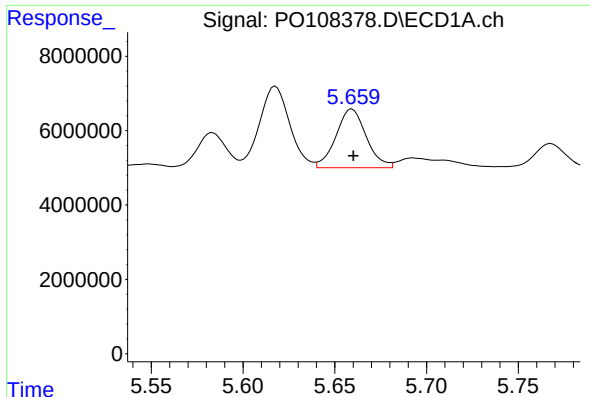
#24 AR-1248-4

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



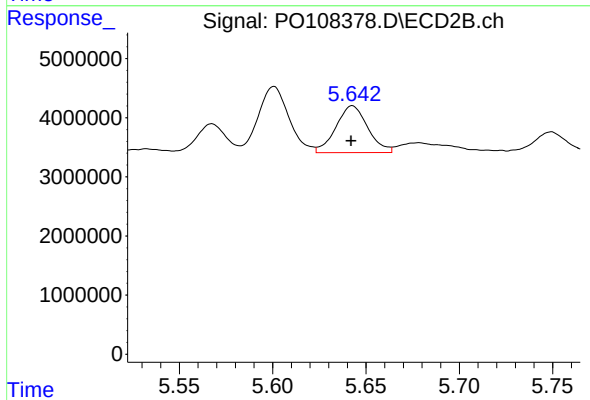
#25 AR-1248-5

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

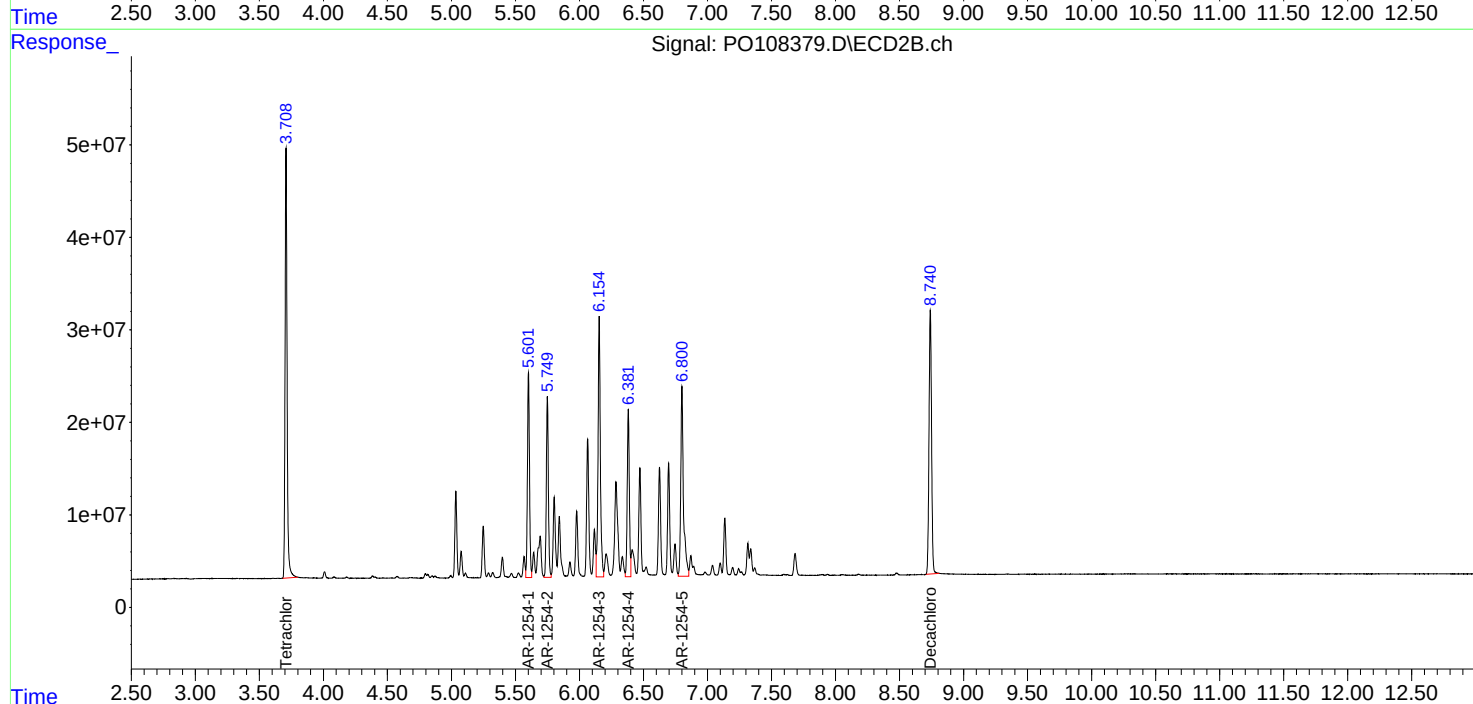
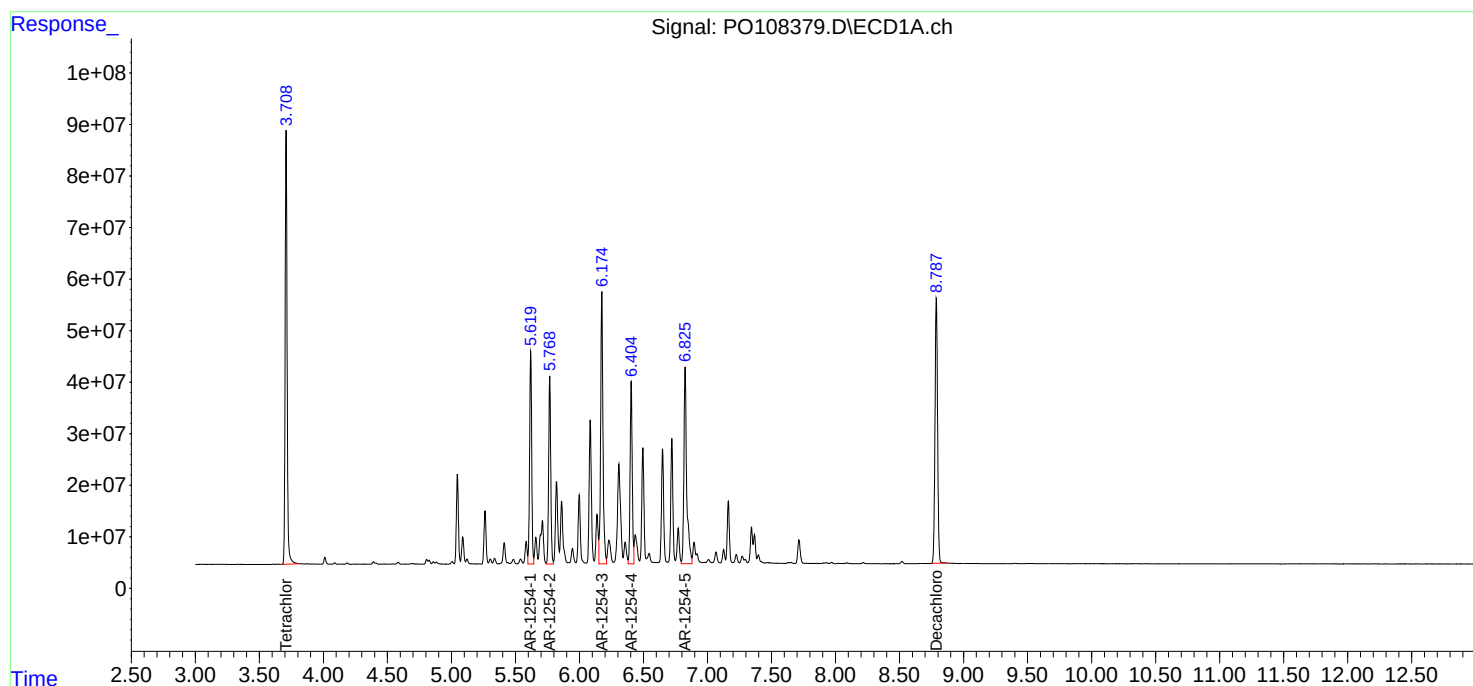
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

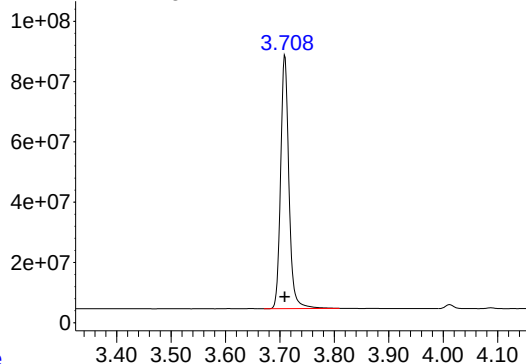
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

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

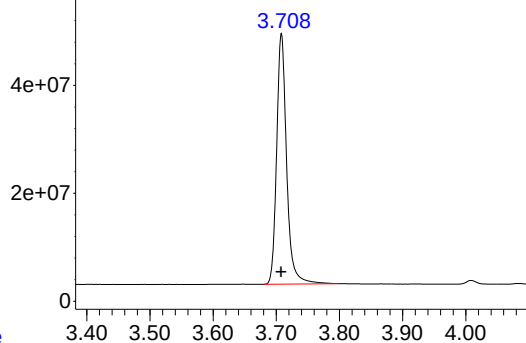


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

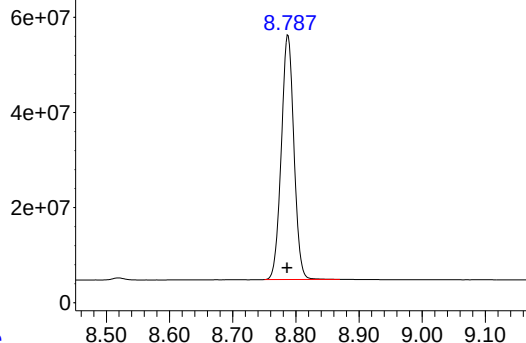
Time Response_ Signal: PO108379.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

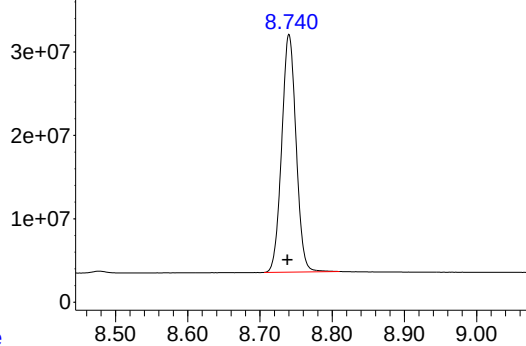
Time Response_ Signal: PO108379.D\ECD1A.ch



#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



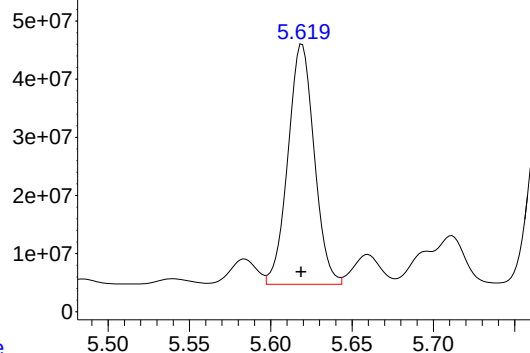
#2 Decachlorobiphenyl

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

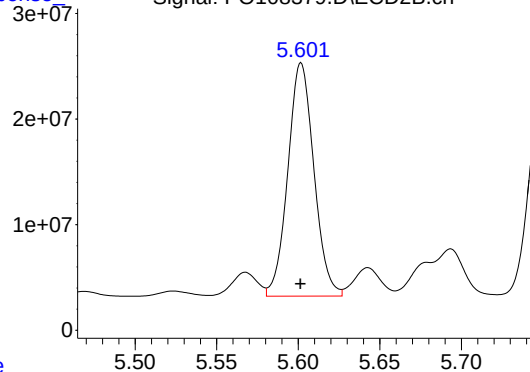
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Time

Response

Signal: PO108379.D\ECD2B.ch

#26 AR-1254-1



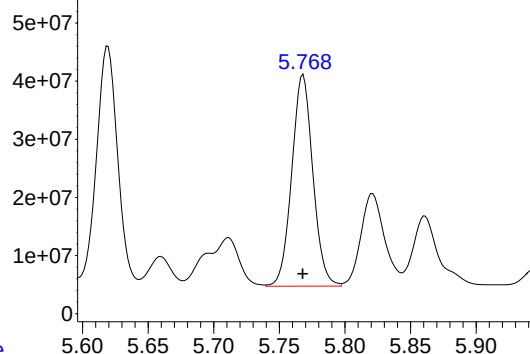
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 245816740
Conc: 913.04 ng/ml

Time

Response_

Signal: PO108379.D\ECD1A.ch

#27 AR-1254-2



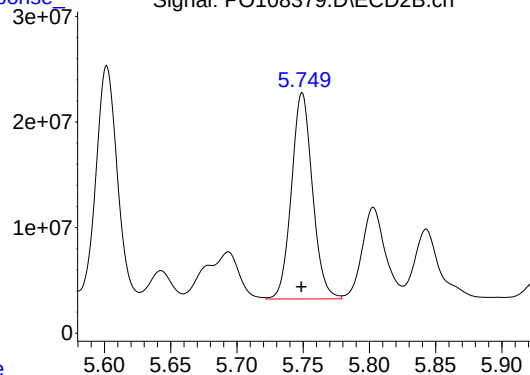
R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 407035308
Conc: 898.75 ng/ml

Time

Response

Signal: PO108379.D\ECD2B.ch

#27 AR-1254-2



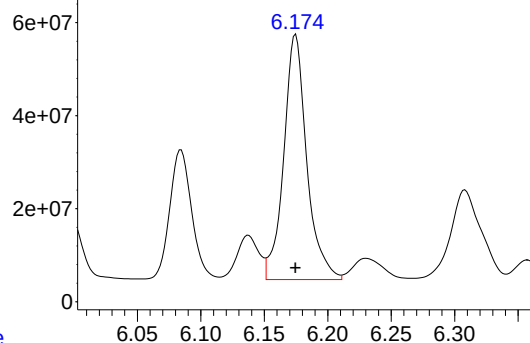
R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 215464605
Conc: 902.39 ng/ml

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

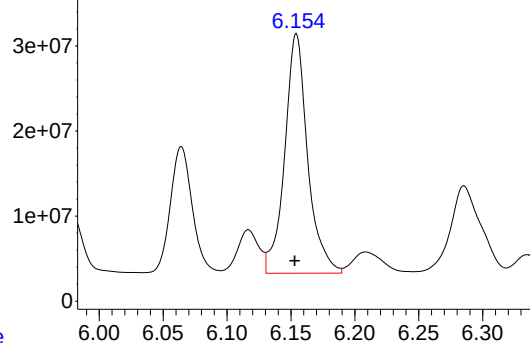
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

Time

Response_

Signal: PO108379.D\ECD2B.ch

#28 AR-1254-3



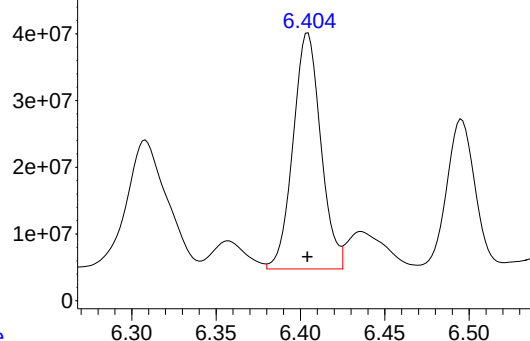
R.T.: 6.154 min
Delta R.T.: 0.001 min
Response: 351887512
Conc: 924.95 ng/ml

Time

Response_

Signal: PO108379.D\ECD1A.ch

#29 AR-1254-4



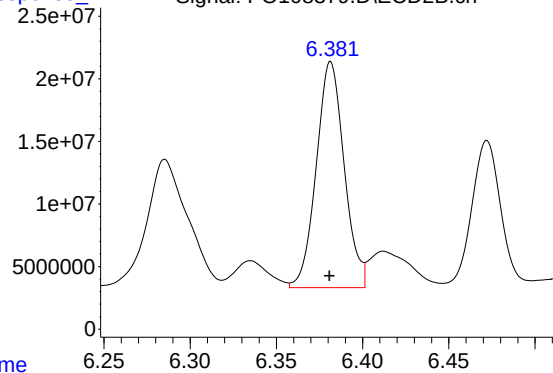
R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 404280854
Conc: 909.99 ng/ml

Time

Response_

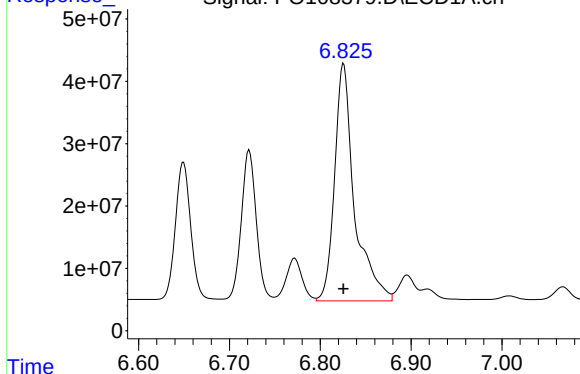
Signal: PO108379.D\ECD2B.ch

#29 AR-1254-4



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

Time



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

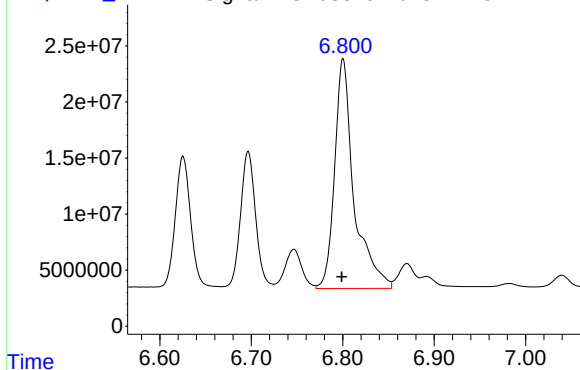
Instrument :
ECD_O
ClientSampleId :
AR1254ICC1000

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

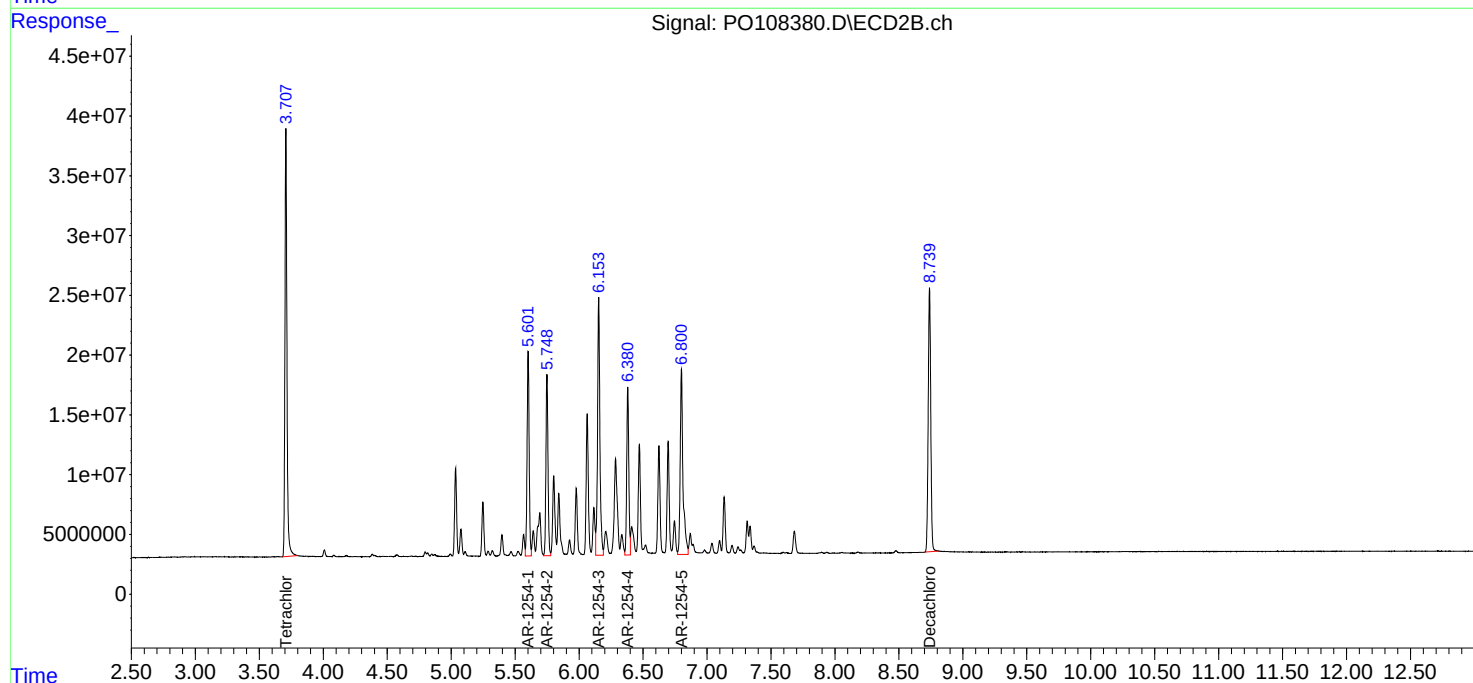
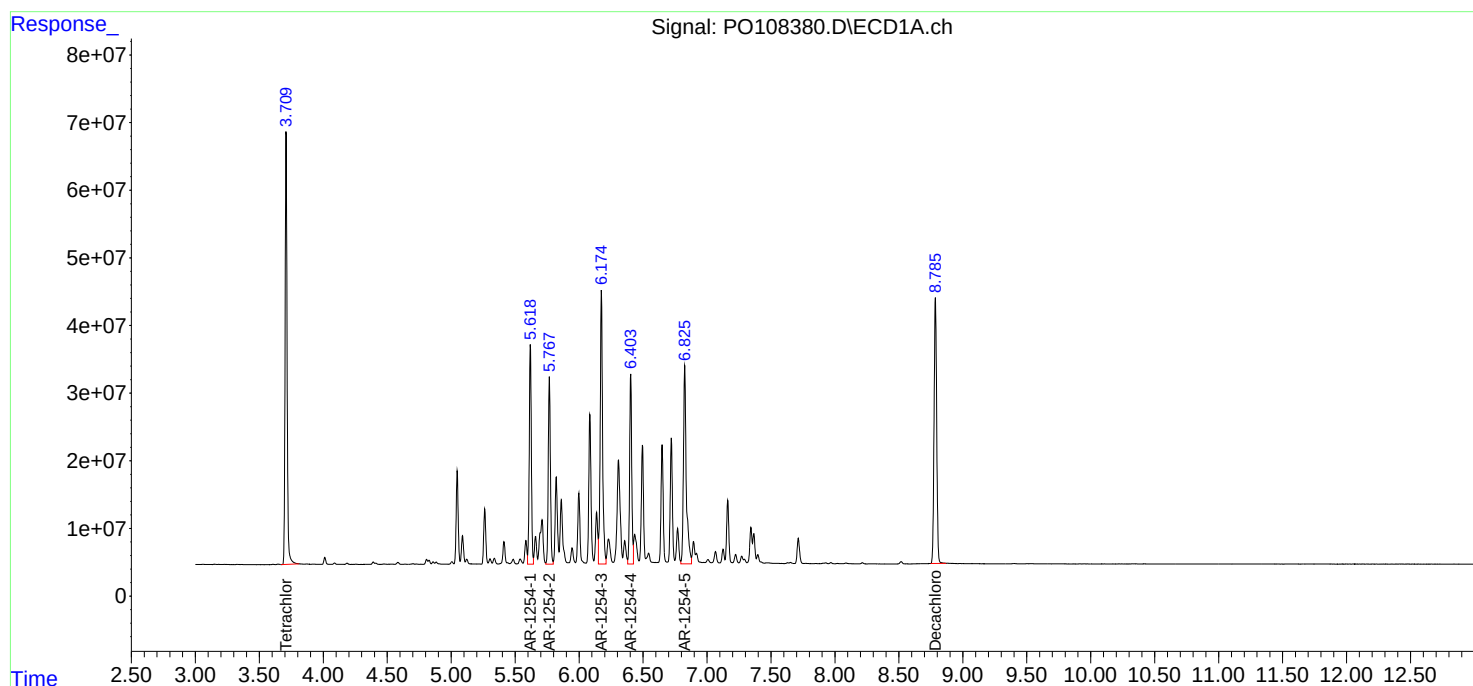
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

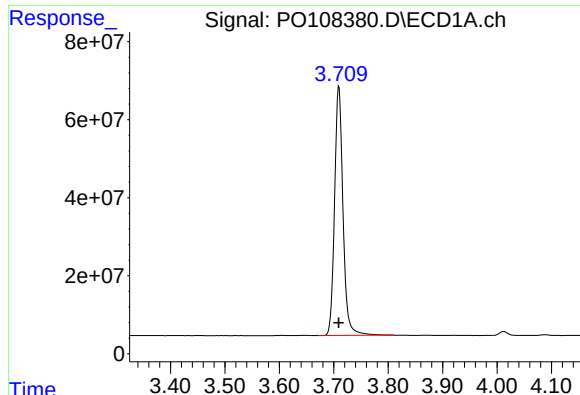
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 19:49
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

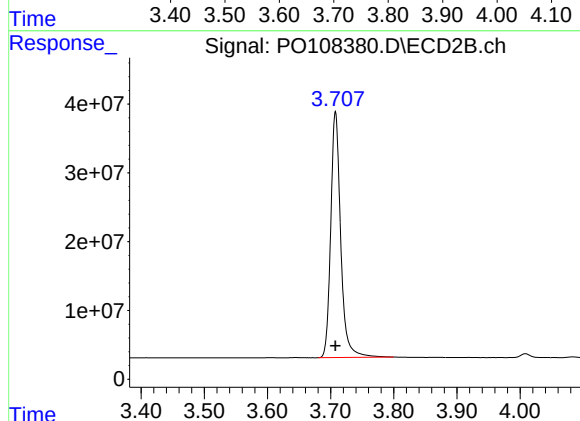




#1 Tetrachloro-m-xylene

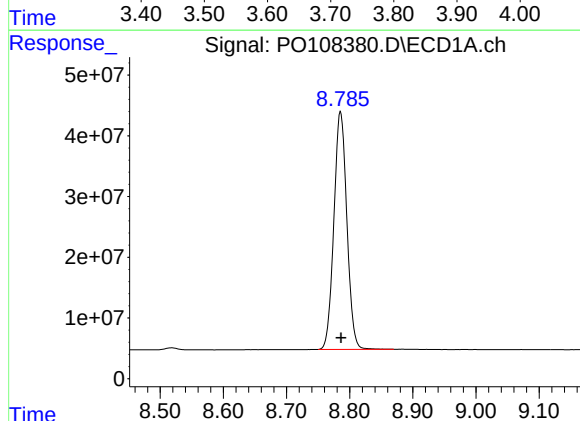
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 690383418
Conc: 72.80 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



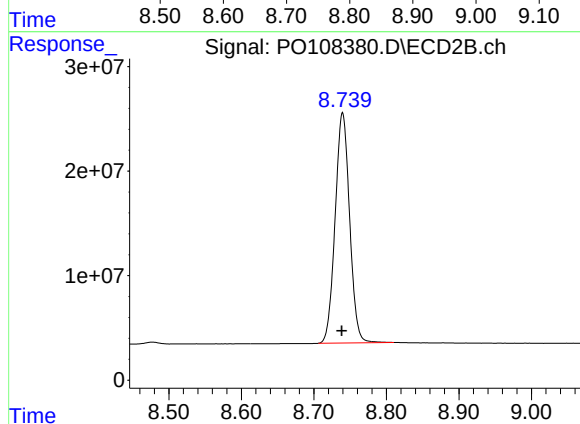
#1 Tetrachloro-m-xylene

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

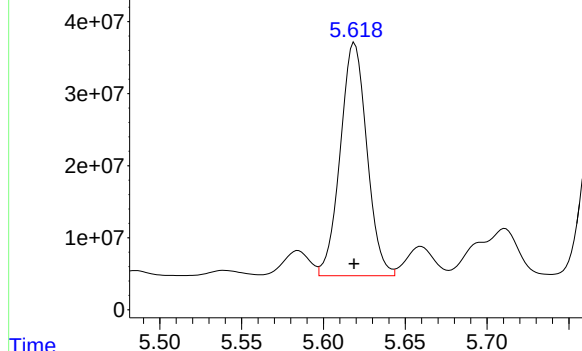
R.T.: 8.740 min
Delta R.T.: 0.001 min
Response: 305378552
Conc: 71.70 ng/ml

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

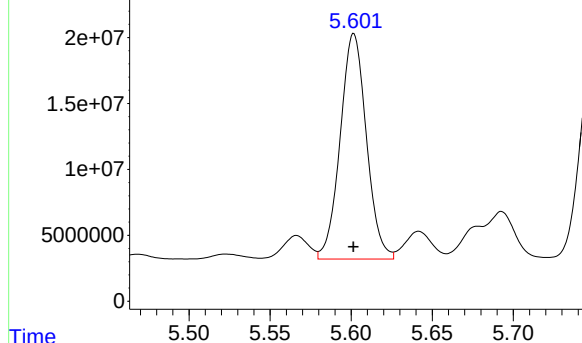
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750



Time Response_ Signal: PO108380.D\ECD2B.ch

#26 AR-1254-1

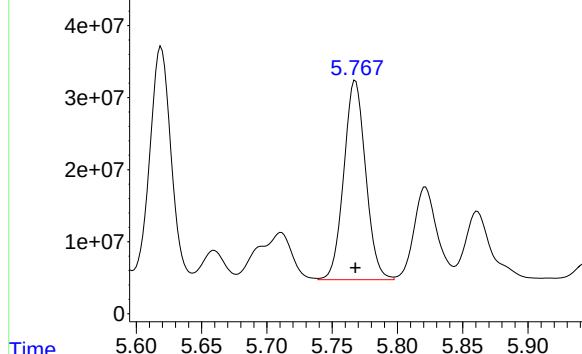
R.T.: 5.602 min
Delta R.T.: 0.000 min
Response: 192342867
Conc: 714.42 ng/ml



Time Response_ Signal: PO108380.D\ECD1A.ch

#27 AR-1254-2

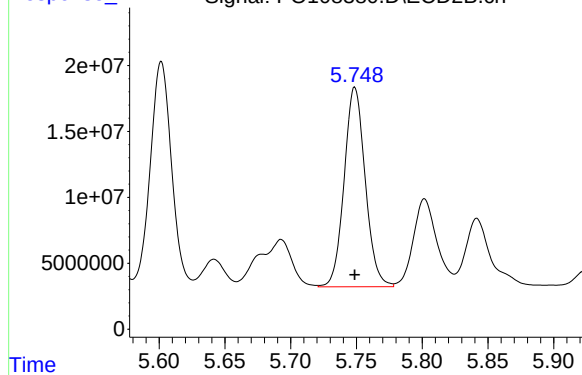
R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 321851048
Conc: 710.66 ng/ml



Time Response_ Signal: PO108380.D\ECD2B.ch

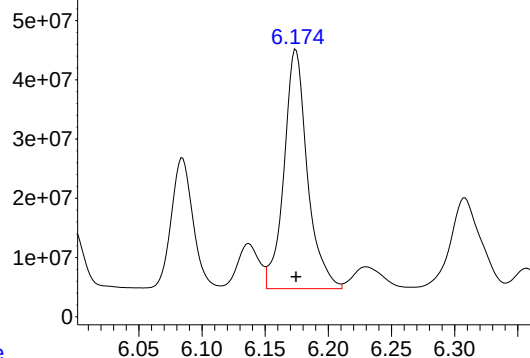
#27 AR-1254-2

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 169042798
Conc: 707.97 ng/ml



Response_ Signal: PO108380.D\ECD1A.ch

#28 AR-1254-3

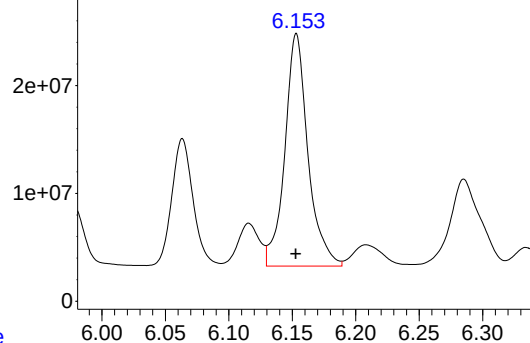


R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 521312401
Conc: 717.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

Time Response_ Signal: PO108380.D\ECD2B.ch

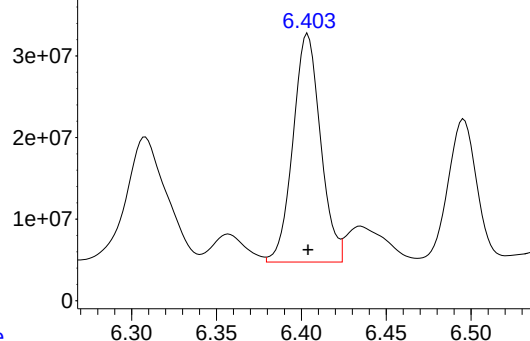
#28 AR-1254-3



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

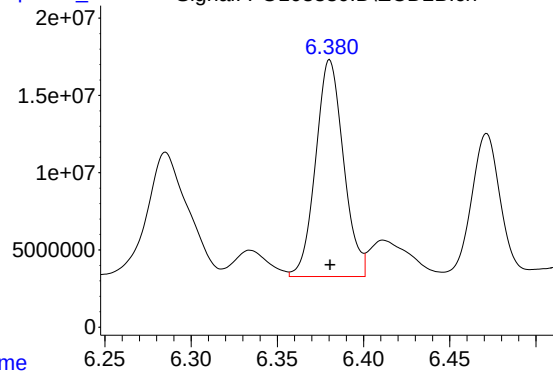
#29 AR-1254-4



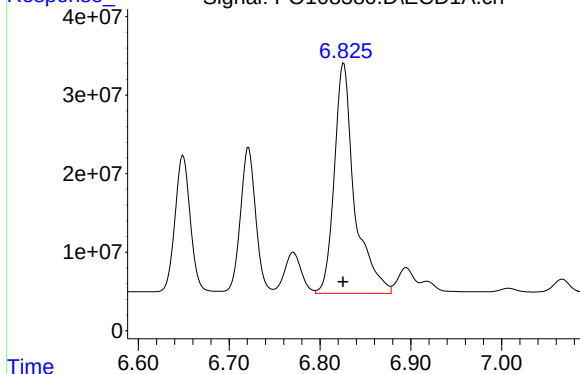
R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 315808144
Conc: 710.85 ng/ml

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



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

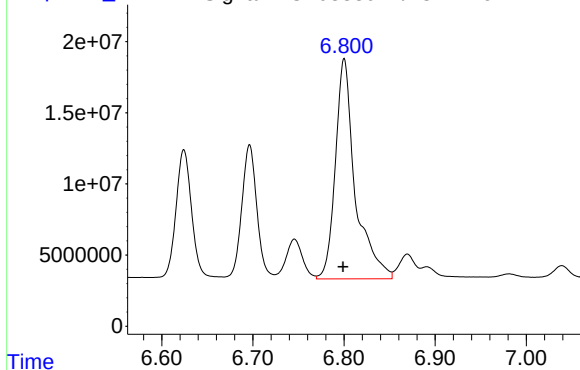
Instrument :
ECD_O
ClientSampleId :
AR1254ICC750

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

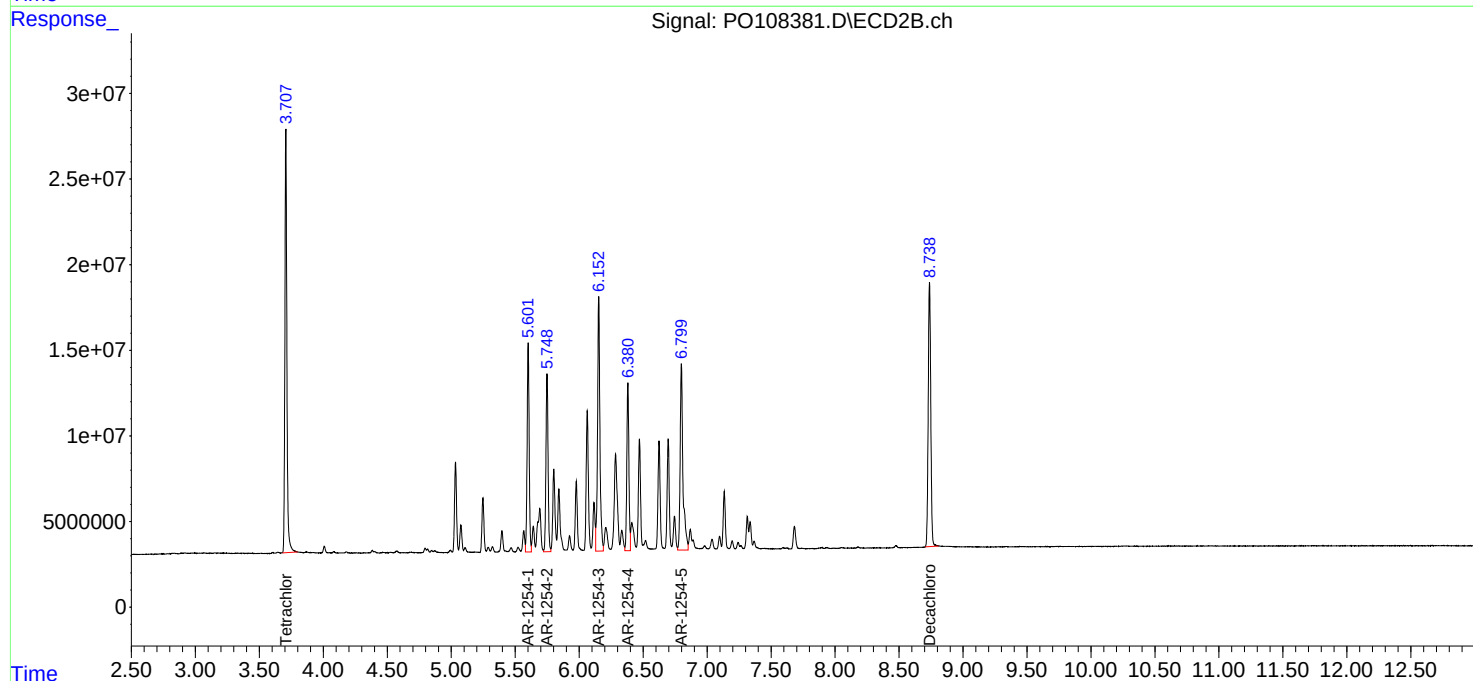
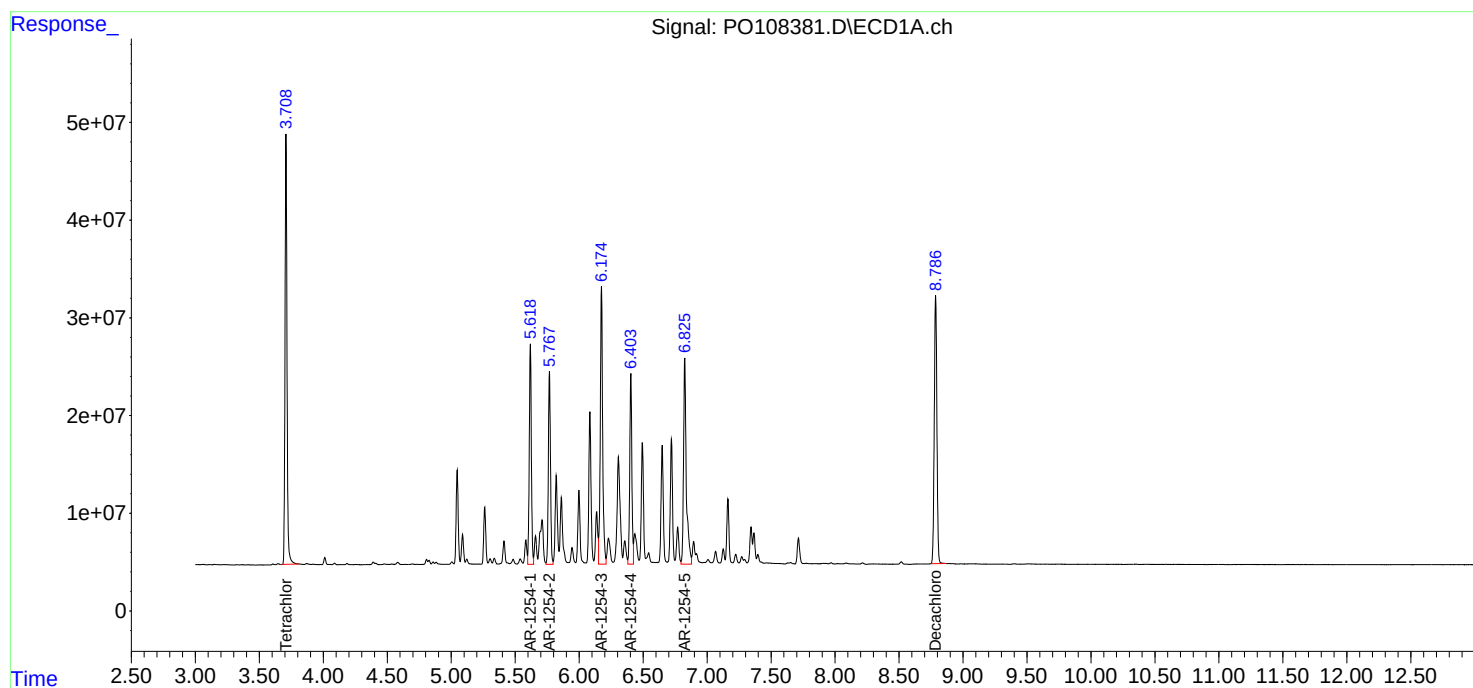
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

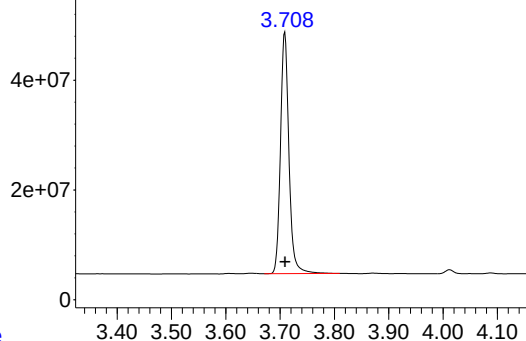
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

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



Response_ Signal: PO108381.D\ECD1A.ch

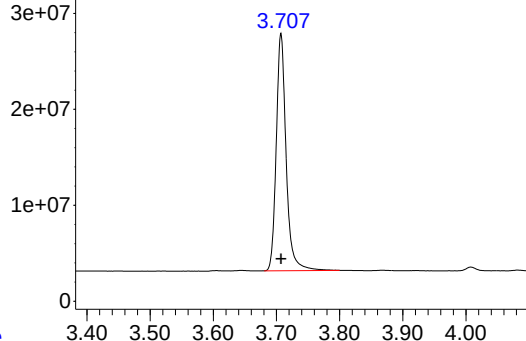


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

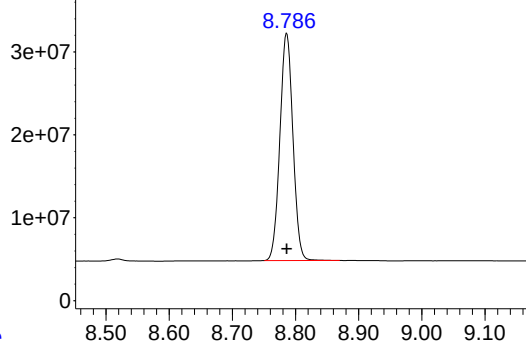
Time Response_ Signal: PO108381.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

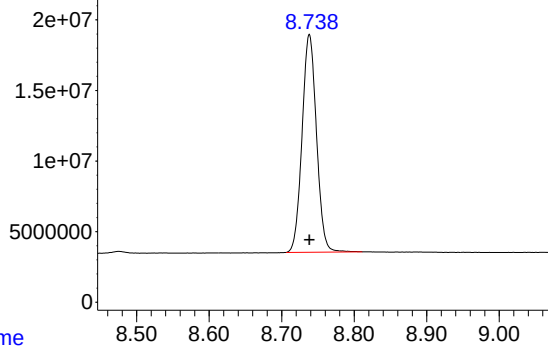
Time Response_ Signal: PO108381.D\ECD1A.ch



#2 Decachlorobiphenyl

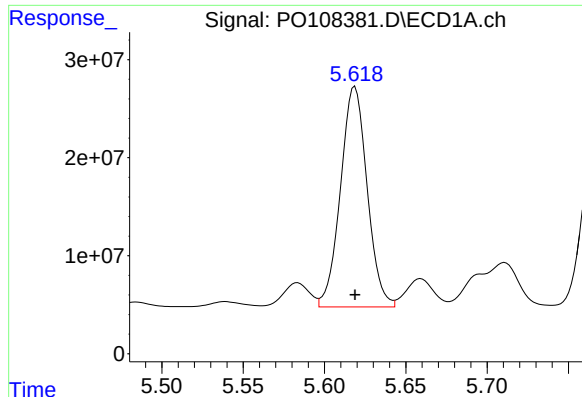
R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 392292110
Conc: 50.00 ng/ml

Time Response_ Signal: PO108381.D\ECD2B.ch



#2 Decachlorobiphenyl

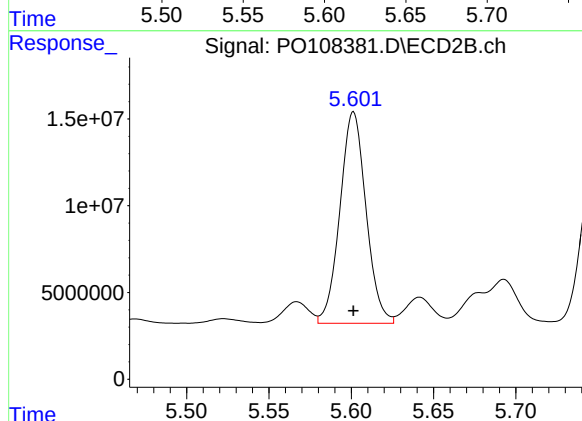
R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 212946579
Conc: 50.00 ng/ml



#26 AR-1254-1

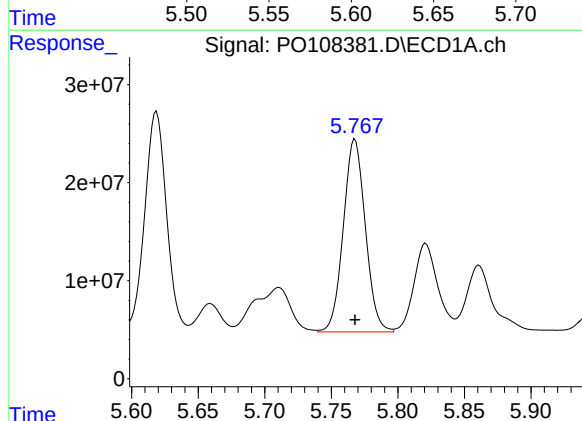
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 256015757
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC500



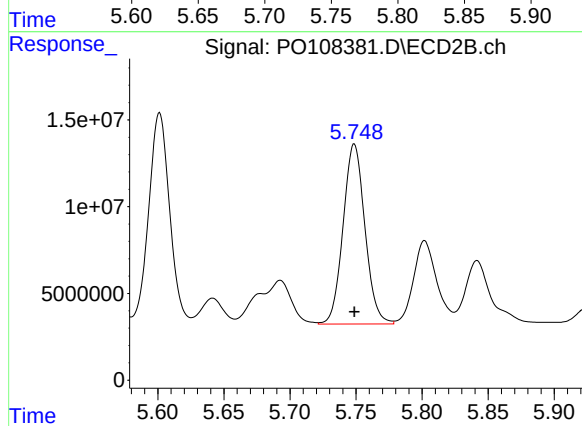
#26 AR-1254-1

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



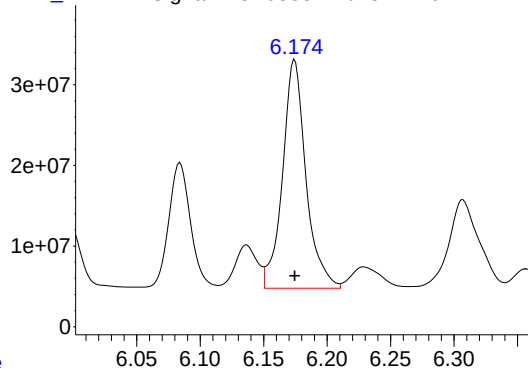
#27 AR-1254-2

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

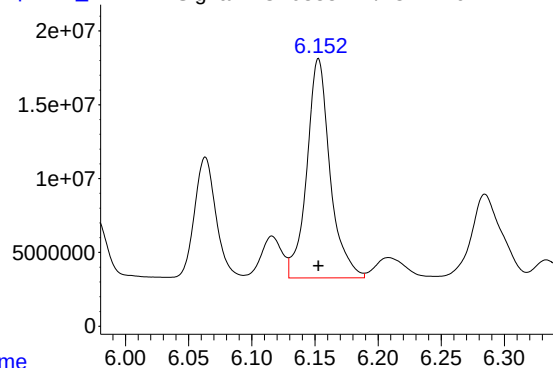
Instrument :
ECD_O
ClientSampleId :
AR1254ICC500

Time

Response_

Signal: PO108381.D\ECD2B.ch

#28 AR-1254-3



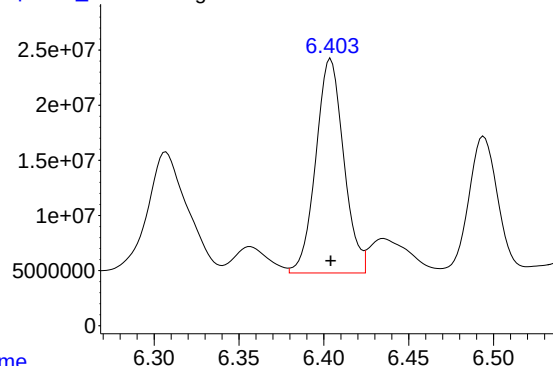
R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 190220530
Conc: 500.00 ng/ml

Time

Response_

Signal: PO108381.D\ECD1A.ch

#29 AR-1254-4



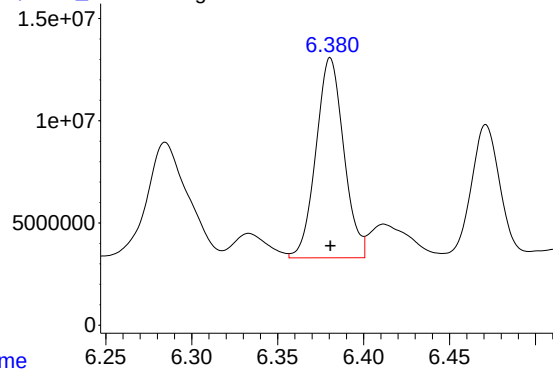
R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 222134078
Conc: 500.00 ng/ml

Time

Response_

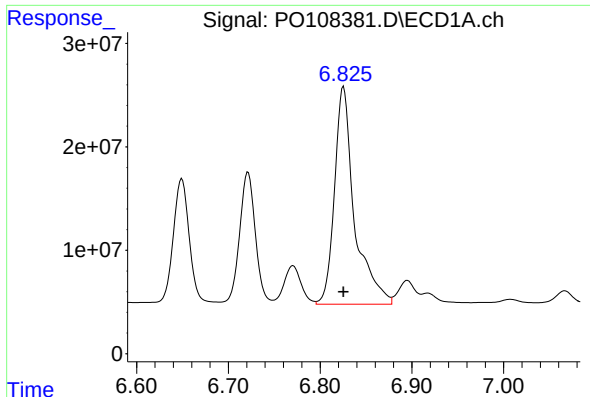
Signal: PO108381.D\ECD2B.ch

#29 AR-1254-4



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

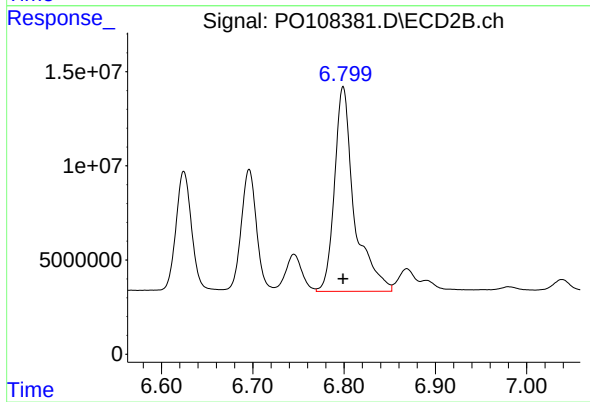
Time



#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

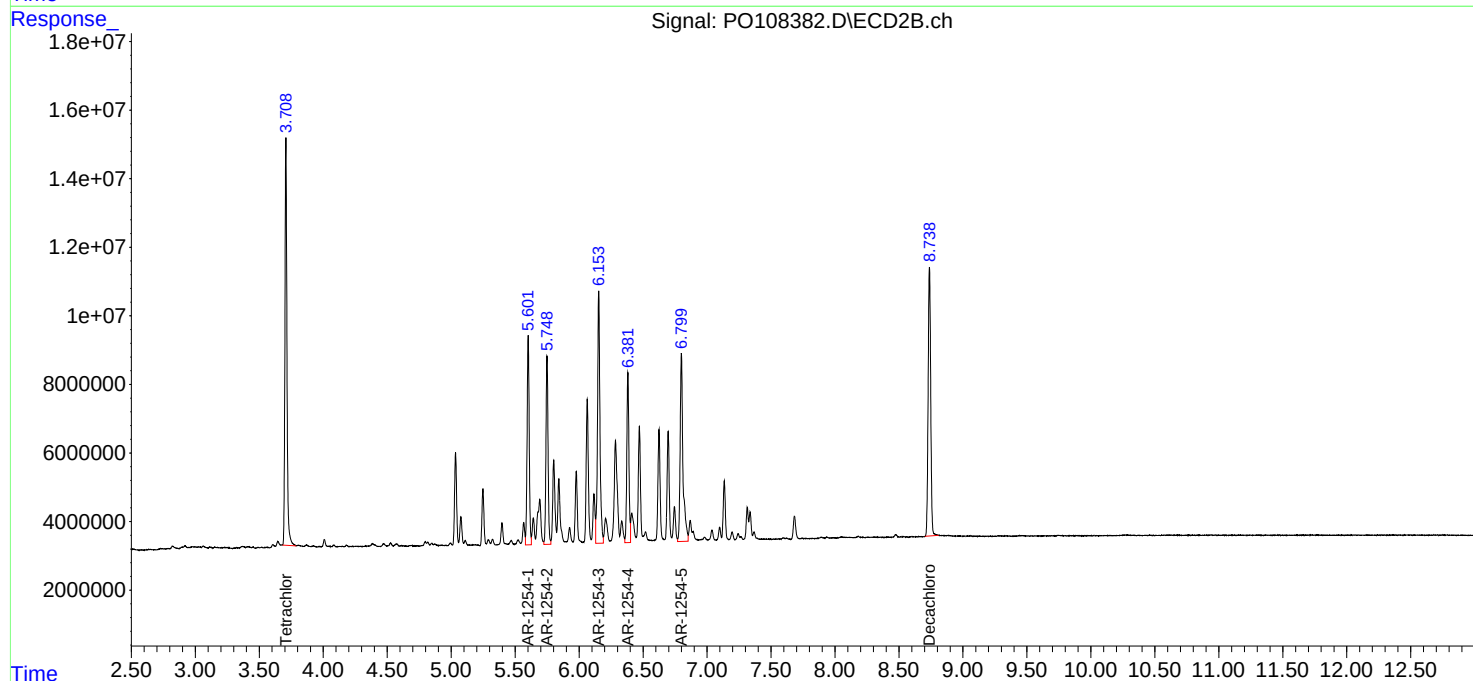
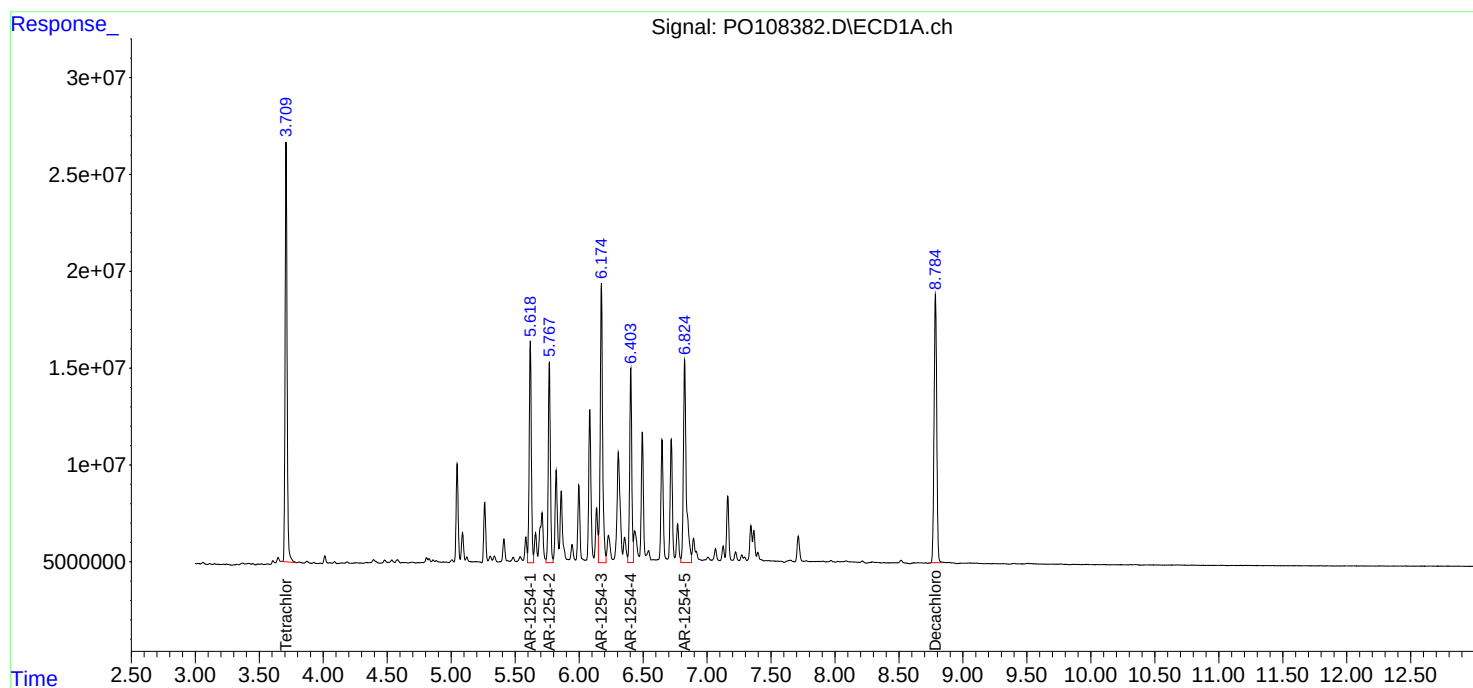
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

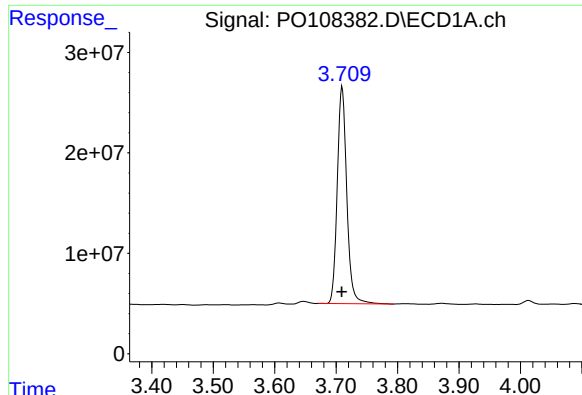
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:26
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

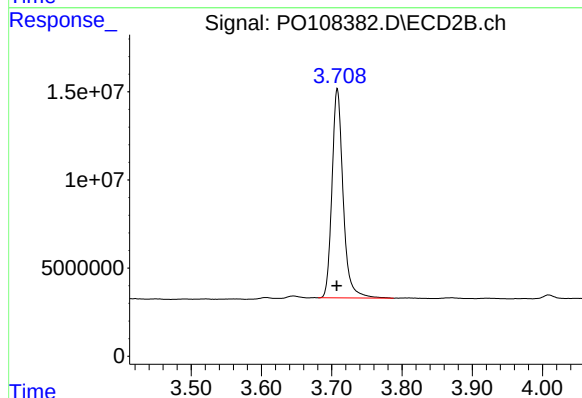




#1 Tetrachloro-m-xylene

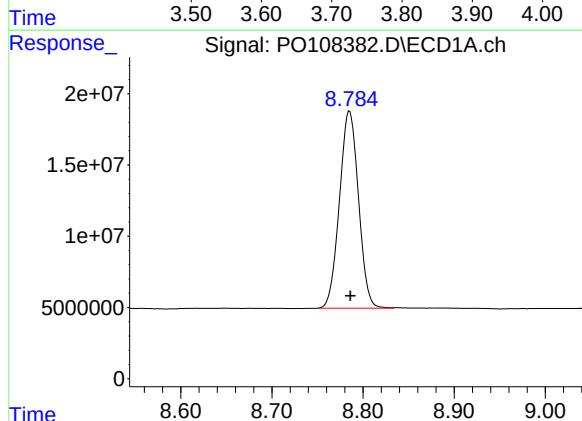
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 232827440
Conc: 24.55 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



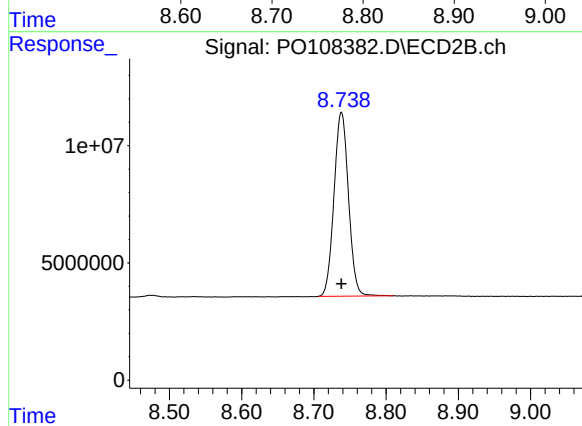
#1 Tetrachloro-m-xylene

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



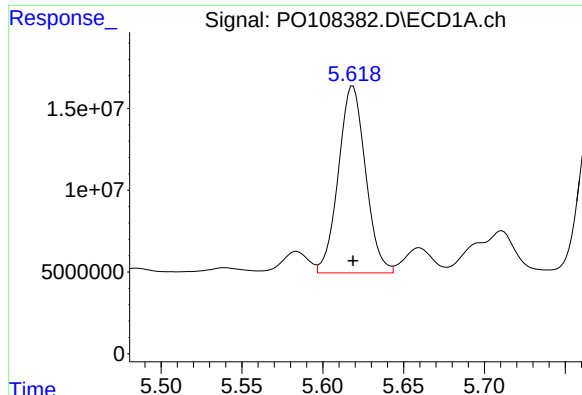
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

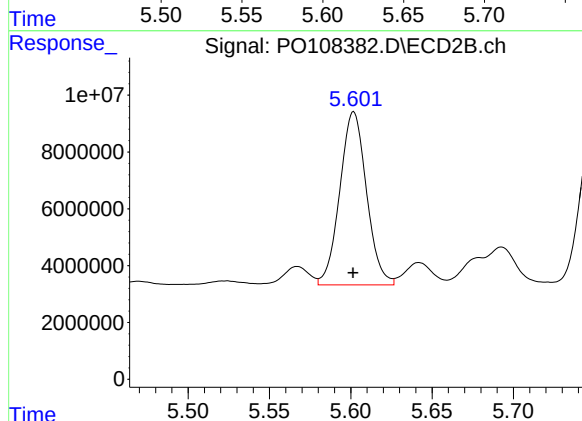
R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 109360055
Conc: 25.68 ng/ml



#26 AR-1254-1

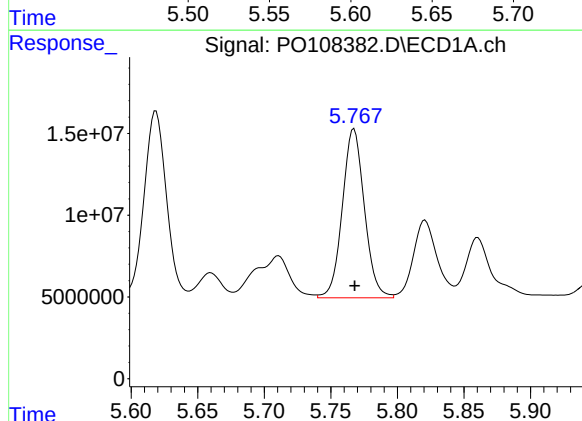
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 133465331
Conc: 260.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250



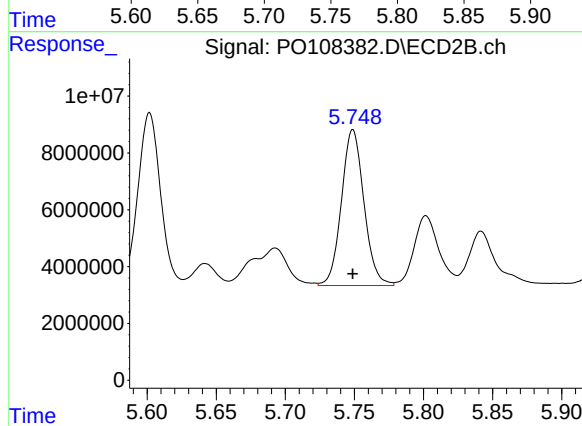
#26 AR-1254-1

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



#27 AR-1254-2

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

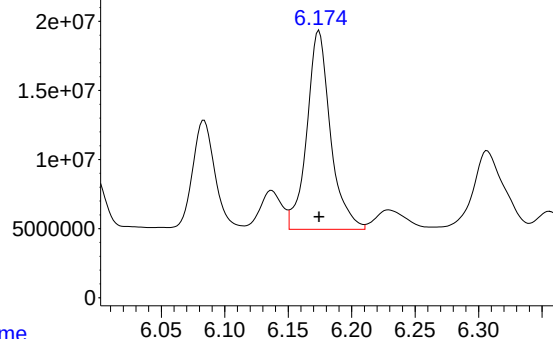


#27 AR-1254-2

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

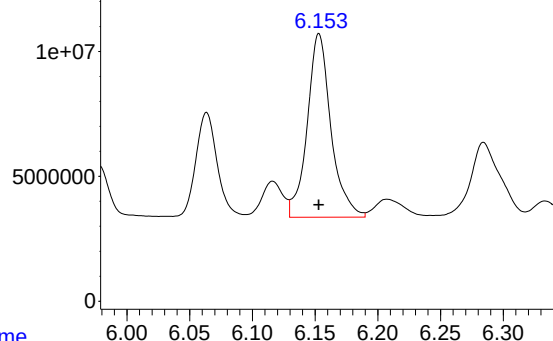


R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 185802135
Conc: 255.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

Time Response_ Signal: PO108382.D\ECD2B.ch

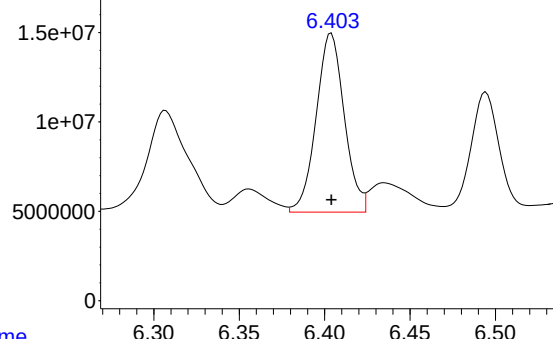
#28 AR-1254-3



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

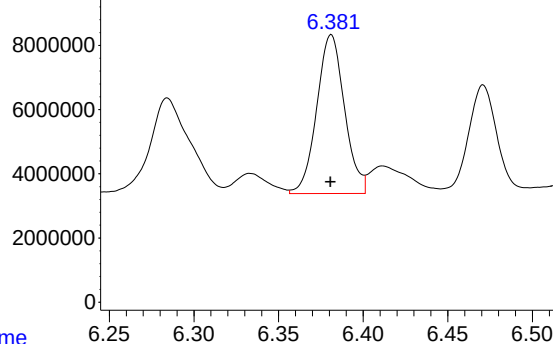
#29 AR-1254-4



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



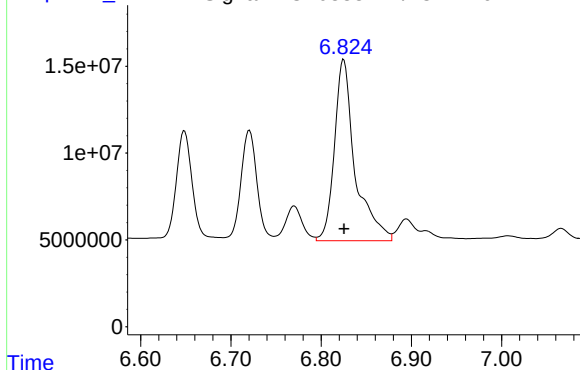
R.T.: 6.381 min
Delta R.T.: 0.000 min
Response: 56523348
Conc: 256.33 ng/ml

Response_

Signal: PO108382.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



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

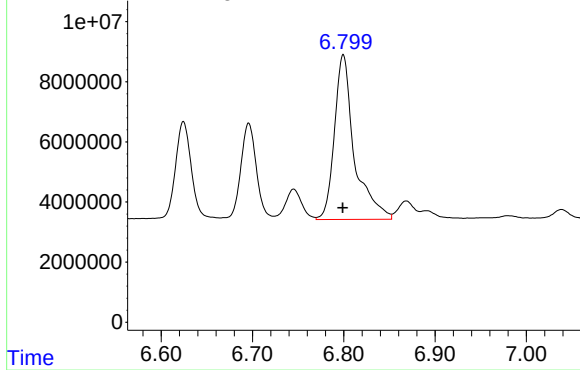
Instrument :
ECD_O
ClientSampleId :
AR1254ICC250

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

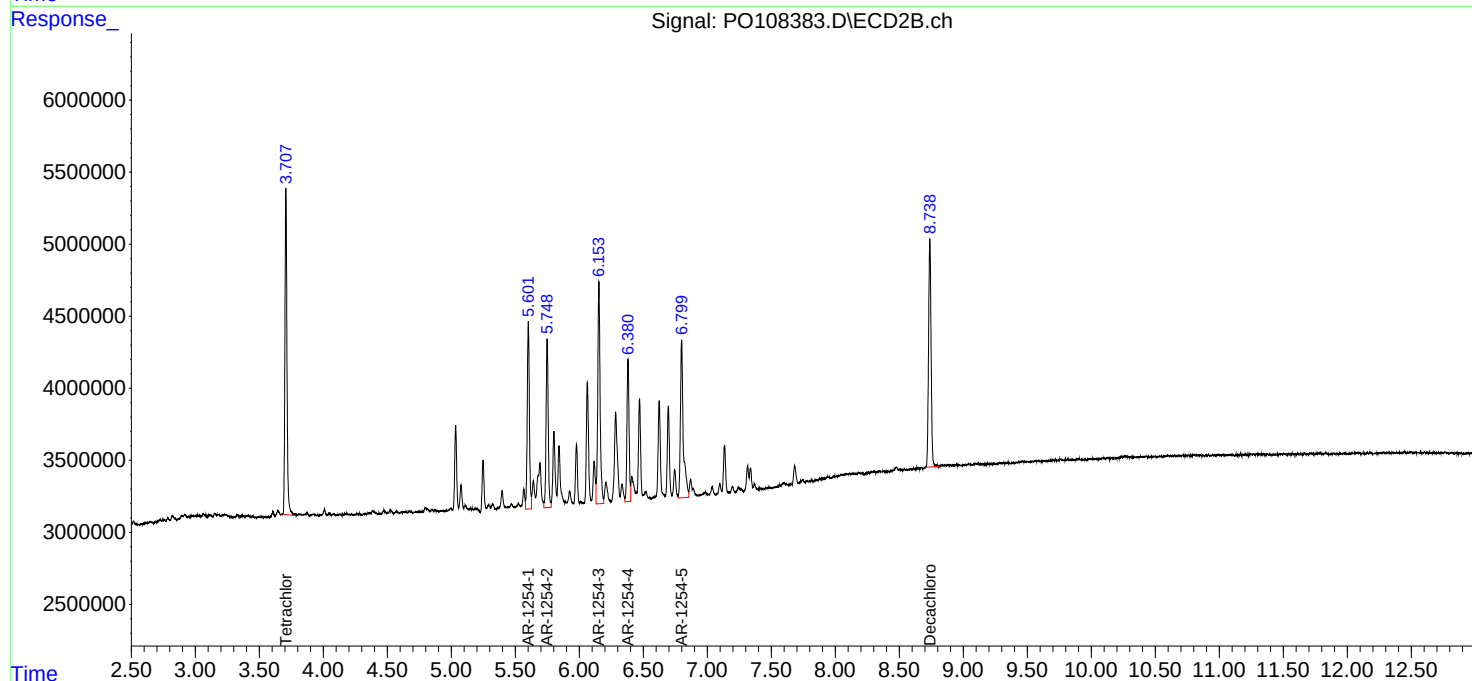
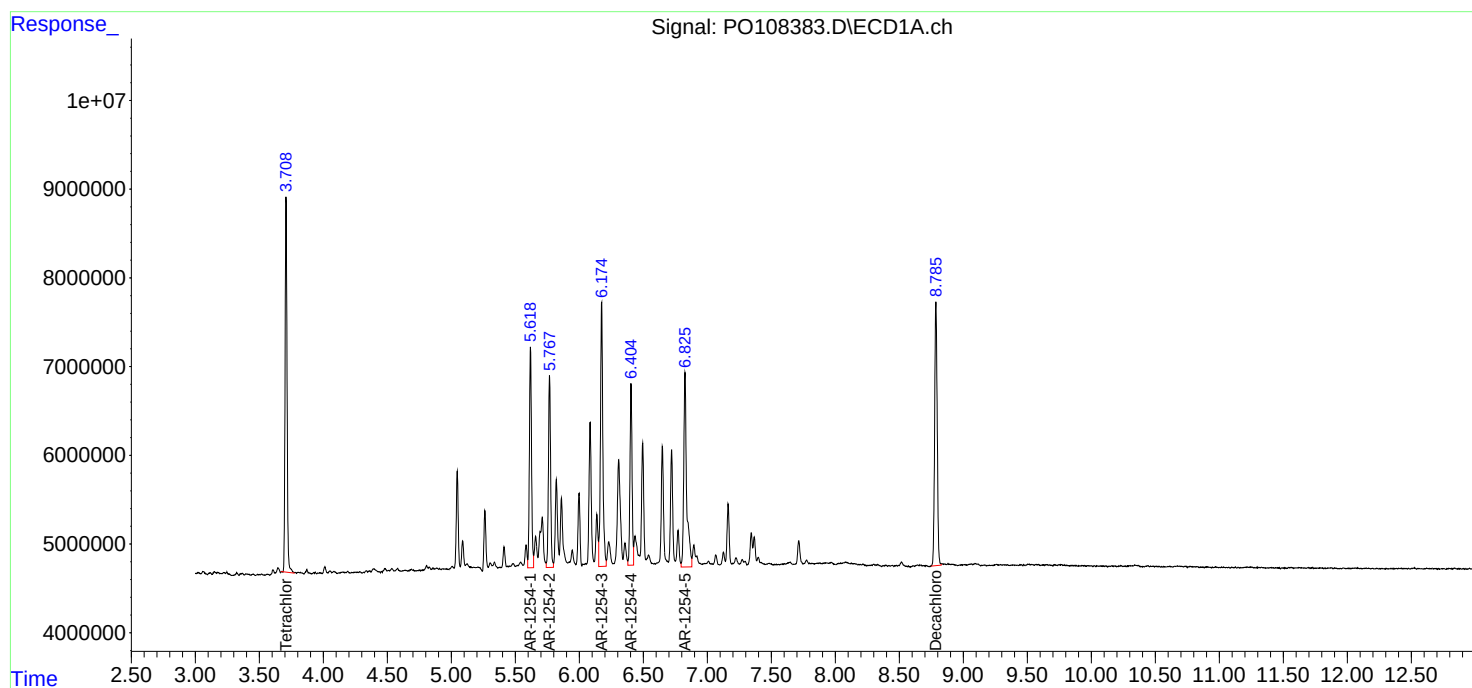
APPROVED

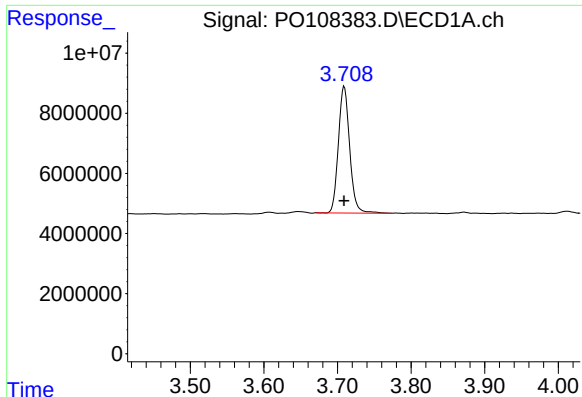
Reviewed By :Yogesh Patel 12/09/2024

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





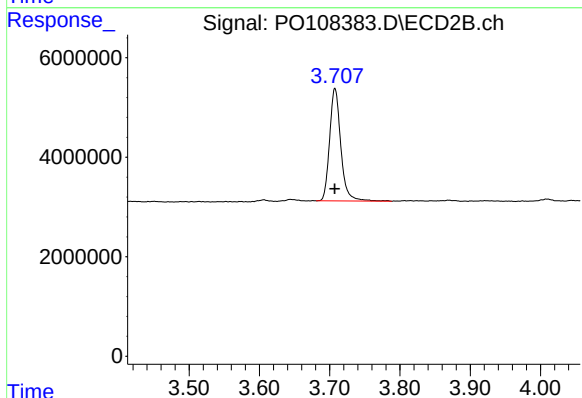
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

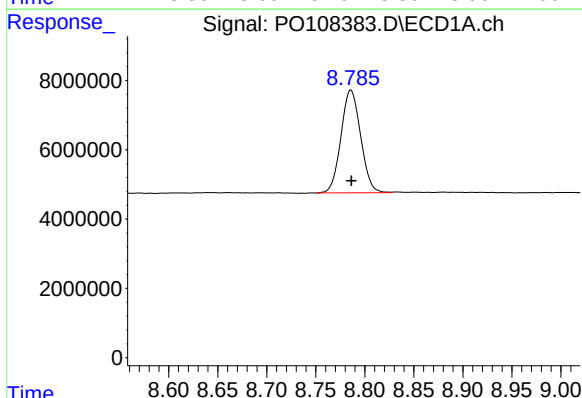
Manual Integrations
APPROVED

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



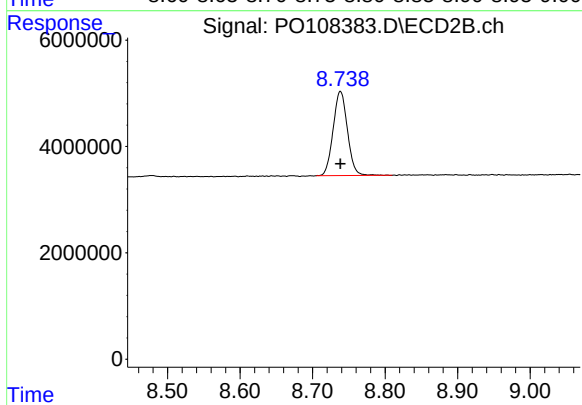
#1 Tetrachloro-m-xylene

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



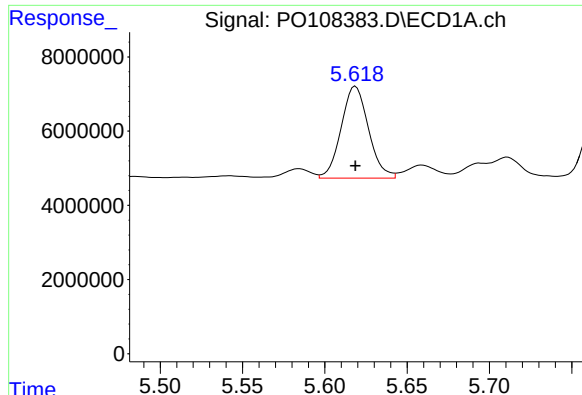
#2 Decachlorobiphenyl

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



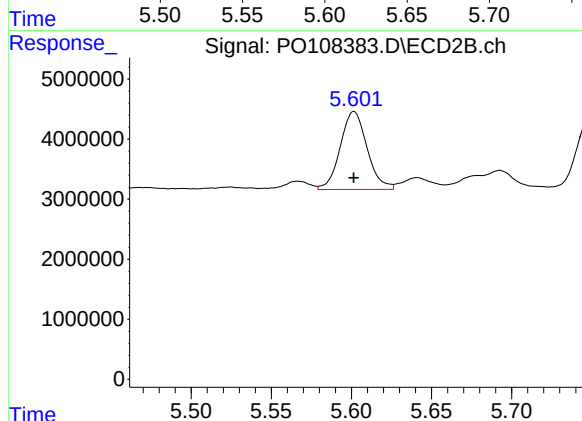
#26 AR-1254-1

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

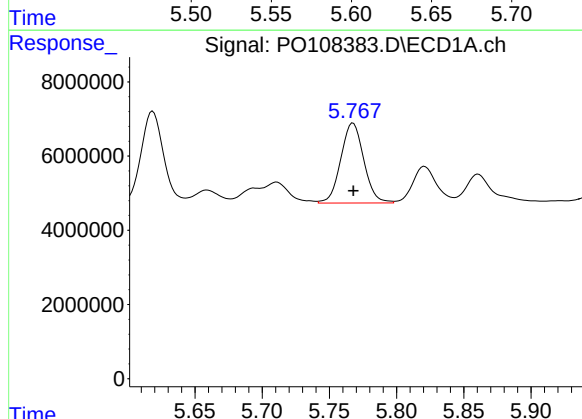
Manual Integrations
APPROVED

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



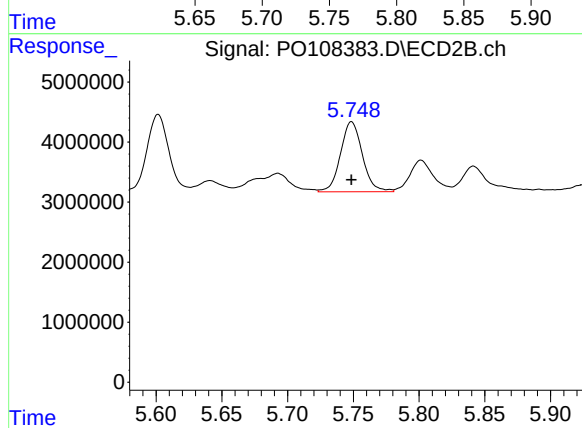
#26 AR-1254-1

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



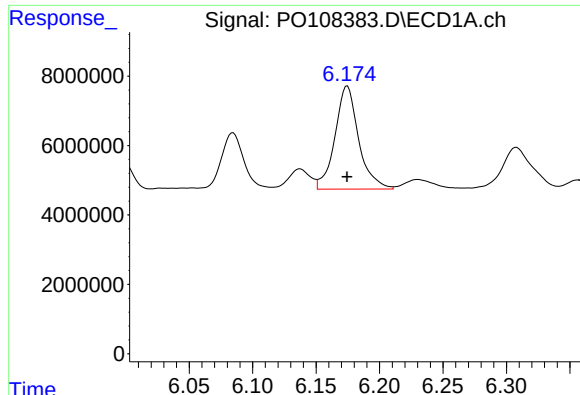
#27 AR-1254-2

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



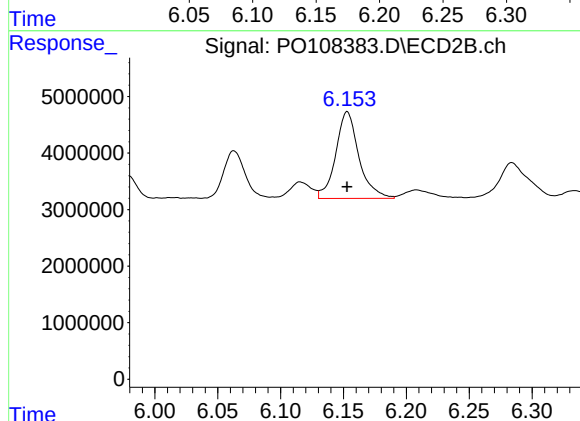
#28 AR-1254-3

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

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050

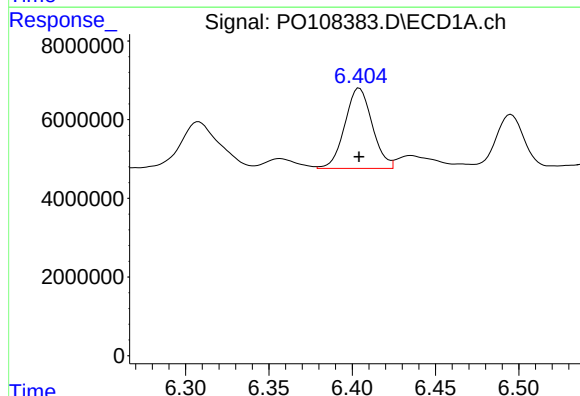
Manual Integrations
APPROVED

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



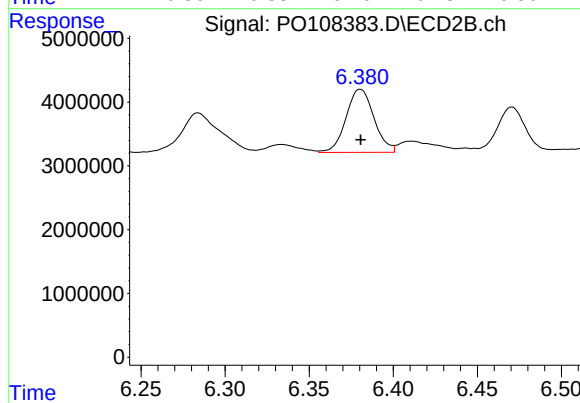
#28 AR-1254-3

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



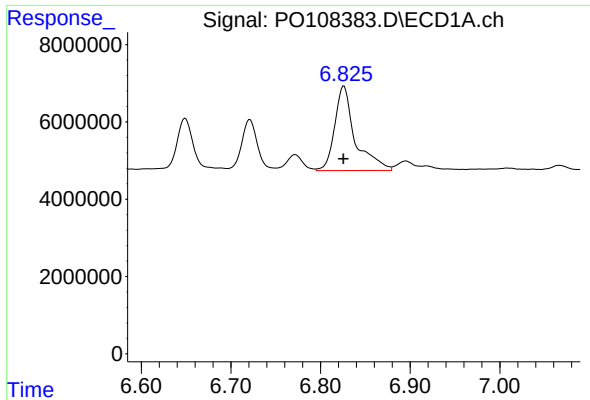
#29 AR-1254-4

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



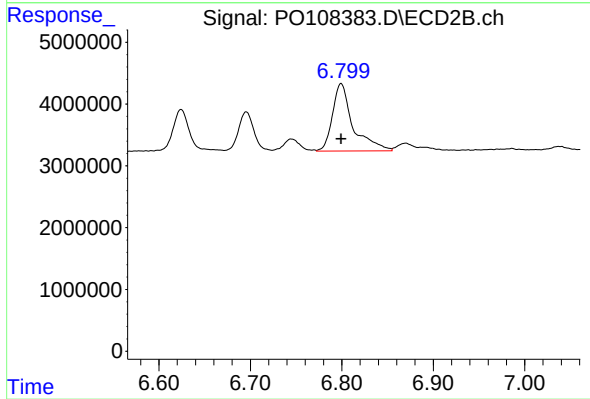
#30 AR-1254-5

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

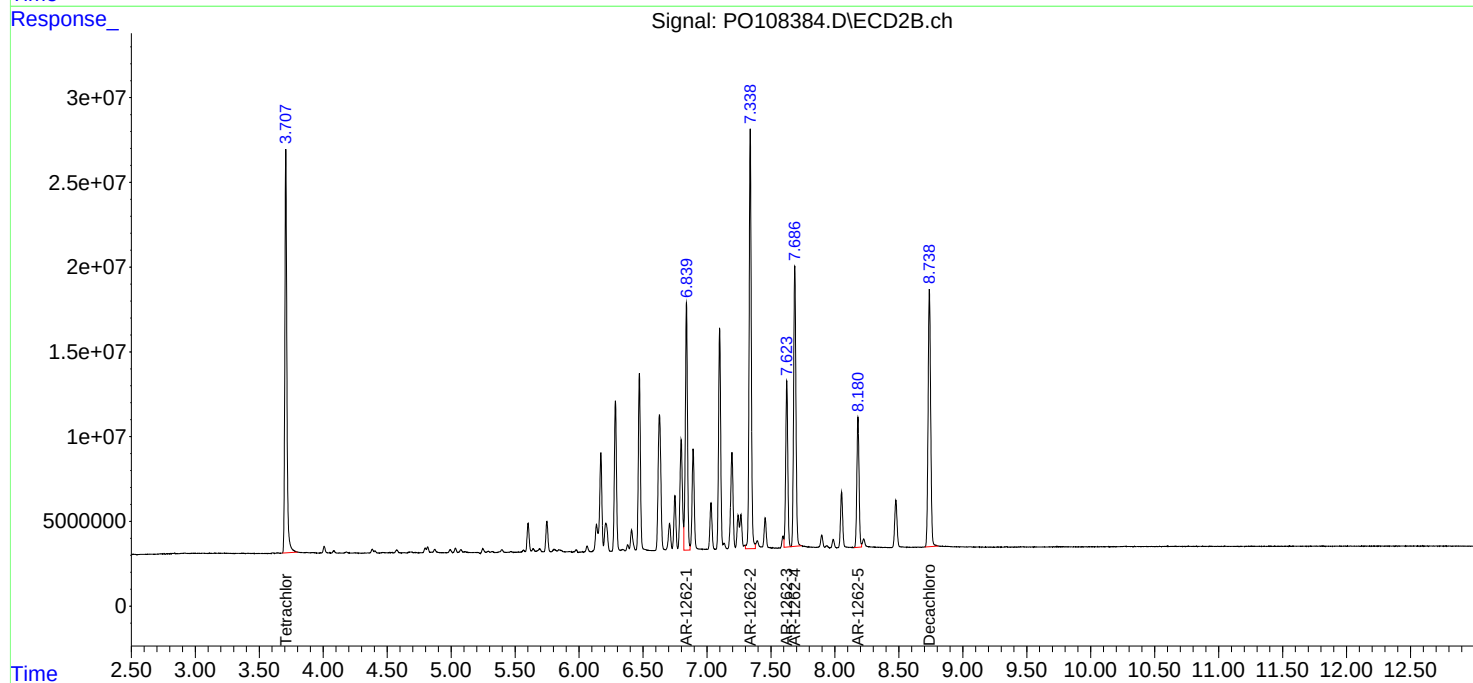
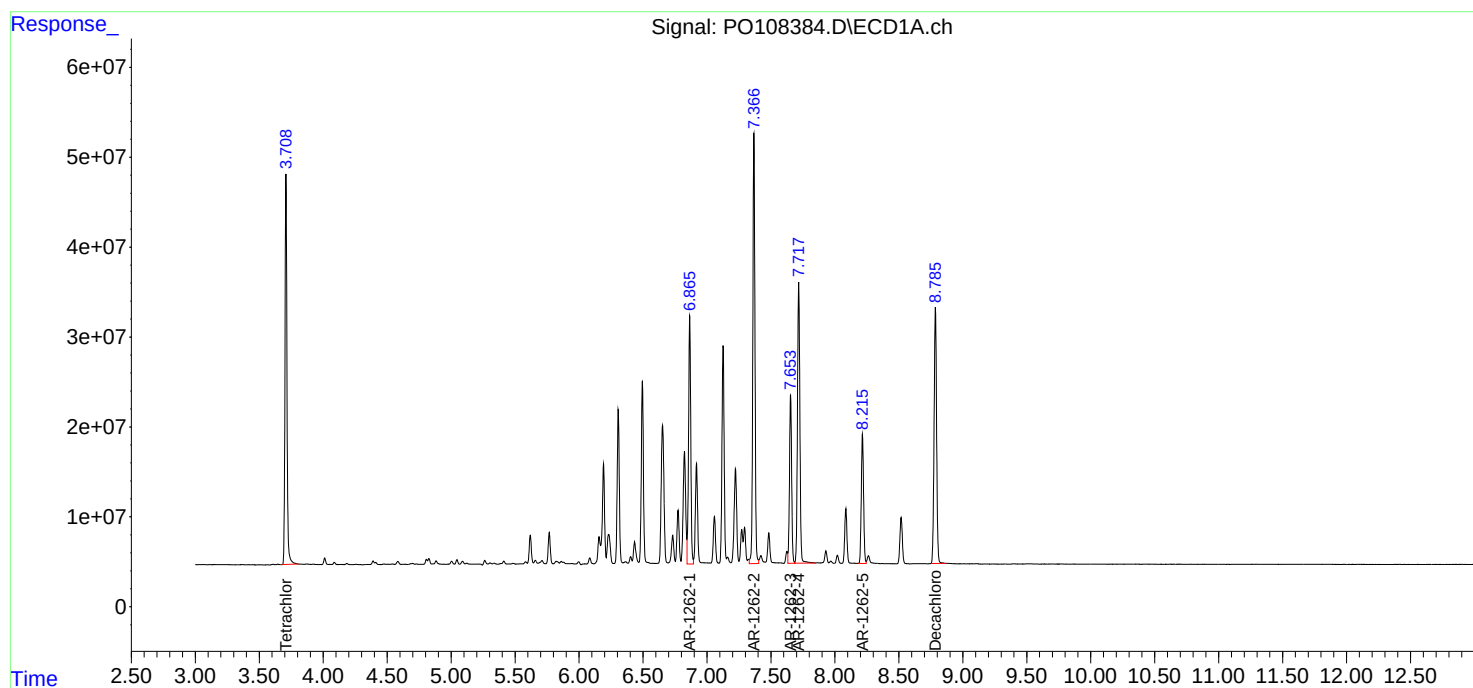
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

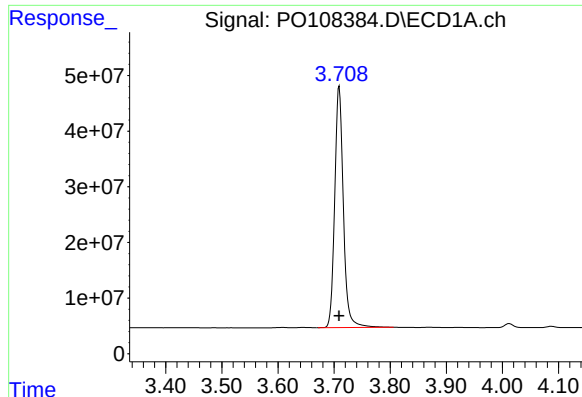
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:03
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

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

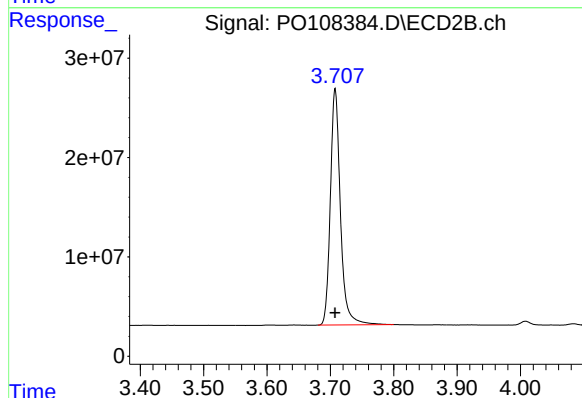




#1 Tetrachloro-m-xylene

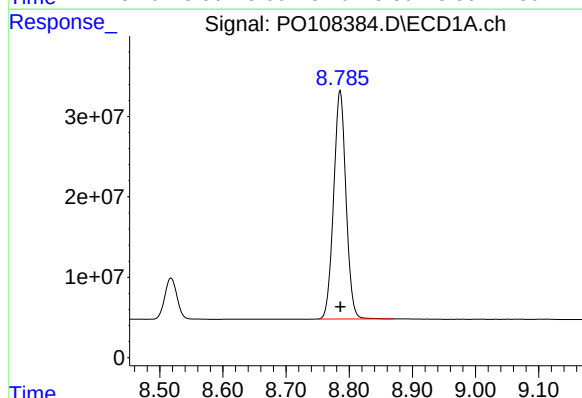
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 464863311
Conc: 50.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



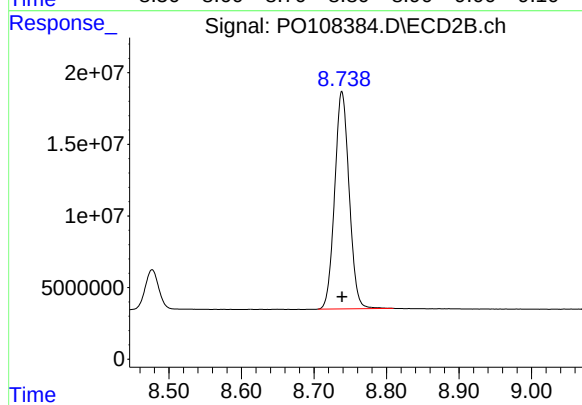
#1 Tetrachloro-m-xylene

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



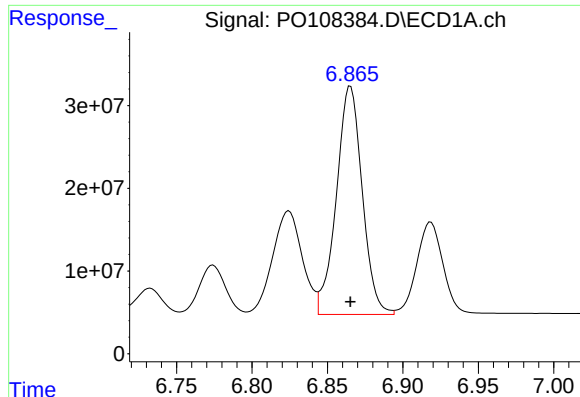
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

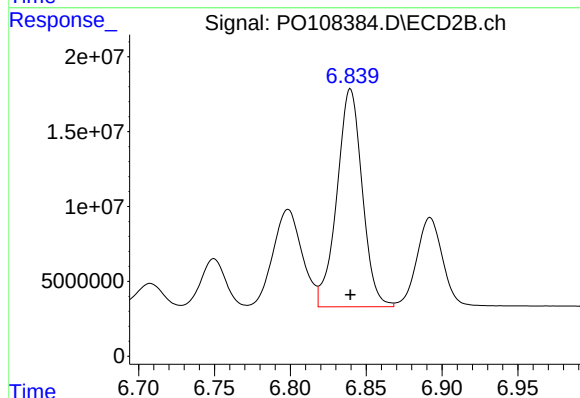
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 210636841
Conc: 50.00 ng/ml



#36 AR-1262-1

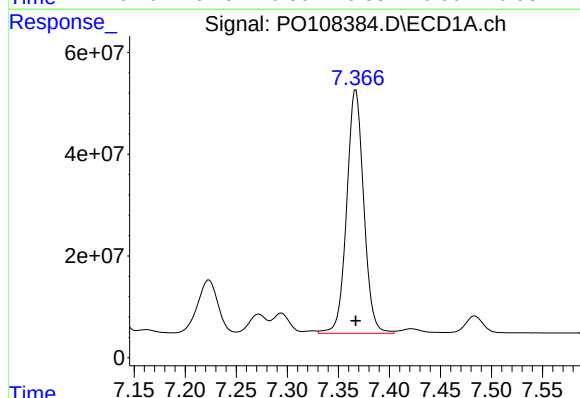
R.T.: 6.865 min
Delta R.T.: 0.000 min
Response: 329197710
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



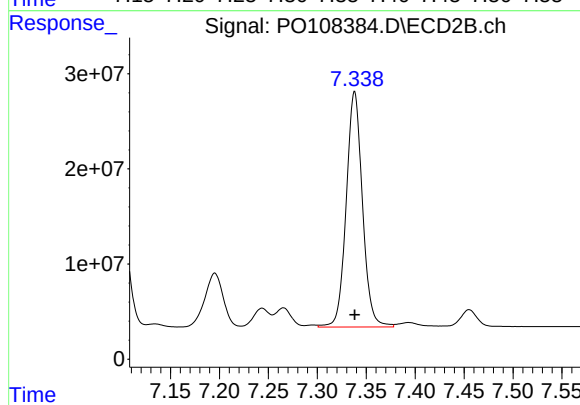
#36 AR-1262-1

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



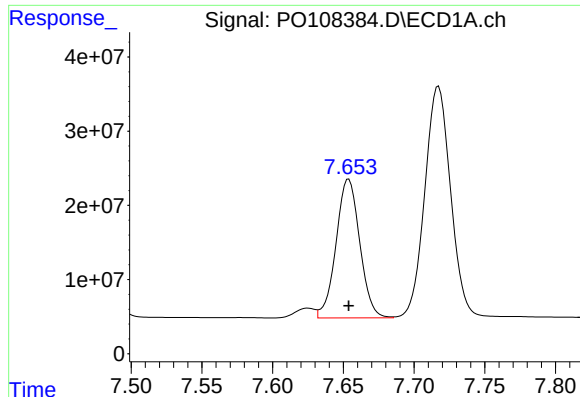
#37 AR-1262-2

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



#37 AR-1262-2

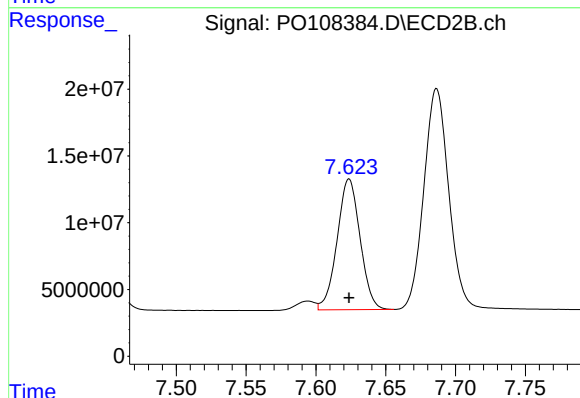
R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 285927422
Conc: 500.00 ng/ml



#38 AR-1262-3

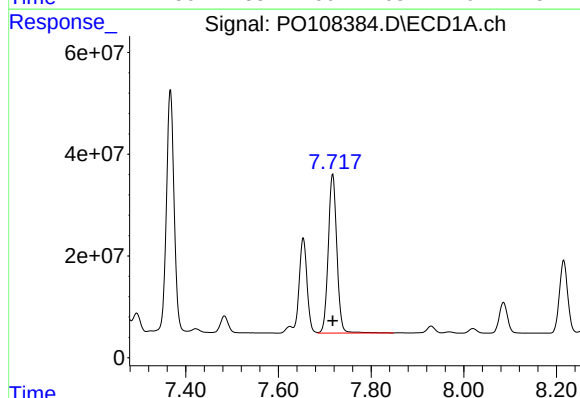
R.T.: 7.654 min
Delta R.T.: 0.000 min
Response: 218427653
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1262ICC500



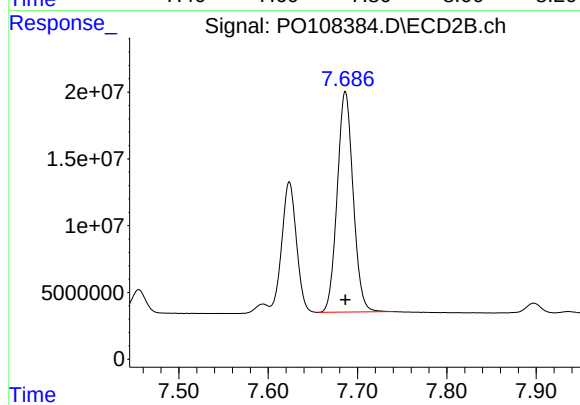
#38 AR-1262-3

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

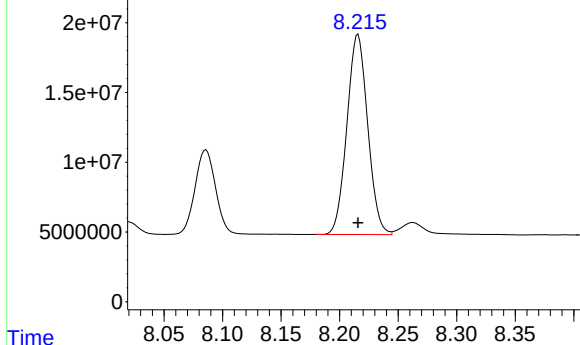
R.T.: 7.686 min
Delta R.T.: 0.000 min
Response: 204794023
Conc: 500.00 ng/ml

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

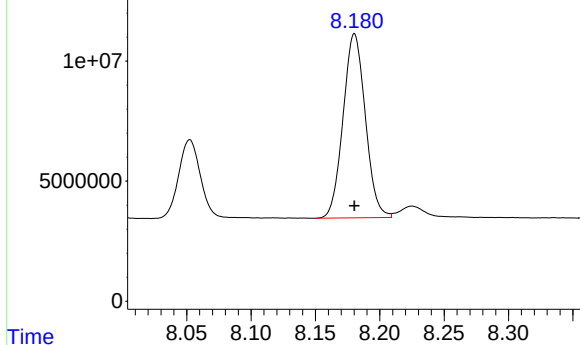
Instrument :
ECD_O
ClientSampleId :
AR1262ICC500

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

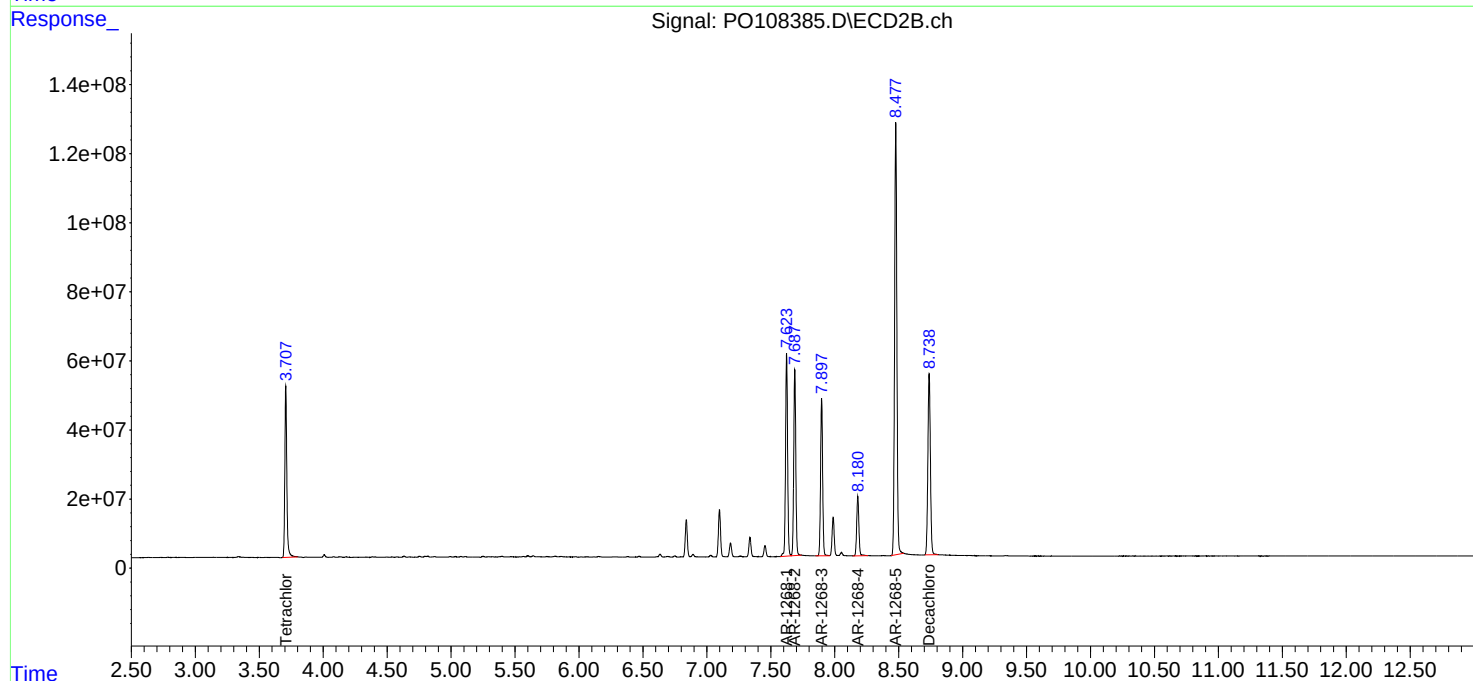
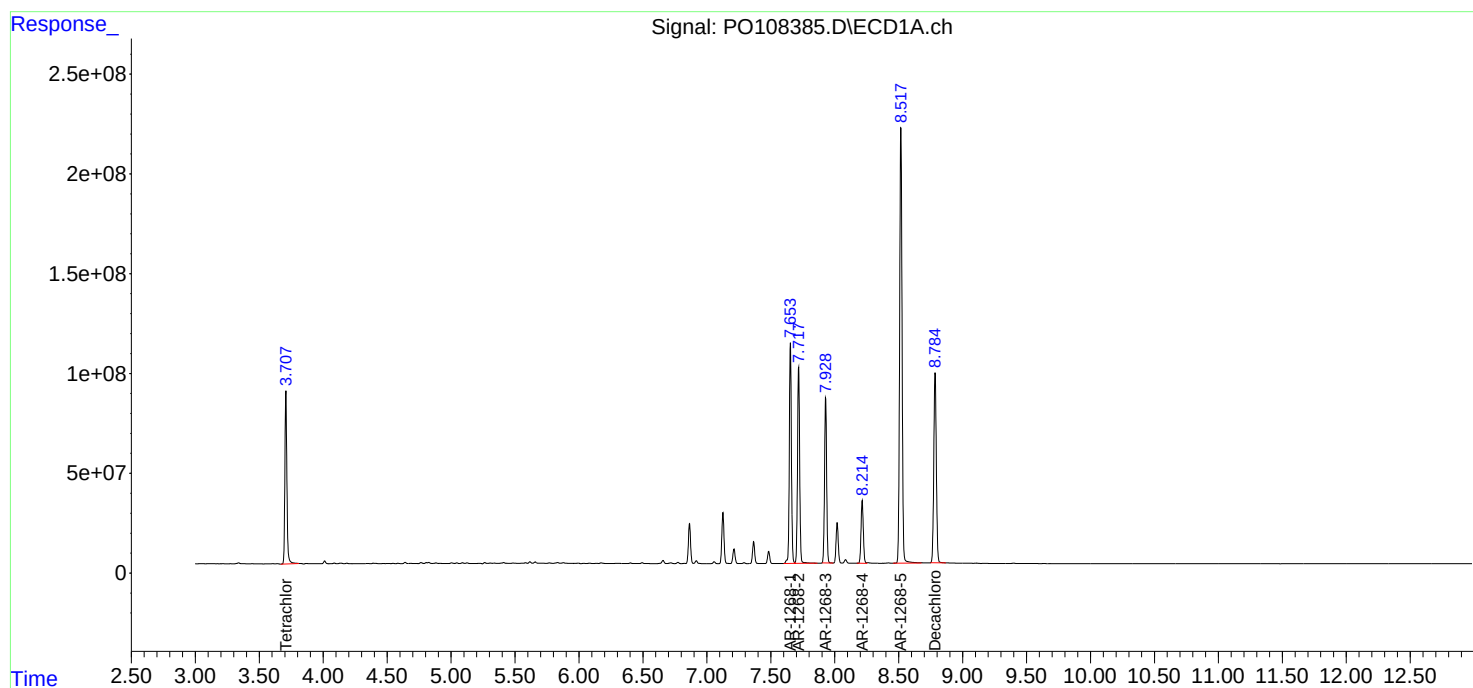
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

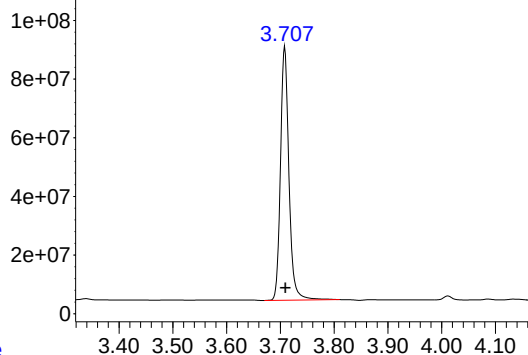
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

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

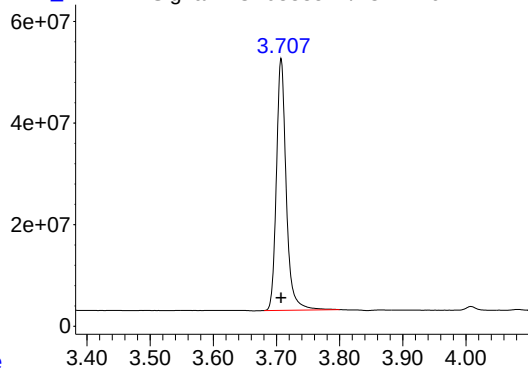


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

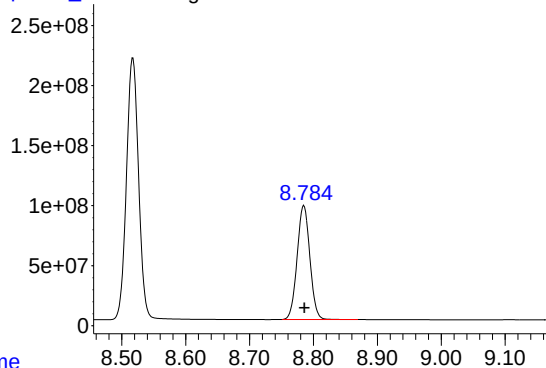
Time Response_ Signal: PO108385.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

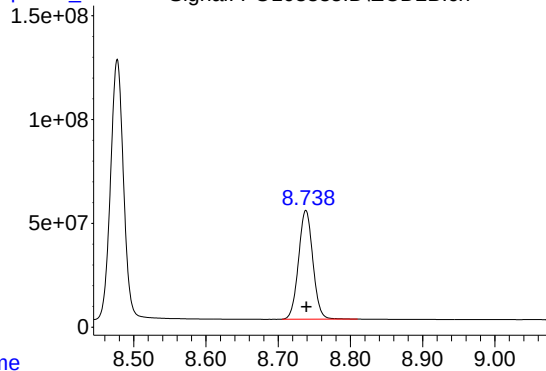
Time Response_ Signal: PO108385.D\ECD1A.ch



#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



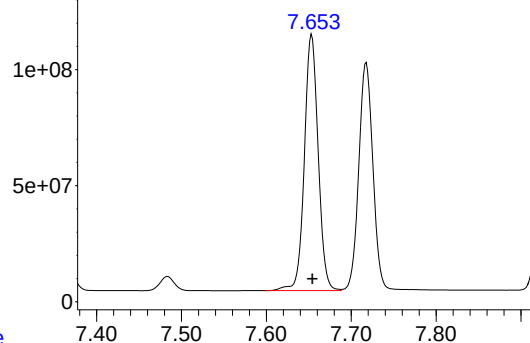
#2 Decachlorobiphenyl

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

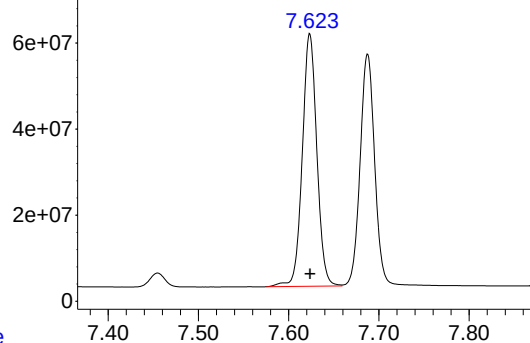
Instrument :
ECD_O
ClientSampleId :
AR1268ICC1000

Time

Response_

Signal: PO108385.D\ECD2B.ch

#41 AR-1268-1



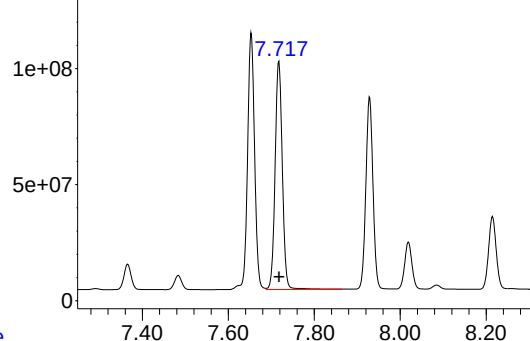
R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 656711077
Conc: 1016.72 ng/ml

Time

Response_

Signal: PO108385.D\ECD1A.ch

#42 AR-1268-2



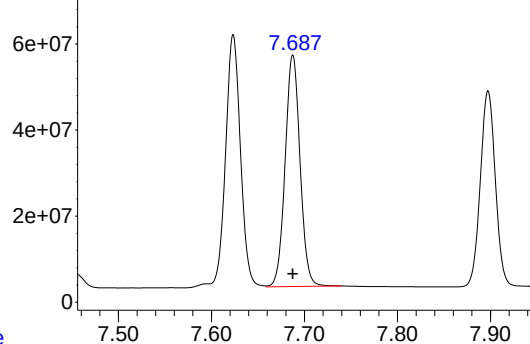
R.T.: 7.718 min
Delta R.T.: 0.000 min
Response: 1144198522
Conc: 1028.74 ng/ml

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

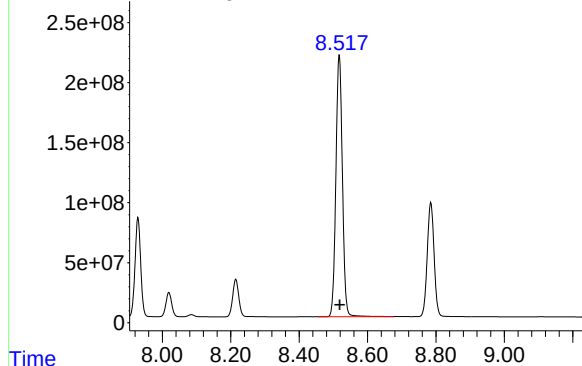
#44 AR-1268-4

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

Time

Response_ Signal: PO108385.D\ECD1A.ch

#45 AR-1268-5

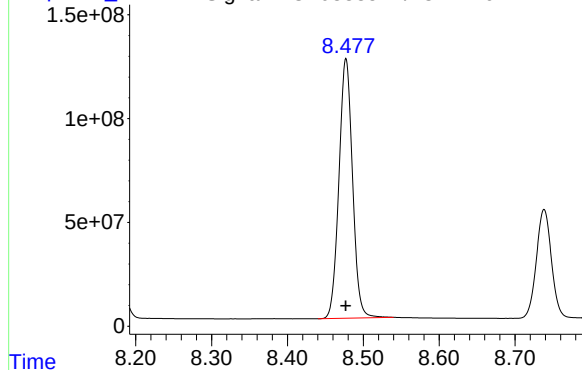


R.T.: 8.517 min
Delta R.T.: -0.001 min
Response: 2890019913
Conc: 1041.95 ng/ml

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

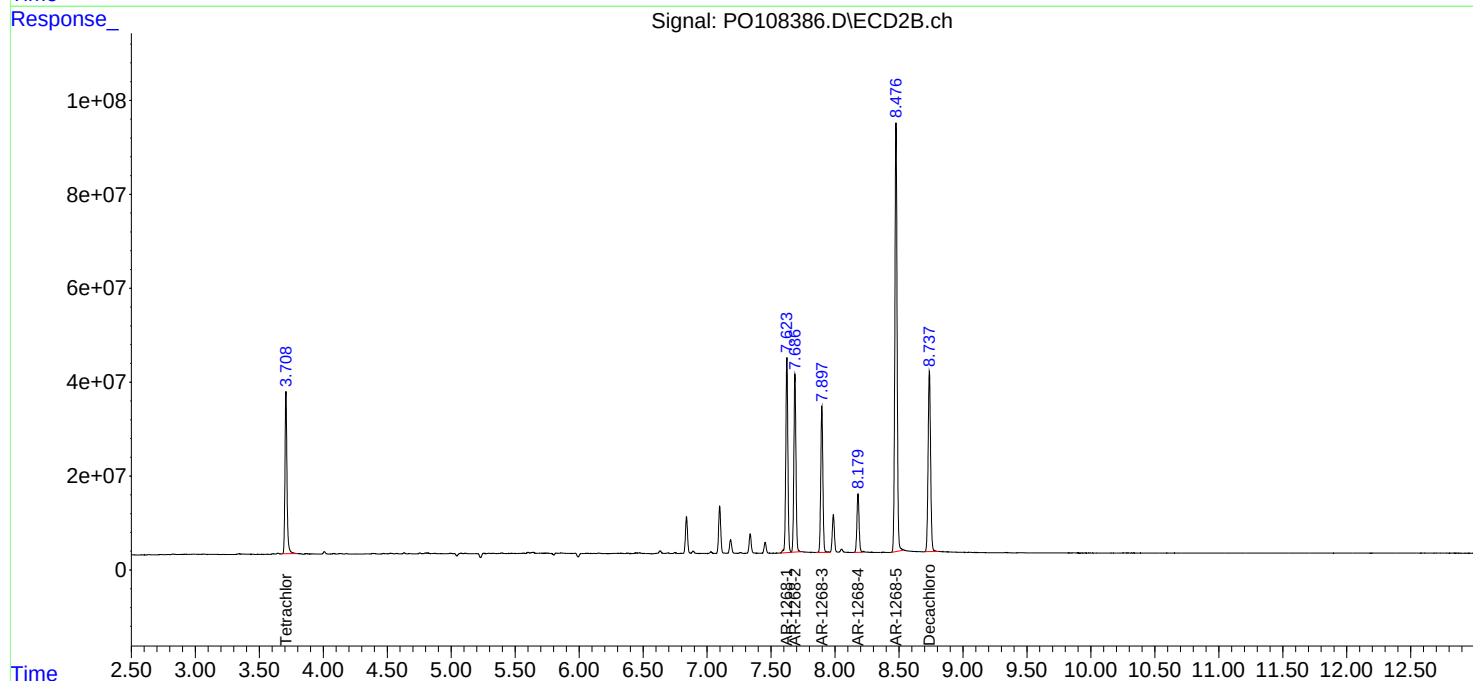
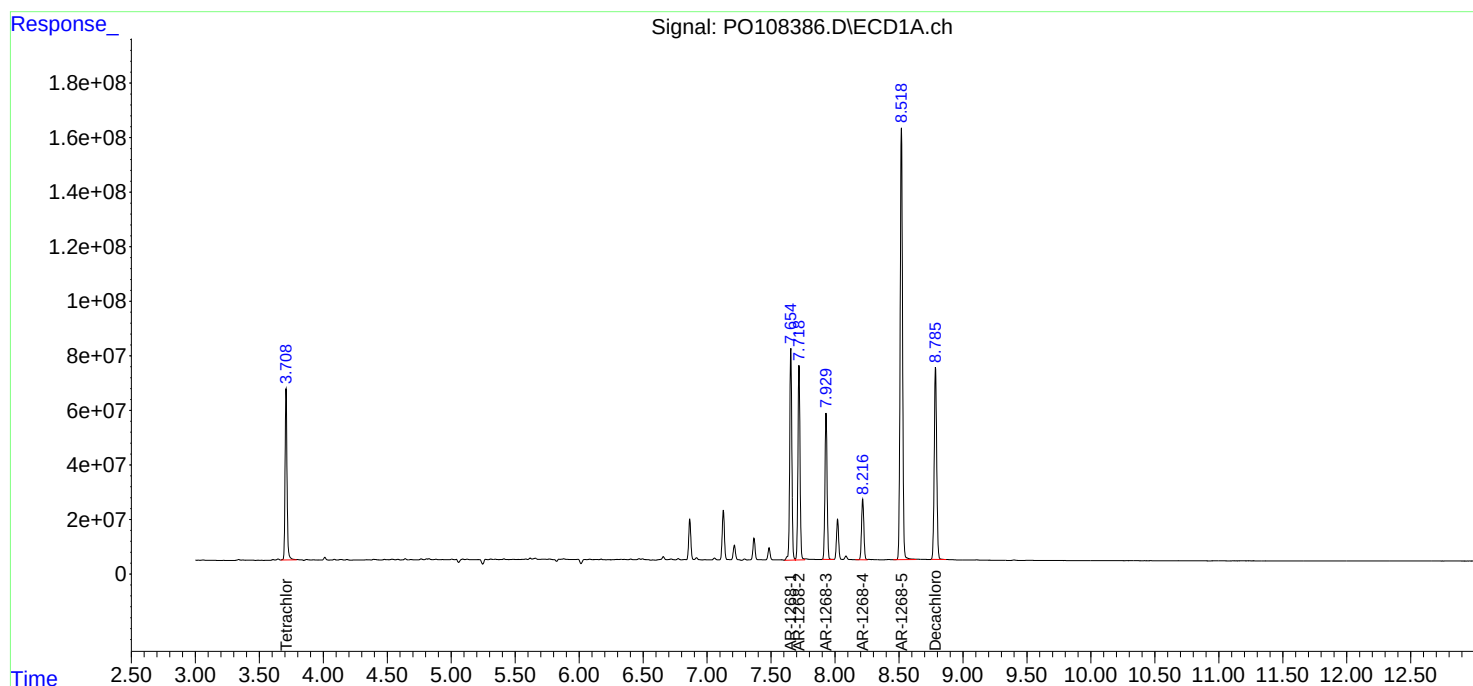
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

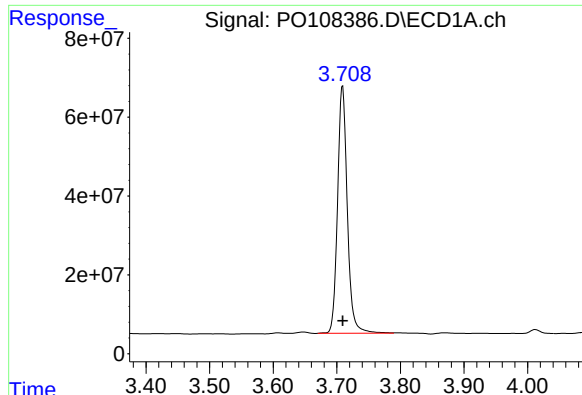
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108386.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 21:39
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

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

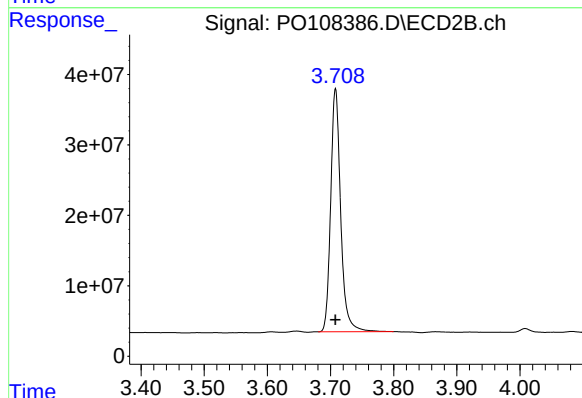




#1 Tetrachloro-m-xylene

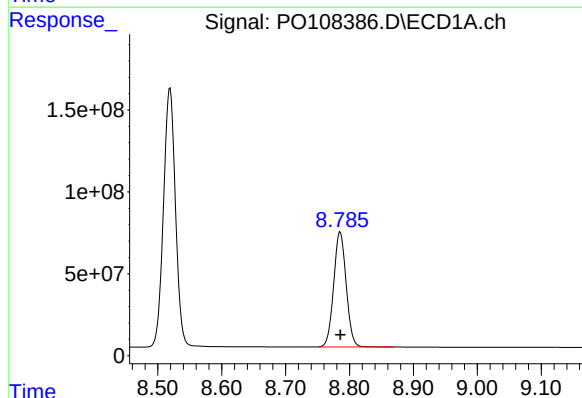
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 669456383
Conc: 71.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



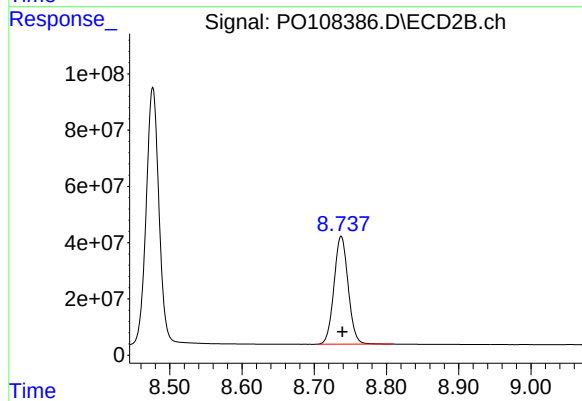
#1 Tetrachloro-m-xylene

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

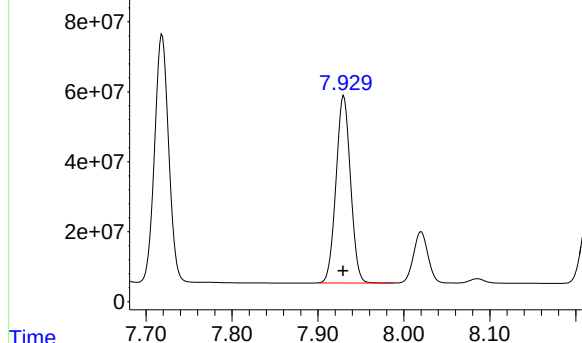
Time

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

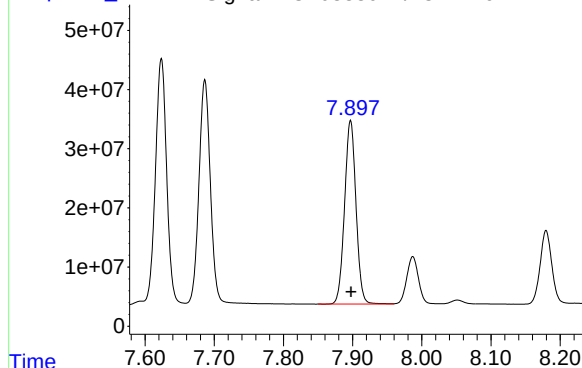
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750



Response_ Signal: PO108386.D\ECD2B.ch

#43 AR-1268-3

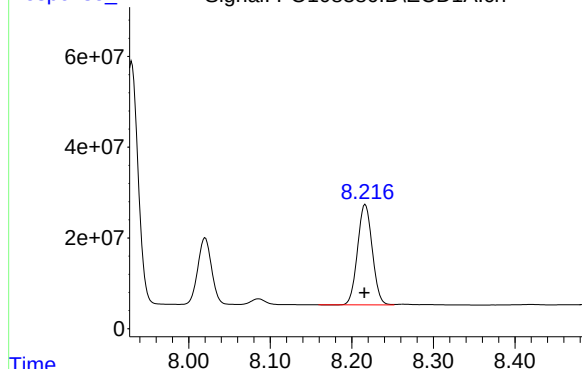
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 355334791
Conc: 707.25 ng/ml



Response_ Signal: PO108386.D\ECD1A.ch

#44 AR-1268-4

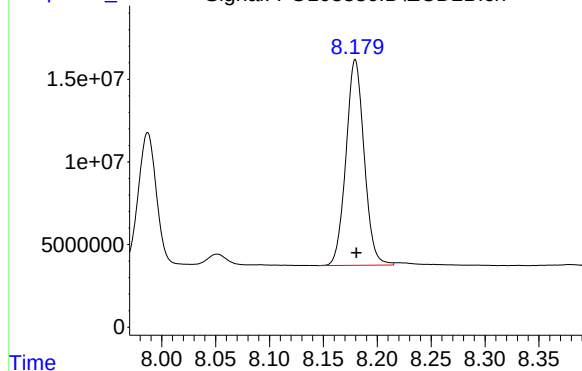
R.T.: 8.217 min
Delta R.T.: 0.000 min
Response: 277701172
Conc: 723.02 ng/ml

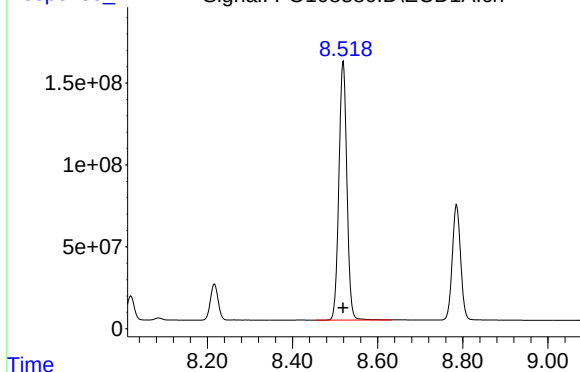


Response_ Signal: PO108386.D\ECD2B.ch

#44 AR-1268-4

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





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

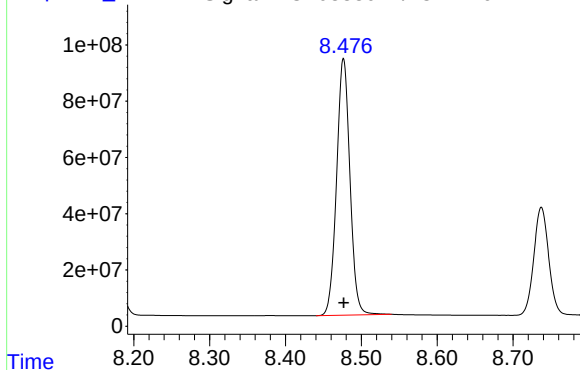
Instrument :
ECD_O
ClientSampleId :
AR1268ICC750

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

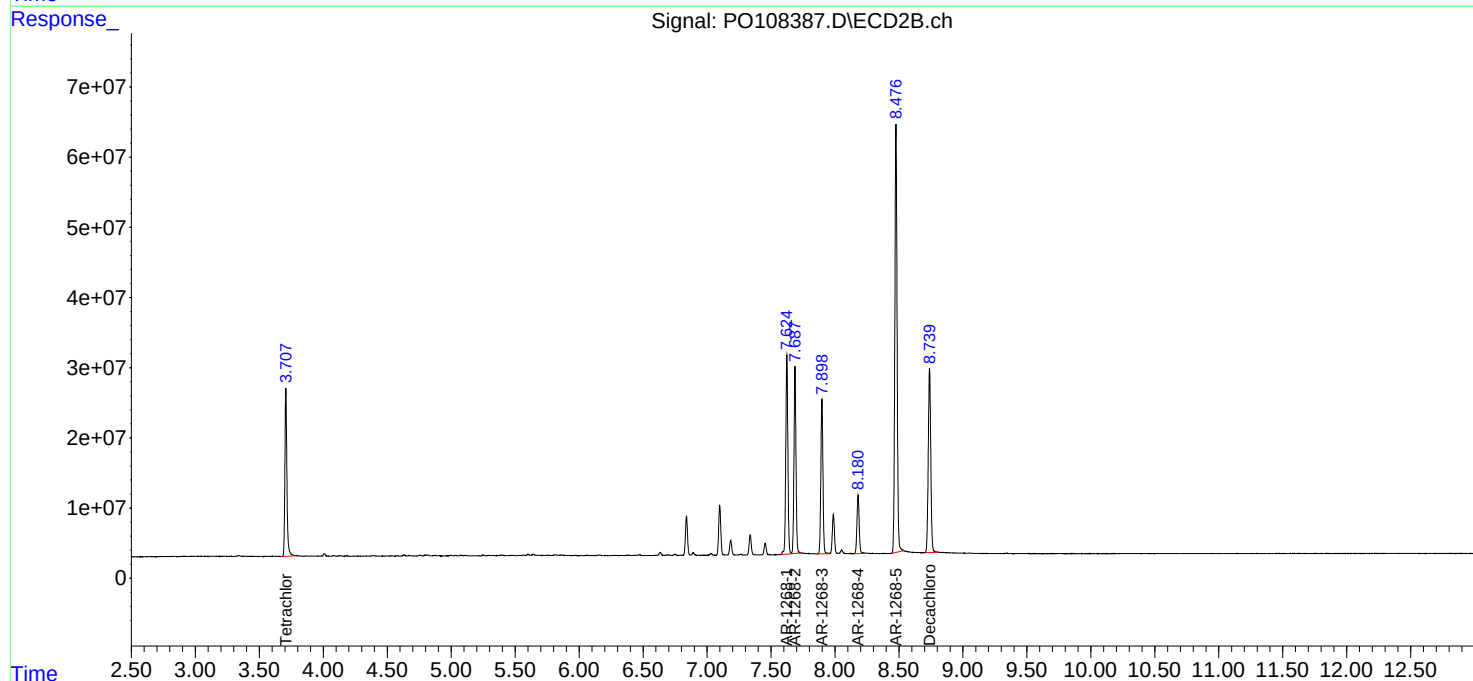
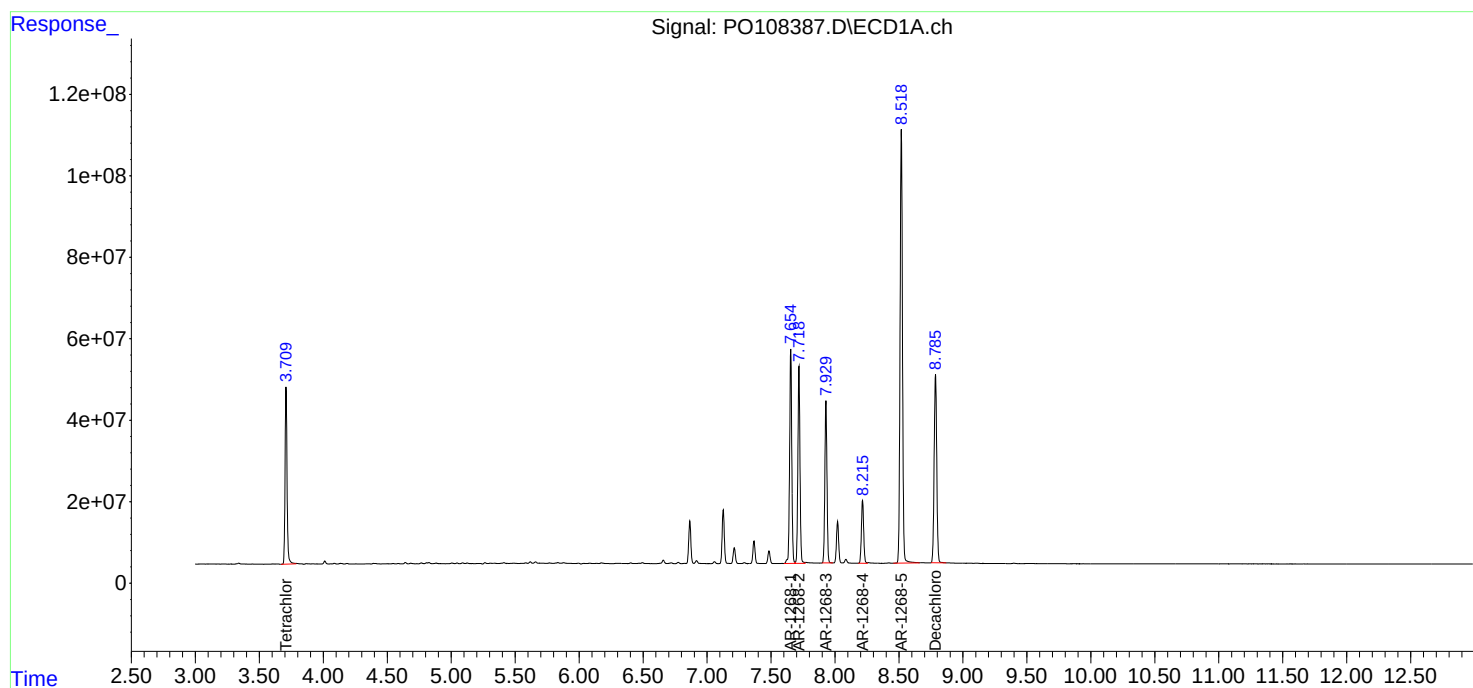
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

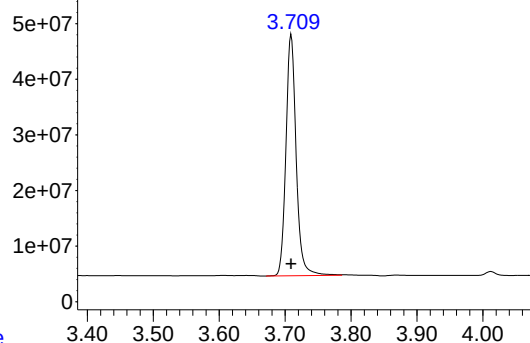
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PO108387.D\ECD1A.ch

#1 Tetrachloro-m-xylene



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

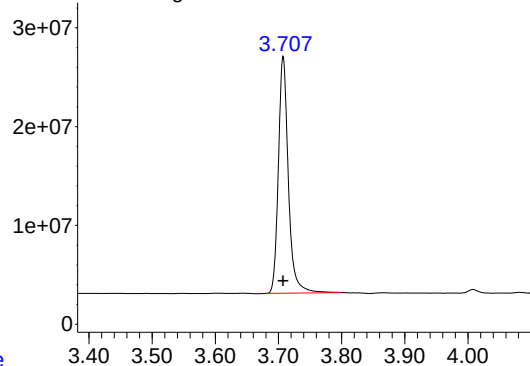
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PO108387.D\ECD2B.ch

#1 Tetrachloro-m-xylene



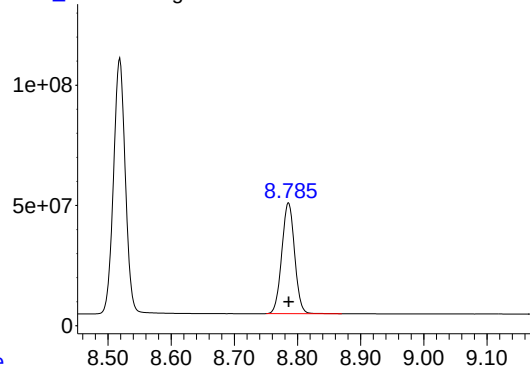
R.T.: 3.708 min
Delta R.T.: 0.000 min
Response: 262989420
Conc: 50.00 ng/ml

Time

Response_

Signal: PO108387.D\ECD1A.ch

#2 Decachlorobiphenyl



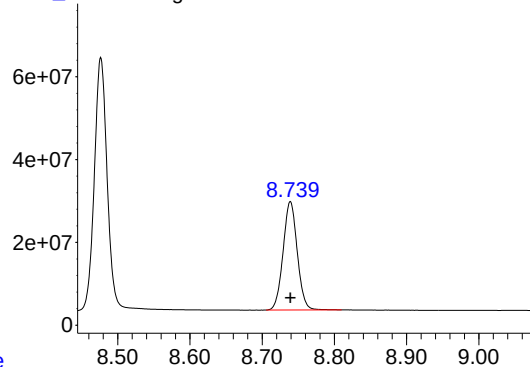
R.T.: 8.786 min
Delta R.T.: 0.000 min
Response: 649260310
Conc: 50.00 ng/ml

Time

Response_

Signal: PO108387.D\ECD2B.ch

#2 Decachlorobiphenyl



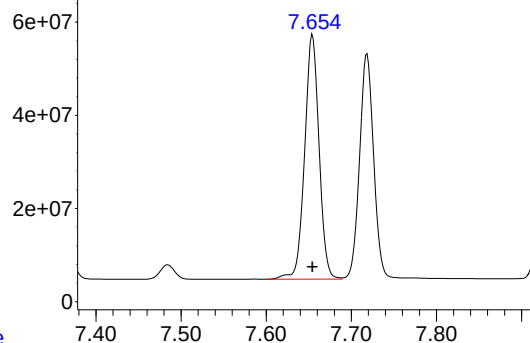
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 357140184
Conc: 50.00 ng/ml

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

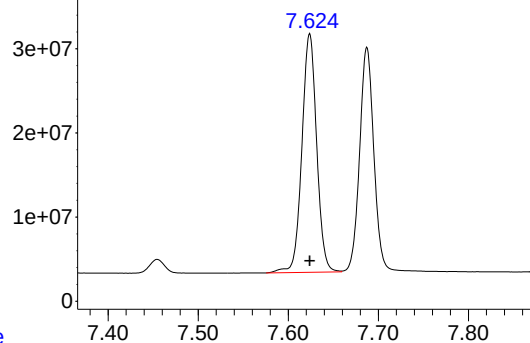
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Time

Response_

Signal: PO108387.D\ECD2B.ch

#41 AR-1268-1



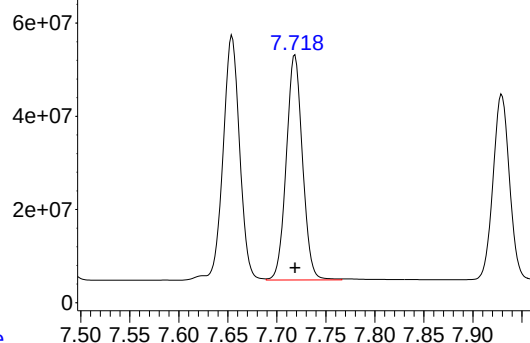
R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 322954995
Conc: 500.00 ng/ml

Time

Response_

Signal: PO108387.D\ECD1A.ch

#42 AR-1268-2



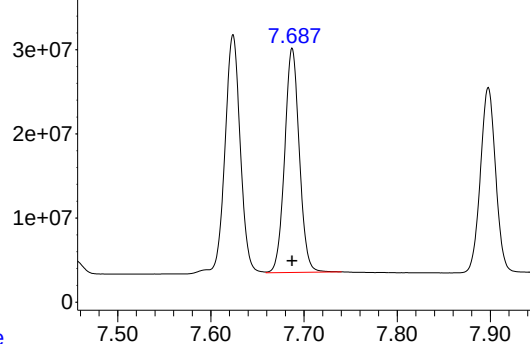
R.T.: 7.718 min
Delta R.T.: 0.000 min
Response: 556114731
Conc: 500.00 ng/ml

Time

Response_

Signal: PO108387.D\ECD2B.ch

#42 AR-1268-2

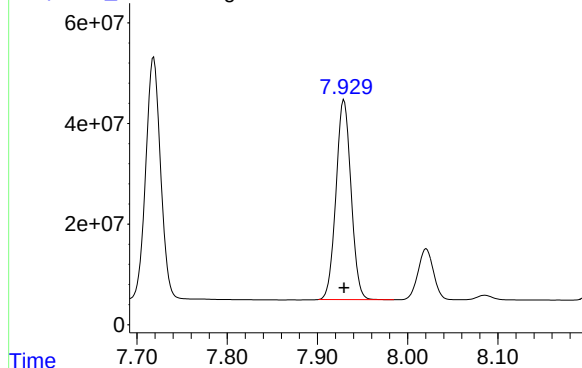


R.T.: 7.687 min
Delta R.T.: 0.000 min
Response: 290791613
Conc: 500.00 ng/ml

Time

Response_ Signal: PO108387.D\ECD1A.ch

#43 AR-1268-3

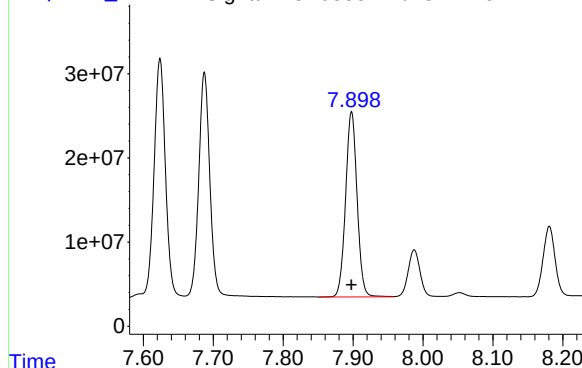


R.T.: 7.929 min
Delta R.T.: 0.000 min
Response: 459670374
Conc: 500.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

Response_ Signal: PO108387.D\ECD2B.ch

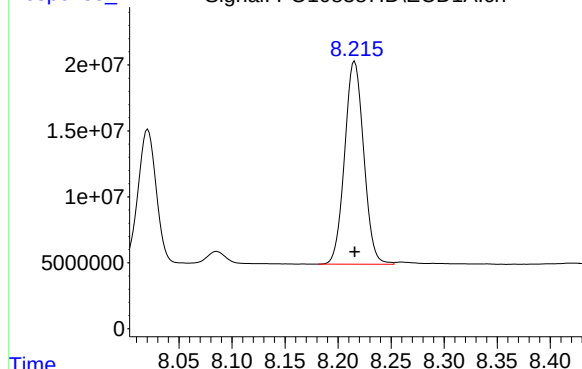
#43 AR-1268-3



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

Response_ Signal: PO108387.D\ECD1A.ch

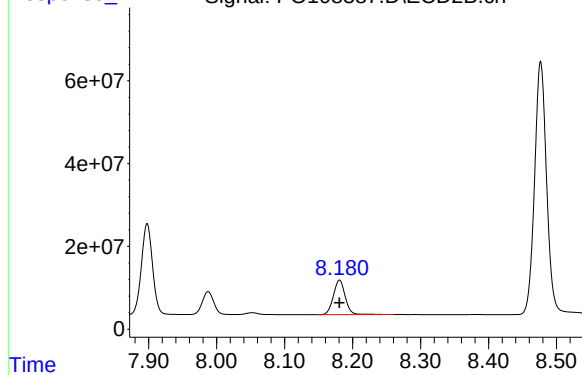
#44 AR-1268-4



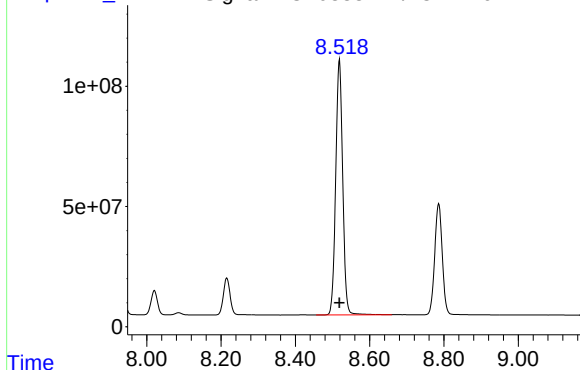
R.T.: 8.216 min
Delta R.T.: 0.000 min
Response: 192043404
Conc: 500.00 ng/ml

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



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

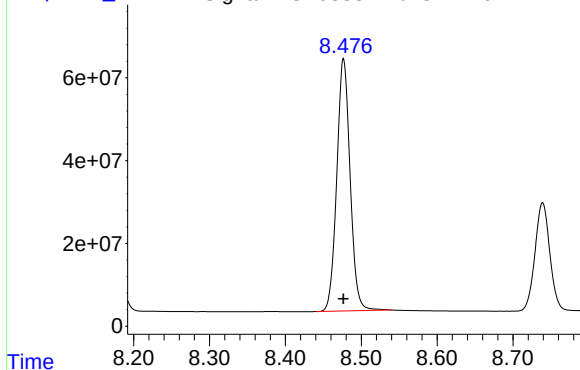
Instrument :
ECD_O
ClientSampleId :
AR1268ICC500

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

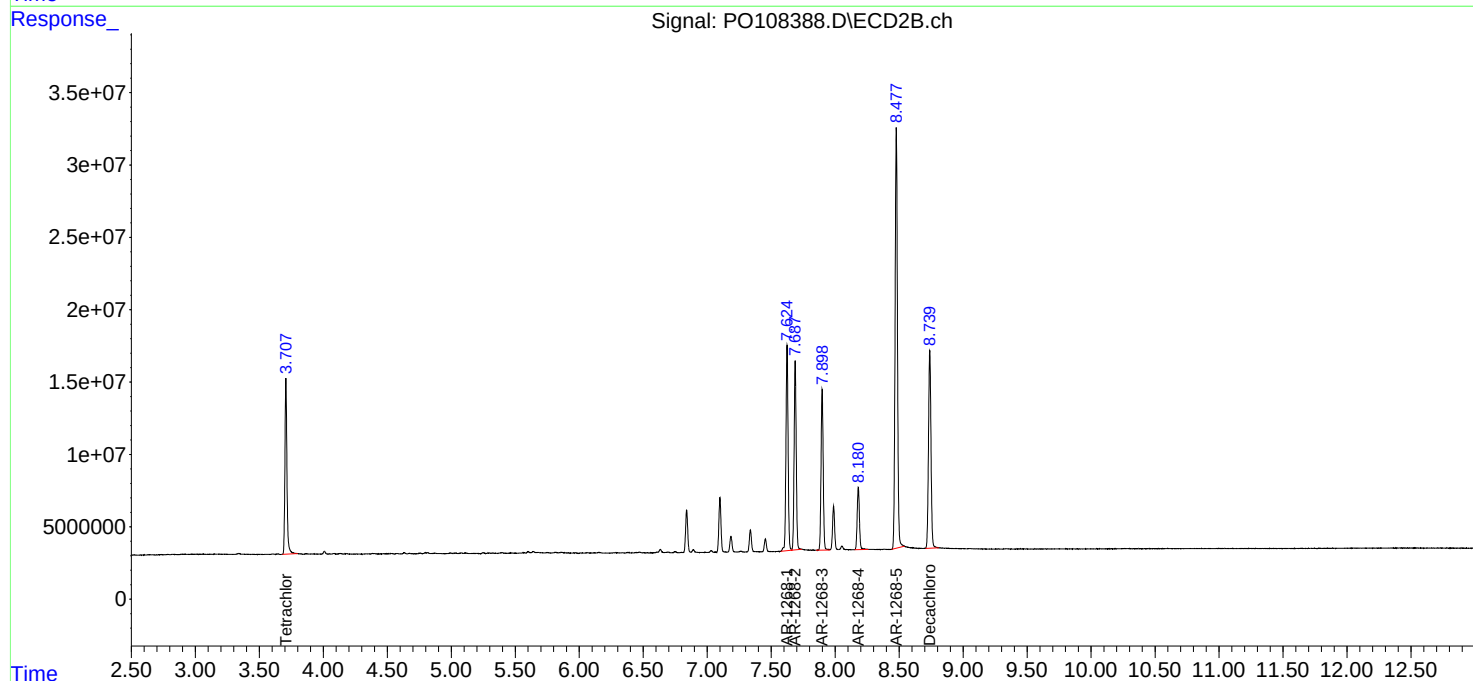
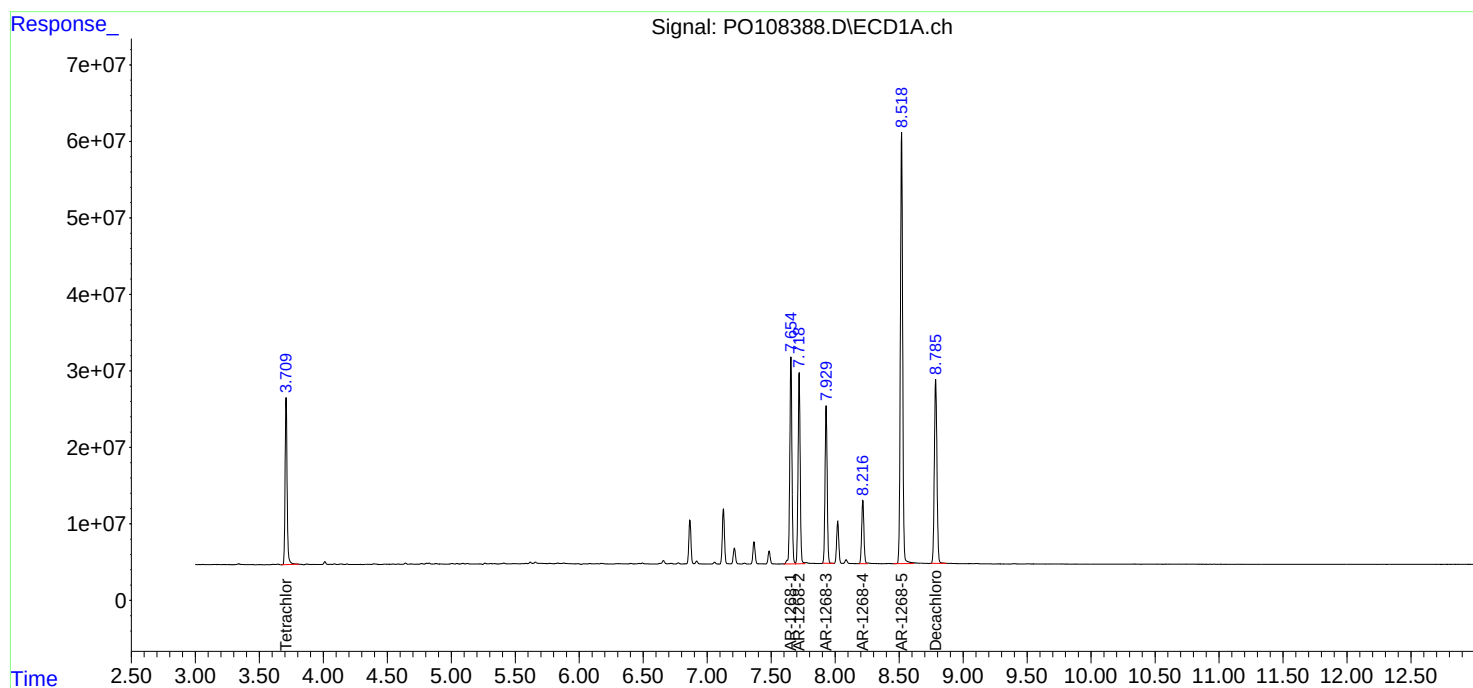
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

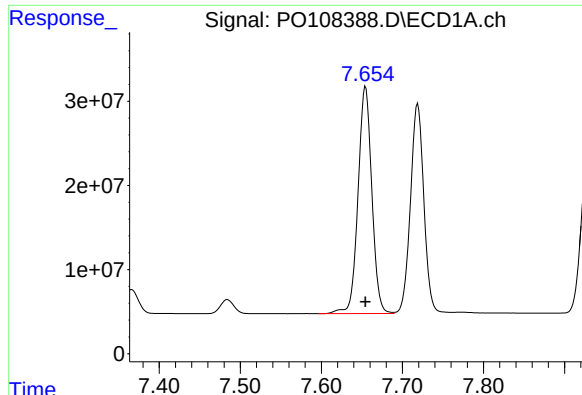
Time

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

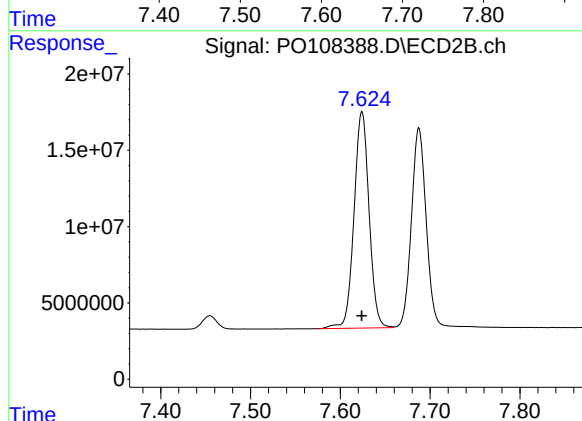
Time



#41 AR-1268-1

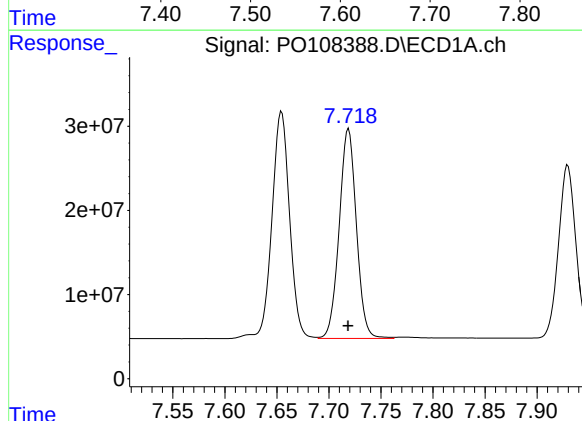
R.T.: 7.655 min
Delta R.T.: 0.000 min
Response: 319206816
Conc: 258.65 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



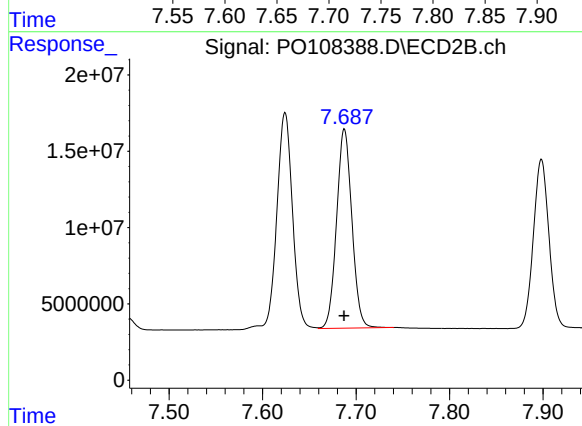
#41 AR-1268-1

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



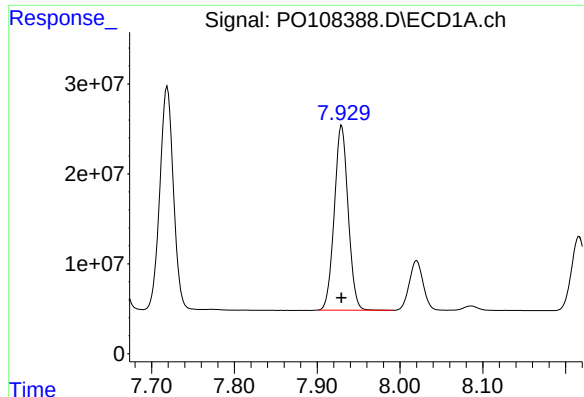
#42 AR-1268-2

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



#42 AR-1268-2

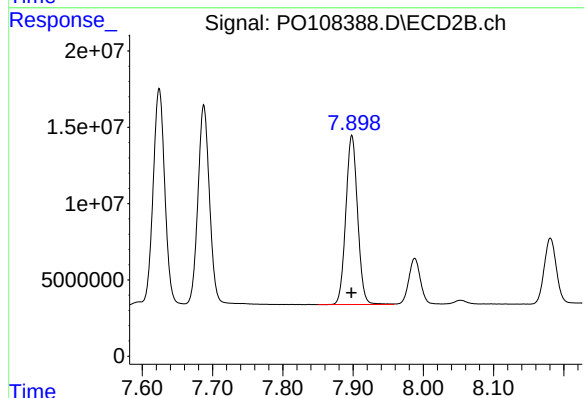
R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 148515740
Conc: 255.36 ng/ml



#43 AR-1268-3

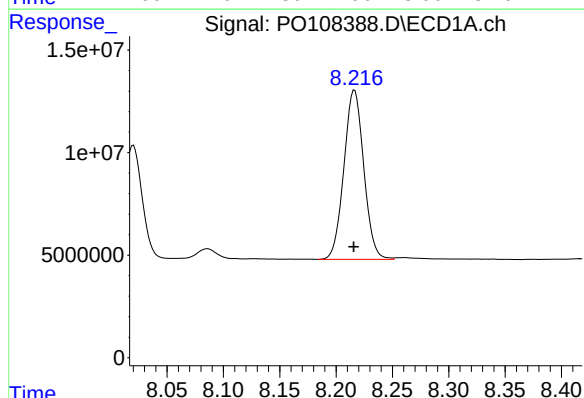
R.T.: 7.930 min
Delta R.T.: 0.000 min
Response: 238341340
Conc: 259.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC250



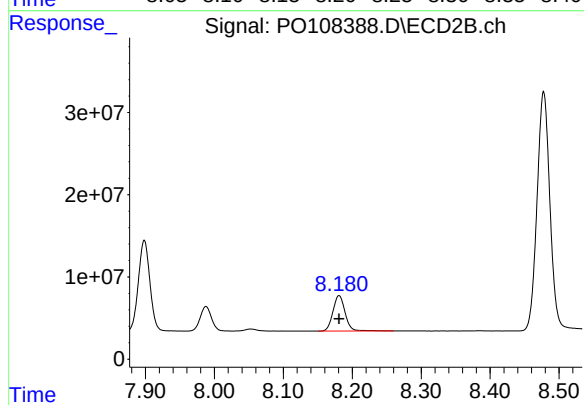
#43 AR-1268-3

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



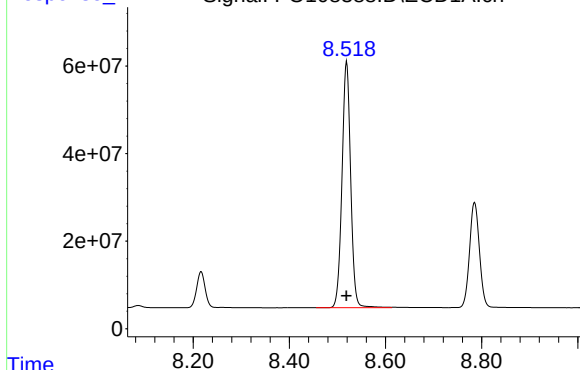
#44 AR-1268-4

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

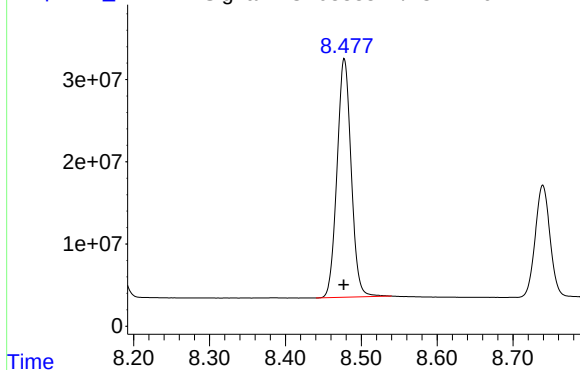
Instrument :
ECD_O
ClientSampleId :
AR1268ICC250

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

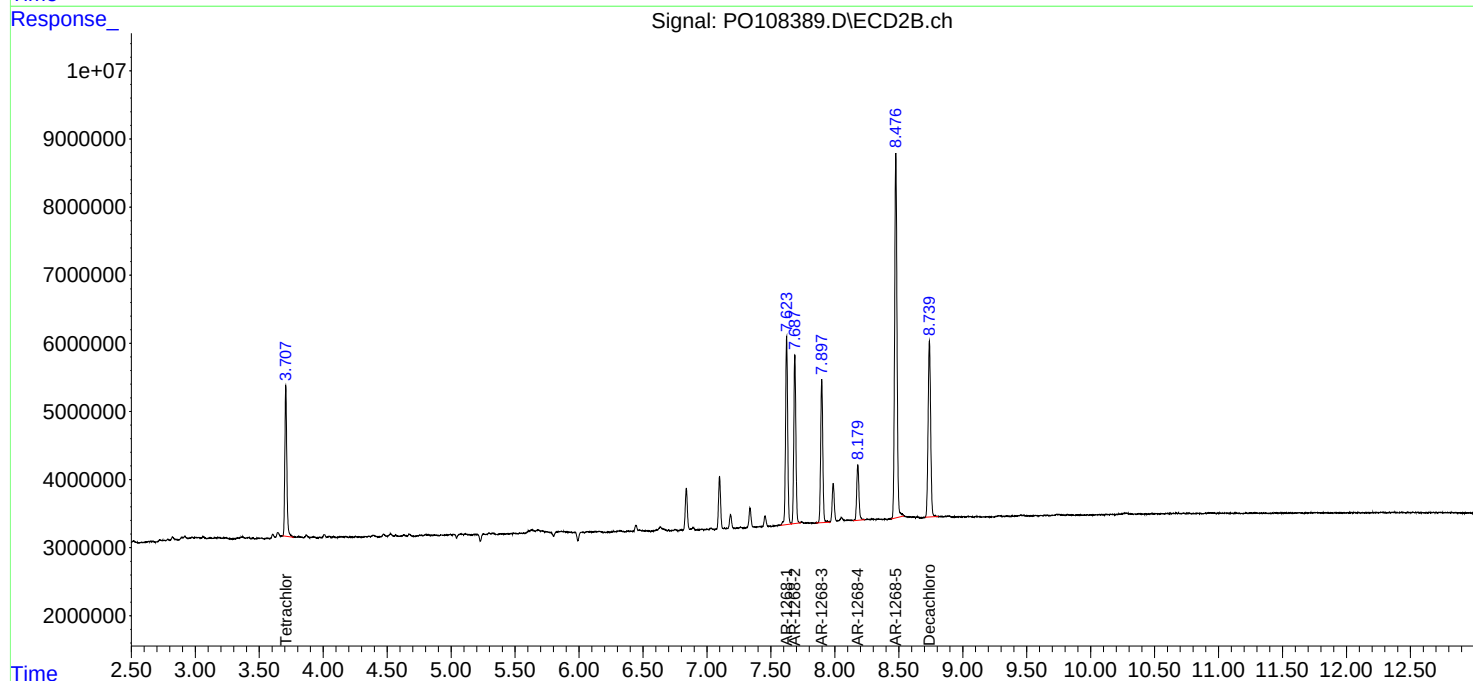
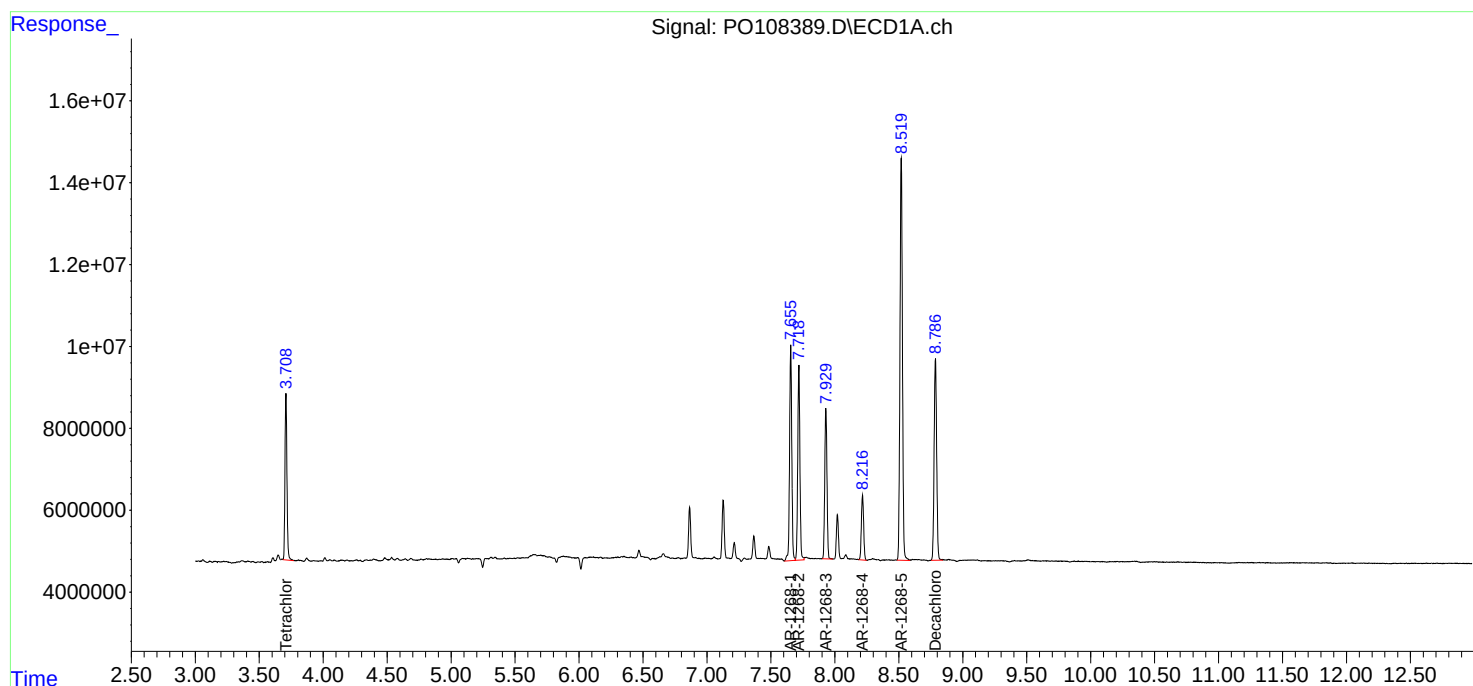
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

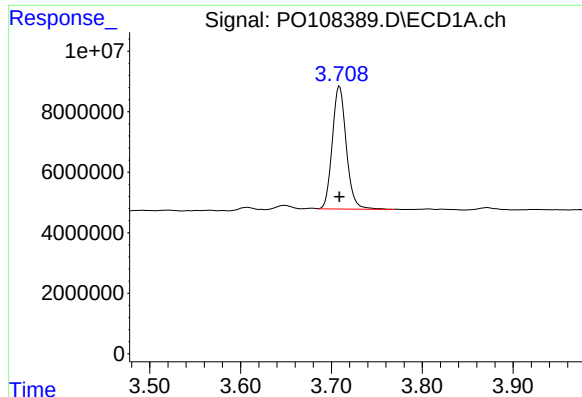
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108389.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 22:34
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

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

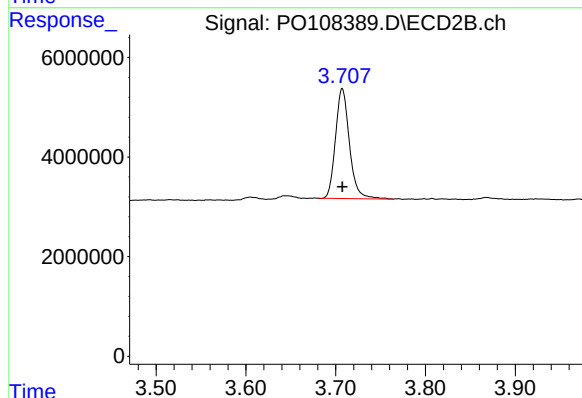




#1 Tetrachloro-m-xylene

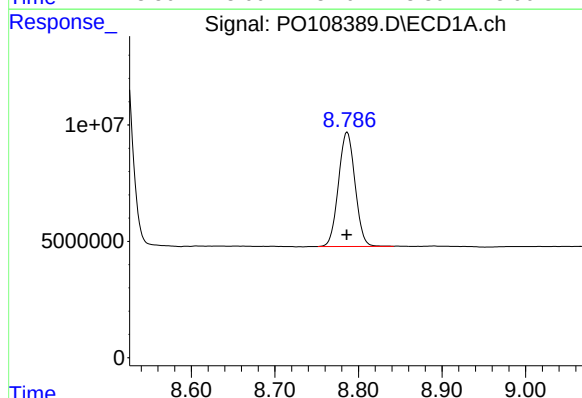
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 43397920
Conc: 4.63 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050



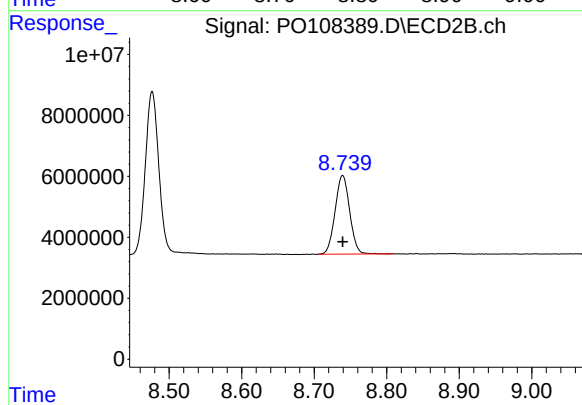
#1 Tetrachloro-m-xylene

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

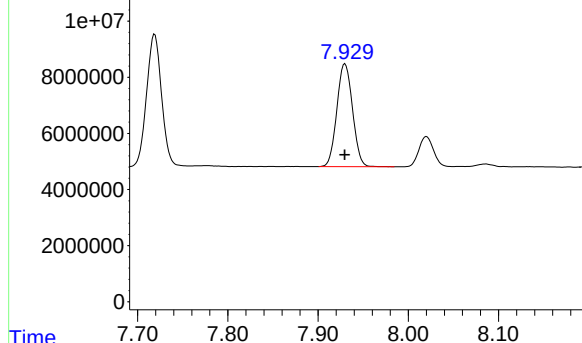
Time Response_ Signal: PO108389.D\ECD2B.ch

#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

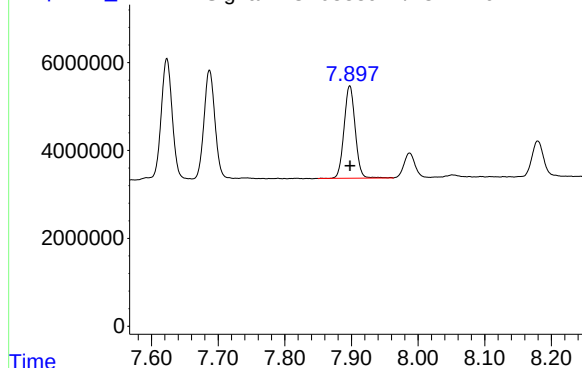


R.T.: 7.930 min
Delta R.T.: 0.000 min
Response: 44249311
Conc: 48.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

Response_ Signal: PO108389.D\ECD2B.ch

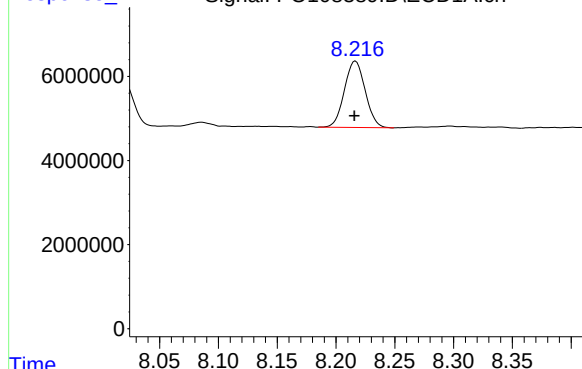
#43 AR-1268-3



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

Response_ Signal: PO108389.D\ECD1A.ch

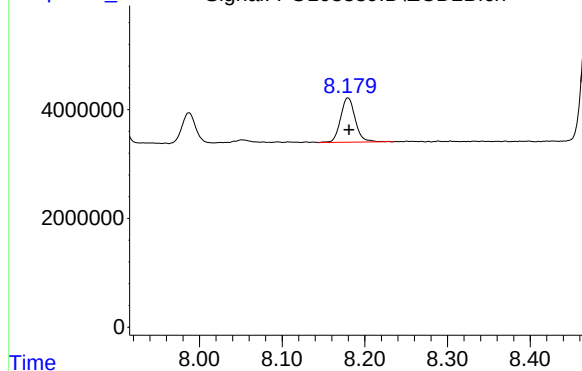
#44 AR-1268-4



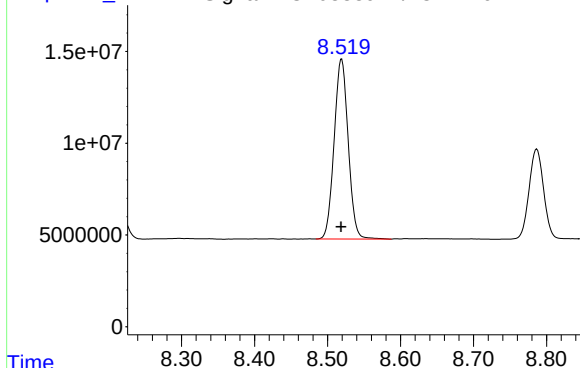
R.T.: 8.217 min
Delta R.T.: 0.001 min
Response: 19477210
Conc: 50.71 ng/ml

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



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

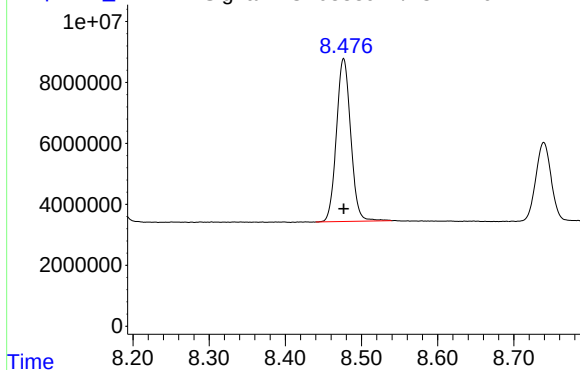
Instrument :
ECD_O
ClientSampleId :
AR1268ICC050

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

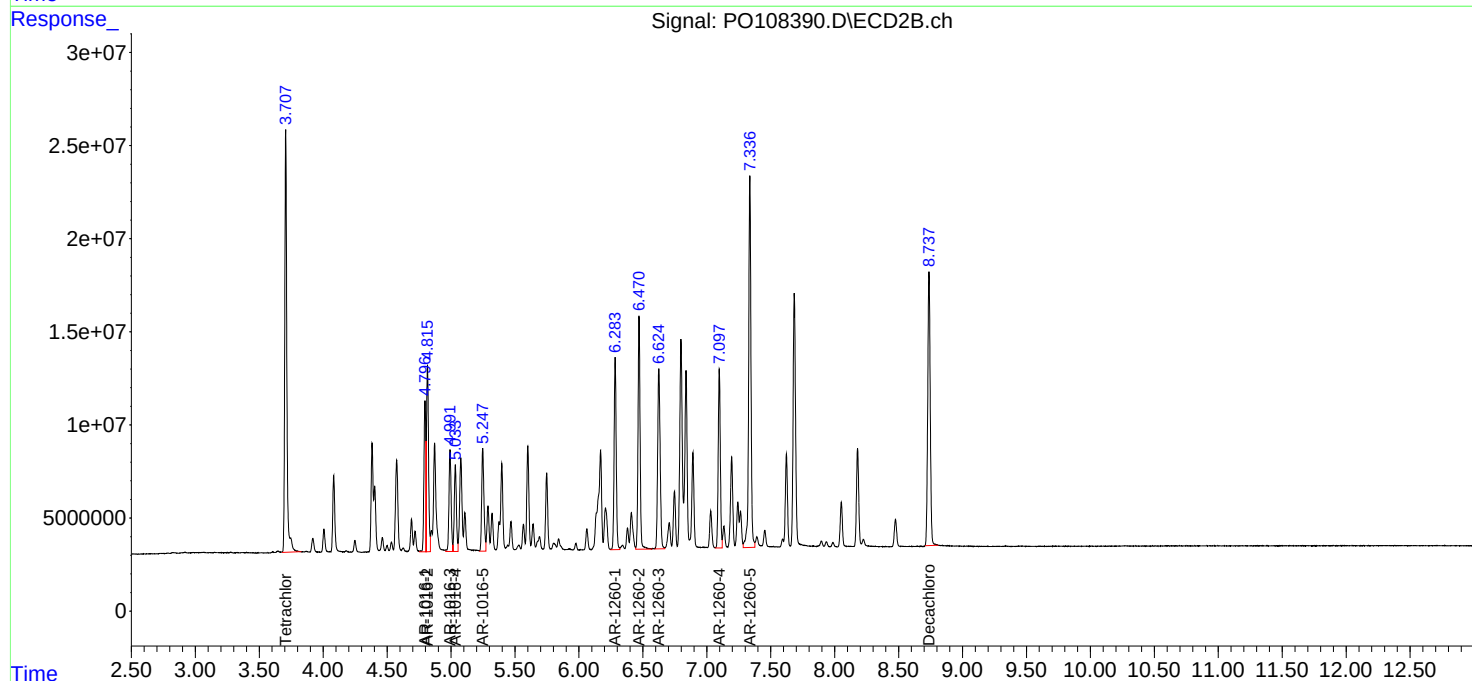
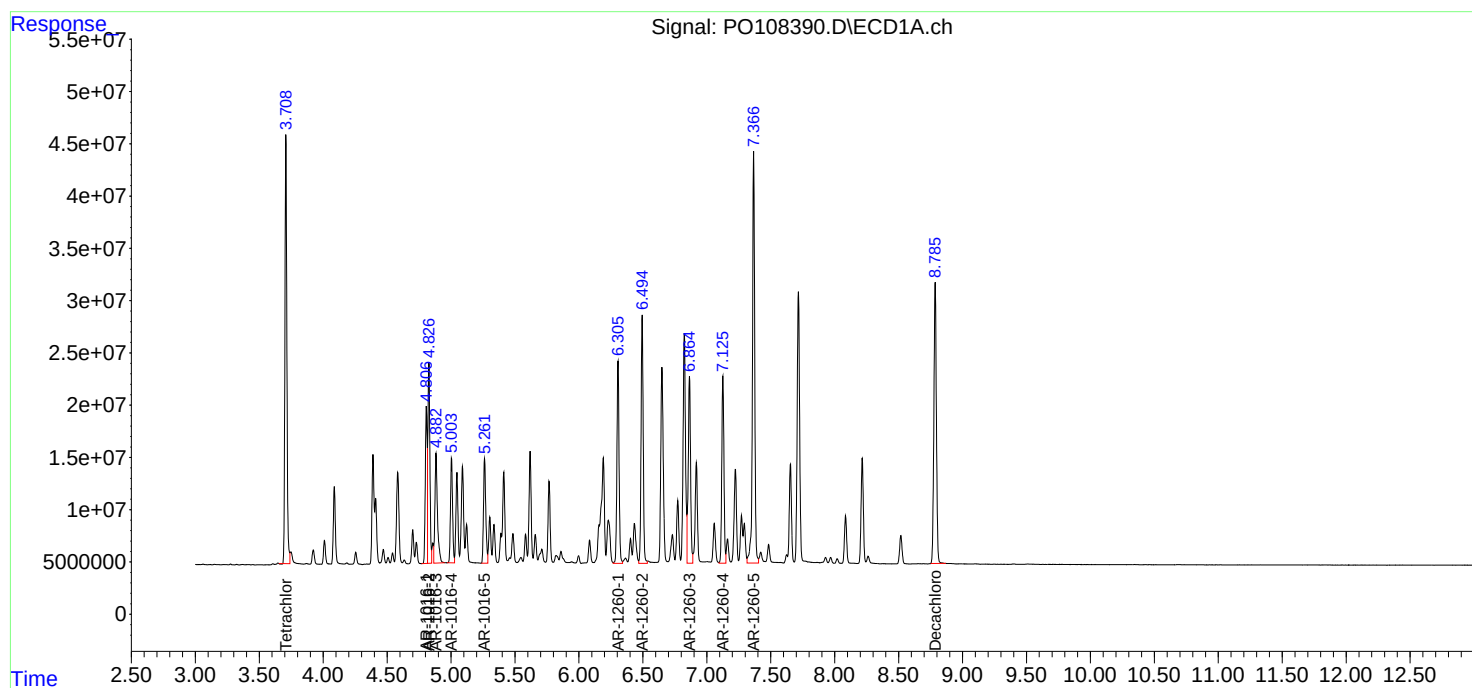
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

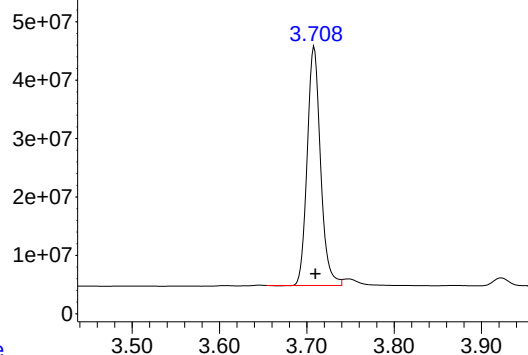
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 02:30:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 02:28:22 2024
Response via : Initial Calibration
Integrator: ChemStation

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

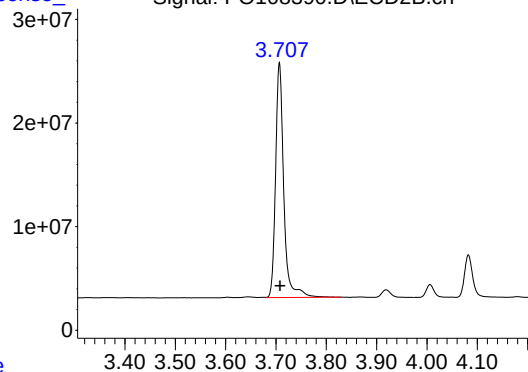


R.T.: 3.708 min
Delta R.T.: -0.002 min
Response: 433499861
Conc: 49.83 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624

Time Response_ Signal: PO108390.D\ECD2B.ch

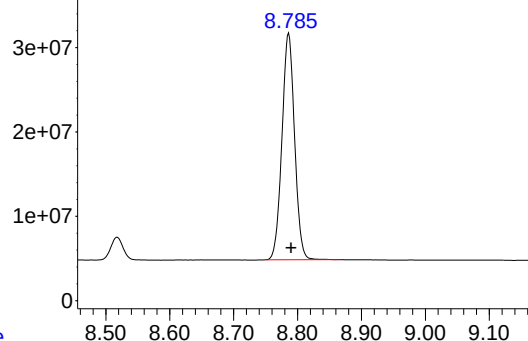
#1 Tetrachloro-m-xylene



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

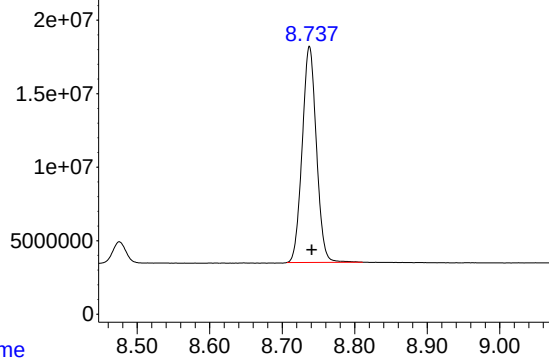
#2 Decachlorobiphenyl



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



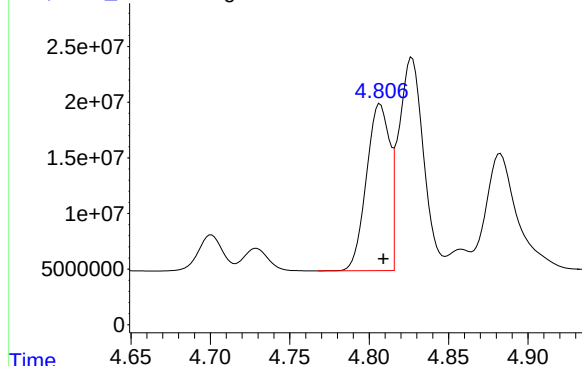
R.T.: 8.738 min
Delta R.T.: -0.003 min
Response: 200042595
Conc: 51.62 ng/ml

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

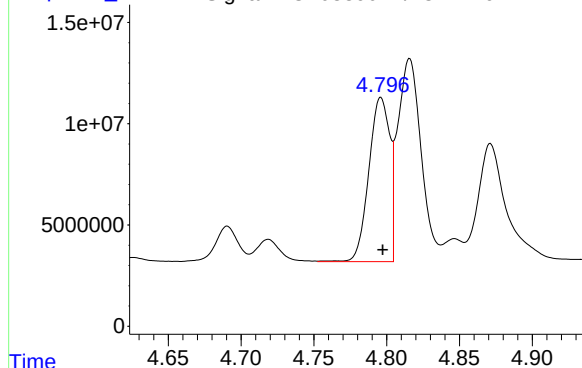
Instrument :
ECD_O
ClientSampleId :
ICVPO120624



Time Response_ Signal: PO108390.D\ECD2B.ch

#3 AR-1016-1

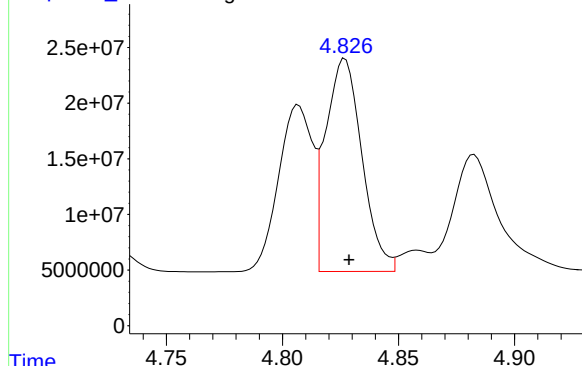
R.T.: 4.796 min
Delta R.T.: -0.001 min
Response: 80878936
Conc: 504.00 ng/ml



Time Response_ Signal: PO108390.D\ECD1A.ch

#4 AR-1016-2

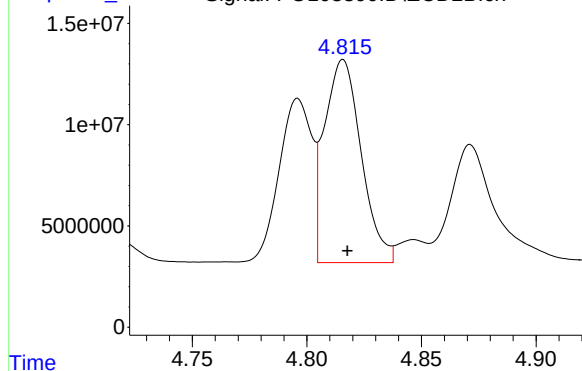
R.T.: 4.827 min
Delta R.T.: -0.002 min
Response: 207847702
Conc: 497.94 ng/ml



Time Response_ Signal: PO108390.D\ECD2B.ch

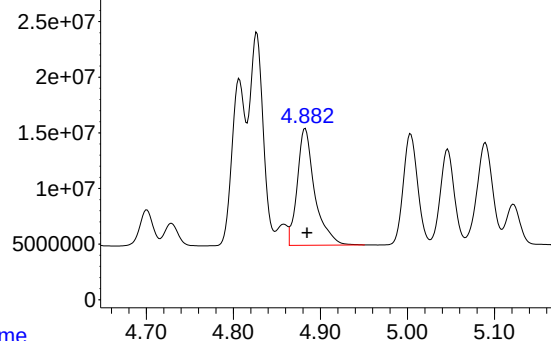
#4 AR-1016-2

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

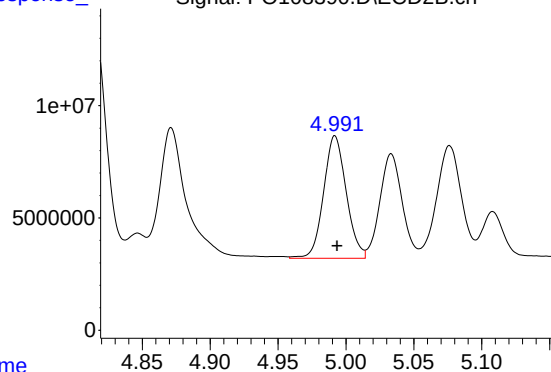


R.T.: 4.883 min
Delta R.T.: -0.002 min
Response: 146292482
Conc: 499.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624

Time Response_ Signal: PO108390.D\ECD2B.ch

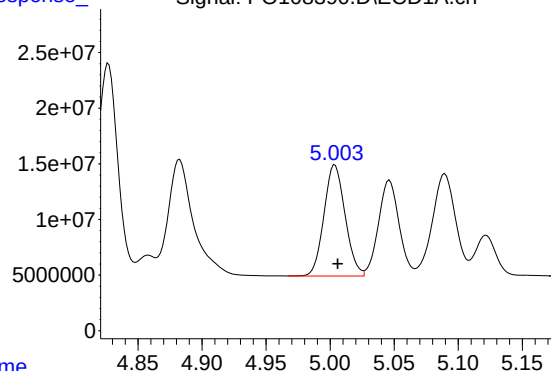
#5 AR-1016-3



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

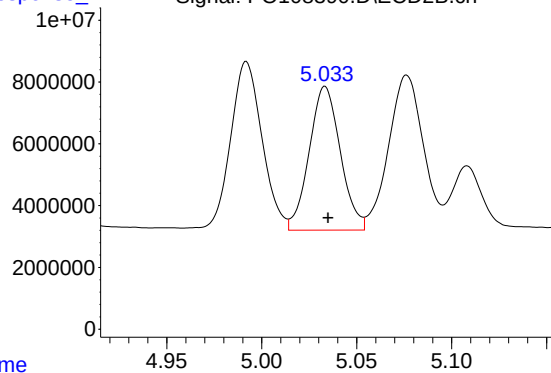
#6 AR-1016-4



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

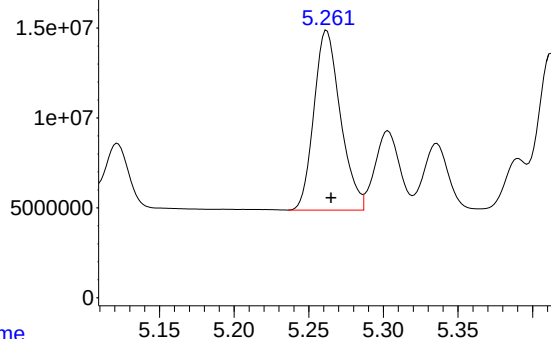


R.T.: 5.033 min
Delta R.T.: -0.001 min
Response: 53092959
Conc: 506.58 ng/ml

Response_

Signal: PO108390.D\ECD1A.ch

#7 AR-1016-5



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

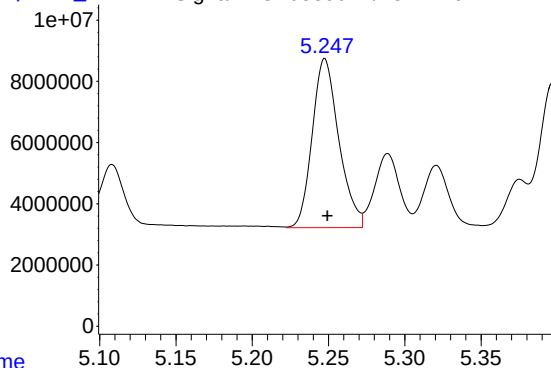
Instrument :
ECD_O
ClientSampleId :
ICVPO120624

Time

Response_

Signal: PO108390.D\ECD2B.ch

#7 AR-1016-5



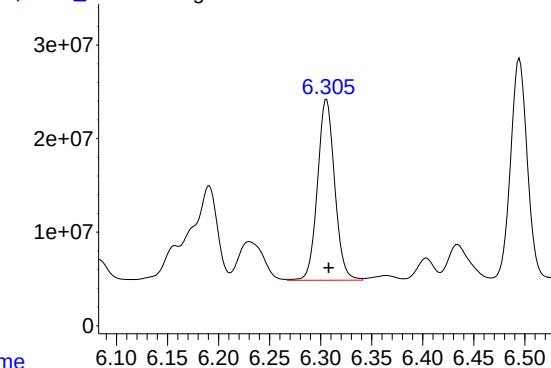
R.T.: 5.248 min
Delta R.T.: -0.002 min
Response: 67028787
Conc: 495.73 ng/ml

Time

Response_

Signal: PO108390.D\ECD1A.ch

#31 AR-1260-1



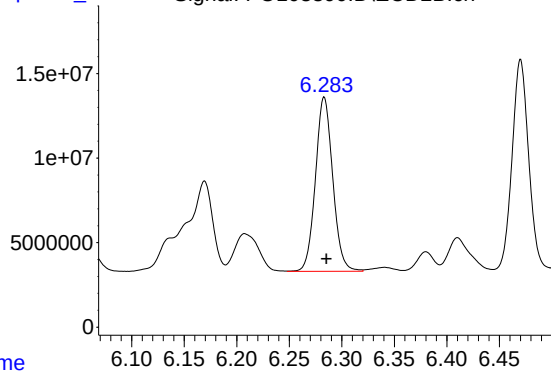
R.T.: 6.306 min
Delta R.T.: -0.002 min
Response: 226430405
Conc: 495.31 ng/ml

Time

Response_

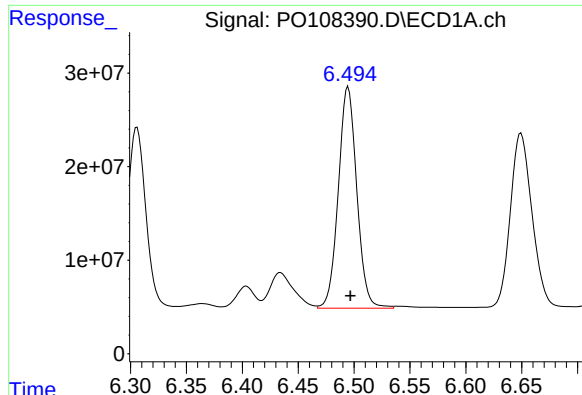
Signal: PO108390.D\ECD2B.ch

#31 AR-1260-1



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

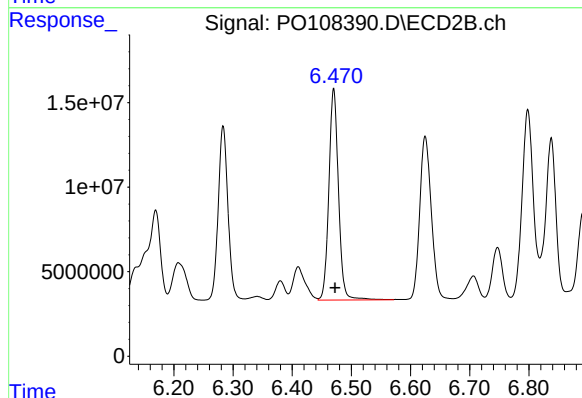
Time



#32 AR-1260-2

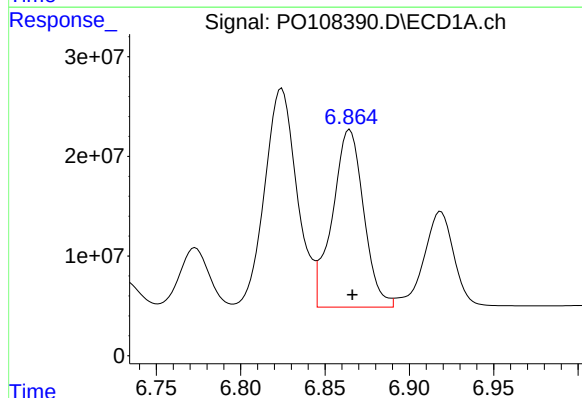
R.T.: 6.495 min
Delta R.T.: -0.002 min
Response: 272528683
Conc: 490.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624



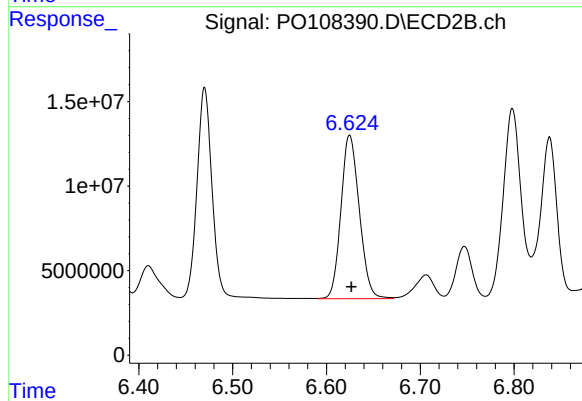
#32 AR-1260-2

R.T.: 6.470 min
Delta R.T.: -0.002 min
Response: 140989156
Conc: 502.51 ng/ml



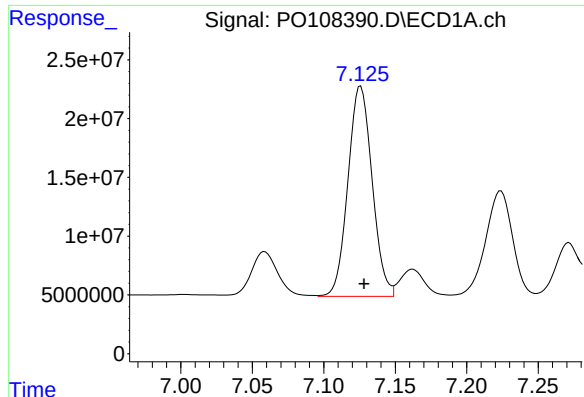
#33 AR-1260-3

R.T.: 6.865 min
Delta R.T.: -0.002 min
Response: 230085866
Conc: 496.22 ng/ml



#33 AR-1260-3

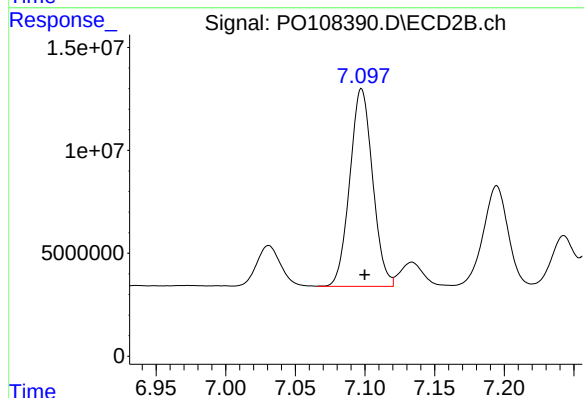
R.T.: 6.625 min
Delta R.T.: -0.002 min
Response: 131456637
Conc: 498.76 ng/ml



#34 AR-1260-4

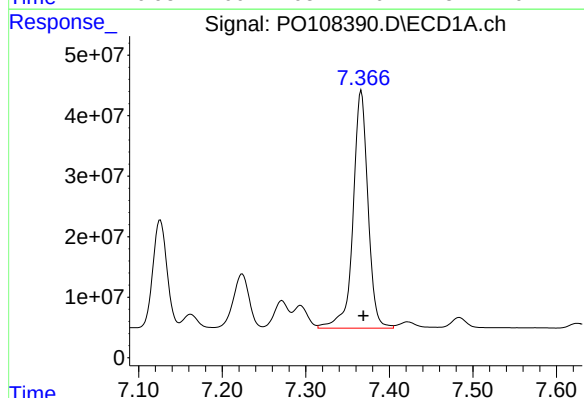
R.T.: 7.126 min
Delta R.T.: -0.002 min
Response: 210294598
Conc: 494.41 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624



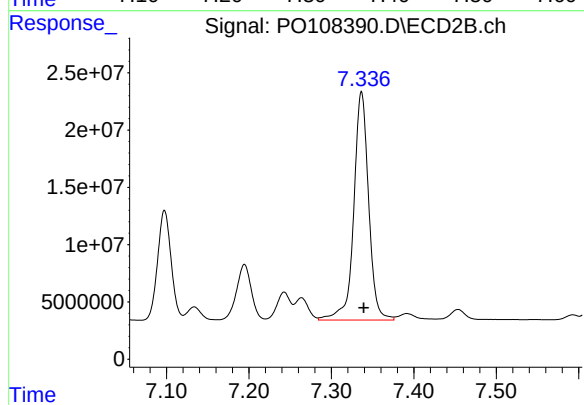
#34 AR-1260-4

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

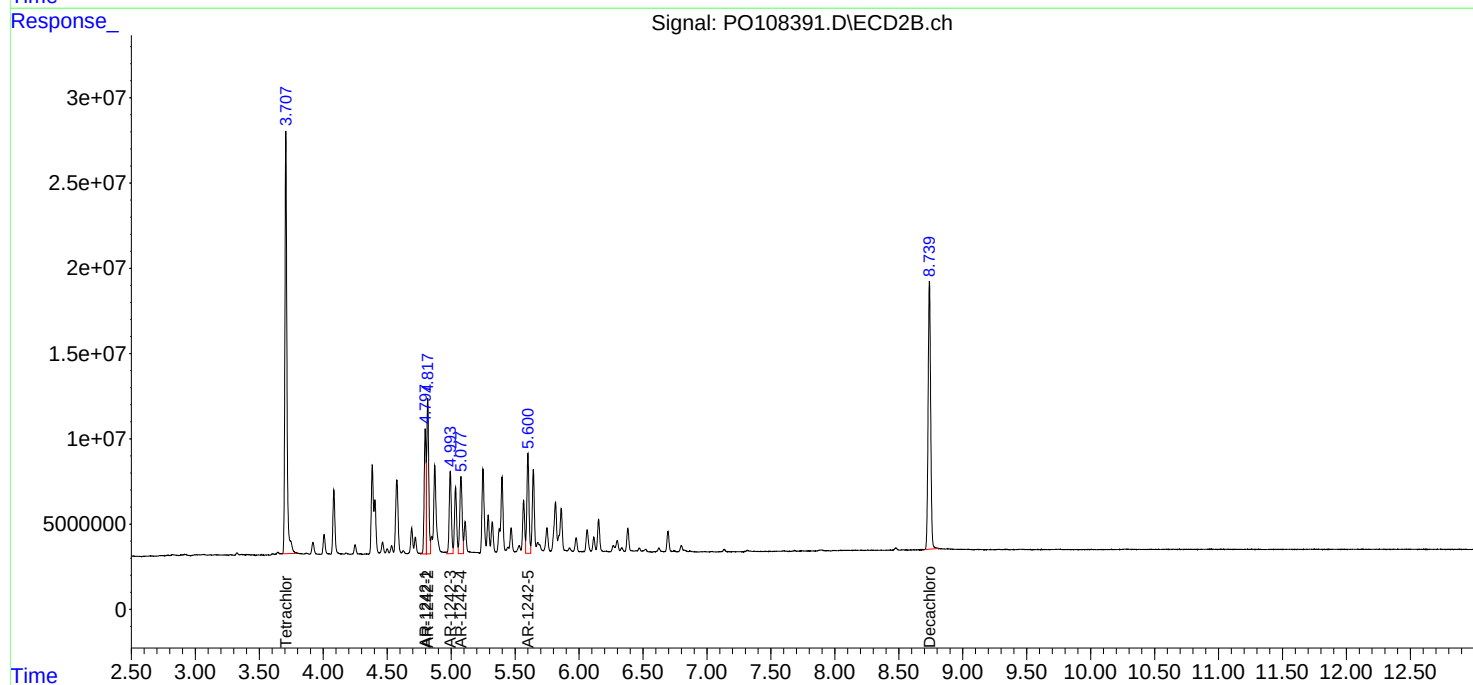
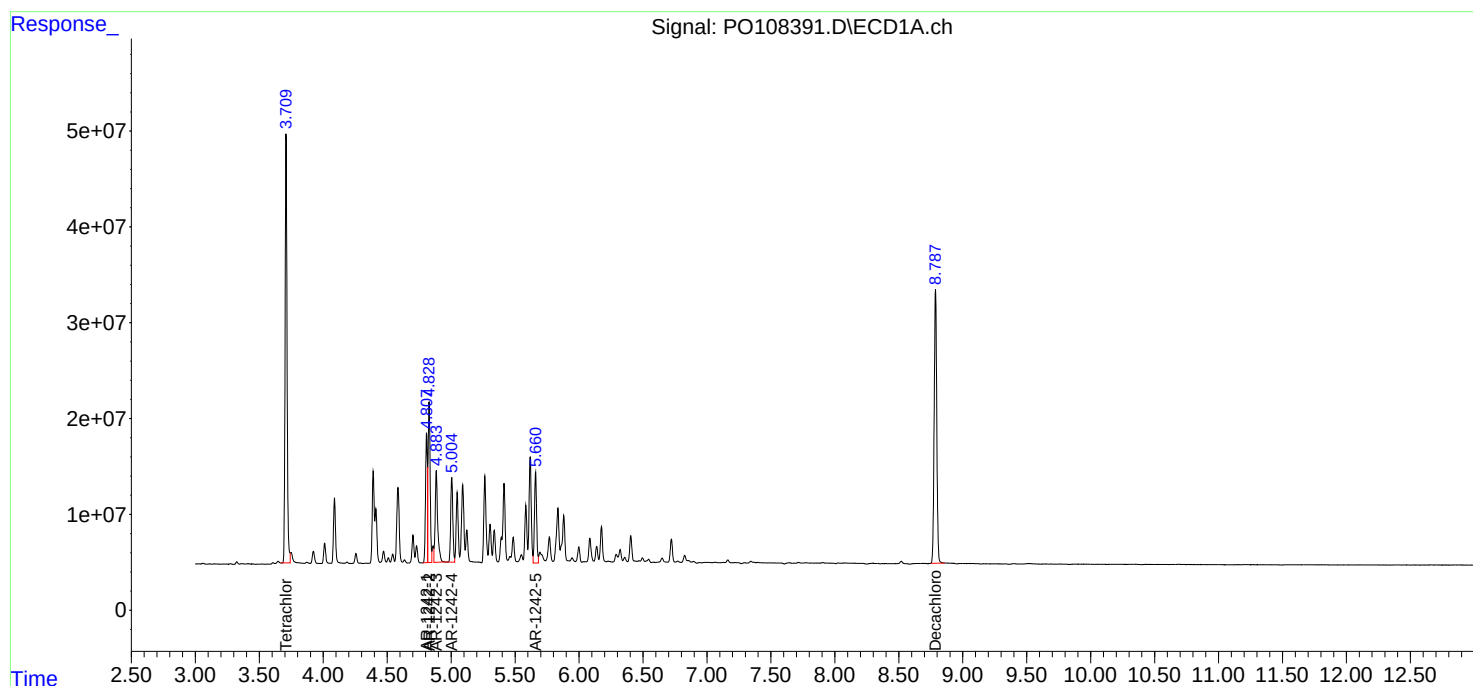
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

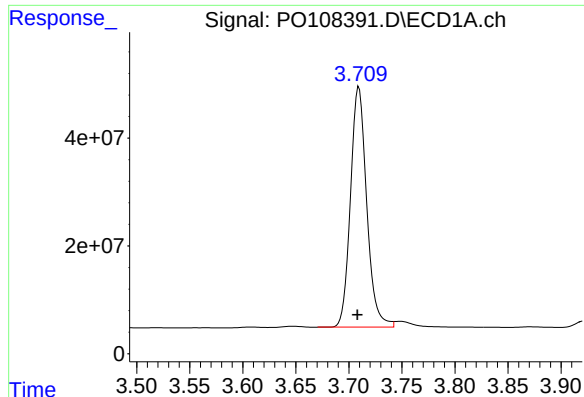
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108391.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 23:11
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

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

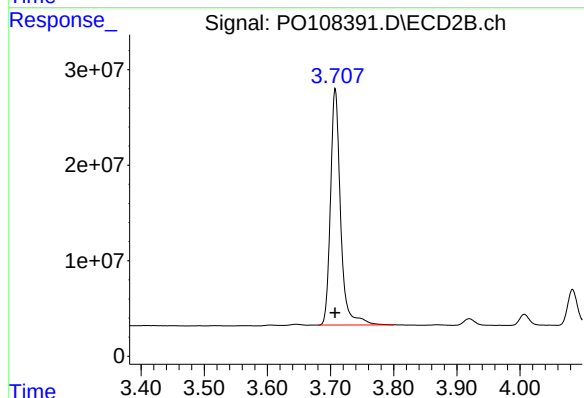




#1 Tetrachloro-m-xylene

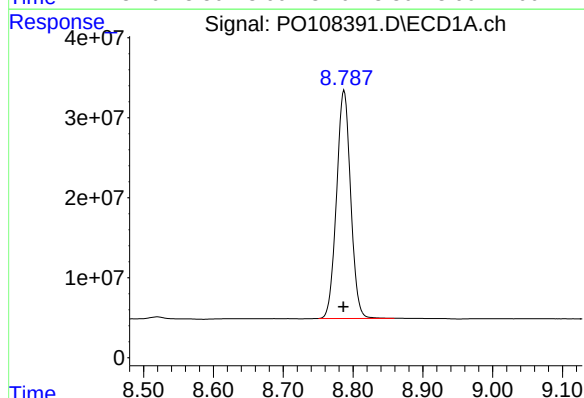
R.T.: 3.709 min
Delta R.T.: 0.001 min
Response: 473179527
Conc: 54.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1242



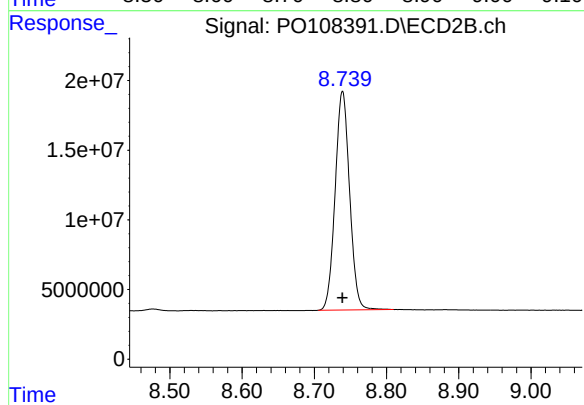
#1 Tetrachloro-m-xylene

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



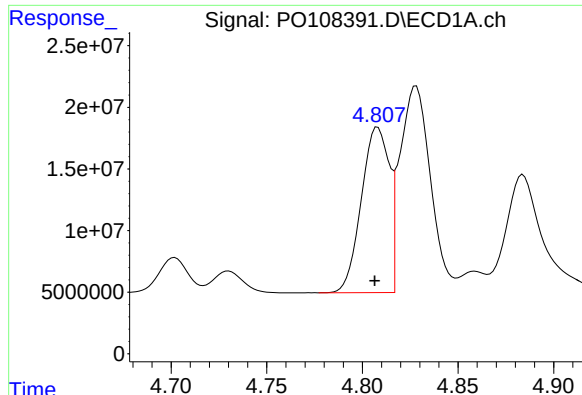
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

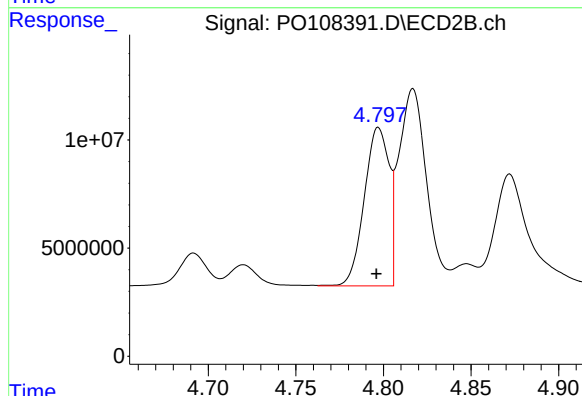
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 218282466
Conc: 55.19 ng/ml



#16 AR-1242-1

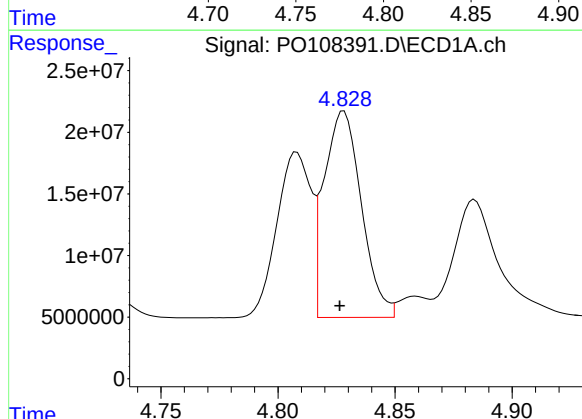
R.T.: 4.808 min
Delta R.T.: 0.002 min
Response: 136158117
Conc: 529.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1242



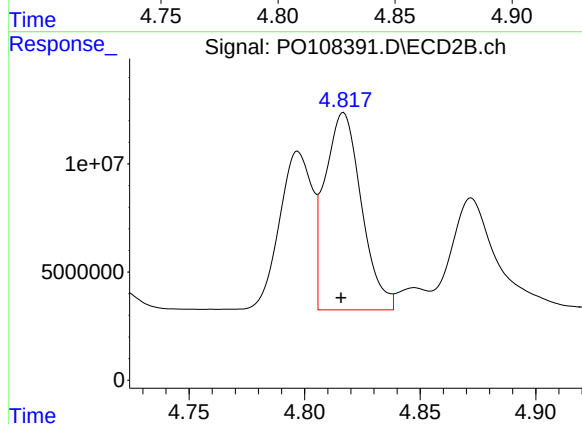
#16 AR-1242-1

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



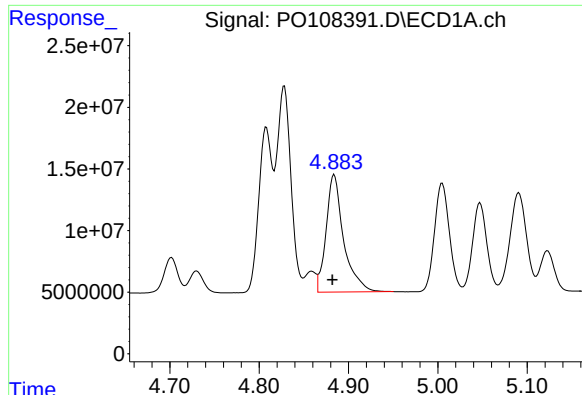
#17 AR-1242-2

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



#17 AR-1242-2

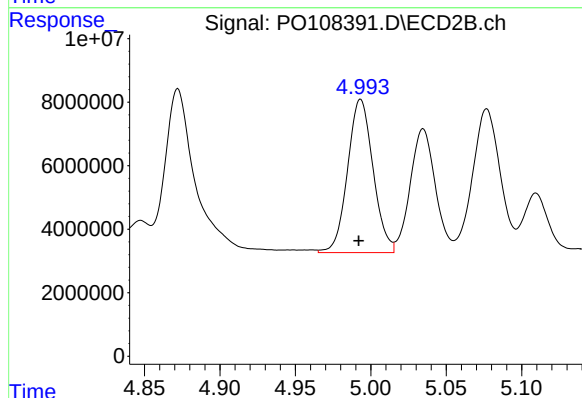
R.T.: 4.817 min
Delta R.T.: 0.001 min
Response: 100037427
Conc: 539.41 ng/ml



#18 AR-1242-3

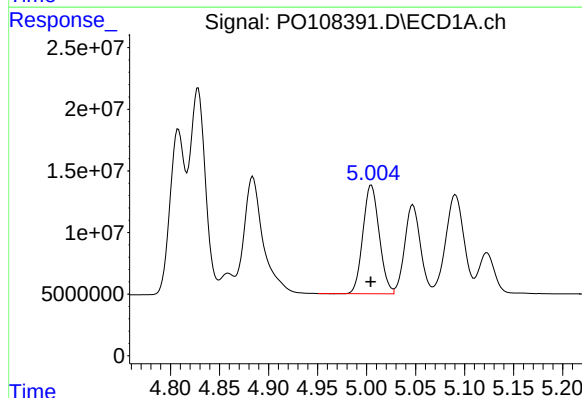
R.T.: 4.884 min
Delta R.T.: 0.002 min
Response: 129986172
Conc: 538.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1242



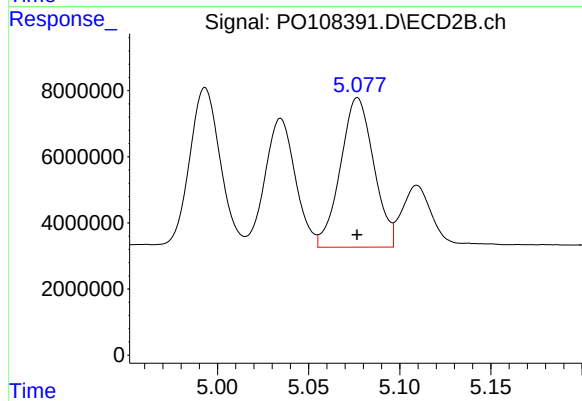
#18 AR-1242-3

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

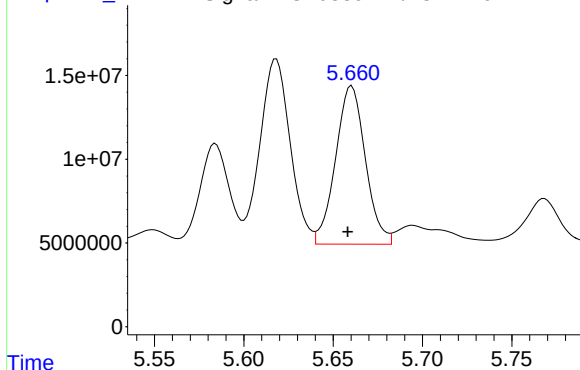
R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 57541113
Conc: 536.12 ng/ml

Response_

Signal: PO108391.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 5.660 min
Delta R.T.: 0.002 min
Response: 109744365
Conc: 528.45 ng/ml

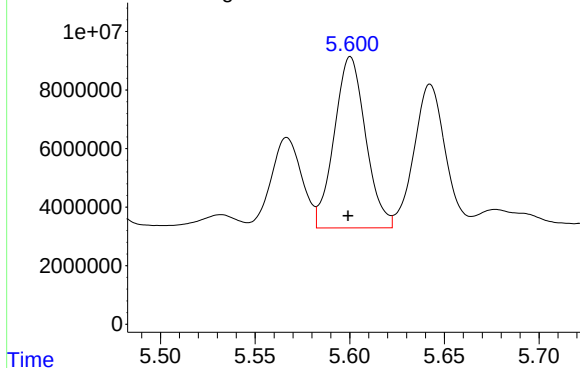
Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1242

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

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

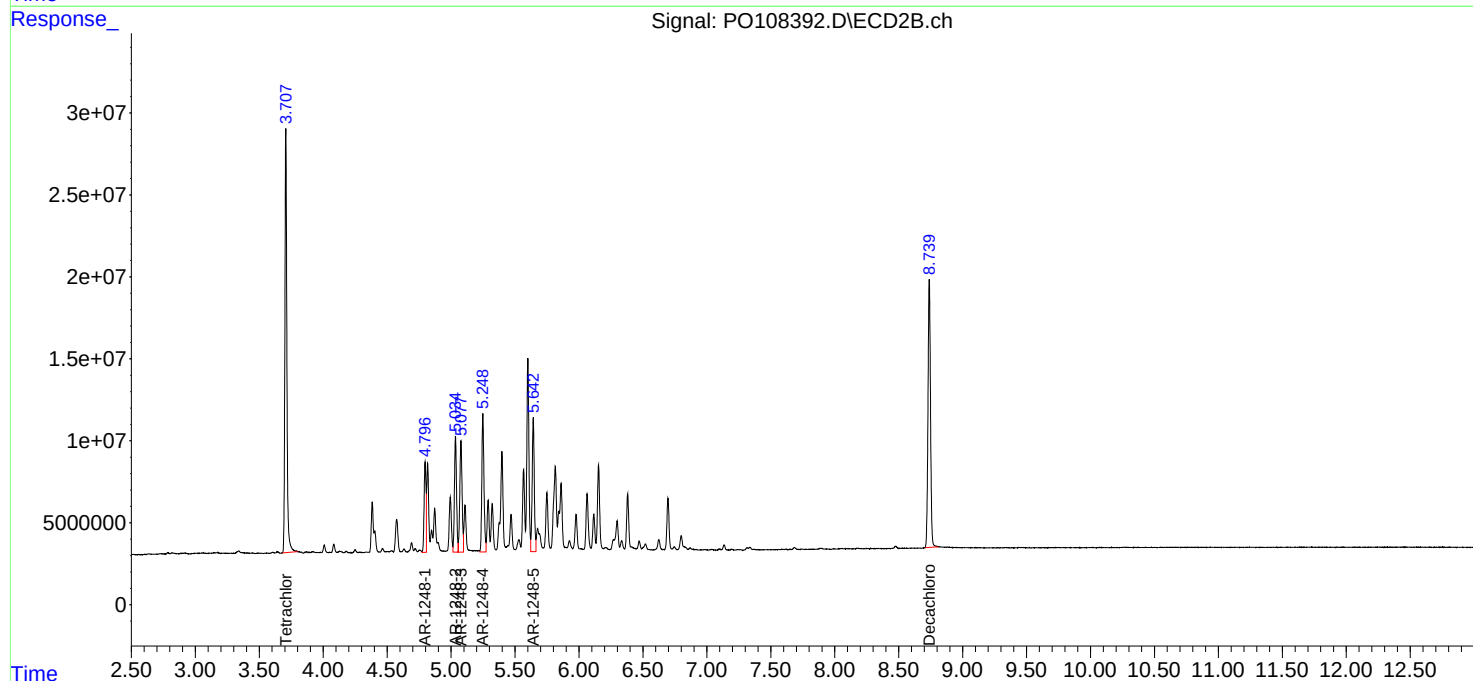
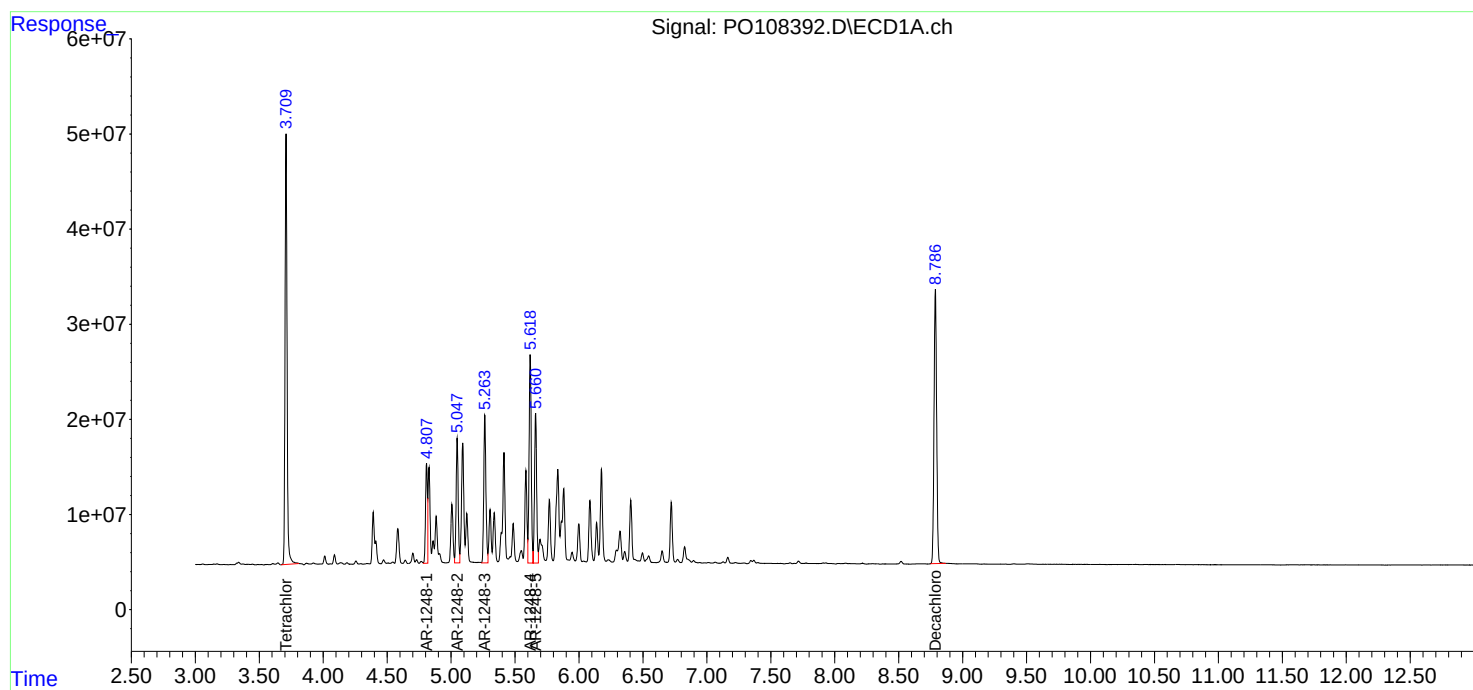
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

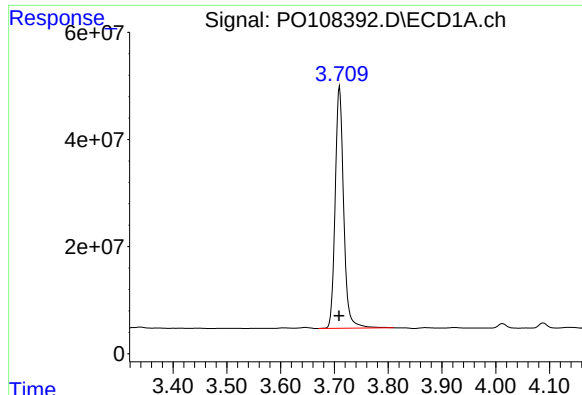
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108392.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 23:29
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

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

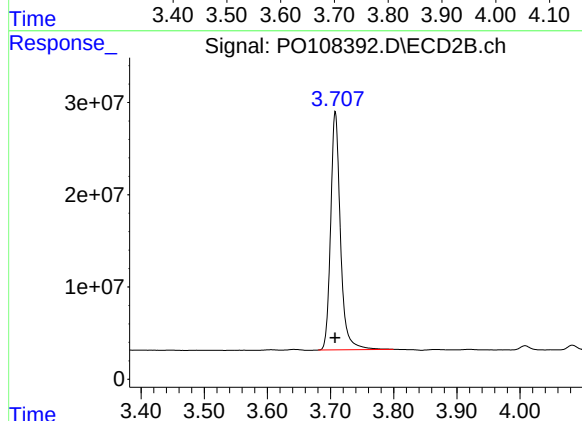




#1 Tetrachloro-m-xylene

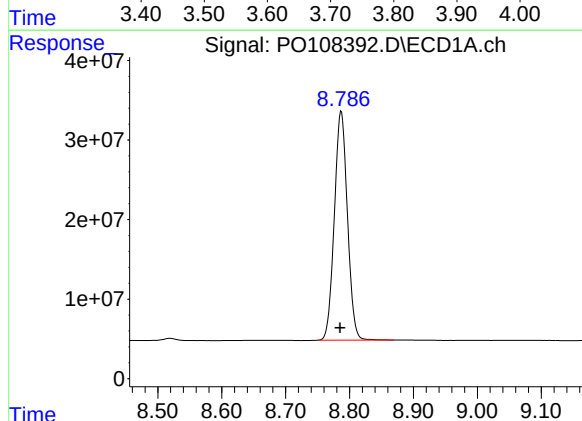
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 494793800
Conc: 54.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1248



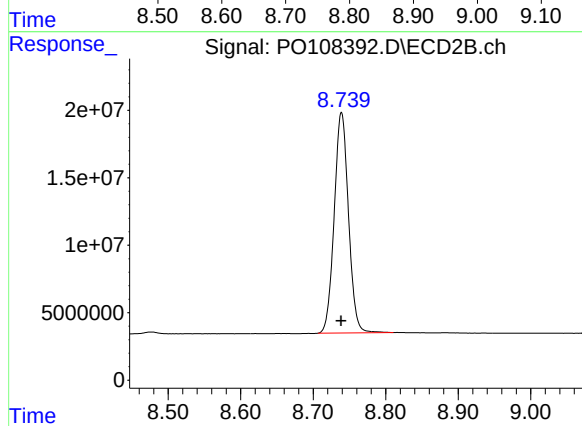
#1 Tetrachloro-m-xylene

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



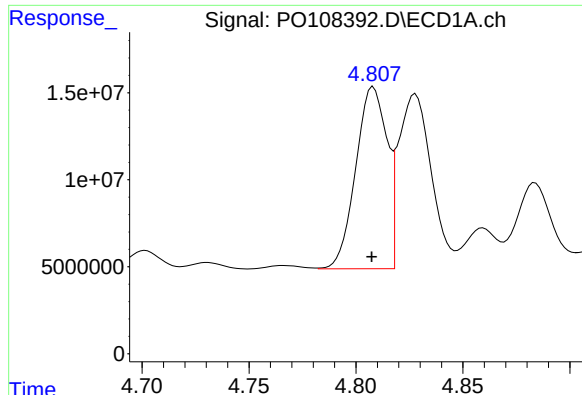
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

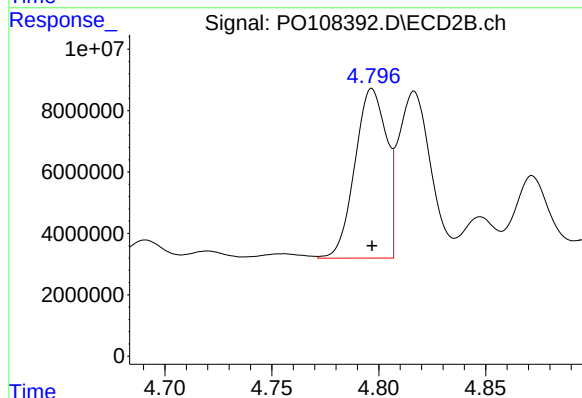
R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 223253253
Conc: 54.00 ng/ml



#21 AR-1248-1

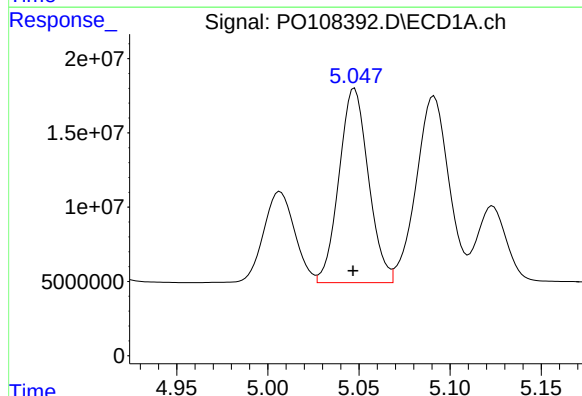
R.T.: 4.808 min
Delta R.T.: 0.000 min
Response: 106402805
Conc: 531.29 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1248



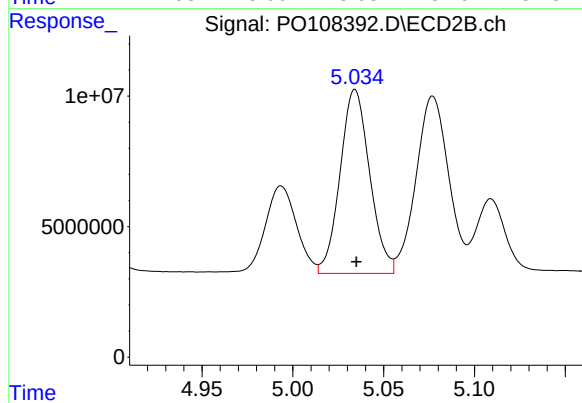
#21 AR-1248-1

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



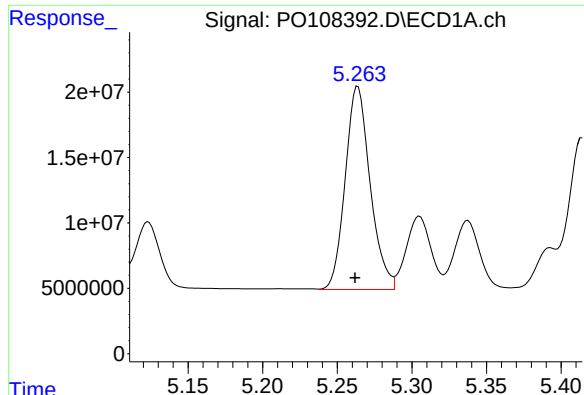
#22 AR-1248-2

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



#22 AR-1248-2

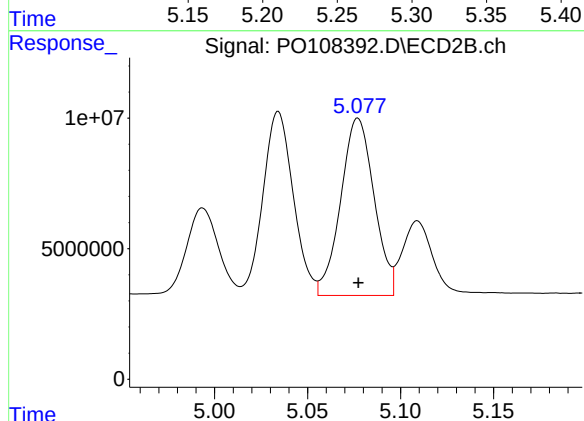
R.T.: 5.034 min
Delta R.T.: 0.000 min
Response: 80058605
Conc: 536.13 ng/ml



#23 AR-1248-3

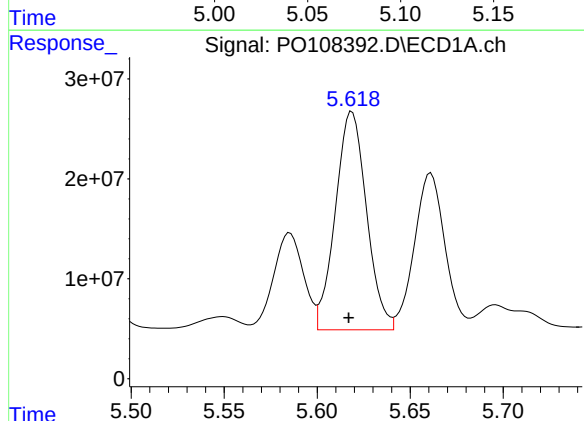
R.T.: 5.264 min
Delta R.T.: 0.002 min
Response: 180358449
Conc: 528.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1248



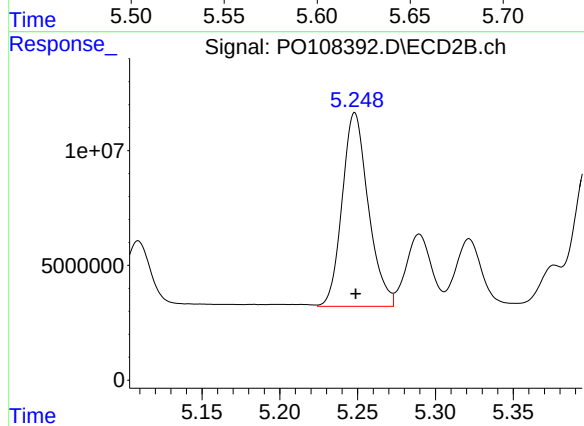
#23 AR-1248-3

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



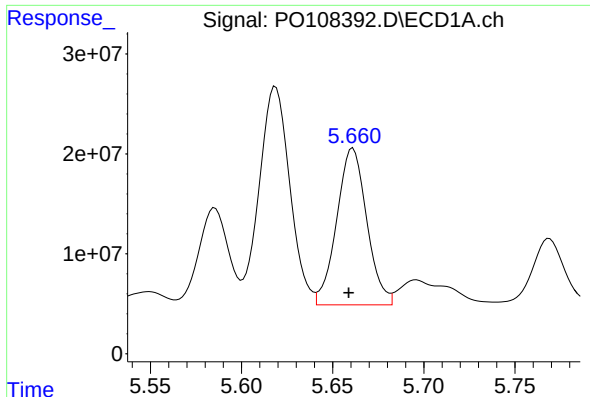
#24 AR-1248-4

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



#24 AR-1248-4

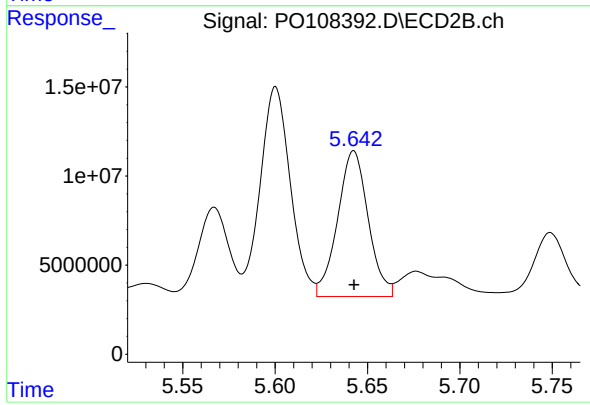
R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 98531455
Conc: 539.75 ng/ml



#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_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 0.50µ 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

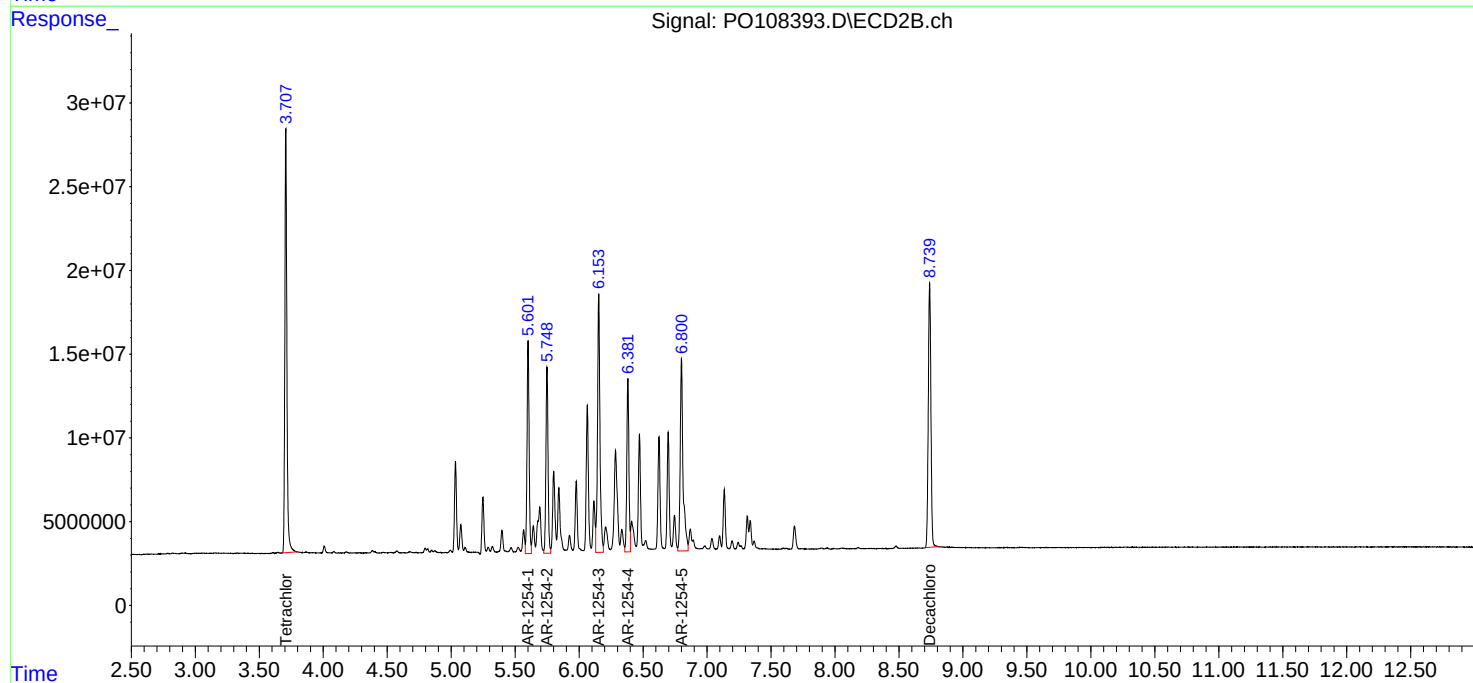
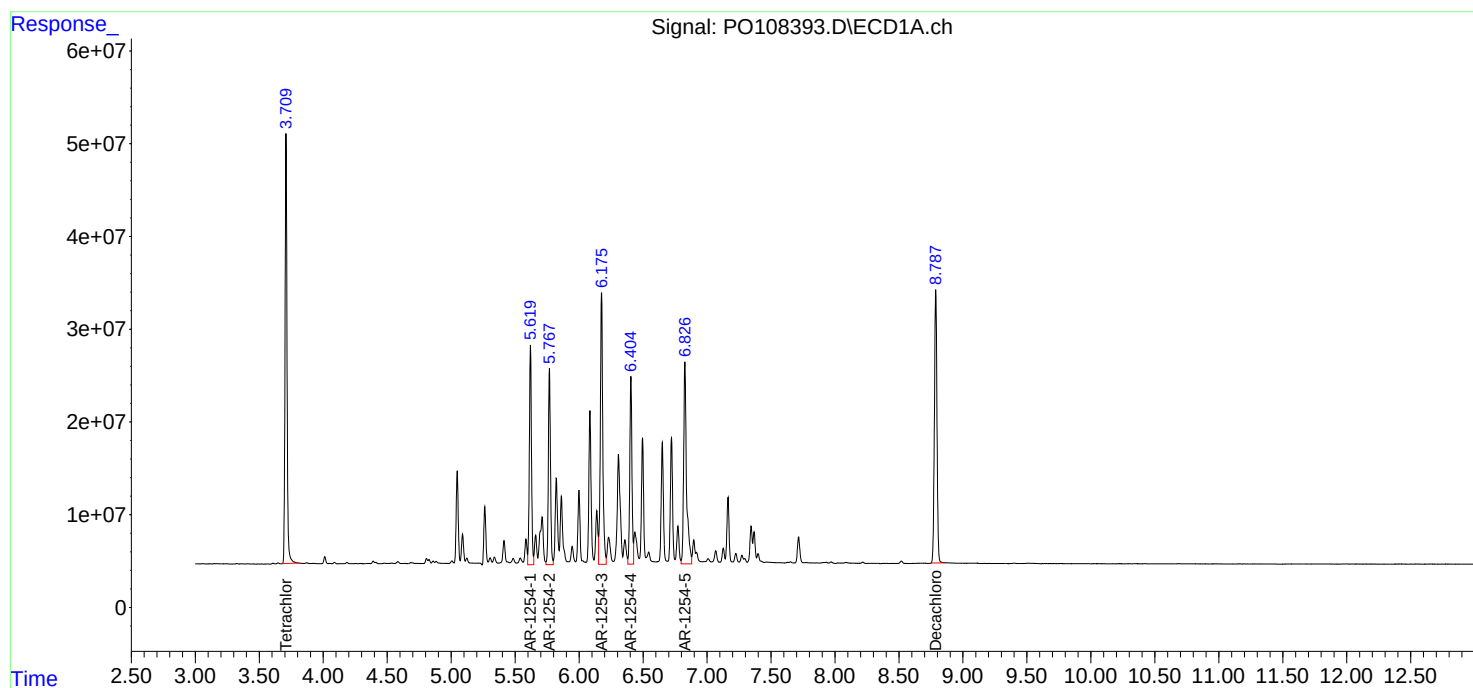
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

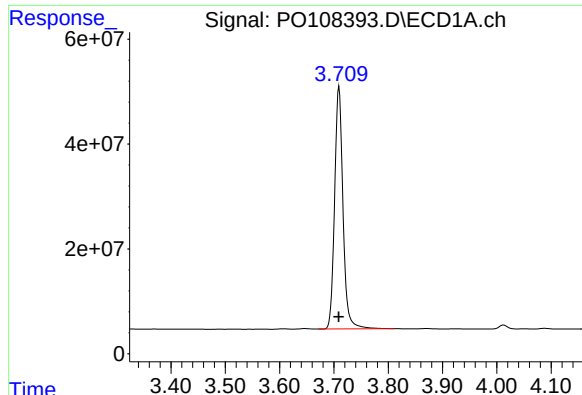
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 23:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

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

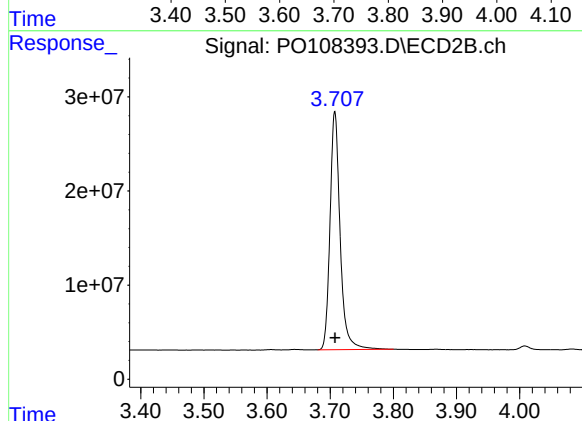




#1 Tetrachloro-m-xylene

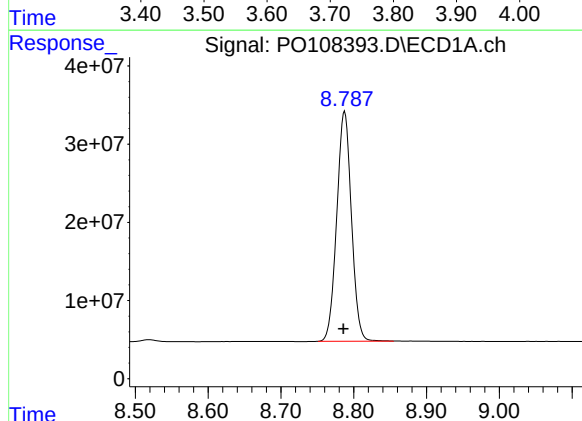
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 496582945
Conc: 54.08 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1254



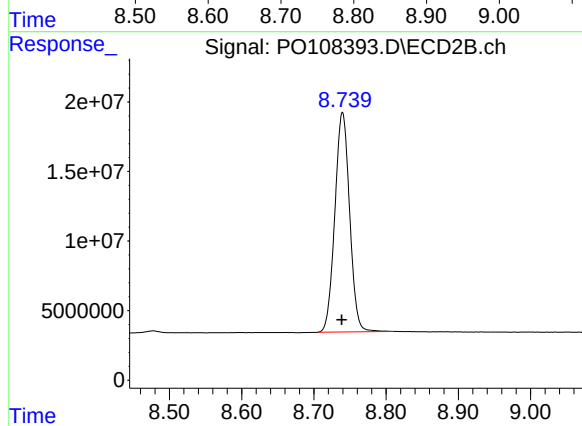
#1 Tetrachloro-m-xylene

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

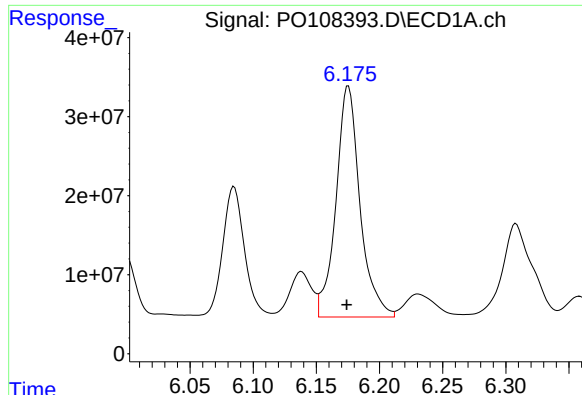
Time

Response_

Signal: PO108393.D\ECD2B.ch

#27 AR-1254-2

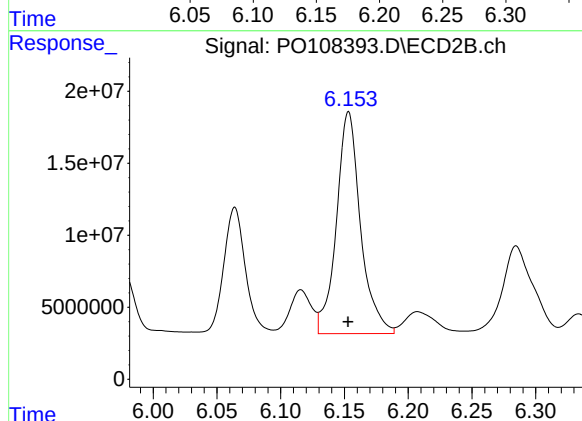
R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 127765050
Conc: 532.31 ng/ml



#28 AR-1254-3

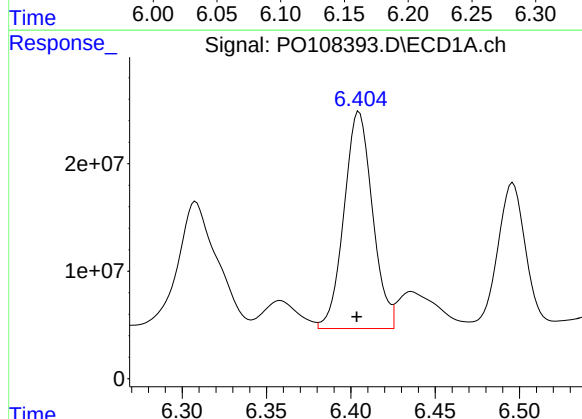
R.T.: 6.175 min
Delta R.T.: 0.001 min
Response: 387538706
Conc: 538.15 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1254



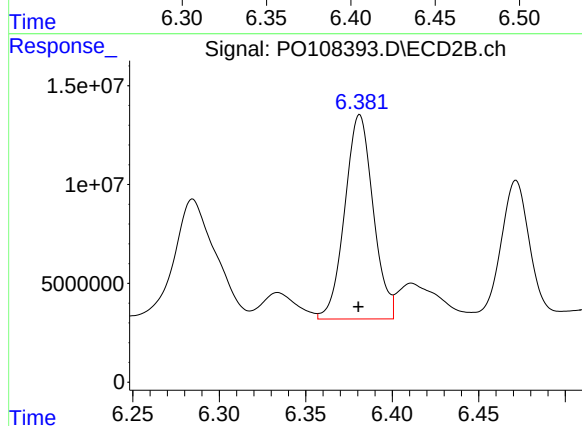
#28 AR-1254-3

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



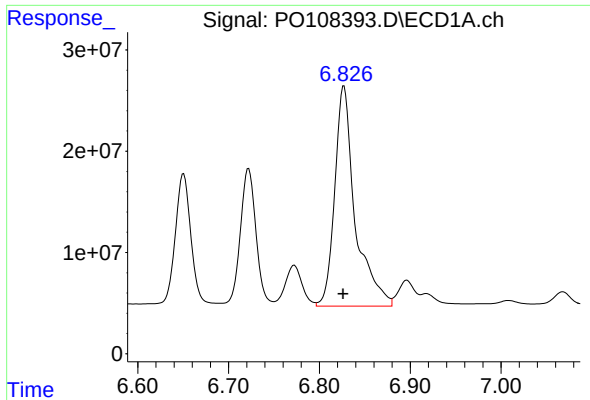
#29 AR-1254-4

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



#29 AR-1254-4

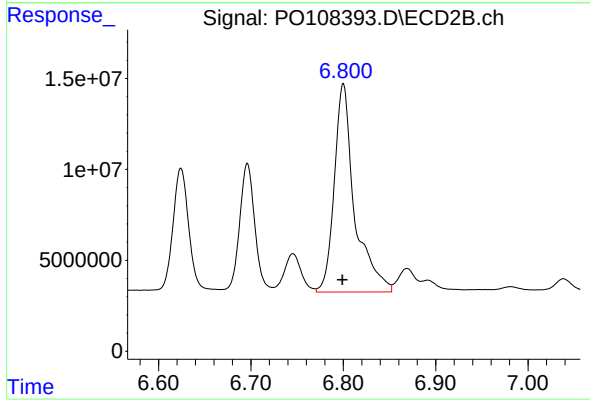
R.T.: 6.381 min
Delta R.T.: 0.000 min
Response: 117839788
Conc: 541.35 ng/ml



#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

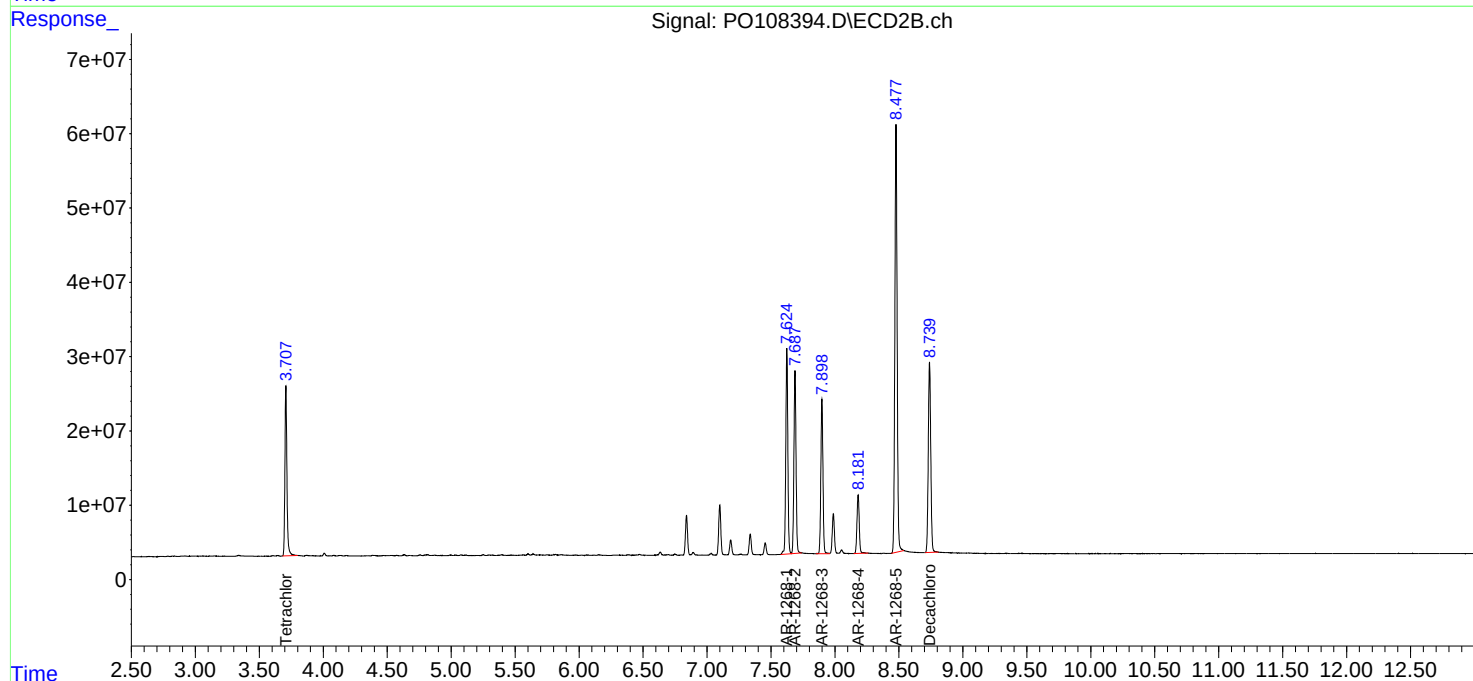
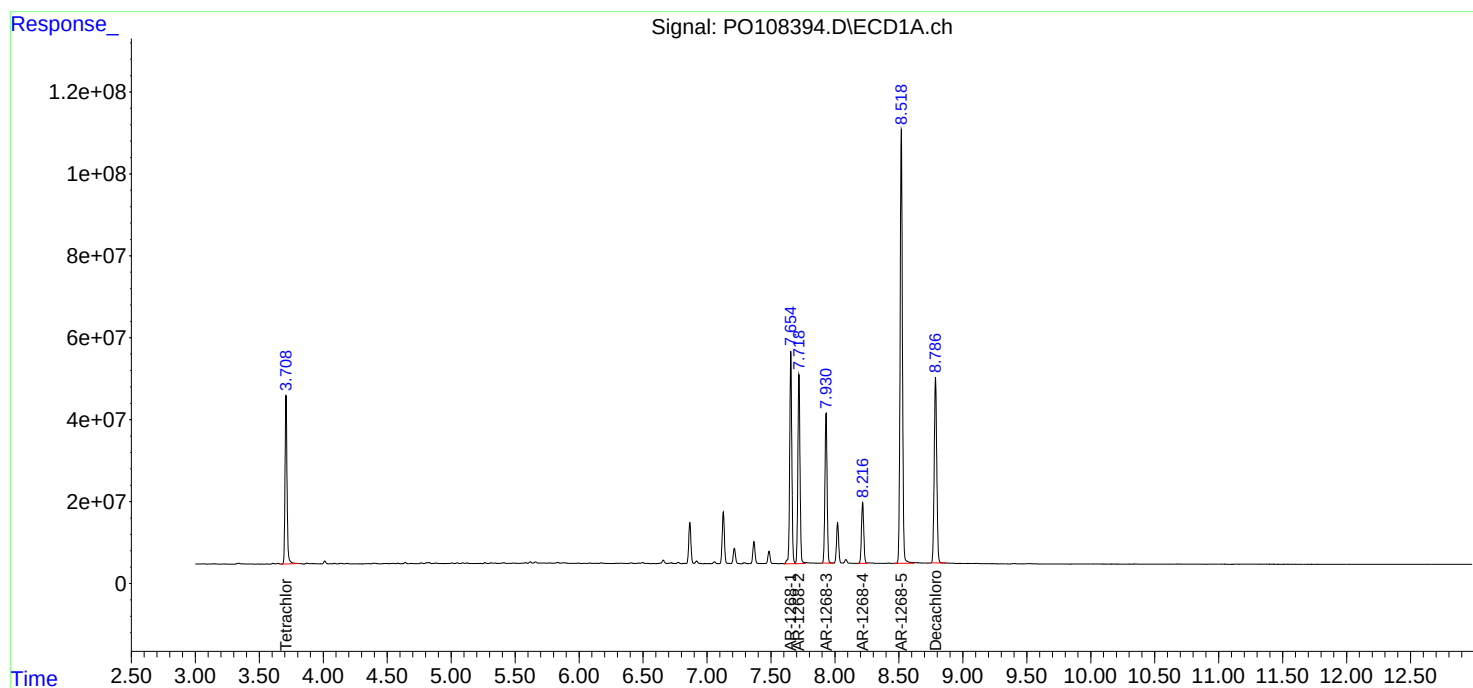
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

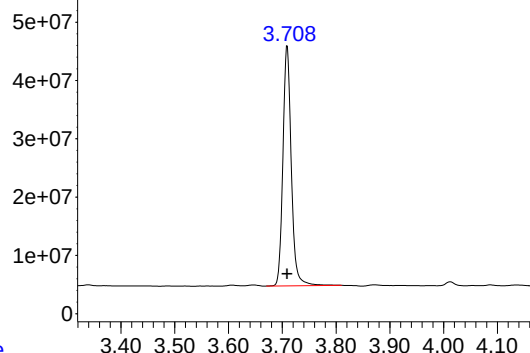
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 07 05:47:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:46:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PO108394.D\ECD1A.ch

#1 Tetrachloro-m-xylene

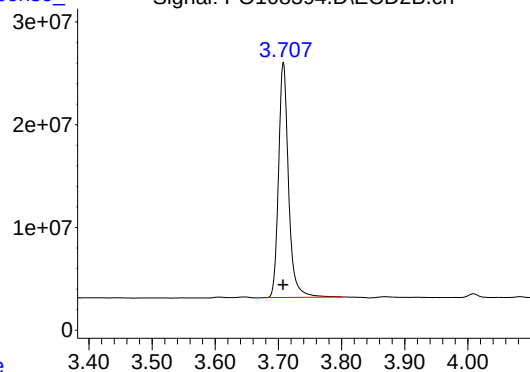


R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 445948165
Conc: 48.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268

Time Response_ Signal: PO108394.D\ECD2B.ch

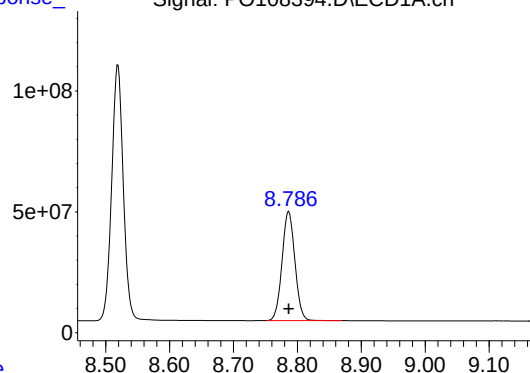
#1 Tetrachloro-m-xylene



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

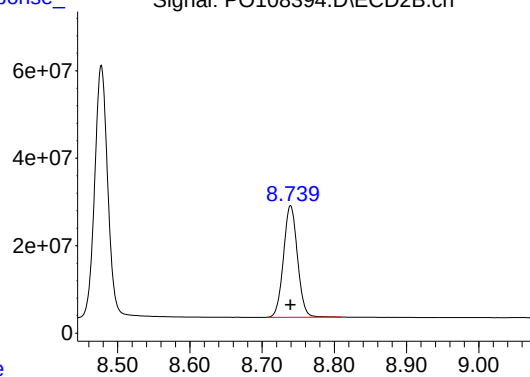
#2 Decachlorobiphenyl



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

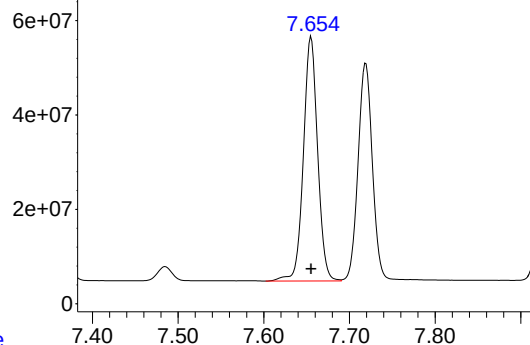


R.T.: 8.739 min
Delta R.T.: 0.000 min
Response: 343554515
Conc: 47.82 ng/ml

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

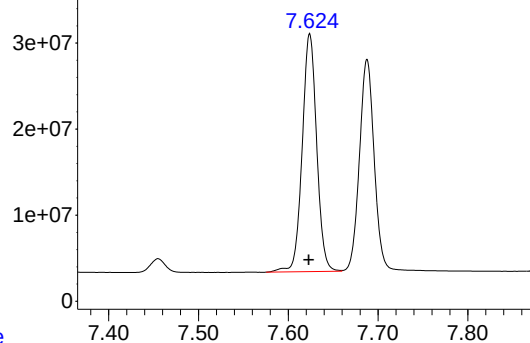
Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268

Time

Response_

Signal: PO108394.D\ECD2B.ch

#41 AR-1268-1



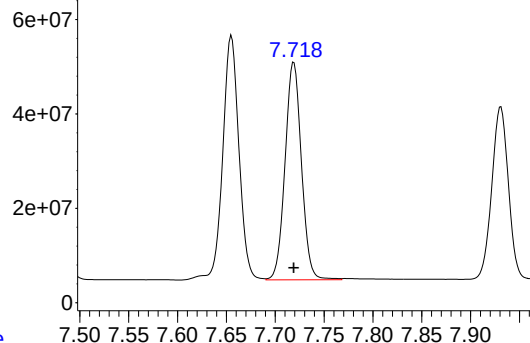
R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 310034932
Conc: 479.99 ng/ml

Time

Response_

Signal: PO108394.D\ECD1A.ch

#42 AR-1268-2



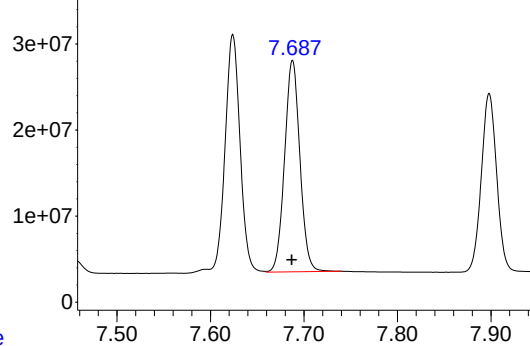
R.T.: 7.719 min
Delta R.T.: 0.000 min
Response: 536870958
Conc: 478.64 ng/ml

Time

Response_

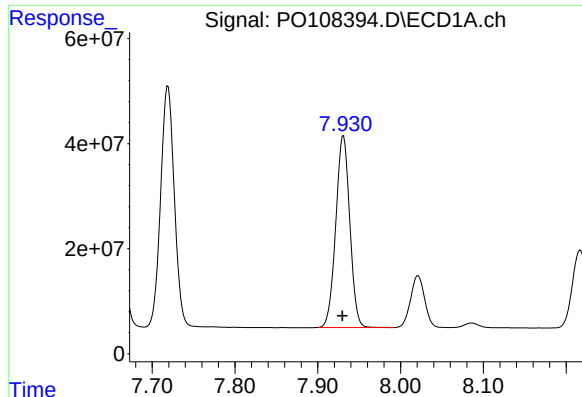
Signal: PO108394.D\ECD2B.ch

#42 AR-1268-2



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

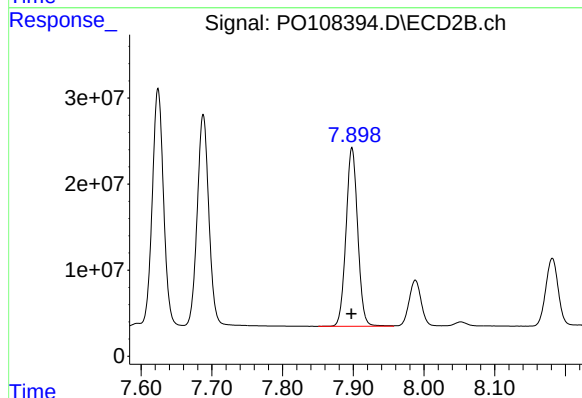
Time



#43 AR-1268-3

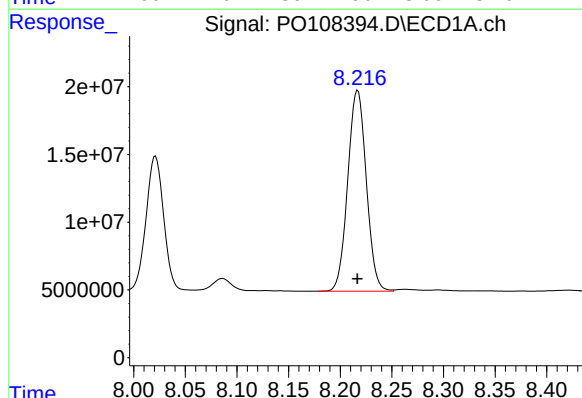
R.T.: 7.931 min
Delta R.T.: 0.001 min
Response: 429858567
Conc: 474.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268



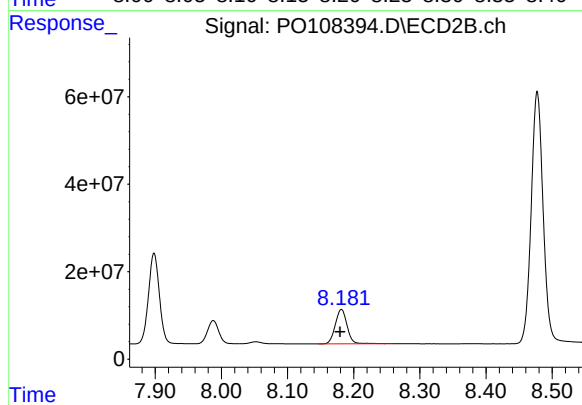
#43 AR-1268-3

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



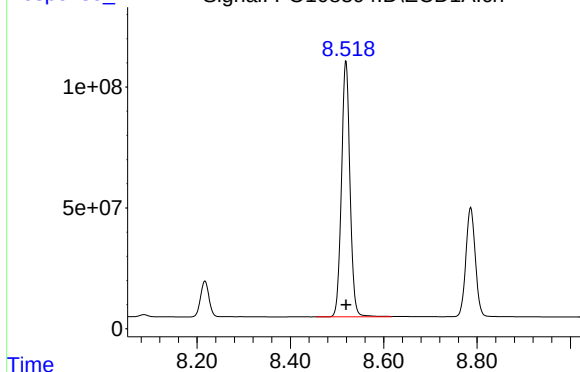
#44 AR-1268-4

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



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

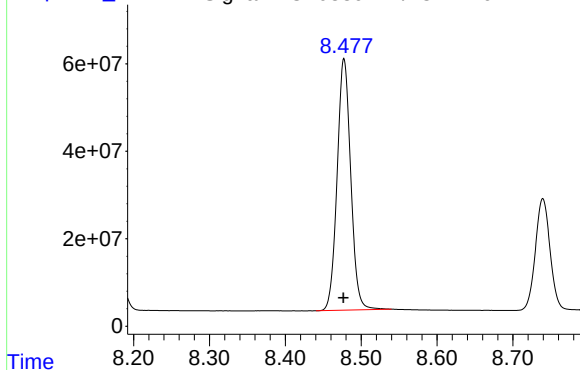
Instrument :
ECD_O
ClientSampleId :
ICVPO120624AR1268

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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Continuing Calib Date: 12/18/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 14:46 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)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.49	6.50	6.40	6.60	0.01
Aroclor-1260-3	(3)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-4	(4)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.71	3.71	3.61	3.81	0.00
Decachlorobiphenyl		8.78	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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Continuing Calib Date: 12/18/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 14:46 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	0.01
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-4	(4)	5.03	5.04	4.94	5.14	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.62	6.63	6.53	6.73	0.01
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.33	7.34	7.24	7.44	0.01
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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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

Client Sample No.: CCAL01 Date Analyzed: 12/18/2024

Lab Sample No.: AR1660CCC500 Data File : PO108620.D Time Analyzed: 14:46

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.802	4.709	4.909	474.580	500.000	-5.1
Aroclor-1016-2	4.822	4.729	4.929	475.440	500.000	-4.9
Aroclor-1016-3	4.878	4.785	4.985	475.580	500.000	-4.9
Aroclor-1016-4	4.999	4.907	5.107	474.750	500.000	-5.1
Aroclor-1016-5	5.257	5.165	5.365	473.130	500.000	-5.4
Aroclor-1260-1	6.300	6.210	6.410	455.930	500.000	-8.8
Aroclor-1260-2	6.489	6.398	6.598	462.940	500.000	-7.4
Aroclor-1260-3	6.859	6.769	6.969	466.590	500.000	-6.7
Aroclor-1260-4	7.119	7.029	7.229	461.520	500.000	-7.7
Aroclor-1260-5	7.360	7.270	7.470	462.190	500.000	-7.6
Decachlorobiphenyl	8.775	8.691	8.891	44.110	50.000	-11.8
Tetrachloro-m-xylene	3.706	3.610	3.810	48.140	50.000	-3.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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

Client Sample No.: CCAL01 Date Analyzed: 12/18/2024

Lab Sample No.: AR1660CCC500 Data File : PO108620.D Time Analyzed: 14:46

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.790	4.698	4.898	530.530	500.000	6.1
Aroclor-1016-2	4.810	4.718	4.918	527.700	500.000	5.5
Aroclor-1016-3	4.986	4.894	5.094	521.780	500.000	4.4
Aroclor-1016-4	5.027	4.935	5.135	514.400	500.000	2.9
Aroclor-1016-5	5.241	5.150	5.350	524.590	500.000	4.9
Aroclor-1260-1	6.276	6.186	6.386	524.770	500.000	5.0
Aroclor-1260-2	6.462	6.373	6.573	525.150	500.000	5.0
Aroclor-1260-3	6.616	6.527	6.727	523.700	500.000	4.7
Aroclor-1260-4	7.089	7.000	7.200	541.420	500.000	8.3
Aroclor-1260-5	7.328	7.239	7.439	546.360	500.000	9.3
Decachlorobiphenyl	8.724	8.641	8.841	50.970	50.000	1.9
Tetrachloro-m-xylene	3.703	3.608	3.808	52.590	50.000	5.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
 Data File : PO108620.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Dec 2024 14:46
 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 19 03:48:11 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...	3.706	3.703	418.8E6	266.6E6	48.142	52.595
2) SA Decachlor...	8.775	8.724	322.2E6	197.5E6	44.112	50.972
Target Compounds						
3) L1 AR-1016-1	4.802	4.790	146.4E6	85136718	474.579	530.532
4) L1 AR-1016-2	4.822	4.810	198.5E6	117.2E6	475.439	527.697
5) L1 AR-1016-3	4.878	4.986	139.2E6	65657444	475.577	521.780
6) L1 AR-1016-4	4.999	5.027	109.8E6	53912562	474.750	514.404
7) L1 AR-1016-5	5.257	5.241	119.1E6	70929856	473.130	524.586
31) L7 AR-1260-1	6.300	6.276	208.4E6	122.8E6	455.927	524.772
32) L7 AR-1260-2	6.489	6.462	257.3E6	147.3E6	462.936	525.152
33) L7 AR-1260-3	6.859	6.616	216.3E6	138.0E6	466.594	523.696
34) L7 AR-1260-4	7.119	7.089	196.3E6	115.2E6	461.518	541.415
35) L7 AR-1260-5	7.360	7.328	449.2E6	264.4E6	462.192	546.357

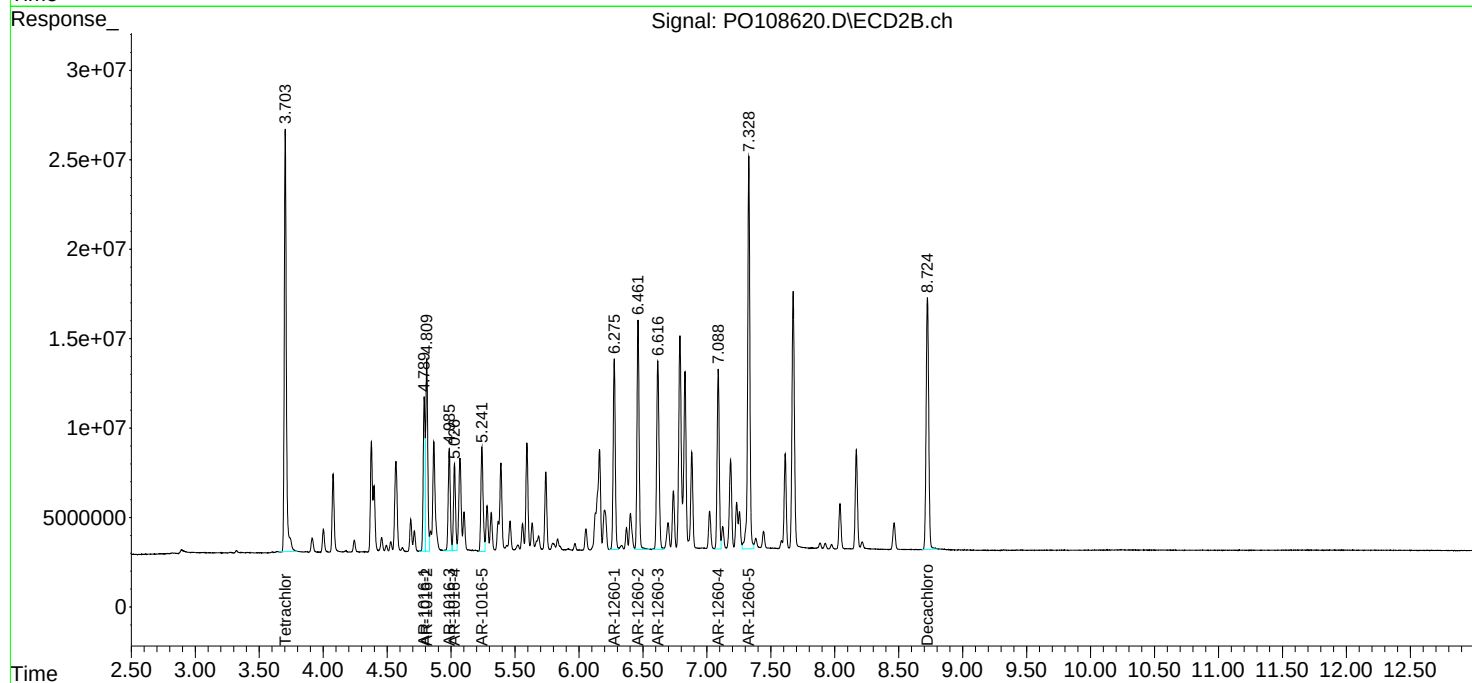
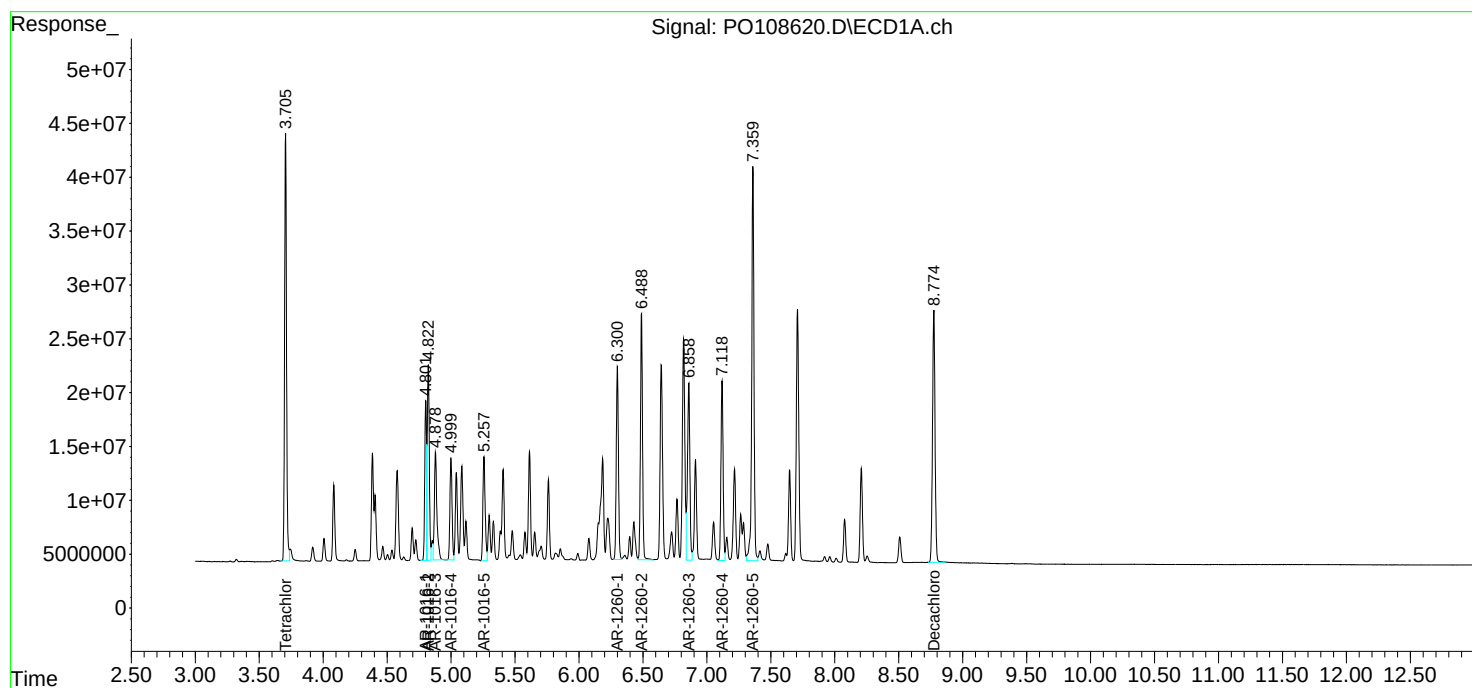
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

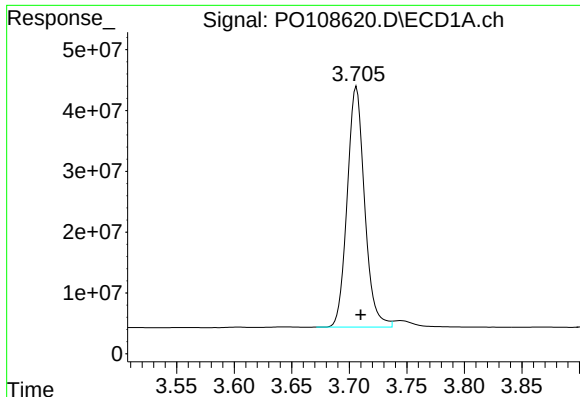
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 14:46
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:48:11 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

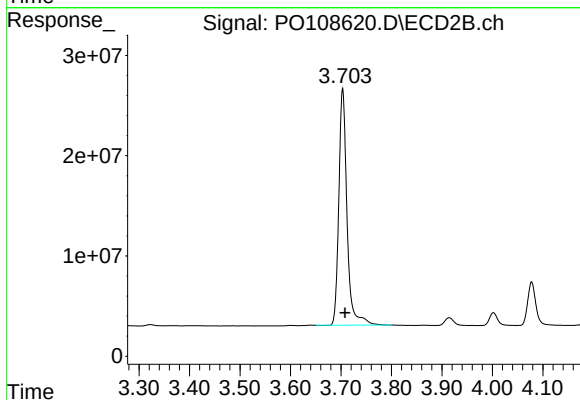




#1 Tetrachloro-m-xylene

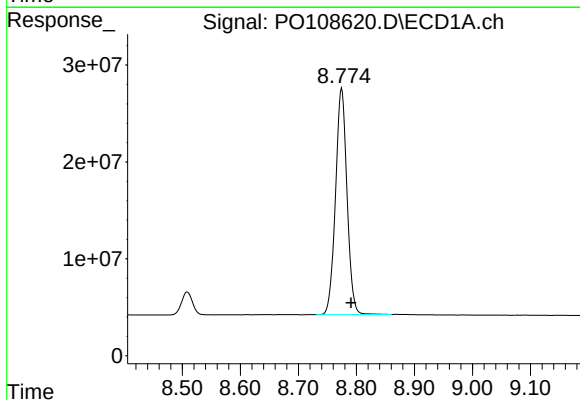
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 418841698
Conc: 48.14 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



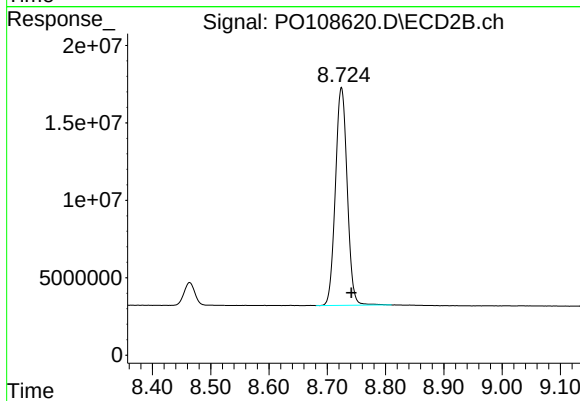
#1 Tetrachloro-m-xylene

R.T.: 3.703 min
Delta R.T.: -0.005 min
Response: 266622360
Conc: 52.59 ng/ml



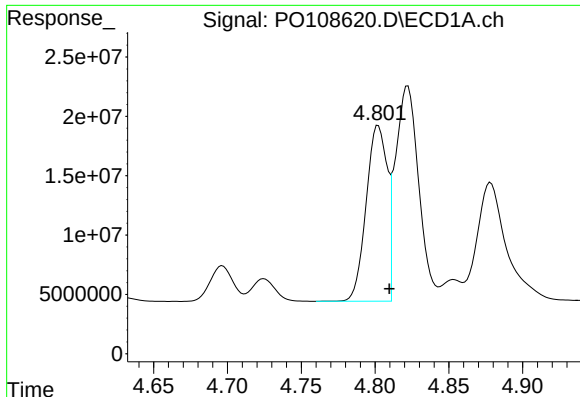
#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 322197354
Conc: 44.11 ng/ml



#2 Decachlorobiphenyl

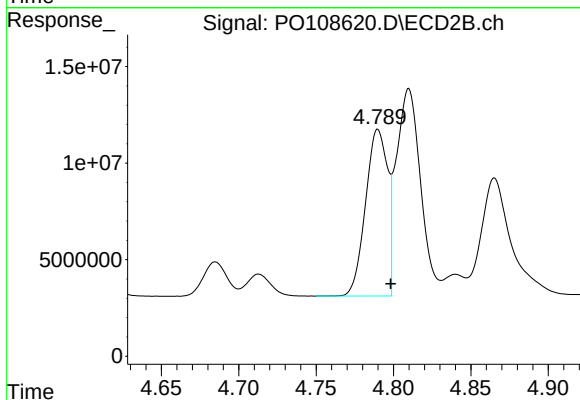
R.T.: 8.724 min
Delta R.T.: -0.017 min
Response: 197512855
Conc: 50.97 ng/ml



#3 AR-1016-1

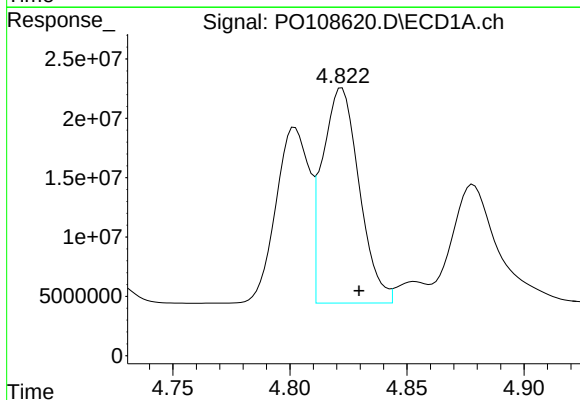
R.T.: 4.802 min
Delta R.T.: -0.008 min
Response: 146380650
Conc: 474.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



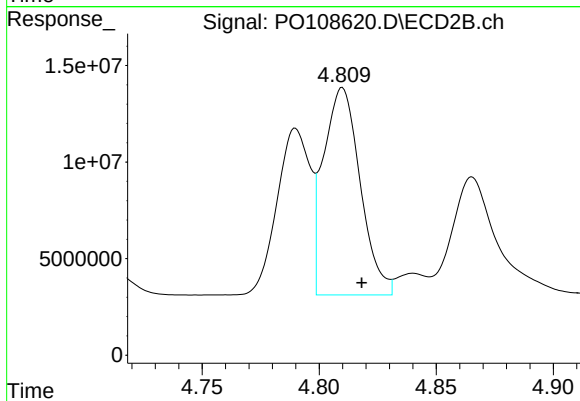
#3 AR-1016-1

R.T.: 4.790 min
Delta R.T.: -0.008 min
Response: 85136718
Conc: 530.53 ng/ml



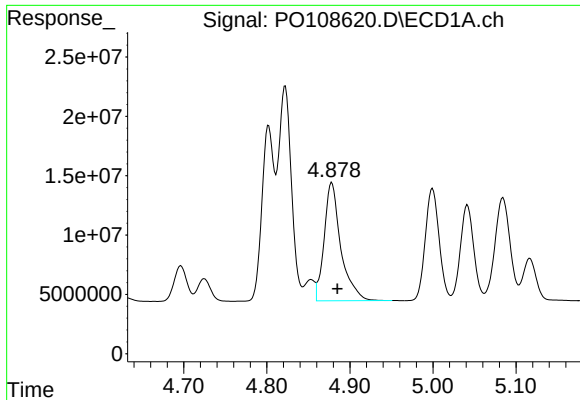
#4 AR-1016-2

R.T.: 4.822 min
Delta R.T.: -0.007 min
Response: 198457519
Conc: 475.44 ng/ml



#4 AR-1016-2

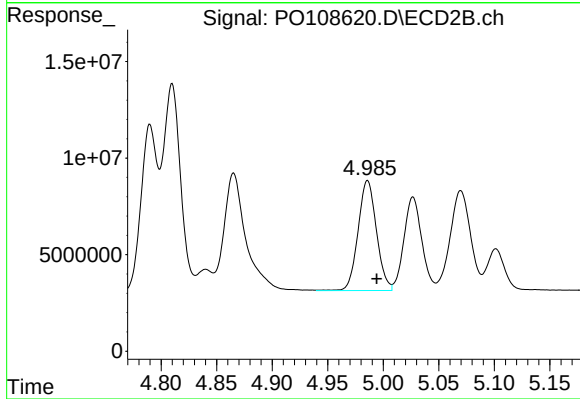
R.T.: 4.810 min
Delta R.T.: -0.008 min
Response: 117197668
Conc: 527.70 ng/ml



#5 AR-1016-3

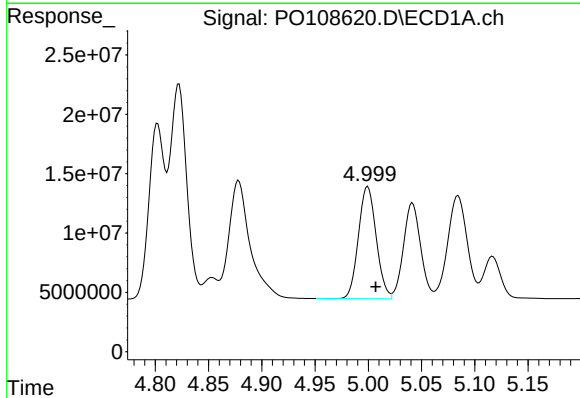
R.T.: 4.878 min
Delta R.T.: -0.007 min
Response: 139168703
Conc: 475.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



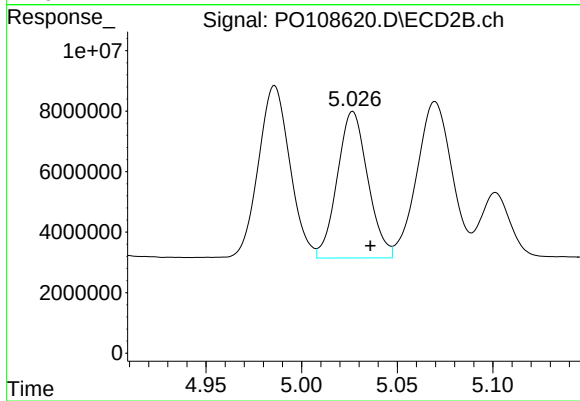
#5 AR-1016-3

R.T.: 4.986 min
Delta R.T.: -0.008 min
Response: 65657444
Conc: 521.78 ng/ml



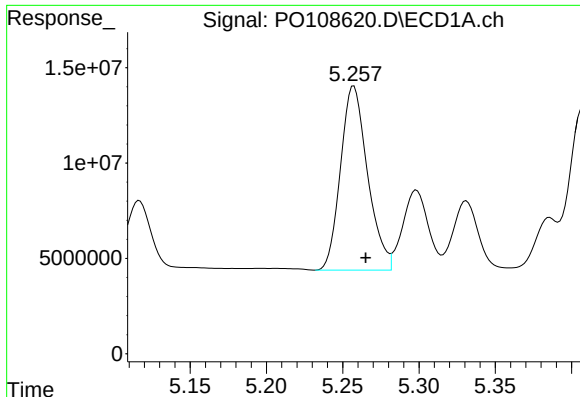
#6 AR-1016-4

R.T.: 4.999 min
Delta R.T.: -0.007 min
Response: 109751222
Conc: 474.75 ng/ml



#6 AR-1016-4

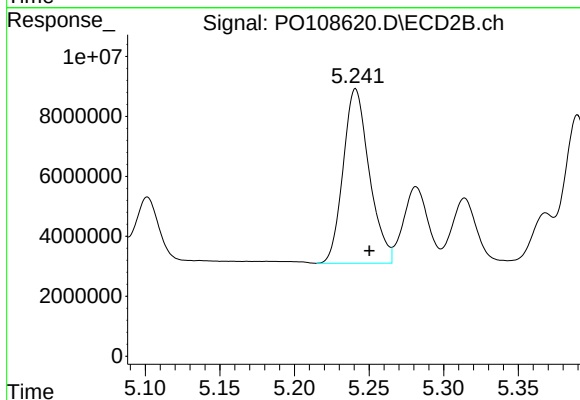
R.T.: 5.027 min
Delta R.T.: -0.009 min
Response: 53912562
Conc: 514.40 ng/ml



#7 AR-1016-5

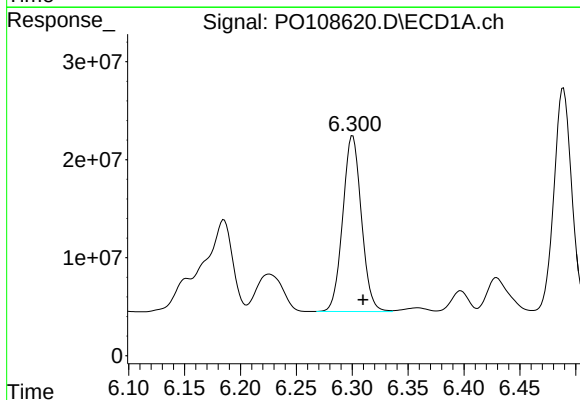
R.T.: 5.257 min
Delta R.T.: -0.008 min
Response: 119072724
Conc: 473.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



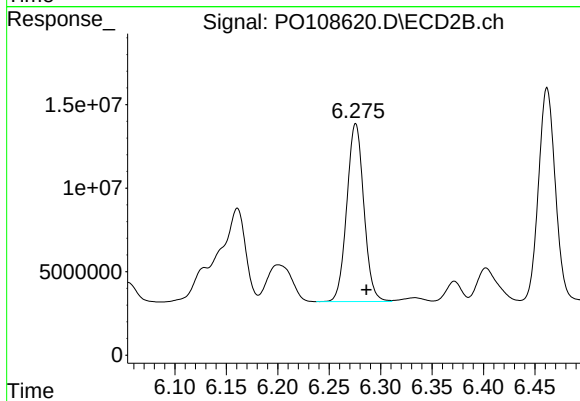
#7 AR-1016-5

R.T.: 5.241 min
Delta R.T.: -0.009 min
Response: 70929856
Conc: 524.59 ng/ml



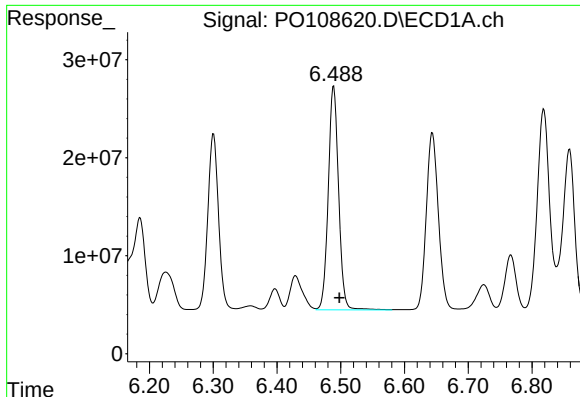
#31 AR-1260-1

R.T.: 6.300 min
Delta R.T.: -0.009 min
Response: 208424698
Conc: 455.93 ng/ml



#31 AR-1260-1

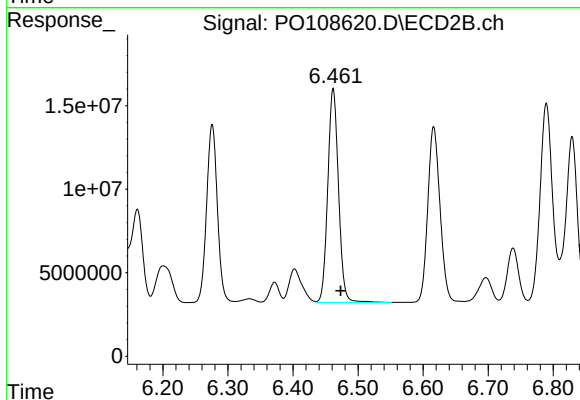
R.T.: 6.276 min
Delta R.T.: -0.010 min
Response: 122815249
Conc: 524.77 ng/ml



#32 AR-1260-2

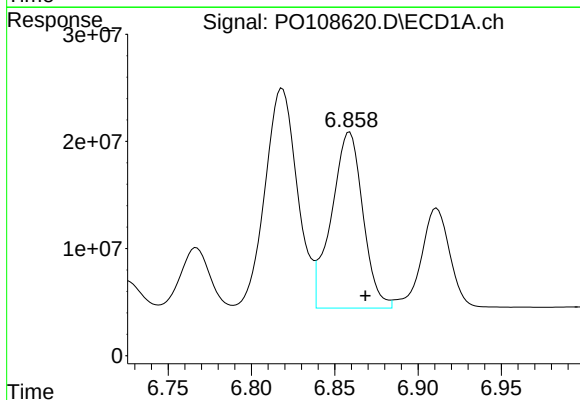
R.T.: 6.489 min
Delta R.T.: -0.009 min
Response: 257262548
Conc: 462.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



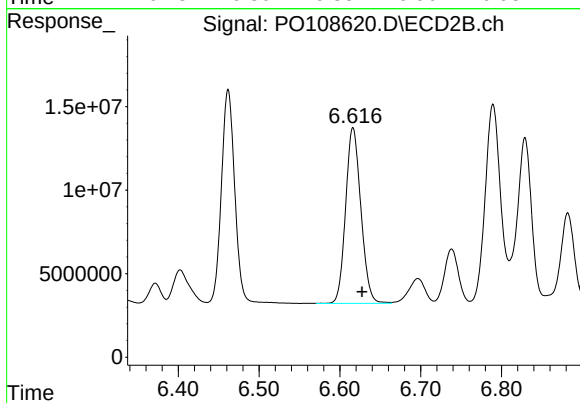
#32 AR-1260-2

R.T.: 6.462 min
Delta R.T.: -0.012 min
Response: 147340720
Conc: 525.15 ng/ml



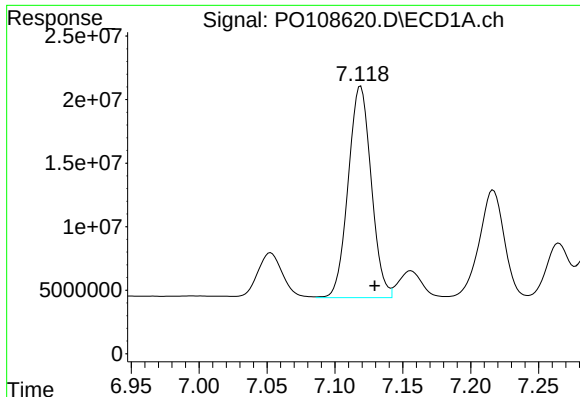
#33 AR-1260-3

R.T.: 6.859 min
Delta R.T.: -0.010 min
Response: 216349550
Conc: 466.59 ng/ml



#33 AR-1260-3

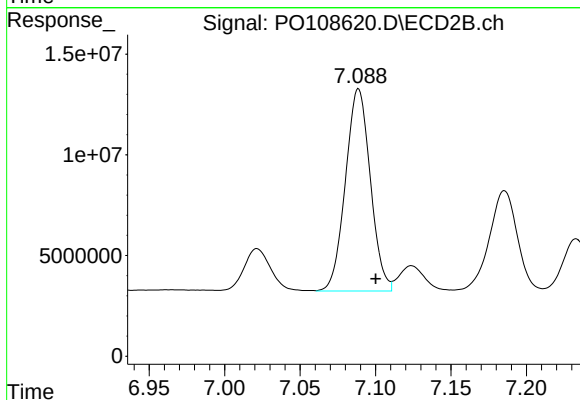
R.T.: 6.616 min
Delta R.T.: -0.011 min
Response: 138029659
Conc: 523.70 ng/ml



#34 AR-1260-4

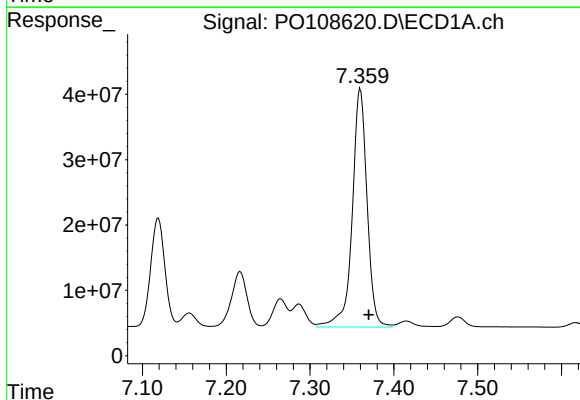
R.T.: 7.119 min
Delta R.T.: -0.010 min
Response: 196302512
Conc: 461.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



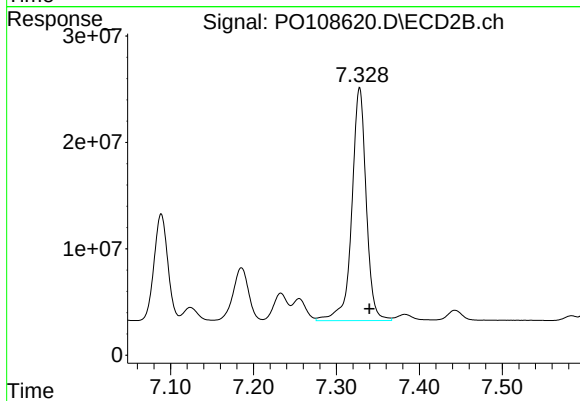
#34 AR-1260-4

R.T.: 7.089 min
Delta R.T.: -0.011 min
Response: 115186237
Conc: 541.42 ng/ml



#35 AR-1260-5

R.T.: 7.360 min
Delta R.T.: -0.010 min
Response: 449195990
Conc: 462.19 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: -0.012 min
Response: 264400457
Conc: 546.36 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Continuing Calib Date: 12/18/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 20:04 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)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.49	6.50	6.40	6.60	0.01
Aroclor-1260-3	(3)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-4	(4)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.71	3.71	3.61	3.81	0.00
Decachlorobiphenyl		8.78	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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Continuing Calib Date: 12/18/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 20:04 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	0.01
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-4	(4)	5.03	5.04	4.94	5.14	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.62	6.63	6.53	6.73	0.01
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.33	7.34	7.24	7.44	0.01
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.73	8.74	8.64	8.84	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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

Client Sample No.: CCAL02 Date Analyzed: 12/18/2024

Lab Sample No.: AR1660CCC500 Data File : PO108635.D Time Analyzed: 20:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.803	4.709	4.909	498.640	500.000	-0.3
Aroclor-1016-2	4.823	4.729	4.929	505.570	500.000	1.1
Aroclor-1016-3	4.879	4.785	4.985	503.330	500.000	0.7
Aroclor-1016-4	5.000	4.907	5.107	503.810	500.000	0.8
Aroclor-1016-5	5.258	5.165	5.365	505.700	500.000	1.1
Aroclor-1260-1	6.301	6.210	6.410	488.870	500.000	-2.2
Aroclor-1260-2	6.490	6.398	6.598	489.350	500.000	-2.1
Aroclor-1260-3	6.859	6.769	6.969	496.430	500.000	-0.7
Aroclor-1260-4	7.119	7.029	7.229	491.890	500.000	-1.6
Aroclor-1260-5	7.360	7.270	7.470	495.310	500.000	-0.9
Decachlorobiphenyl	8.775	8.691	8.891	46.280	50.000	-7.4
Tetrachloro-m-xylene	3.706	3.610	3.810	50.760	50.000	1.5



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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

Client Sample No.: CCAL02 Date Analyzed: 12/18/2024

Lab Sample No.: AR1660CCC500 Data File : PO108635.D Time Analyzed: 20:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.791	4.698	4.898	552.620	500.000	10.5
Aroclor-1016-2	4.811	4.718	4.918	552.950	500.000	10.6
Aroclor-1016-3	4.986	4.894	5.094	541.900	500.000	8.4
Aroclor-1016-4	5.028	4.935	5.135	532.940	500.000	6.6
Aroclor-1016-5	5.242	5.150	5.350	555.680	500.000	11.1
Aroclor-1260-1	6.277	6.186	6.386	553.460	500.000	10.7
Aroclor-1260-2	6.463	6.373	6.573	552.480	500.000	10.5
Aroclor-1260-3	6.617	6.527	6.727	553.540	500.000	10.7
Aroclor-1260-4	7.089	7.000	7.200	574.670	500.000	14.9
Aroclor-1260-5	7.329	7.239	7.439	580.680	500.000	16.1
Decachlorobiphenyl	8.725	8.641	8.841	54.120	50.000	8.2
Tetrachloro-m-xylene	3.704	3.608	3.808	55.170	50.000	10.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108635.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 20:04
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 19 03:52:37 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...	3.706	3.704	441.6E6	279.7E6	50.762	55.172
2) SA Decachlor...	8.775	8.725	338.0E6	209.7E6	46.275	54.120
Target Compounds						
3) L1 AR-1016-1	4.803	4.791	153.8E6	88681313	498.641	552.620
4) L1 AR-1016-2	4.823	4.811	211.0E6	122.8E6	505.571	552.949
5) L1 AR-1016-3	4.879	4.986	147.3E6	68189638	503.329	541.903
6) L1 AR-1016-4	5.000	5.028	116.5E6	55855565	503.808	532.943
7) L1 AR-1016-5	5.258	5.242	127.3E6	75133986	505.697	555.679
31) L7 AR-1260-1	6.301	6.277	223.5E6	129.5E6	488.874	553.461
32) L7 AR-1260-2	6.490	6.463	271.9E6	155.0E6	489.345	552.483
33) L7 AR-1260-3	6.859	6.617	230.2E6	145.9E6	496.435	553.536
34) L7 AR-1260-4	7.119	7.089	209.2E6	122.3E6	491.892	574.665
35) L7 AR-1260-5	7.360	7.329	481.4E6	281.0E6	495.309	580.683

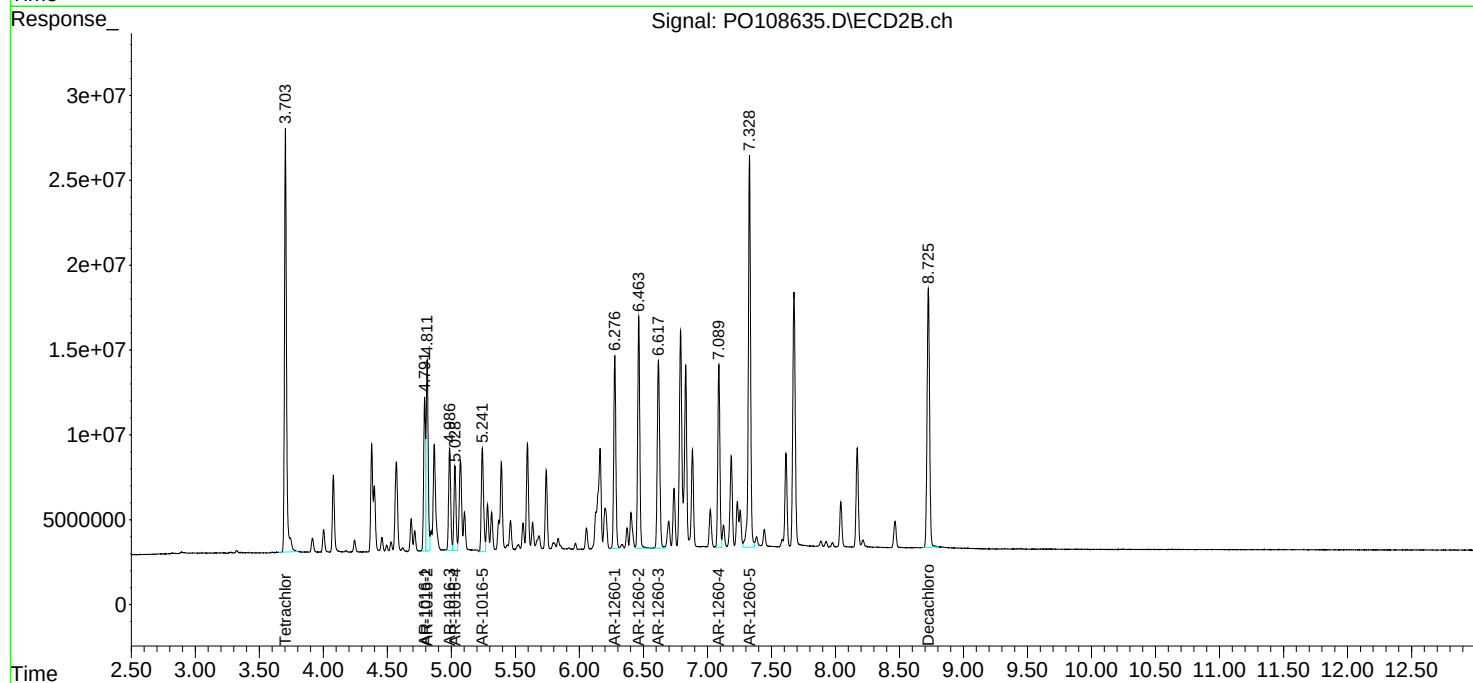
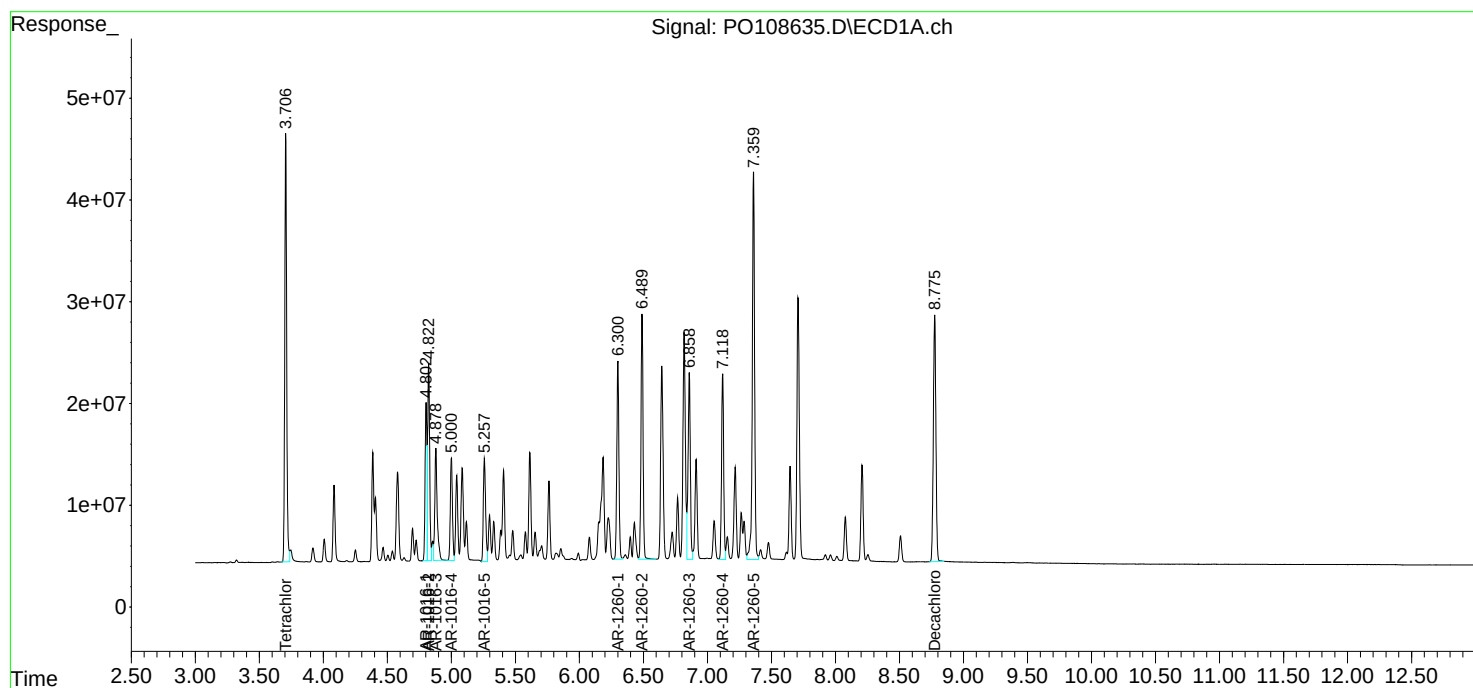
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

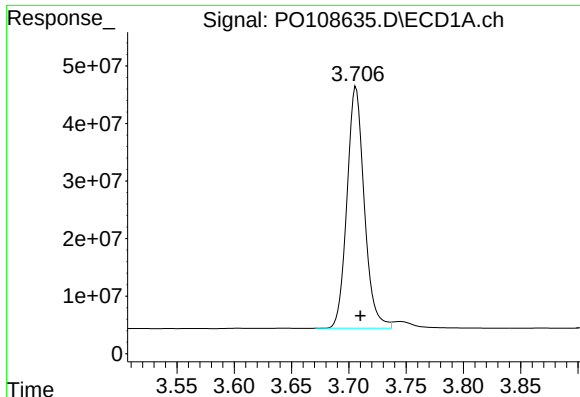
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108635.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 20:04
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:52:37 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

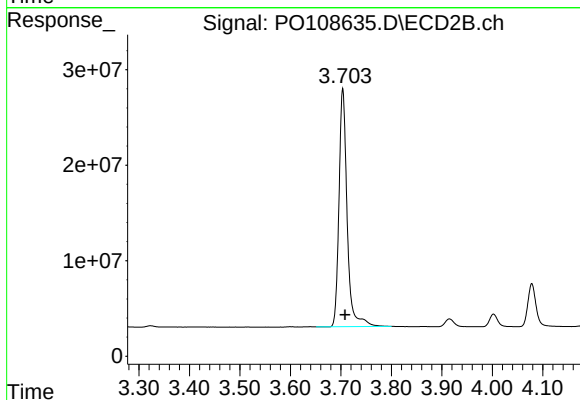




#1 Tetrachloro-m-xylene

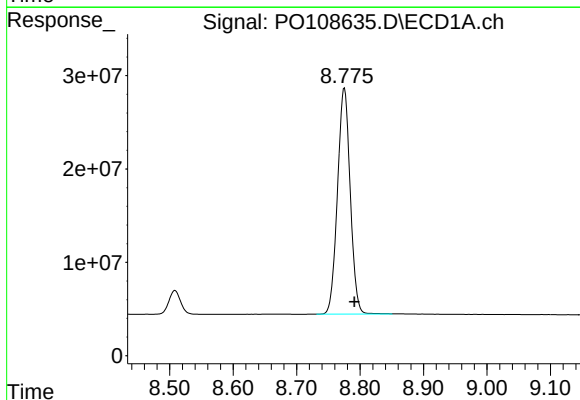
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 441635907
Conc: 50.76 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



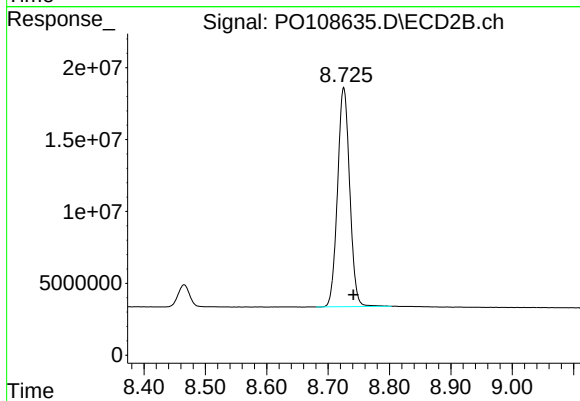
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 279690146
Conc: 55.17 ng/ml



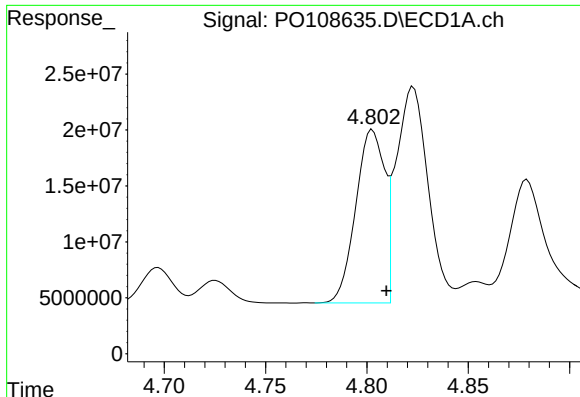
#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 337999935
Conc: 46.28 ng/ml



#2 Decachlorobiphenyl

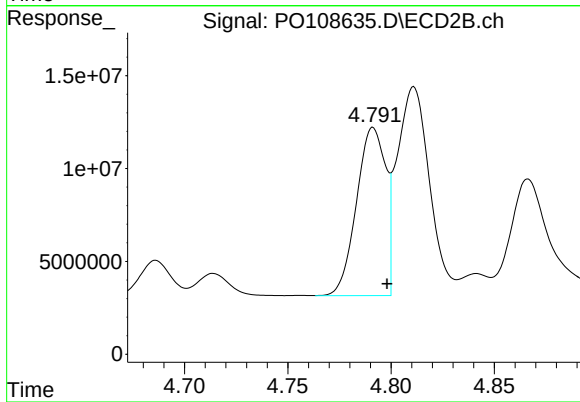
R.T.: 8.725 min
Delta R.T.: -0.016 min
Response: 209710703
Conc: 54.12 ng/ml



#3 AR-1016-1

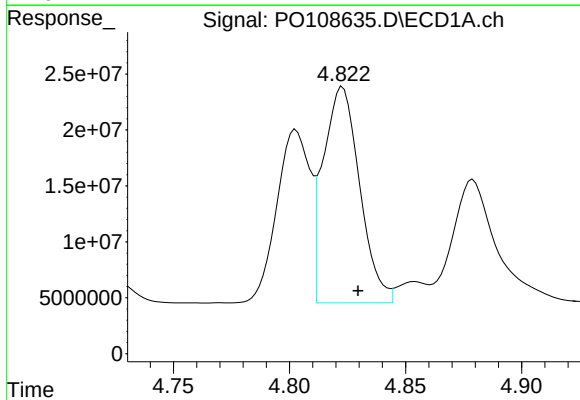
R.T.: 4.803 min
Delta R.T.: -0.007 min
Response: 153802471
Conc: 498.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



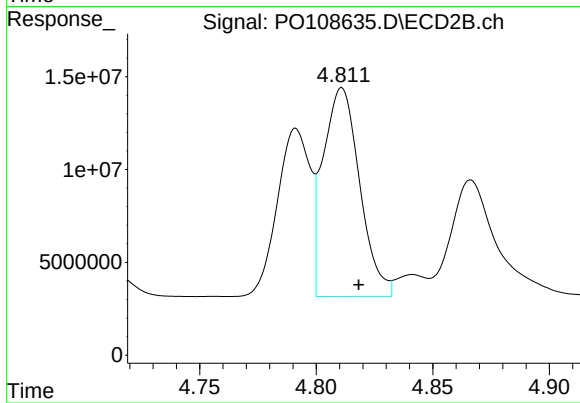
#3 AR-1016-1

R.T.: 4.791 min
Delta R.T.: -0.007 min
Response: 88681313
Conc: 552.62 ng/ml



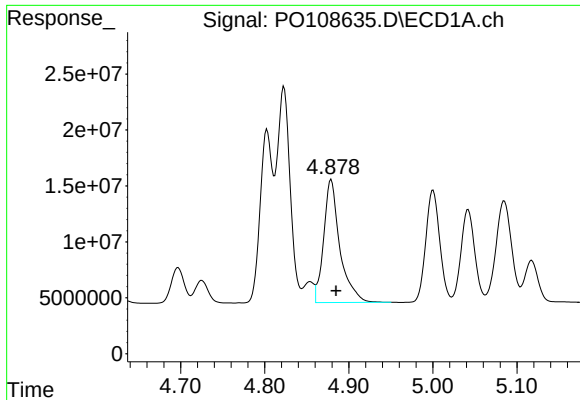
#4 AR-1016-2

R.T.: 4.823 min
Delta R.T.: -0.007 min
Response: 211034929
Conc: 505.57 ng/ml



#4 AR-1016-2

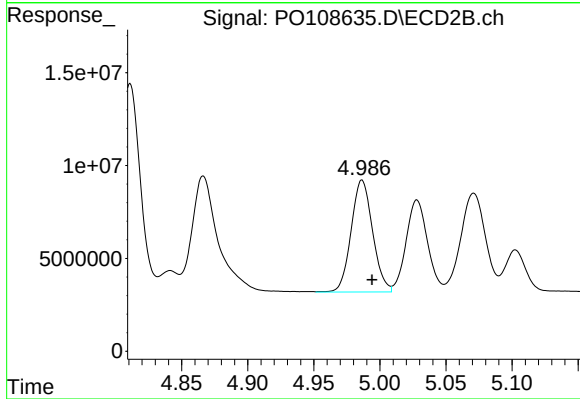
R.T.: 4.811 min
Delta R.T.: -0.007 min
Response: 122806011
Conc: 552.95 ng/ml



#5 AR-1016-3

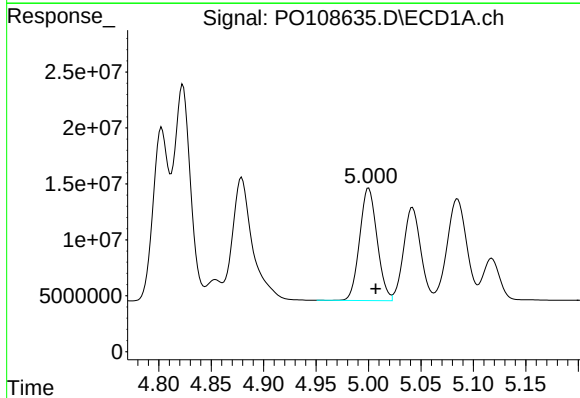
R.T.: 4.879 min
Delta R.T.: -0.006 min
Response: 147289790
Conc: 503.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



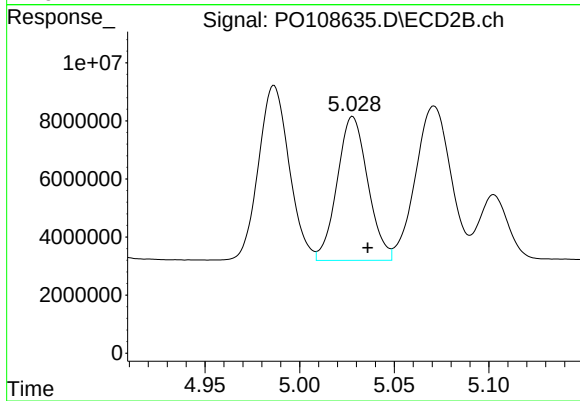
#5 AR-1016-3

R.T.: 4.986 min
Delta R.T.: -0.008 min
Response: 68189638
Conc: 541.90 ng/ml



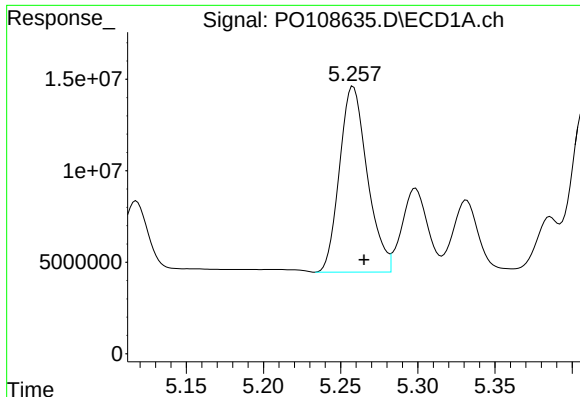
#6 AR-1016-4

R.T.: 5.000 min
Delta R.T.: -0.007 min
Response: 116468800
Conc: 503.81 ng/ml



#6 AR-1016-4

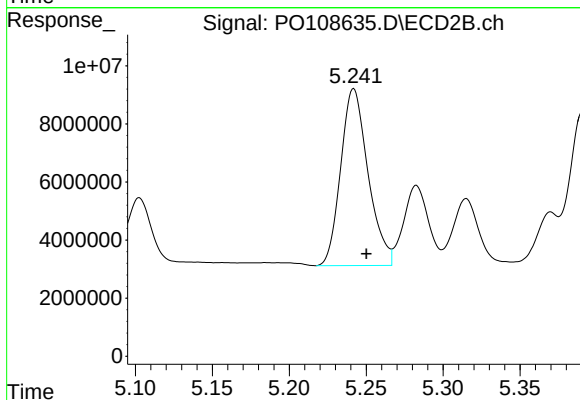
R.T.: 5.028 min
Delta R.T.: -0.008 min
Response: 55855565
Conc: 532.94 ng/ml



#7 AR-1016-5

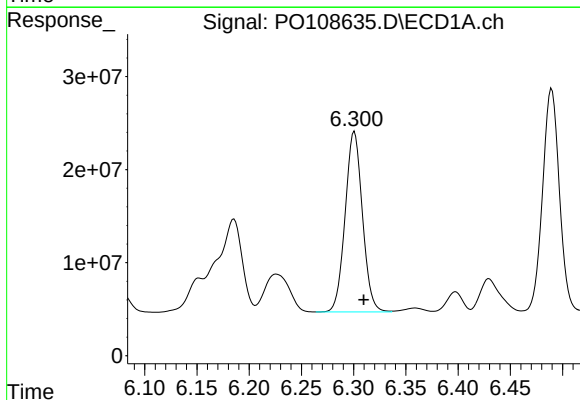
R.T.: 5.258 min
Delta R.T.: -0.007 min
Response: 127268872
Conc: 505.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



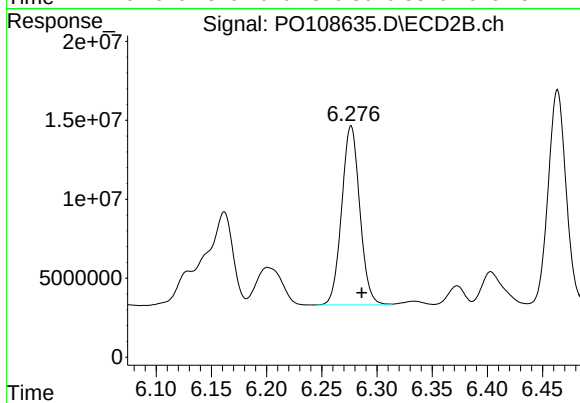
#7 AR-1016-5

R.T.: 5.242 min
Delta R.T.: -0.008 min
Response: 75133986
Conc: 555.68 ng/ml



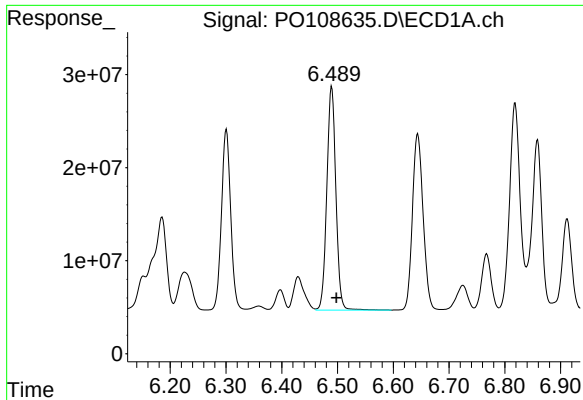
#31 AR-1260-1

R.T.: 6.301 min
Delta R.T.: -0.009 min
Response: 223486373
Conc: 488.87 ng/ml



#31 AR-1260-1

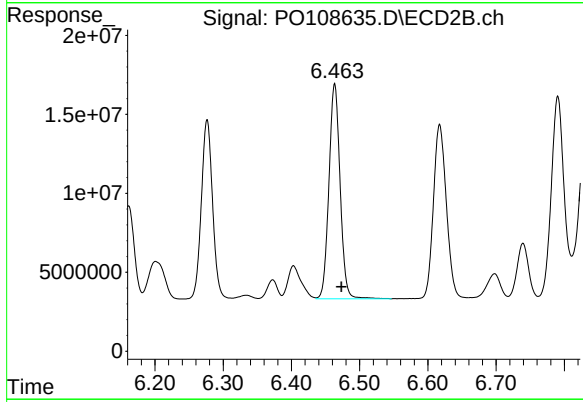
R.T.: 6.277 min
Delta R.T.: -0.010 min
Response: 129529465
Conc: 553.46 ng/ml



#32 AR-1260-2

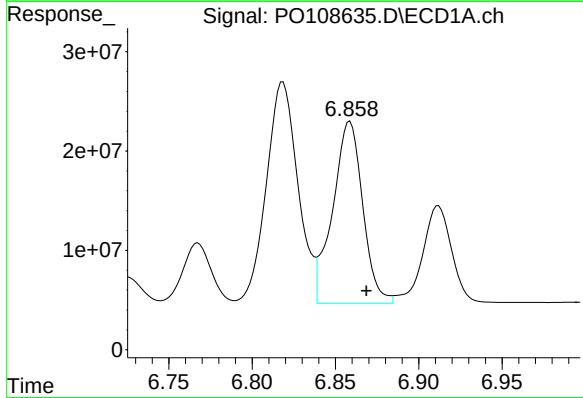
R.T.: 6.490 min
Delta R.T.: -0.008 min
Response: 271938602
Conc: 489.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



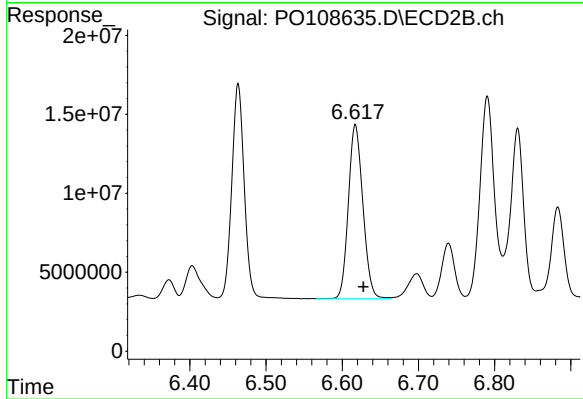
#32 AR-1260-2

R.T.: 6.463 min
Delta R.T.: -0.010 min
Response: 155008951
Conc: 552.48 ng/ml



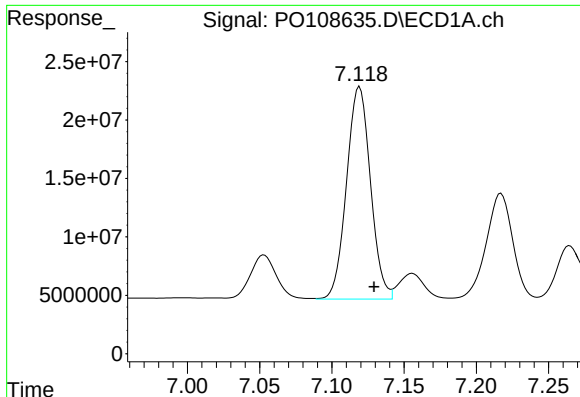
#33 AR-1260-3

R.T.: 6.859 min
Delta R.T.: -0.010 min
Response: 230186054
Conc: 496.43 ng/ml



#33 AR-1260-3

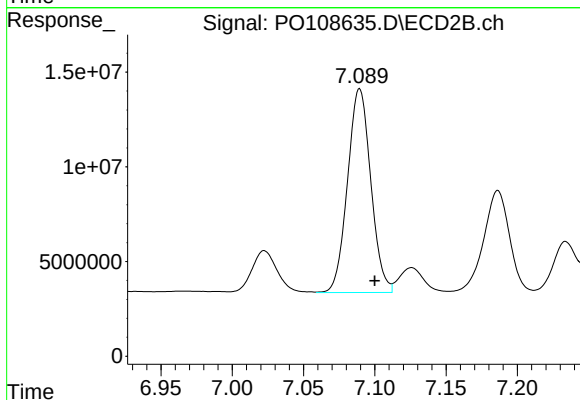
R.T.: 6.617 min
Delta R.T.: -0.010 min
Response: 145894428
Conc: 553.54 ng/ml



#34 AR-1260-4

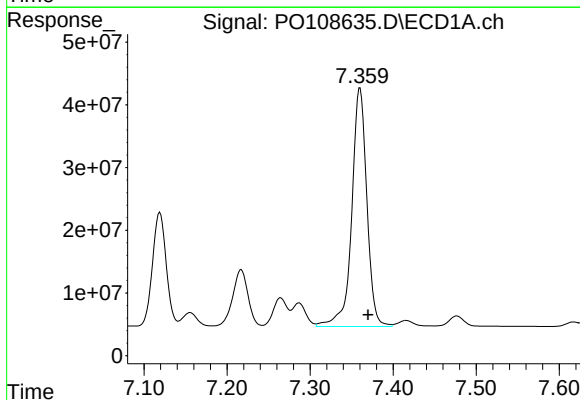
R.T.: 7.119 min
Delta R.T.: -0.010 min
Response: 209221687
Conc: 491.89 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



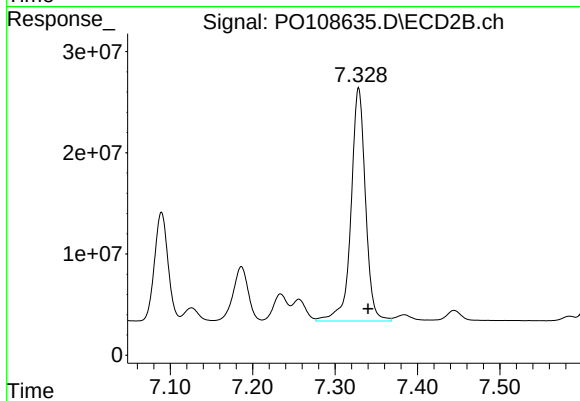
#34 AR-1260-4

R.T.: 7.089 min
Delta R.T.: -0.011 min
Response: 122260166
Conc: 574.67 ng/ml



#35 AR-1260-5

R.T.: 7.360 min
Delta R.T.: -0.010 min
Response: 481382725
Conc: 495.31 ng/ml



#35 AR-1260-5

R.T.: 7.329 min
Delta R.T.: -0.011 min
Response: 281011813
Conc: 580.68 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Continuing Calib Date: 12/19/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 01:03 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)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.49	6.50	6.40	6.60	0.01
Aroclor-1260-3	(3)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-4	(4)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.71	3.71	3.61	3.81	0.00
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: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Continuing Calib Date: 12/19/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 01:03 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	0.01
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-4	(4)	5.03	5.04	4.94	5.14	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.62	6.63	6.53	6.73	0.01
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.33	7.34	7.24	7.44	0.01
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.73	8.74	8.64	8.84	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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

Client Sample No.: CCAL03 Date Analyzed: 12/19/2024

Lab Sample No.: AR1660CCC500 Data File : PO108649.D Time Analyzed: 01:03

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.803	4.709	4.909	506.530	500.000	1.3
Aroclor-1016-2	4.822	4.729	4.929	505.100	500.000	1.0
Aroclor-1016-3	4.878	4.785	4.985	509.000	500.000	1.8
Aroclor-1016-4	4.999	4.907	5.107	508.070	500.000	1.6
Aroclor-1016-5	5.257	5.165	5.365	507.310	500.000	1.5
Aroclor-1260-1	6.300	6.210	6.410	493.950	500.000	-1.2
Aroclor-1260-2	6.489	6.398	6.598	493.160	500.000	-1.4
Aroclor-1260-3	6.858	6.769	6.969	500.940	500.000	0.2
Aroclor-1260-4	7.118	7.029	7.229	498.360	500.000	-0.3
Aroclor-1260-5	7.359	7.270	7.470	503.010	500.000	0.6
Decachlorobiphenyl	8.773	8.691	8.891	46.710	50.000	-6.6
Tetrachloro-m-xylene	3.706	3.610	3.810	51.090	50.000	2.2



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

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

Client Sample No.: CCAL03 Date Analyzed: 12/19/2024

Lab Sample No.: AR1660CCC500 Data File : PO108649.D Time Analyzed: 01:03

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.791	4.698	4.898	562.100	500.000	12.4
Aroclor-1016-2	4.810	4.718	4.918	562.390	500.000	12.5
Aroclor-1016-3	4.986	4.894	5.094	555.600	500.000	11.1
Aroclor-1016-4	5.028	4.935	5.135	547.020	500.000	9.4
Aroclor-1016-5	5.241	5.150	5.350	566.660	500.000	13.3
Aroclor-1260-1	6.276	6.186	6.386	562.810	500.000	12.6
Aroclor-1260-2	6.462	6.373	6.573	562.140	500.000	12.4
Aroclor-1260-3	6.617	6.527	6.727	563.250	500.000	12.7
Aroclor-1260-4	7.089	7.000	7.200	582.400	500.000	16.5
Aroclor-1260-5	7.328	7.239	7.439	587.540	500.000	17.5
Decachlorobiphenyl	8.725	8.641	8.841	55.060	50.000	10.1
Tetrachloro-m-xylene	3.704	3.608	3.808	55.980	50.000	12.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 01:03
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 19 03:56:42 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...	3.706	3.704	444.5E6	283.8E6	51.091	55.981
2) SA Decachlor...	8.773	8.725	341.2E6	213.4E6	46.712	55.060
Target Compounds						
3) L1 AR-1016-1	4.803	4.791	156.2E6	90202977	506.528	562.102
4) L1 AR-1016-2	4.822	4.810	210.8E6	124.9E6	505.102	562.385
5) L1 AR-1016-3	4.878	4.986	148.9E6	69913196	509.000	555.600
6) L1 AR-1016-4	4.999	5.028	117.5E6	57330776	508.073	547.019
7) L1 AR-1016-5	5.257	5.241	127.7E6	76618993	507.308	566.662
31) L7 AR-1260-1	6.300	6.276	225.8E6	131.7E6	493.954	562.806
32) L7 AR-1260-2	6.489	6.462	274.1E6	157.7E6	493.159	562.144
33) L7 AR-1260-3	6.858	6.617	232.3E6	148.5E6	500.942	563.248
34) L7 AR-1260-4	7.118	7.089	212.0E6	123.9E6	498.355	582.405
35) L7 AR-1260-5	7.359	7.328	488.9E6	284.3E6	503.015	587.542

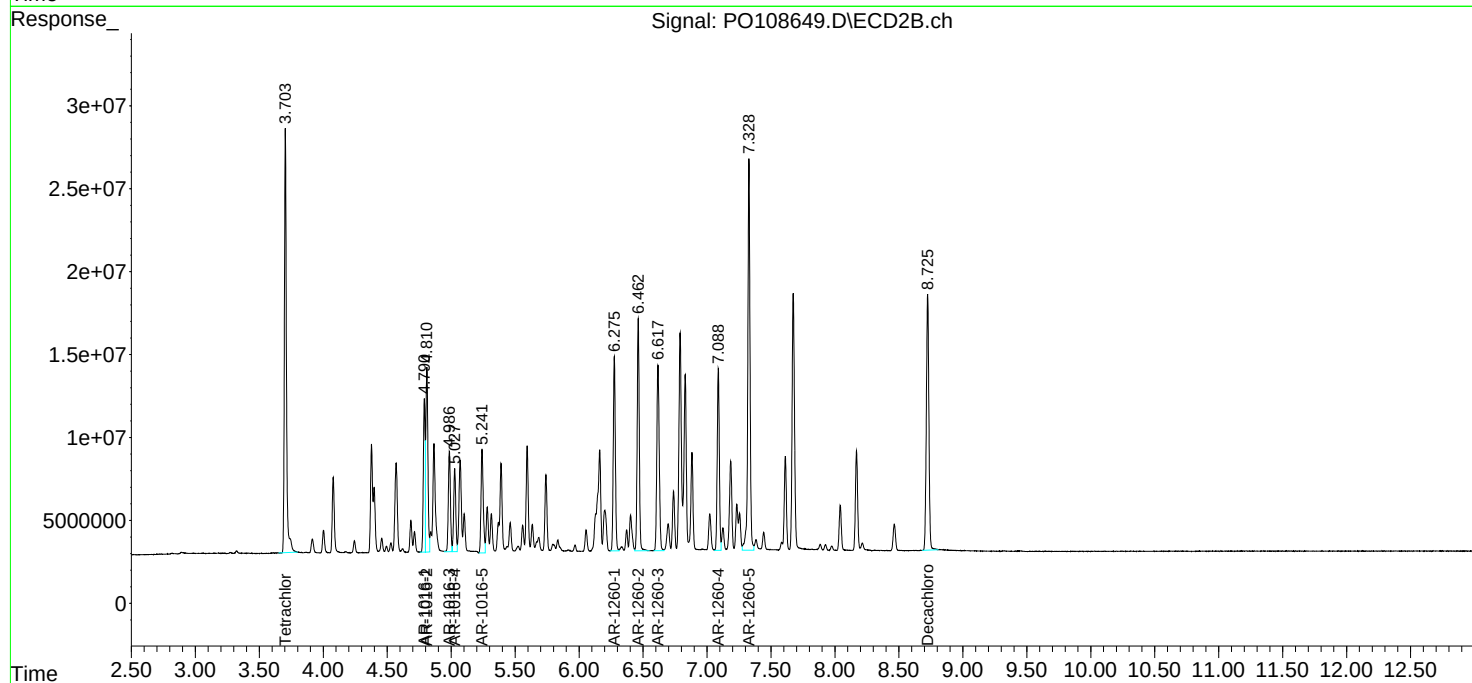
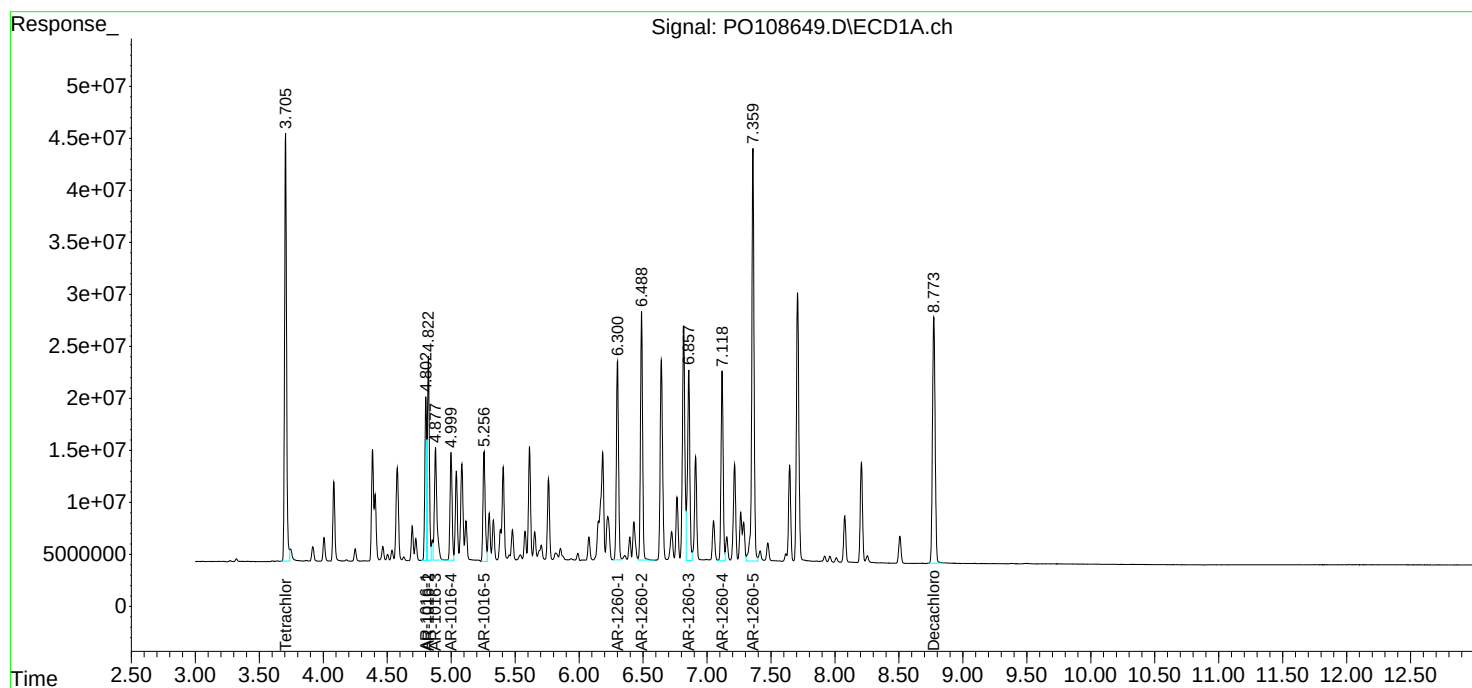
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

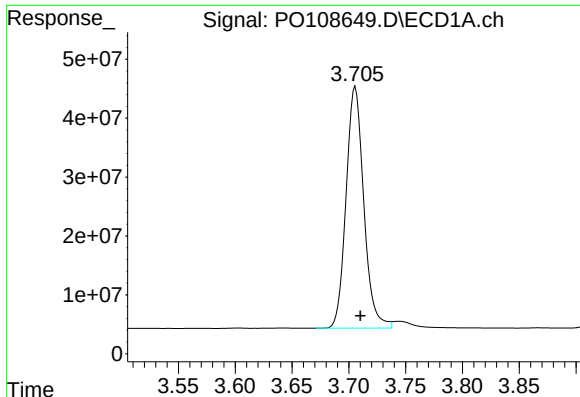
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 01:03
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:56:42 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

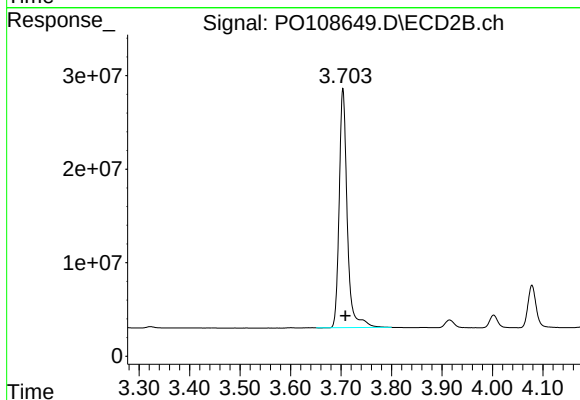




#1 Tetrachloro-m-xylene

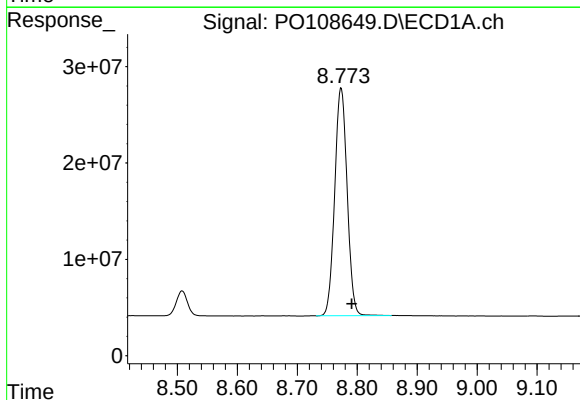
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 444498955
Conc: 51.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



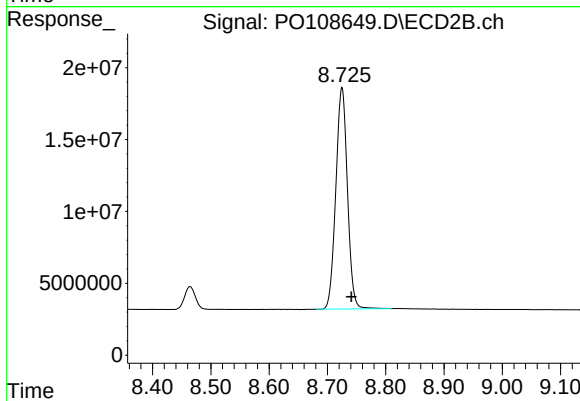
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 283787296
Conc: 55.98 ng/ml



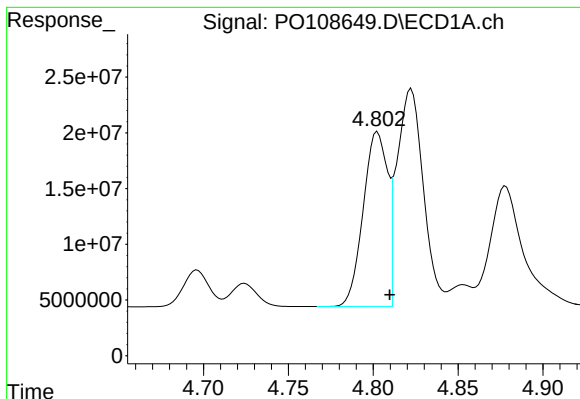
#2 Decachlorobiphenyl

R.T.: 8.773 min
Delta R.T.: -0.018 min
Response: 341189875
Conc: 46.71 ng/ml



#2 Decachlorobiphenyl

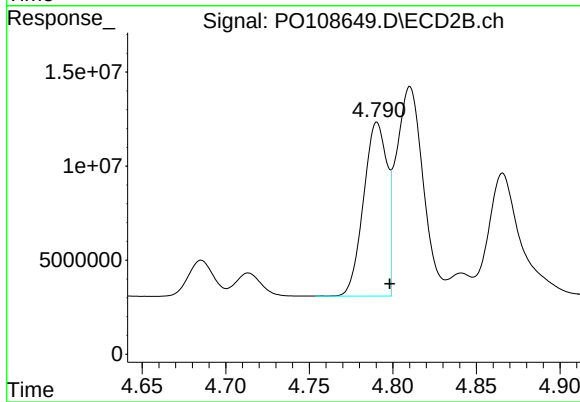
R.T.: 8.725 min
Delta R.T.: -0.016 min
Response: 213354867
Conc: 55.06 ng/ml



#3 AR-1016-1

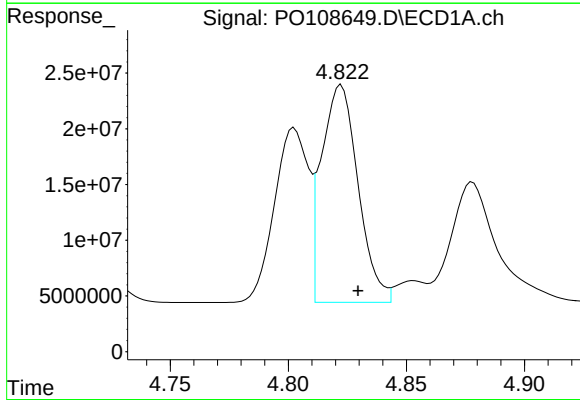
R.T.: 4.803 min
Delta R.T.: -0.007 min
Response: 156235368
Conc: 506.53 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



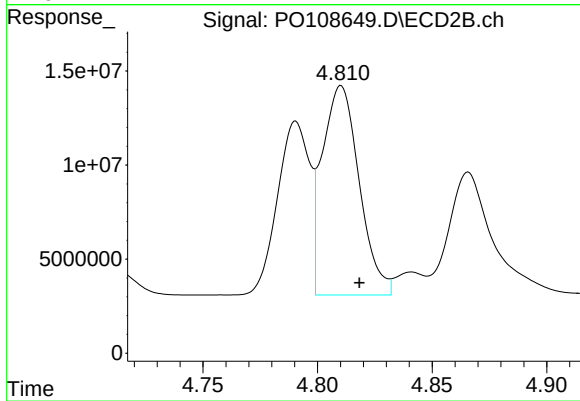
#3 AR-1016-1

R.T.: 4.791 min
Delta R.T.: -0.008 min
Response: 90202977
Conc: 562.10 ng/ml



#4 AR-1016-2

R.T.: 4.822 min
Delta R.T.: -0.007 min
Response: 210839229
Conc: 505.10 ng/ml



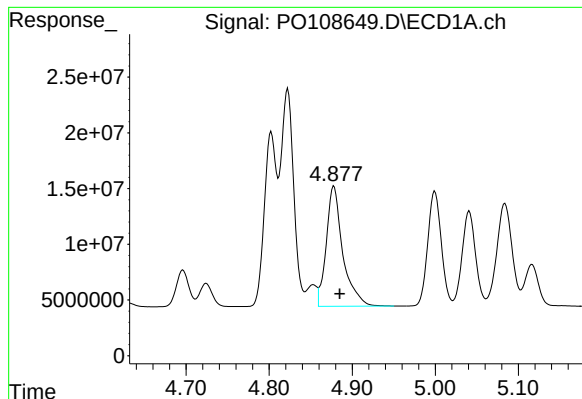
#4 AR-1016-2

R.T.: 4.810 min
Delta R.T.: -0.008 min
Response: 124901723
Conc: 562.39 ng/ml

#5 AR-1016-3

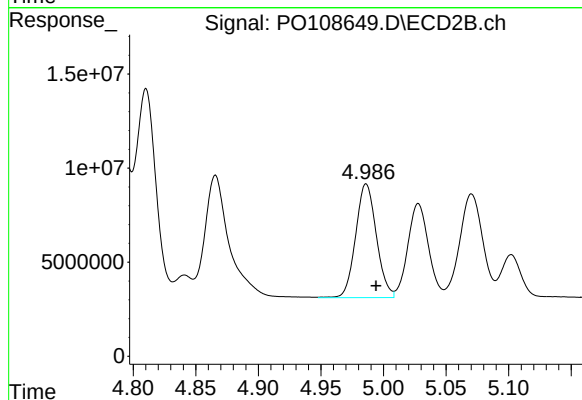
R.T.: 4.878 min
Delta R.T.: -0.007 min
Response: 148949254
Conc: 509.00 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



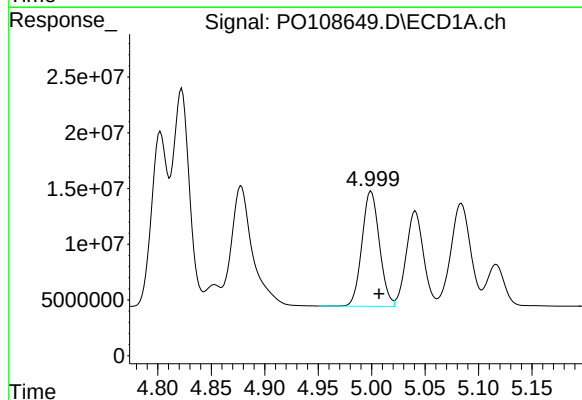
#5 AR-1016-3

R.T.: 4.986 min
Delta R.T.: -0.008 min
Response: 69913196
Conc: 555.60 ng/ml



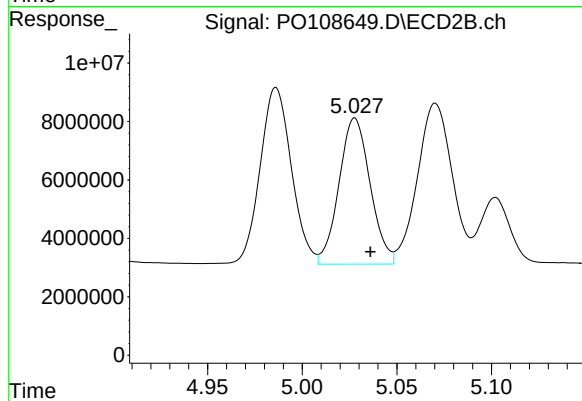
#6 AR-1016-4

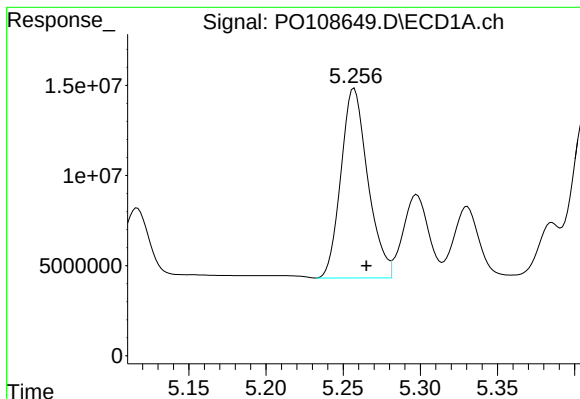
R.T.: 4.999 min
Delta R.T.: -0.007 min
Response: 117454798
Conc: 508.07 ng/ml



#6 AR-1016-4

R.T.: 5.028 min
Delta R.T.: -0.008 min
Response: 57330776
Conc: 547.02 ng/ml

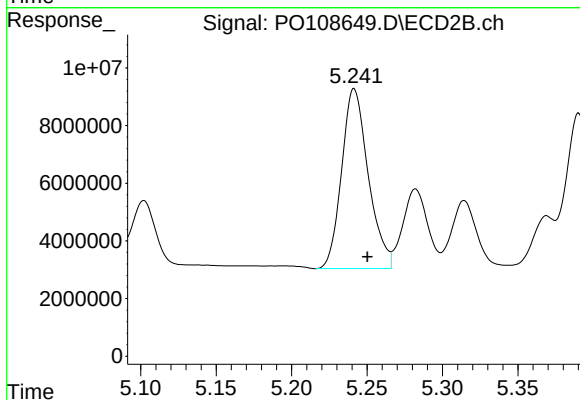




#7 AR-1016-5

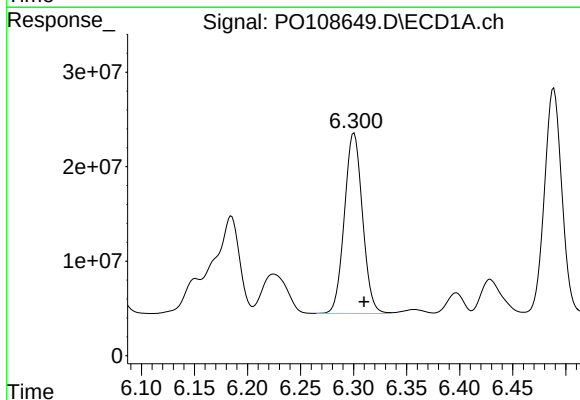
R.T.: 5.257 min
Delta R.T.: -0.008 min
Response: 127674123
Conc: 507.31 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



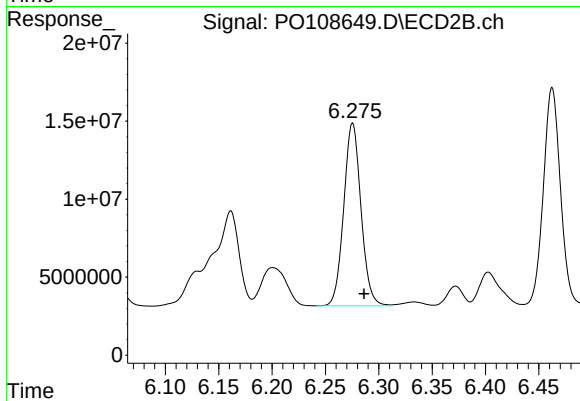
#7 AR-1016-5

R.T.: 5.241 min
Delta R.T.: -0.009 min
Response: 76618993
Conc: 566.66 ng/ml



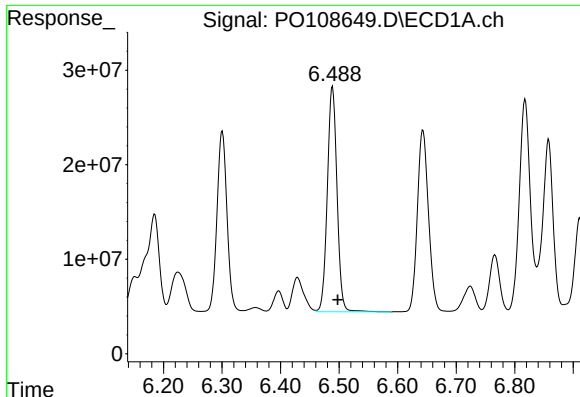
#31 AR-1260-1

R.T.: 6.300 min
Delta R.T.: -0.009 min
Response: 225808432
Conc: 493.95 ng/ml



#31 AR-1260-1

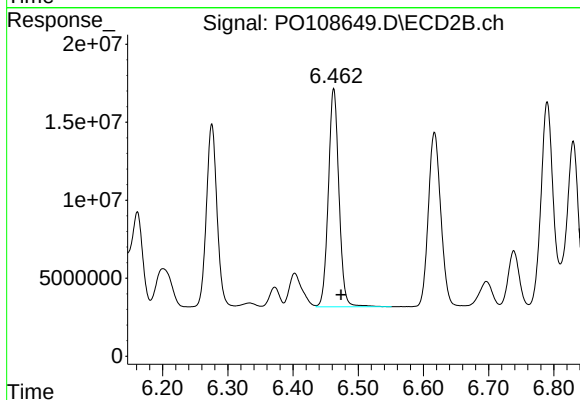
R.T.: 6.276 min
Delta R.T.: -0.011 min
Response: 131716524
Conc: 562.81 ng/ml



#32 AR-1260-2

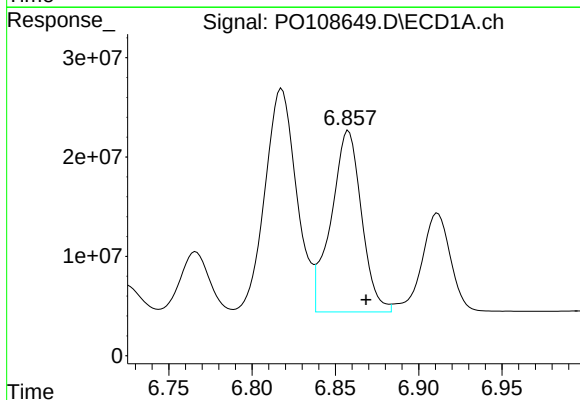
R.T.: 6.489 min
Delta R.T.: -0.009 min
Response: 274058092
Conc: 493.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



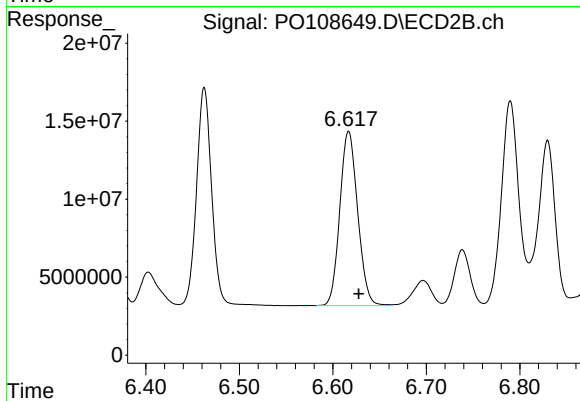
#32 AR-1260-2

R.T.: 6.462 min
Delta R.T.: -0.011 min
Response: 157719585
Conc: 562.14 ng/ml



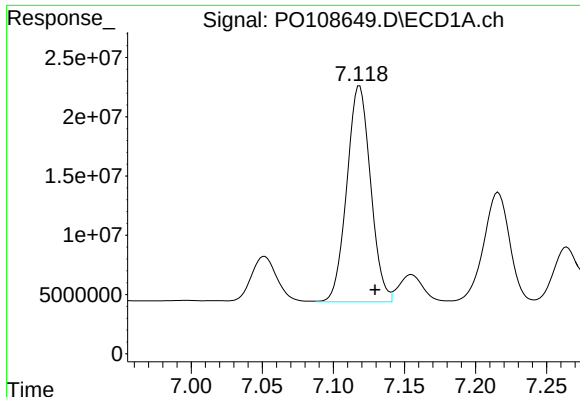
#33 AR-1260-3

R.T.: 6.858 min
Delta R.T.: -0.011 min
Response: 232275983
Conc: 500.94 ng/ml



#33 AR-1260-3

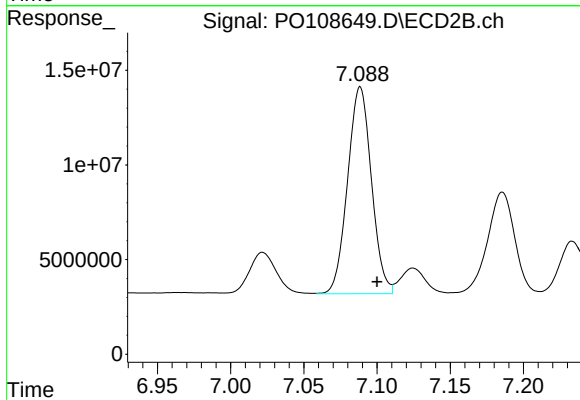
R.T.: 6.617 min
Delta R.T.: -0.011 min
Response: 148454240
Conc: 563.25 ng/ml



#34 AR-1260-4

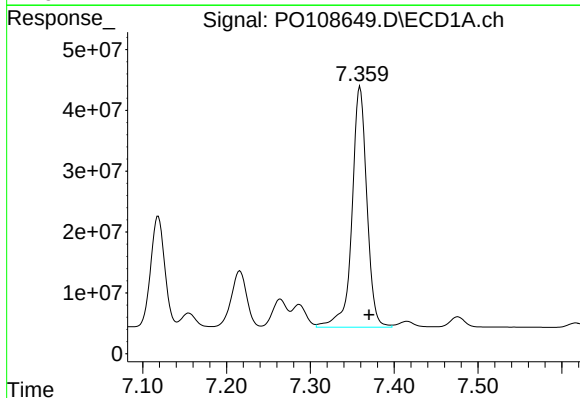
R.T.: 7.118 min
Delta R.T.: -0.011 min
Response: 211970649
Conc: 498.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660CCC500



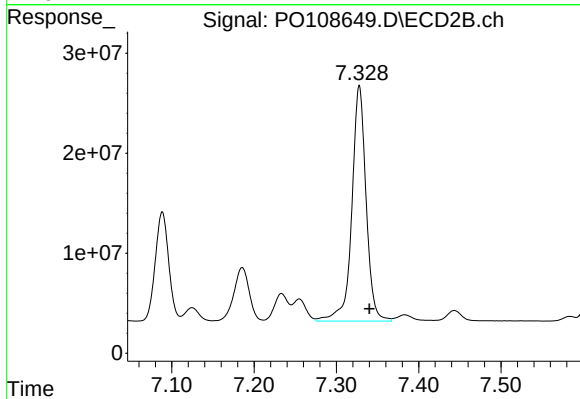
#34 AR-1260-4

R.T.: 7.089 min
Delta R.T.: -0.012 min
Response: 123906704
Conc: 582.40 ng/ml



#35 AR-1260-5

R.T.: 7.359 min
Delta R.T.: -0.011 min
Response: 488871506
Conc: 503.01 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: -0.012 min
Response: 284331039
Conc: 587.54 ng/ml

Analytical Sequence

Client: Nobis Group

SDG No.: P5306

Project: Raymark Superfund Site

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 #
1.BLK	1.BLK	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	12/18/2024	14:46	PO108620.D	8.78	3.71
1.BLK	1.BLK	12/18/2024	15:59	PO108624.D	8.78	3.71
PB165703BL	PB165703BL	12/18/2024	16:18	PO108625.D	8.78	3.71
PB165703BS	PB165703BS	12/18/2024	16:36	PO108626.D	8.78	3.71
OU4-VSL-07-121224	P5306-01	12/18/2024	18:08	PO108631.D	8.78	3.71
OU4-VSL-07-121224MS	P5306-01MS	12/18/2024	18:26	PO108632.D	8.78	3.71
OU4-VSL-07-121224MSD	P5306-01MSD	12/18/2024	18:44	PO108633.D	8.78	3.71
OU4-VSL-08-121224	P5306-03	12/18/2024	19:03	PO108634.D	8.78	3.71
AR1660CCC500	AR1660CCC500	12/18/2024	20:04	PO108635.D	8.78	3.71
1.BLK	1.BLK	12/18/2024	21:17	PO108639.D	8.78	3.71
OU4-VSL-09-121224	P5306-05	12/18/2024	21:35	PO108640.D	8.78	3.71
OU4-VSL-10-121224	P5306-07	12/18/2024	21:54	PO108641.D	8.78	3.71
OU4-VSL-11-121224	P5306-09	12/18/2024	22:12	PO108642.D	8.77	3.71

Analytical Sequence

OU4-VSL-12-121224	P5306-11	12/18/2024	22:30	PO108643.D	8.78	3.71
OU4-VSL-13-121224	P5306-13	12/18/2024	22:49	PO108644.D	8.78	3.71
OU4-VSL-14-121224	P5306-15	12/18/2024	23:07	PO108645.D	8.78	3.71
AR1660CCC500	AR1660CCC500	12/19/2024	01:03	PO108649.D	8.77	3.71
LBLK	LBLK	12/19/2024	02:16	PO108653.D	8.77	3.71

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

Analytical Sequence

Client: Nobis Group

SDG No.: P5306

Project: Raymark Superfund Site

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 #
1.BLK	1.BLK	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	12/18/2024	14:46	PO108620.D	8.72	3.70
1.BLK	1.BLK	12/18/2024	15:59	PO108624.D	8.73	3.70
PB165703BL	PB165703BL	12/18/2024	16:18	PO108625.D	8.73	3.70
PB165703BS	PB165703BS	12/18/2024	16:36	PO108626.D	8.73	3.70
OU4-VSL-07-121224	P5306-01	12/18/2024	18:08	PO108631.D	8.73	3.70
OU4-VSL-07-121224MS	P5306-01MS	12/18/2024	18:26	PO108632.D	8.73	3.70
OU4-VSL-07-121224MSD	P5306-01MSD	12/18/2024	18:44	PO108633.D	8.73	3.70
OU4-VSL-08-121224	P5306-03	12/18/2024	19:03	PO108634.D	8.72	3.70
AR1660CCC500	AR1660CCC500	12/18/2024	20:04	PO108635.D	8.73	3.70
1.BLK	1.BLK	12/18/2024	21:17	PO108639.D	8.73	3.70
OU4-VSL-09-121224	P5306-05	12/18/2024	21:35	PO108640.D	8.73	3.70
OU4-VSL-10-121224	P5306-07	12/18/2024	21:54	PO108641.D	8.73	3.70
OU4-VSL-11-121224	P5306-09	12/18/2024	22:12	PO108642.D	8.73	3.70

Analytical Sequence

OU4-VSL-12-121224	P5306-11	12/18/2024	22:30	PO108643.D	8.72	3.70
OU4-VSL-13-121224	P5306-13	12/18/2024	22:49	PO108644.D	8.73	3.70
OU4-VSL-14-121224	P5306-15	12/18/2024	23:07	PO108645.D	8.72	3.70
AR1660CCC500	AR1660CCC500	12/19/2024	01:03	PO108649.D	8.73	3.70
LBLK	LBLK	12/19/2024	02:16	PO108653.D	8.73	3.70

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB165703BS

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab Sample ID: PB165703BS Date(s) Analyzed: 12/18/2024 12/18/2024

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 PO108626.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.803	4.753	4.853	147	147	7.84
COLUMN 1	2	4.823	4.773	4.873	150		
	3	4.878	4.828	4.928	147		
	4	5	4.95	5.05	147		
	5	5.258	5.208	5.308	142		
COLUMN 2	1	4.791	4.741	4.841	161	159	
	2	4.81	4.76	4.86	163		
	3	4.986	4.936	5.036	159		
	4	5.027	4.977	5.077	157		
	5	5.241	5.191	5.291	154		
Aroclor-1260	1	6.301	6.251	6.351	150	141	15.69
COLUMN 1	2	6.49	6.44	6.54	153		
	3	6.858	6.808	6.908	131		
	4	7.119	7.069	7.169	133		
	5	7.361	7.311	7.411	135		
COLUMN 2	1	6.276	6.226	6.326	170	165	
	2	6.462	6.412	6.512	171		
	3	6.616	6.566	6.666	171		
	4	7.089	7.039	7.139	154		
	5	7.328	7.278	7.378	157		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-VSL-07-121224MS

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab Sample ID: P5306-01MS Date(s) Analyzed: 12/18/2024 12/18/2024

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 PO108632.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.804	4.754	4.854	223	220	8.28
COLUMN 1	2	4.823	4.773	4.873	225		
	3	4.879	4.829	4.929	220		
	4	5	4.95	5.05	220		
	5	5.258	5.208	5.308	210		
	1	4.791	4.741	4.841	245		
COLUMN 2	2	4.811	4.761	4.861	249	239	
	3	4.987	4.937	5.037	240		
	4	5.028	4.978	5.078	230		
	5	5.242	5.192	5.292	230		
Aroclor-1260	1	6.302	6.252	6.352	214	205	16.55
COLUMN 1	2	6.491	6.441	6.541	224		
	3	6.86	6.81	6.91	200		
	4	7.12	7.07	7.17	187		
	5	7.361	7.311	7.411	200		
	1	6.276	6.226	6.326	243		
COLUMN 2	2	6.463	6.413	6.513	258	242	
	3	6.617	6.567	6.667	246		
	4	7.089	7.039	7.139	220		
	5	7.329	7.279	7.379	241		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-VSL-07-121224MSI

Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab Sample ID: P5306-01MSD Date(s) Analyzed: 12/18/2024 12/18/2024

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 PO108633.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.803	4.753	4.853	209	210	8.66
COLUMN 1	2	4.823	4.773	4.873	213		
	3	4.878	4.828	4.928	212		
	4	5	4.95	5.05	211		
	5	5.258	5.208	5.308	204		
	1	4.791	4.741	4.841	233		
COLUMN 2	2	4.811	4.761	4.861	235	229	
	3	4.987	4.937	5.037	230		
	4	5.028	4.978	5.078	223		
	5	5.242	5.192	5.292	224		
Aroclor-1260	1	6.302	6.252	6.352	204	187	16.22
COLUMN 1	2	6.49	6.44	6.54	201		
	3	6.859	6.809	6.909	173		
	4	7.119	7.069	7.169	178		
	5	7.361	7.311	7.411	178		
	1	6.276	6.226	6.326	230		
COLUMN 2	2	6.463	6.413	6.513	226	220	
	3	6.617	6.567	6.667	229		
	4	7.09	7.04	7.14	206		
	5	7.328	7.278	7.378	208		



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:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB165703BL	SDG No.:	P5306
Lab Sample ID:	PB165703BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108625.D	1	12/18/24 08:10	12/18/24 16:18	PB165703

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	19.5		44 - 130		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		60 - 125		110%	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\PO121824\
Data File : PO108625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:18
Operator : YP/AJ
Sample : PB165703BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165703BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:49:39 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...	3.706	3.704	164.1E6	98982322	18.860	19.526
2) SA Decachlor...	8.776	8.725	140.0E6	85340656	19.173	22.024

Target Compounds

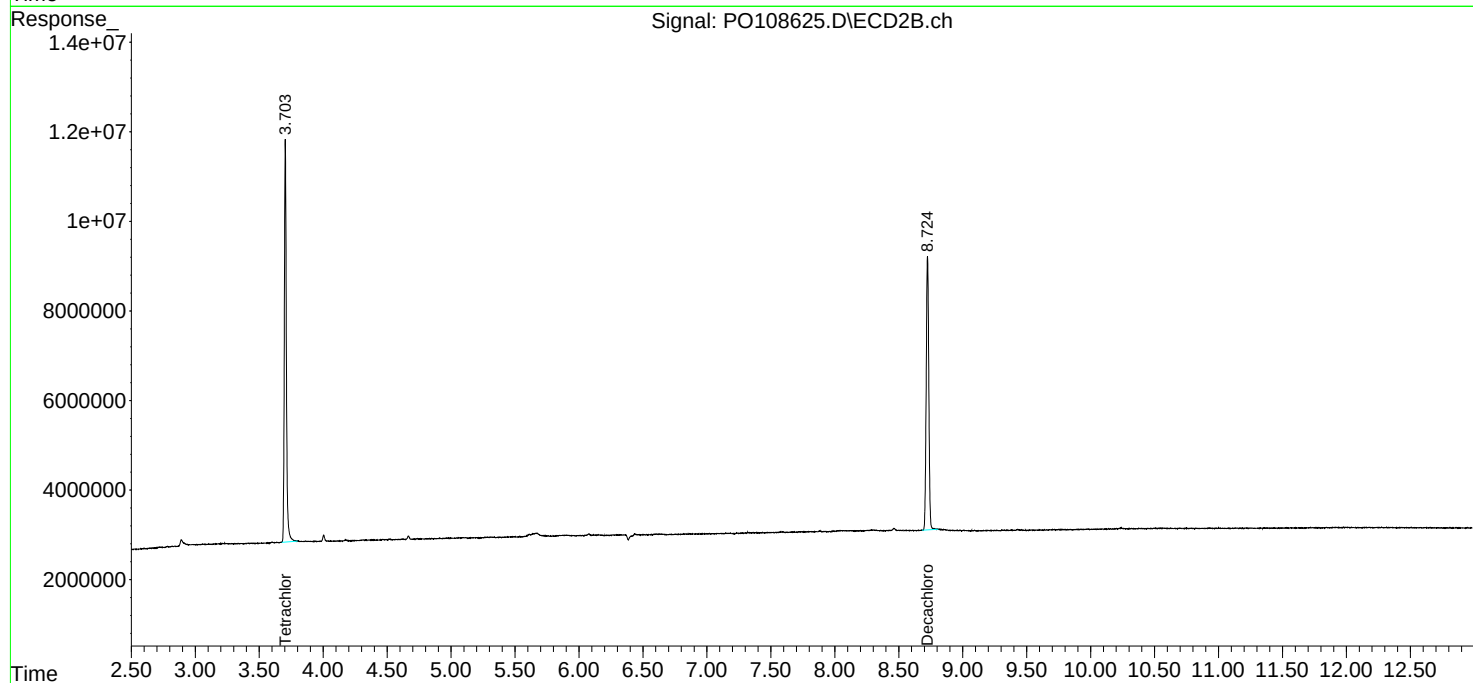
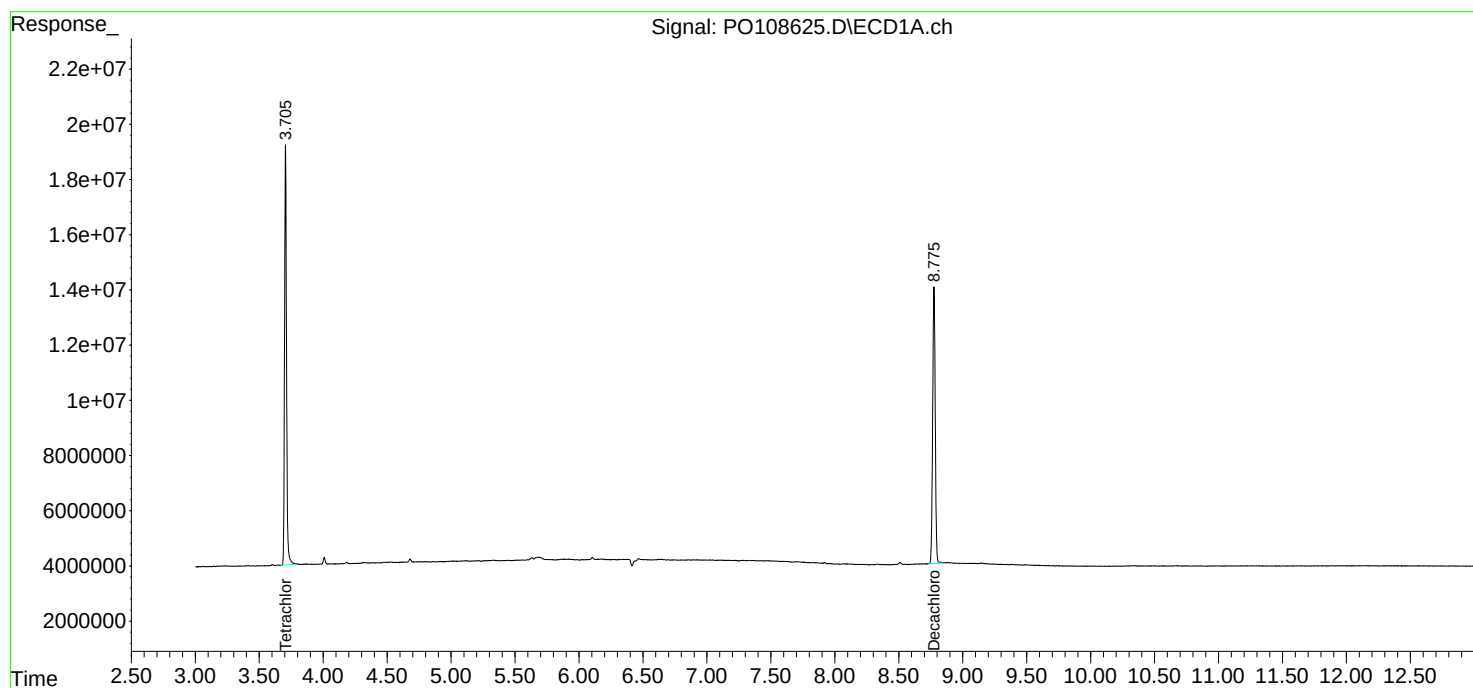
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

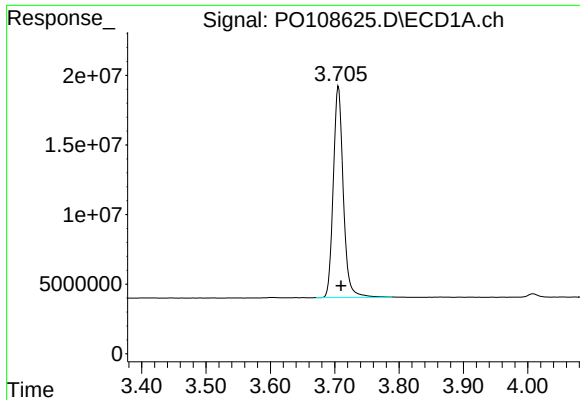
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:18
Operator : YP/AJ
Sample : PB165703BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165703BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:49:39 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

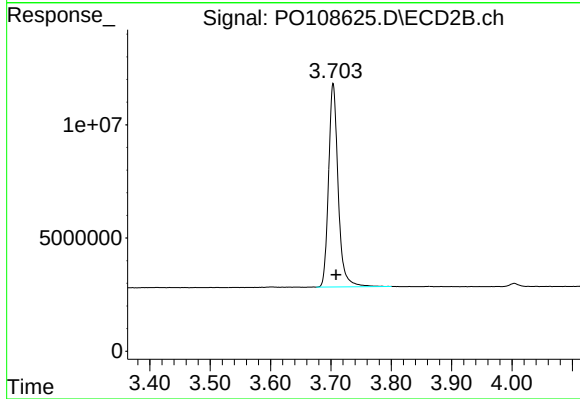




#1 Tetrachloro-m-xylene

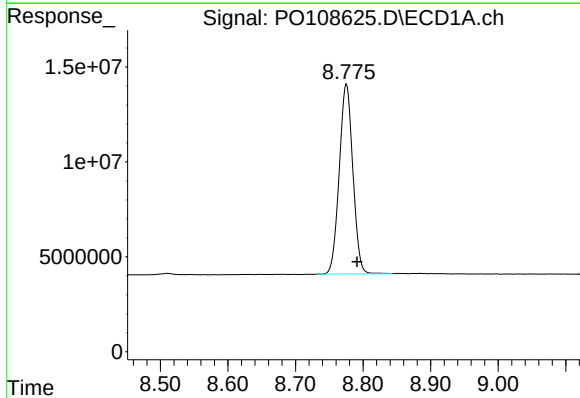
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 164082142
Conc: 18.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165703BL



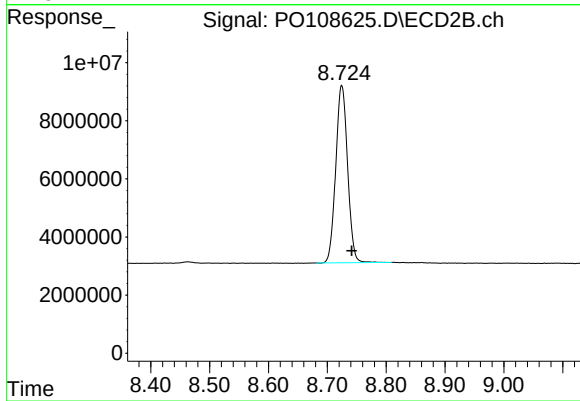
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 98982322
Conc: 19.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.015 min
Response: 140044599
Conc: 19.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.017 min
Response: 85340656
Conc: 22.02 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/06/24
Project:	Raymark Superfund Site	Date Received:	12/06/24
Client Sample ID:	PIBLK-PO108361.D	SDG No.:	P5306
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 :	
PH :			
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

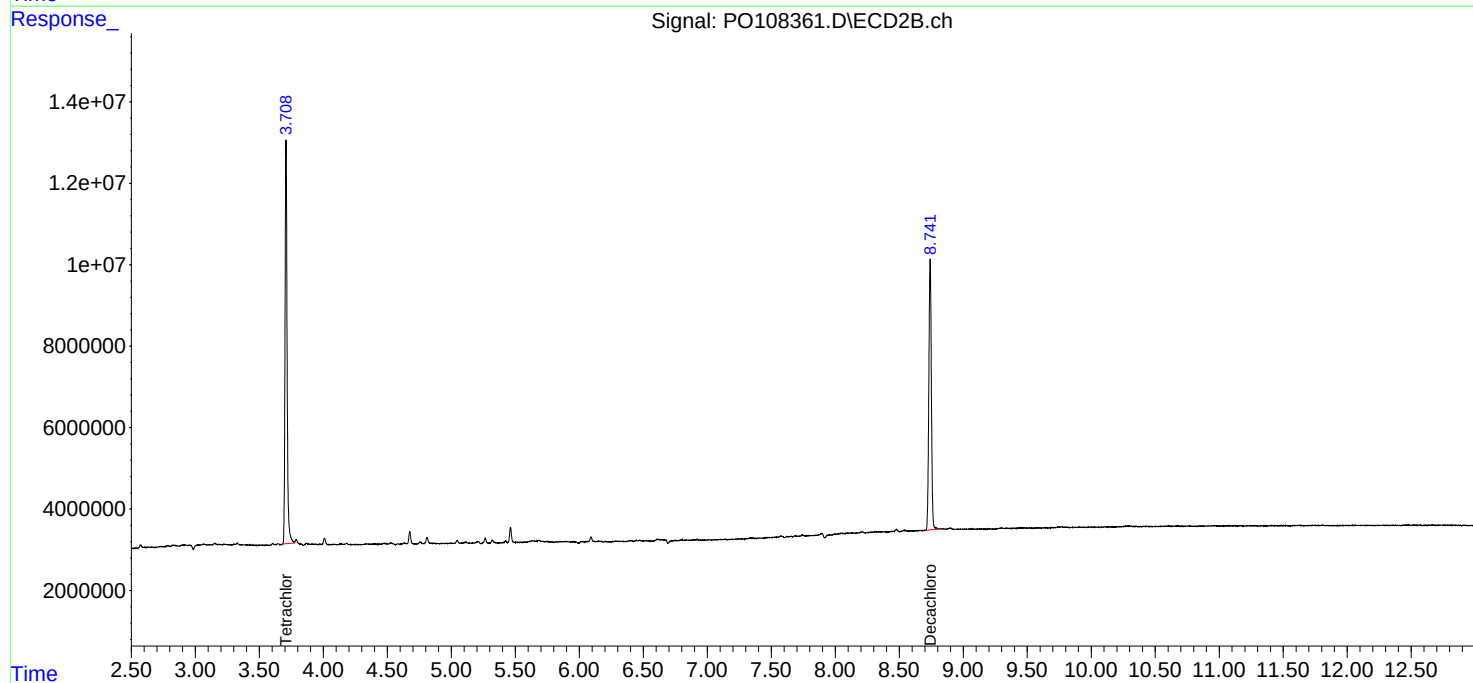
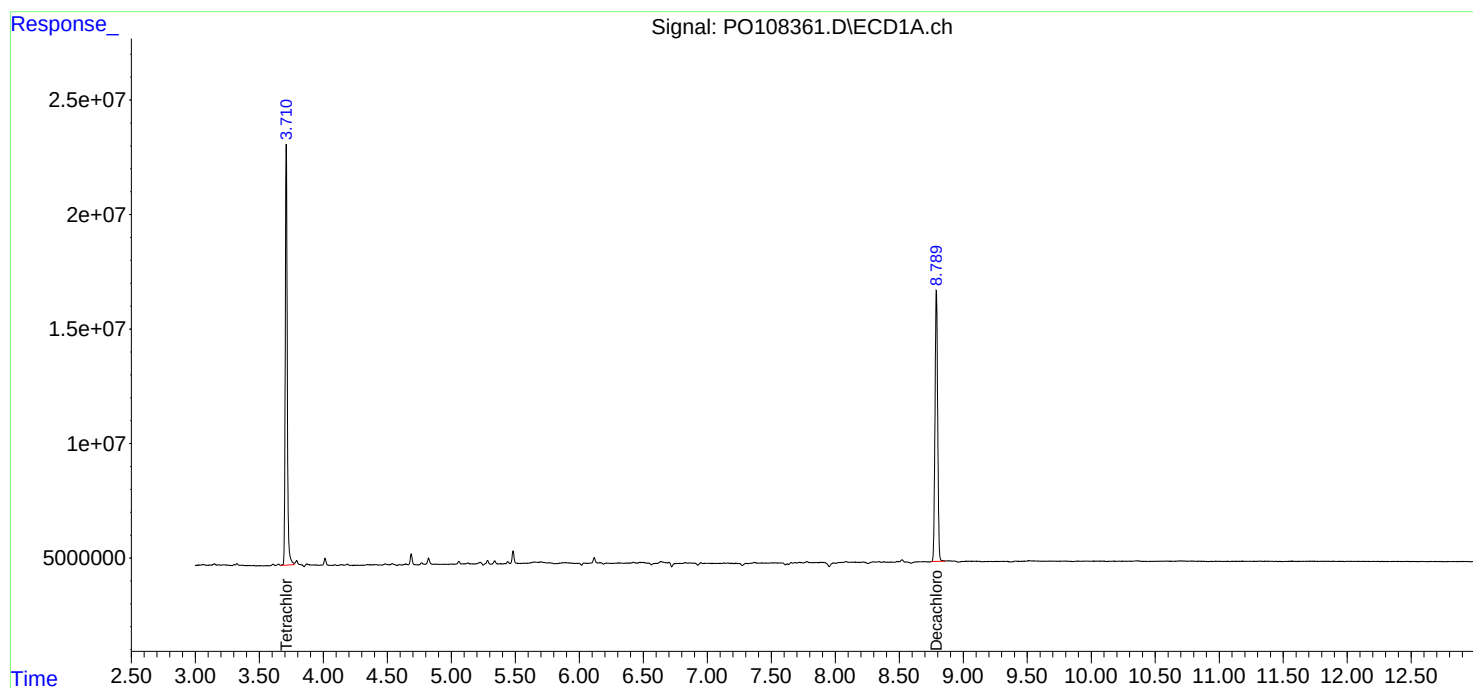
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

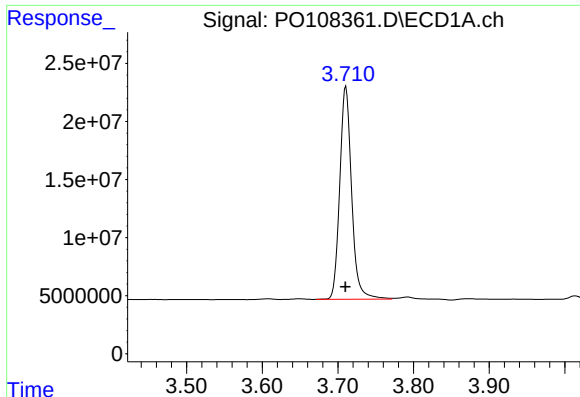
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:01
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

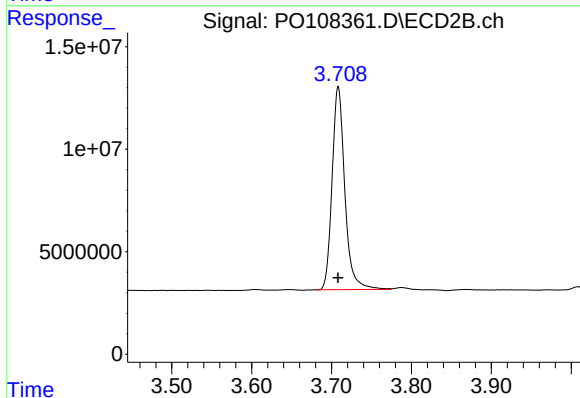




#1 Tetrachloro-m-xylene

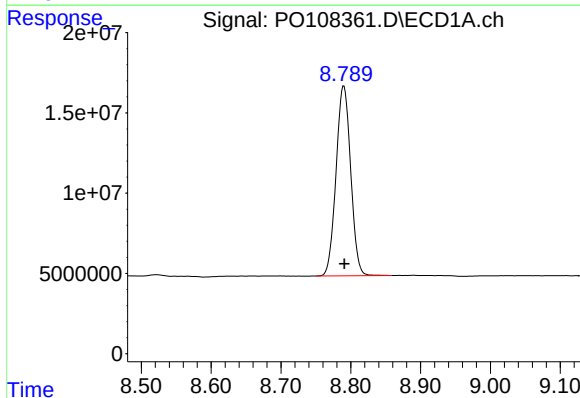
R.T.: 3.711 min
Delta R.T.: 0.000 min
Response: 199870010
Conc: 22.97 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



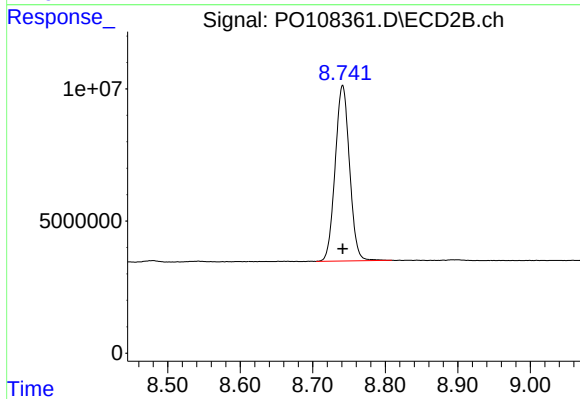
#1 Tetrachloro-m-xylene

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:	Nobis Group	Date Collected:	12/18/24
Project:	Raymark Superfund Site	Date Received:	12/18/24
Client Sample ID:	PIBLK-PO108624.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PO108624.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
PO108624.D	1		12/18/24	PO121824

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	20.4		60 - 140		102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140		101%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 15:59
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 19 03:49:21 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...	3.706	3.704	177.4E6	108.2E6	20.394	21.337
2) SA Decachlor...	8.775	8.725	147.6E6	90667416	20.209	23.399

Target Compounds

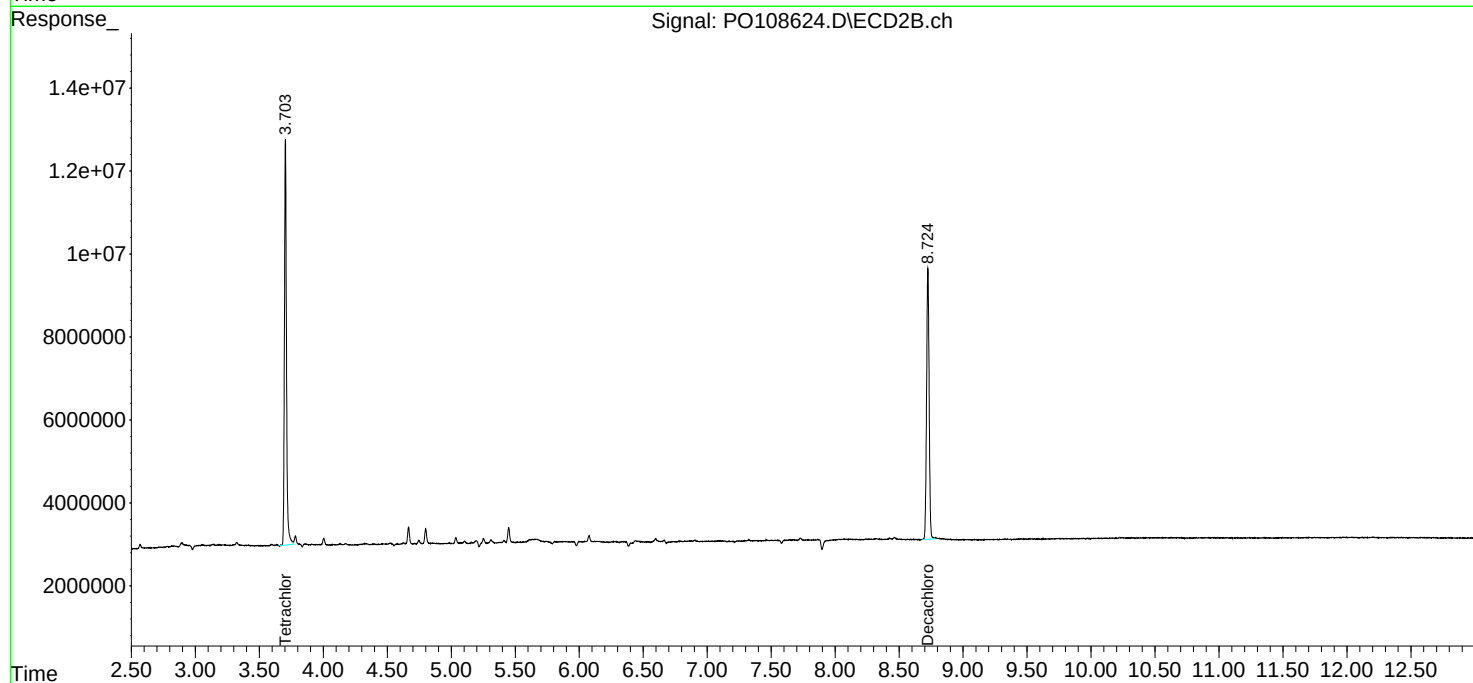
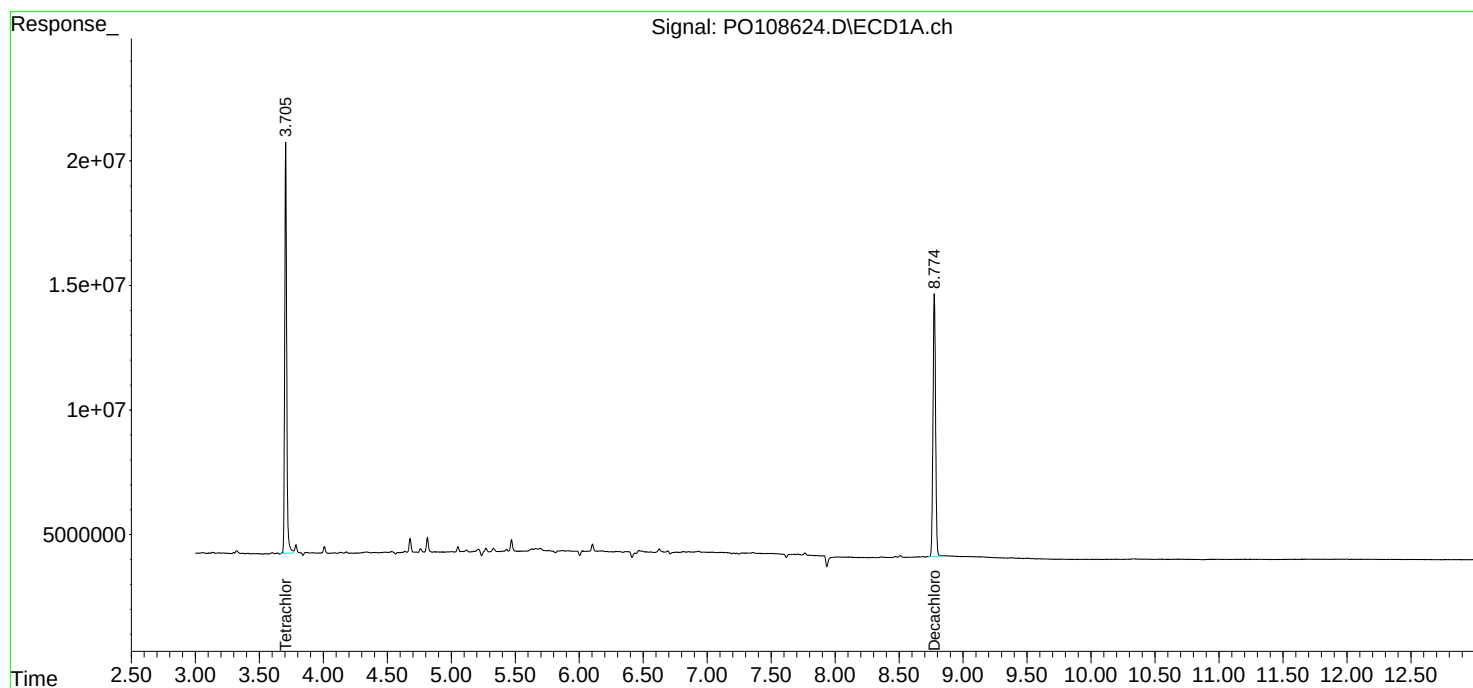
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

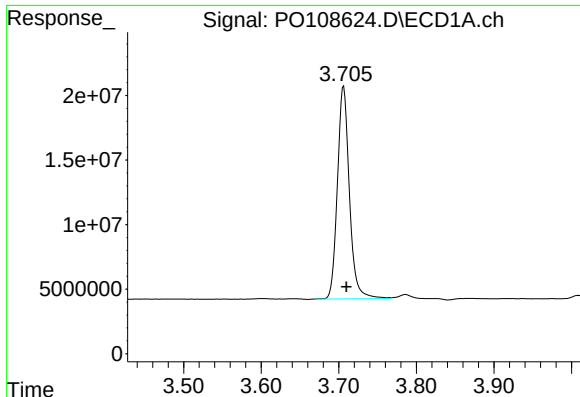
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 15:59
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:49:21 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

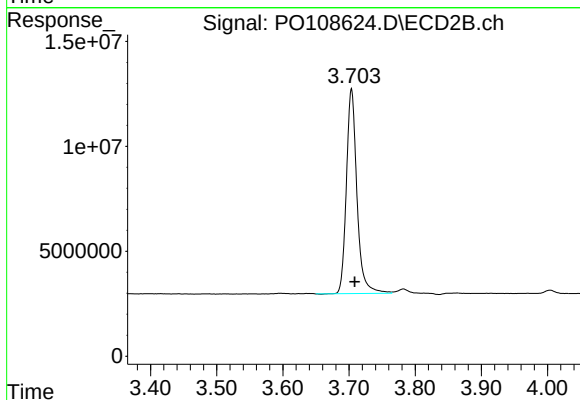




#1 Tetrachloro-m-xylene

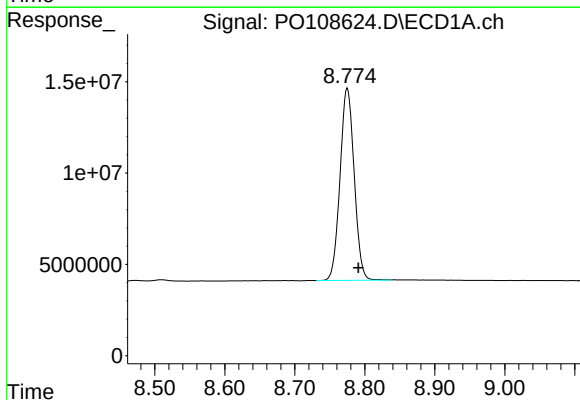
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 177427742
Conc: 20.39 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



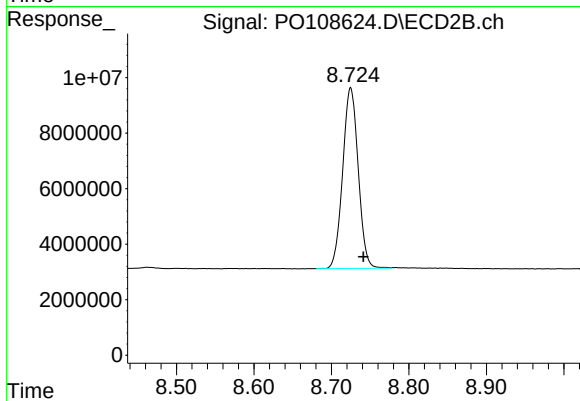
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 108165677
Conc: 21.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 147611516
Conc: 20.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.017 min
Response: 90667416
Conc: 23.40 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/18/24
Project:	Raymark Superfund Site	Date Received:	12/18/24
Client Sample ID:	PIBLK-PO108639.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PO108639.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 :	
PH :			
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108639.D	1		12/18/24	PO121824

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	20.5		60 - 140		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 140		102%	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\PO121824\
Data File : PO108639.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 21:17
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 19 03:53:47 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...	3.707	3.704	178.5E6	109.0E6	20.522	21.504
2)	SA Decachlor...	8.775	8.725	148.5E6	93447030	20.328	24.116

Target Compounds

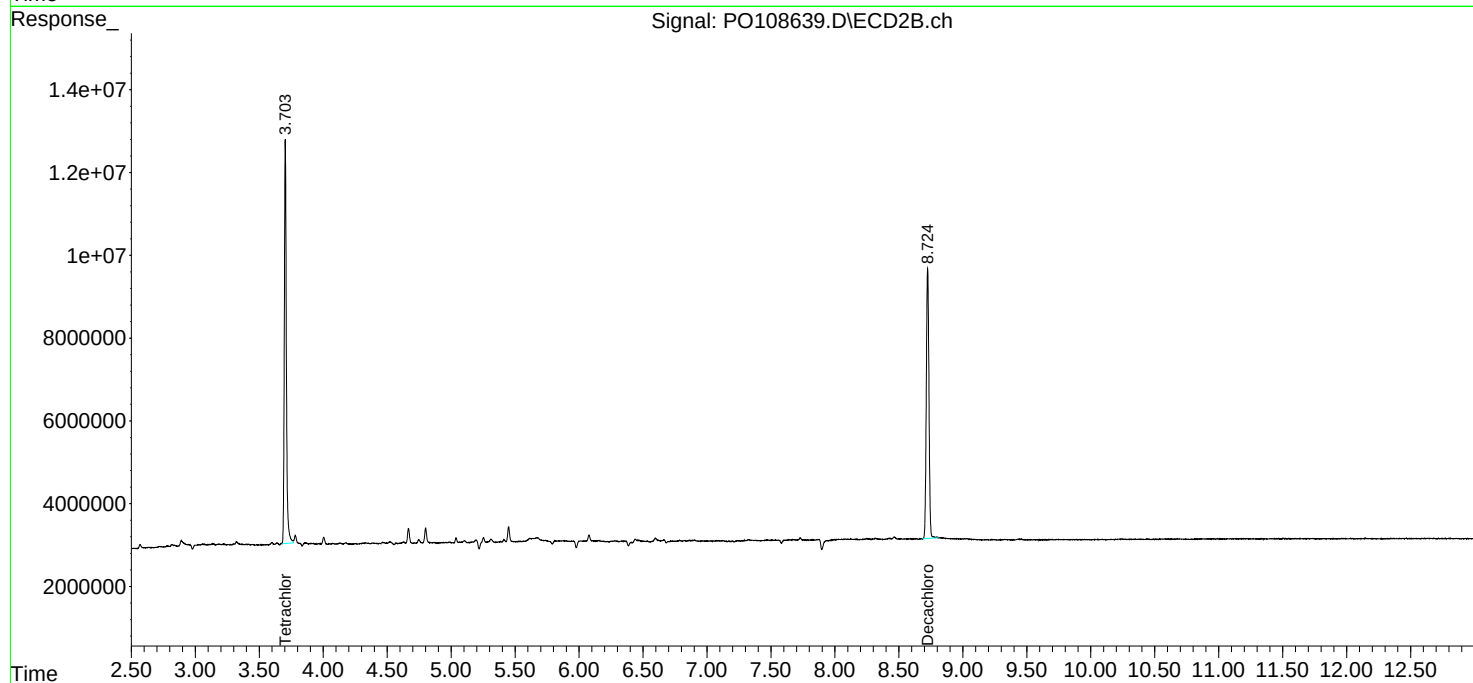
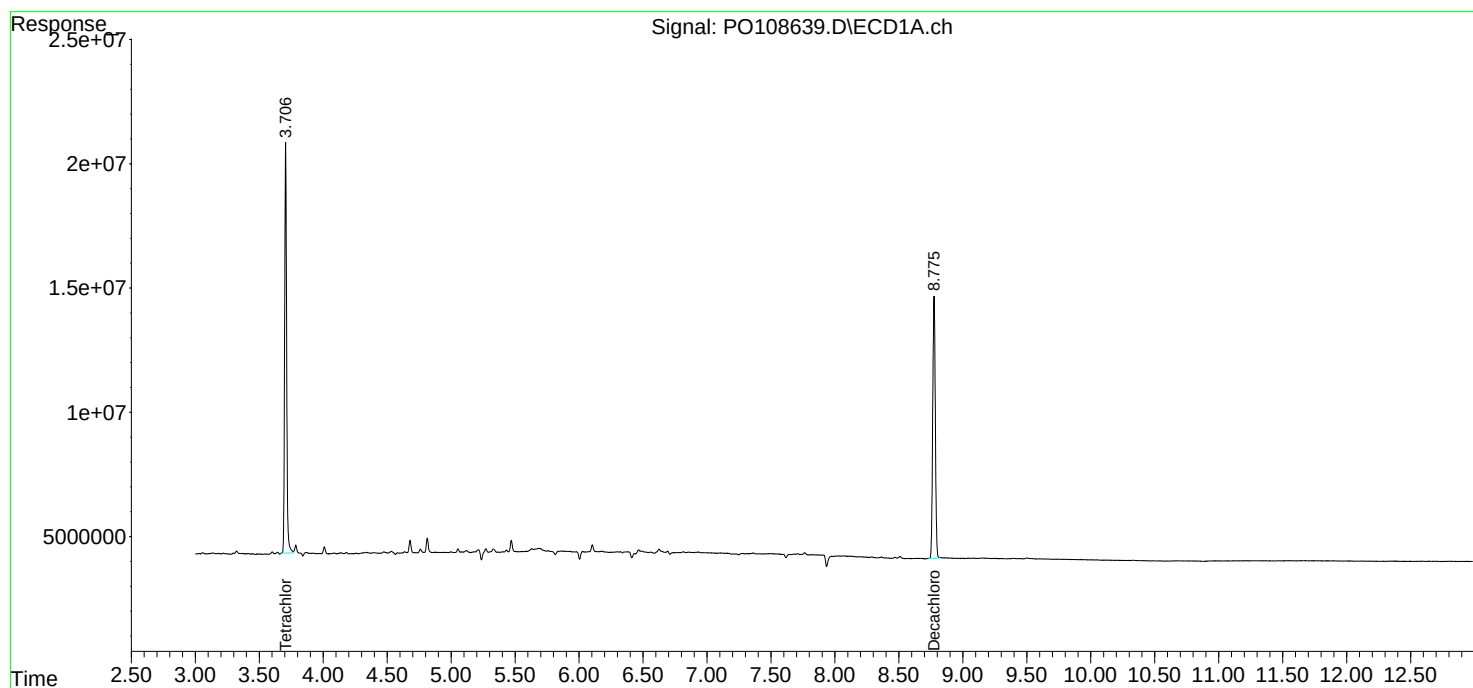
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

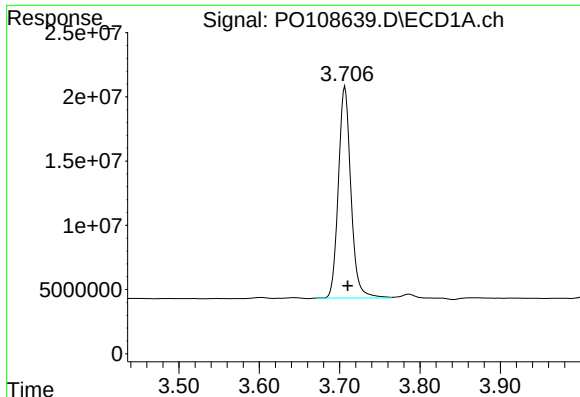
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108639.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 21:17
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:53:47 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

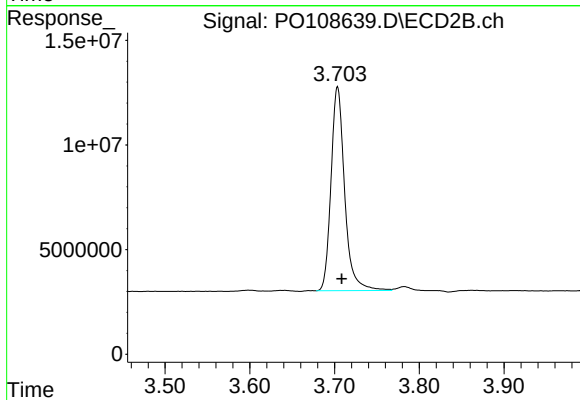




#1 Tetrachloro-m-xylene

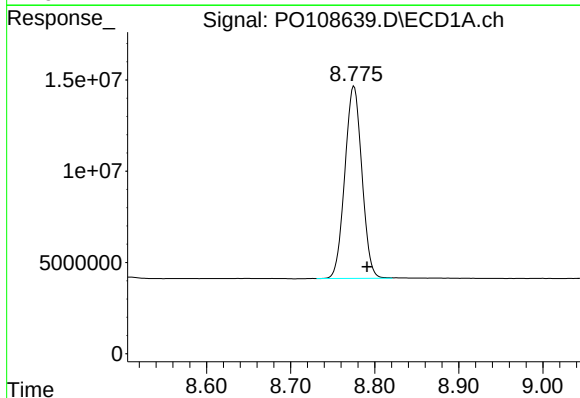
R.T.: 3.707 min
Delta R.T.: -0.003 min
Response: 178543969
Conc: 20.52 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



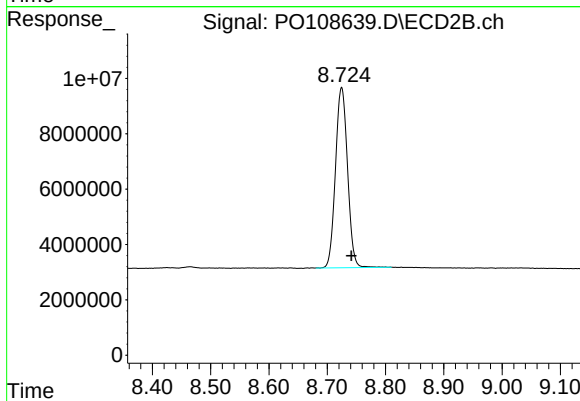
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 109013192
Conc: 21.50 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 148479447
Conc: 20.33 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.017 min
Response: 93447030
Conc: 24.12 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/19/24
Project:	Raymark Superfund Site	Date Received:	12/19/24
Client Sample ID:	PIBLK-PO108653.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PO108653.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
PO108653.D	1		12/19/24	PO121824

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	20.6		60 - 140		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140		102%	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\PO121824\
Data File : PO108653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 02:16
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 19 03:57:55 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...	3.706	3.704	179.3E6	109.2E6	20.609	21.536
2) SA Decachlor...	8.774	8.725	149.0E6	93150984	20.398	24.039

Target Compounds

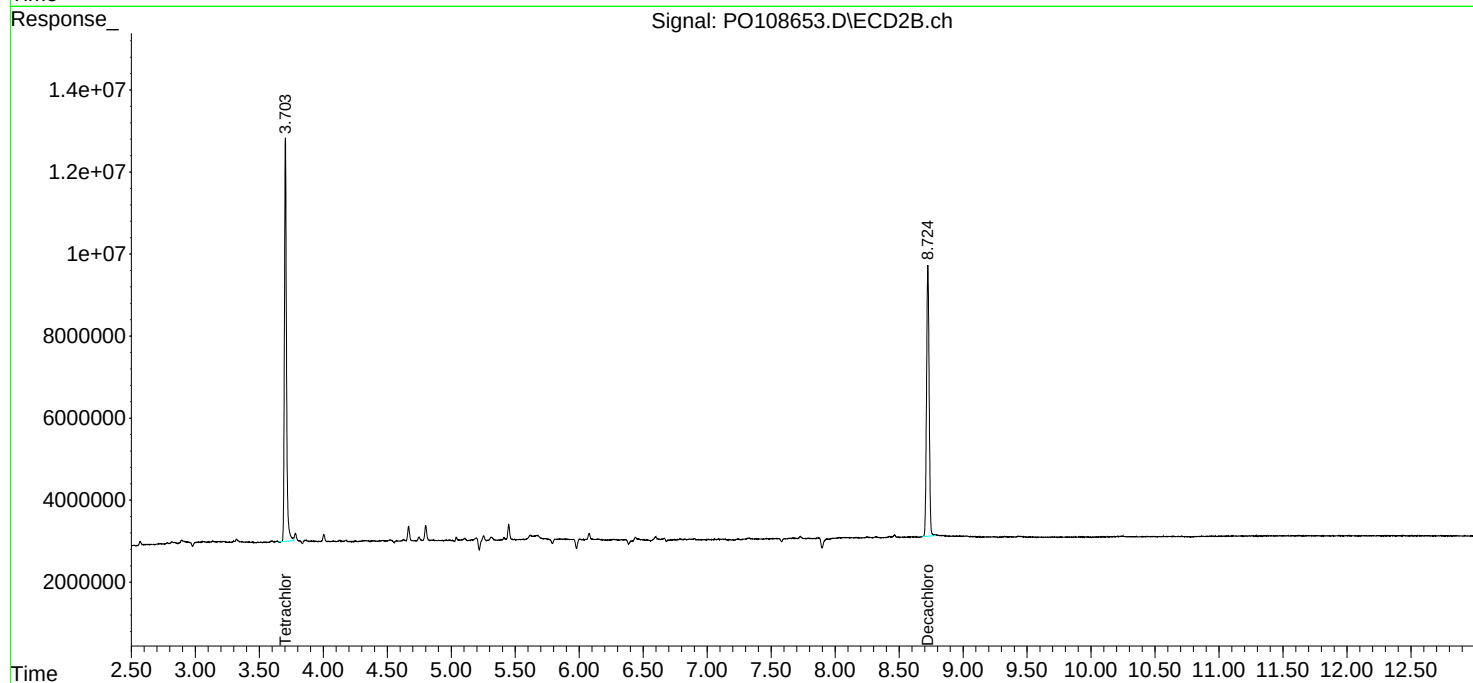
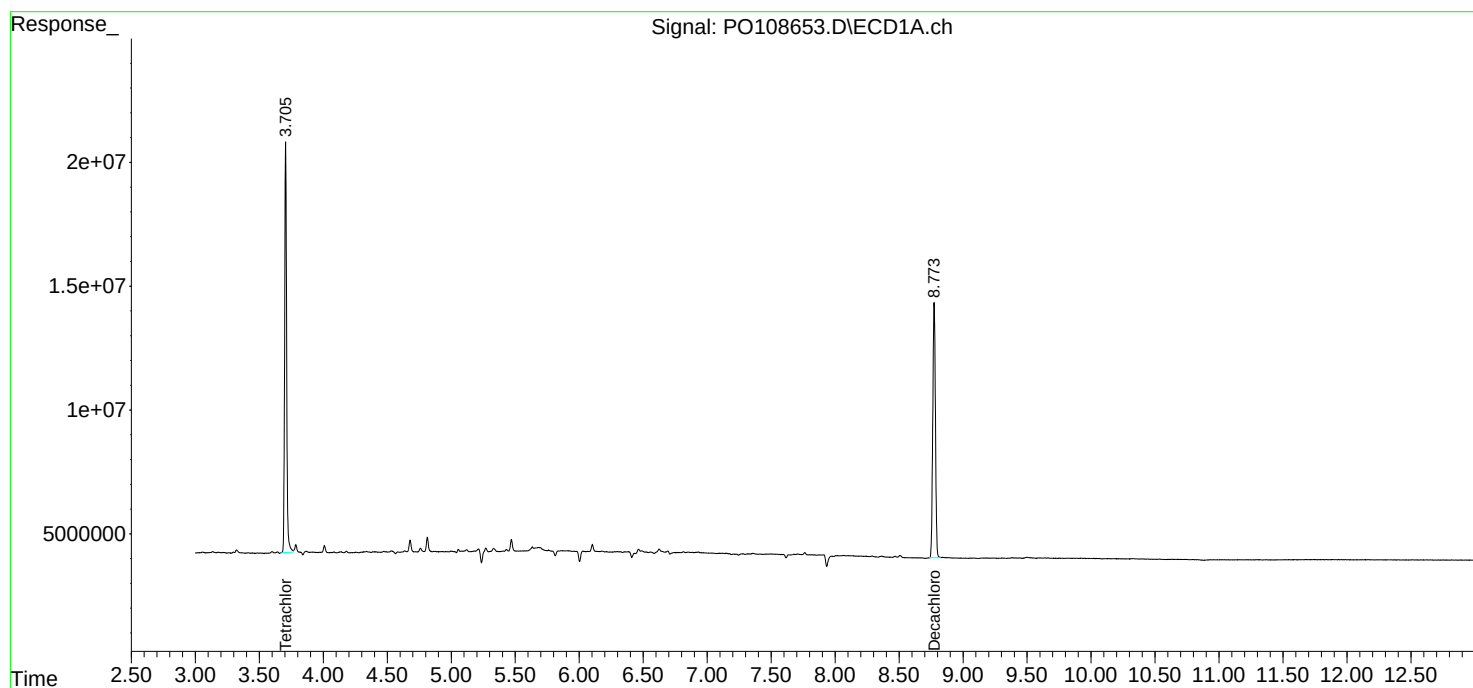
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

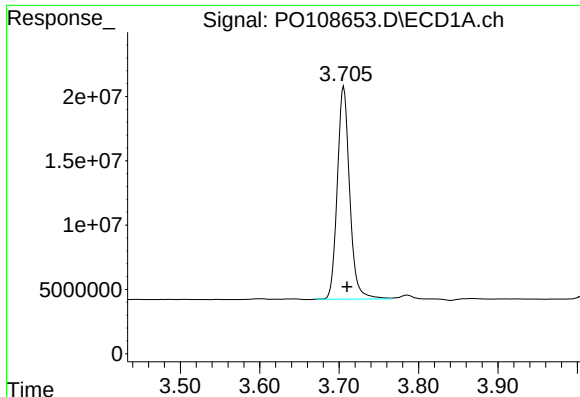
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 02:16
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:57:55 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

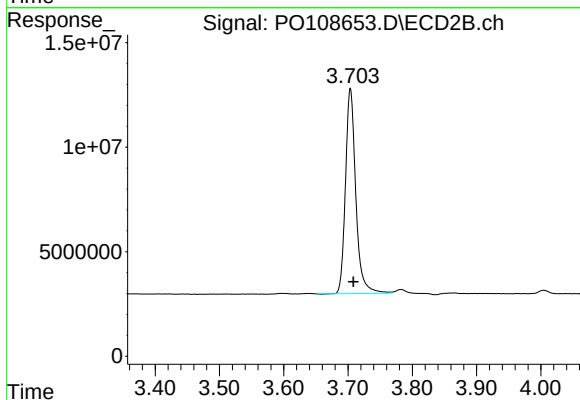




#1 Tetrachloro-m-xylene

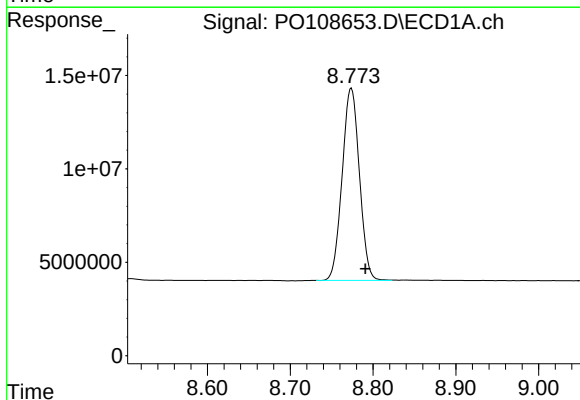
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 179304226
Conc: 20.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
I.BLK



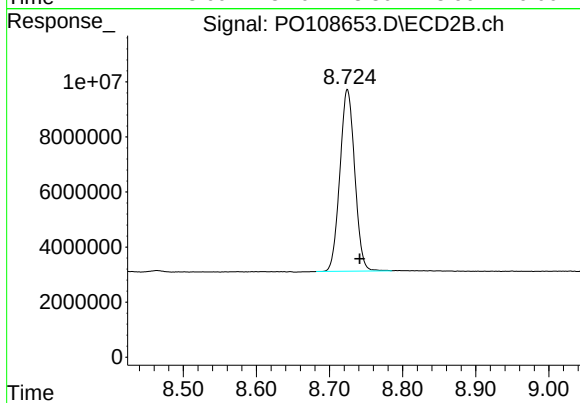
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 109172939
Conc: 21.54 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.774 min
Delta R.T.: -0.017 min
Response: 148989414
Conc: 20.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.017 min
Response: 93150984
Conc: 24.04 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB165703BS	SDG No.:	P5306
Lab Sample ID:	PB165703BS	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
PO108626.D	1	12/18/24 08:10	12/18/24 16:36	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	159		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	165		2.90	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.4		44 - 130		92%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.3		60 - 125		112%	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\PO121824\
Data File : PO108626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:36
Operator : YP/AJ
Sample : PB165703BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165703BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:49:58 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...	3.706	3.704	154.3E6	93096265	17.737	18.364
2) SA Decachlor...	8.775	8.725	140.7E6	86577818	19.263	22.343
Target Compounds						
3) L1 AR-1016-1	4.803	4.791	136.0E6	77798893	441.051	484.806
4) L1 AR-1016-2	4.823	4.810	187.8E6	108.7E6	449.913	489.289
5) L1 AR-1016-3	4.878	4.986	128.9E6	60025100	440.619	477.020
6) L1 AR-1016-4	5.000	5.027	101.9E6	49552079	440.715	472.799
7) L1 AR-1016-5	5.258	5.241	107.5E6	62564735	427.252	462.719
31) L7 AR-1260-1	6.301	6.276	206.5E6	119.1E6	451.755	509.079
32) L7 AR-1260-2	6.490	6.462	255.4E6	144.4E6	459.667	514.713
33) L7 AR-1260-3	6.858	6.616	181.9E6	135.1E6	392.381	512.425 #
34) L7 AR-1260-4	7.119	7.089	170.3E6	98041604	400.446	460.830
35) L7 AR-1260-5	7.361	7.328	394.2E6	228.5E6	405.568	472.201

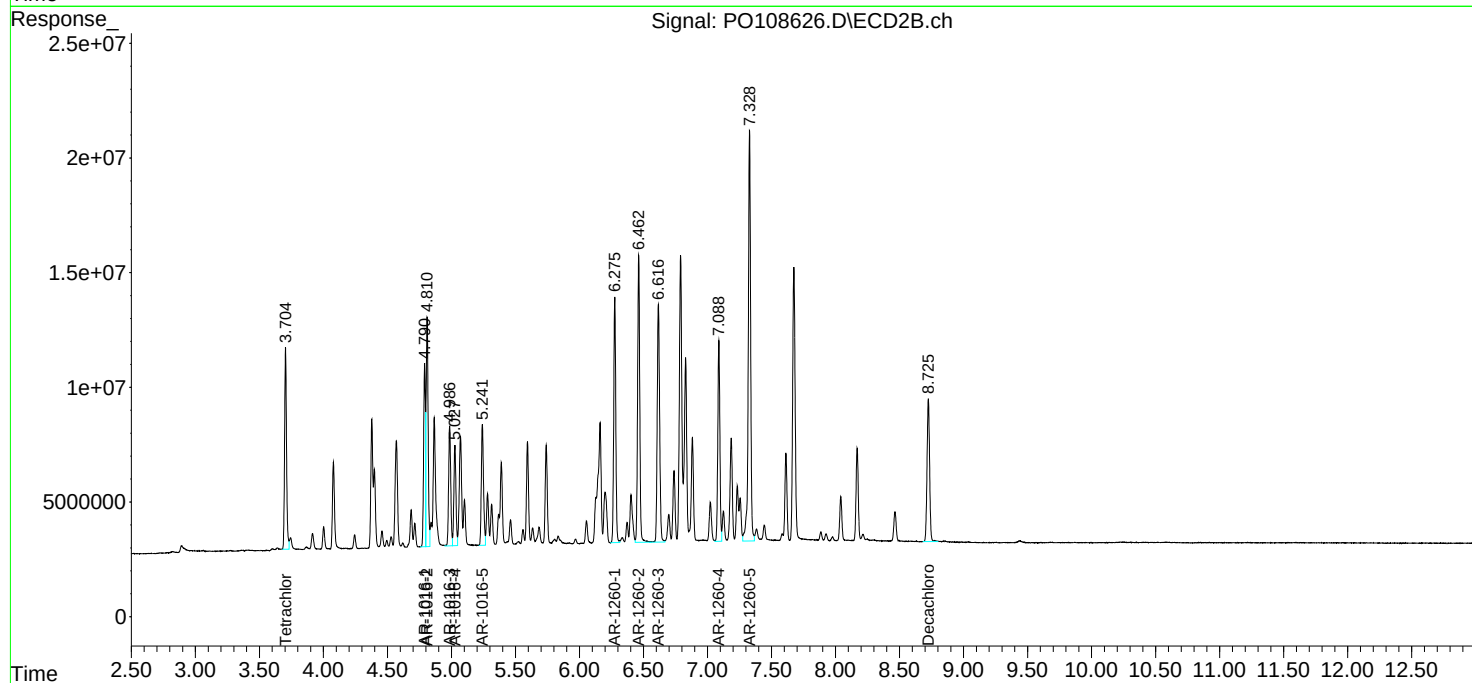
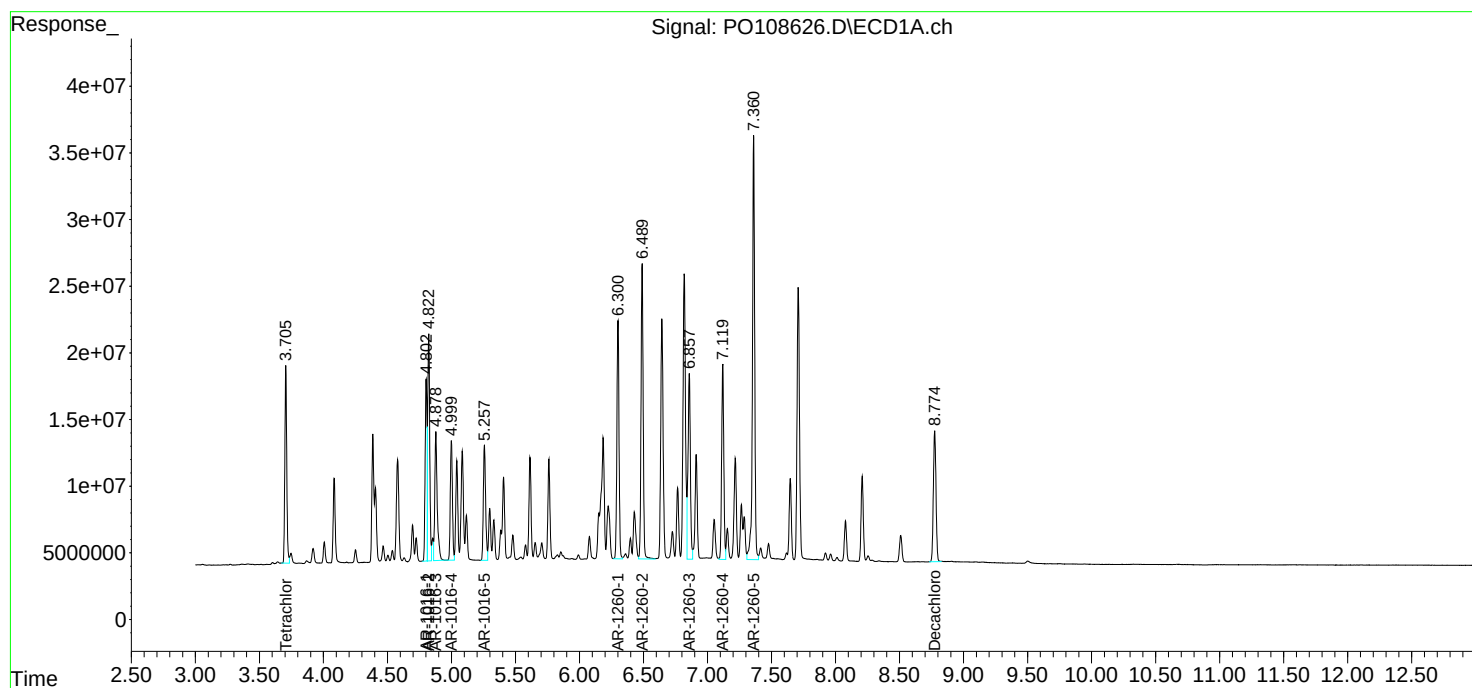
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

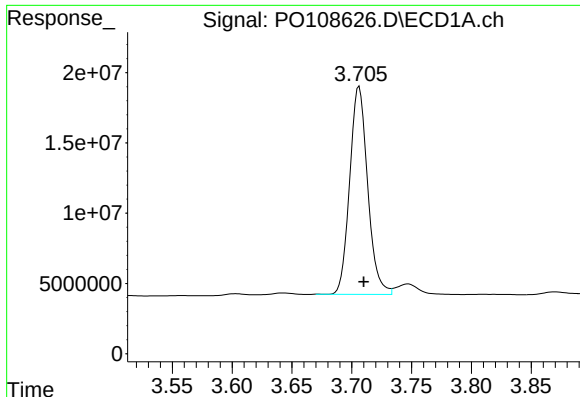
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:36
Operator : YP/AJ
Sample : PB165703BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165703BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:49:58 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

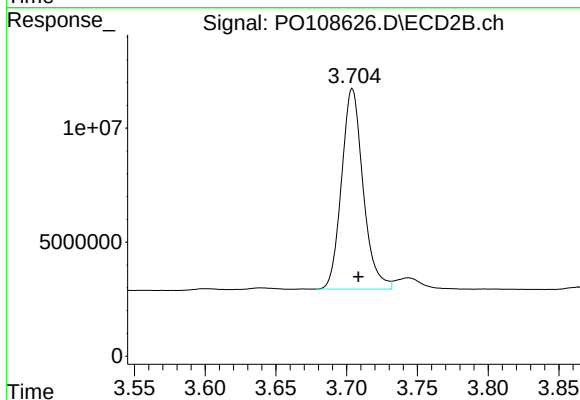




#1 Tetrachloro-m-xylene

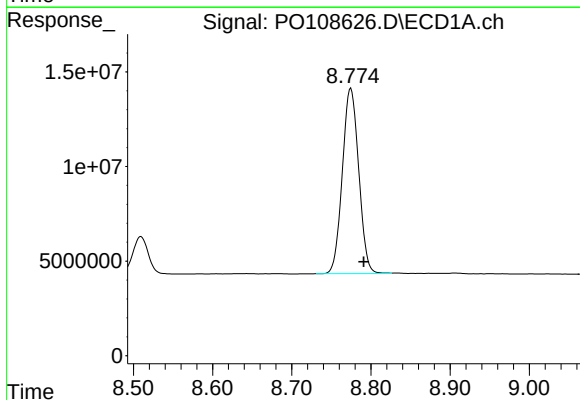
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 154310741
Conc: 17.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165703BS



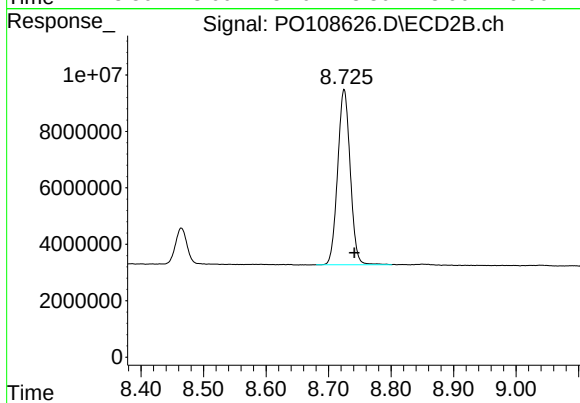
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.004 min
Response: 93096265
Conc: 18.36 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 140697226
Conc: 19.26 ng/ml



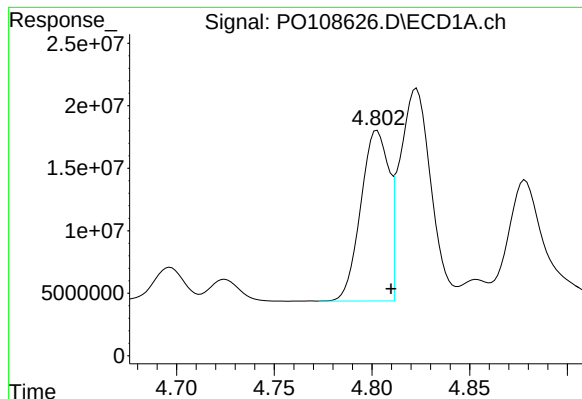
#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.016 min
Response: 86577818
Conc: 22.34 ng/ml

#3 AR-1016-1

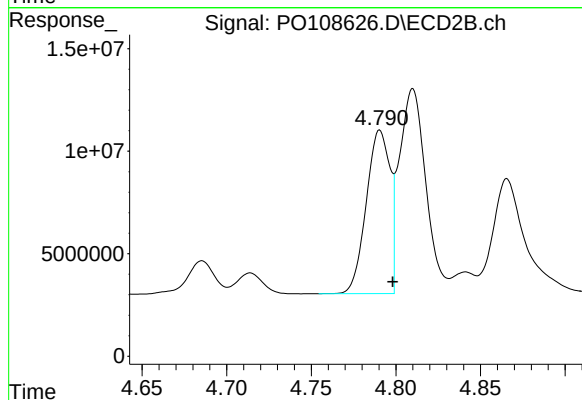
R.T.: 4.803 min
Delta R.T.: -0.007 min
Response: 136039419
Conc: 441.05 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165703BS



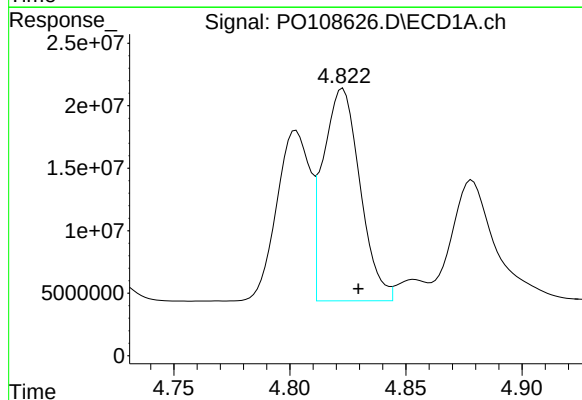
#3 AR-1016-1

R.T.: 4.791 min
Delta R.T.: -0.008 min
Response: 77798893
Conc: 484.81 ng/ml



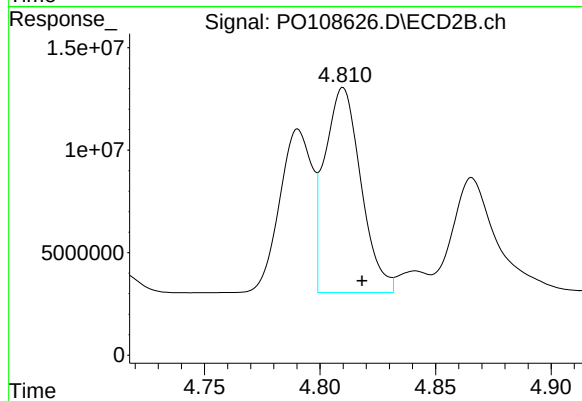
#4 AR-1016-2

R.T.: 4.823 min
Delta R.T.: -0.007 min
Response: 187802377
Conc: 449.91 ng/ml



#4 AR-1016-2

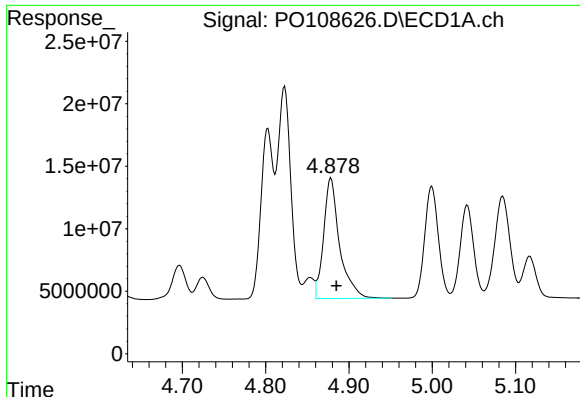
R.T.: 4.810 min
Delta R.T.: -0.008 min
Response: 108667624
Conc: 489.29 ng/ml



#5 AR-1016-3

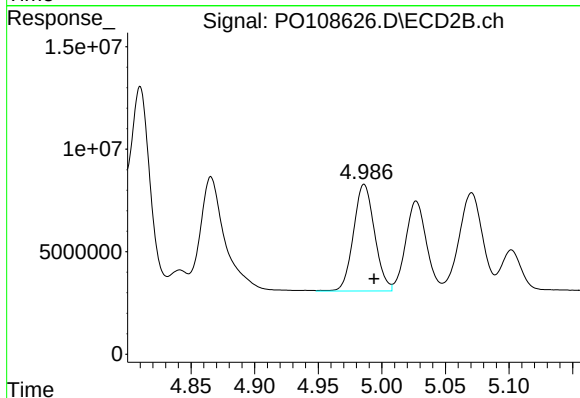
R.T.: 4.878 min
Delta R.T.: -0.006 min
Response: 128938795
Conc: 440.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165703BS



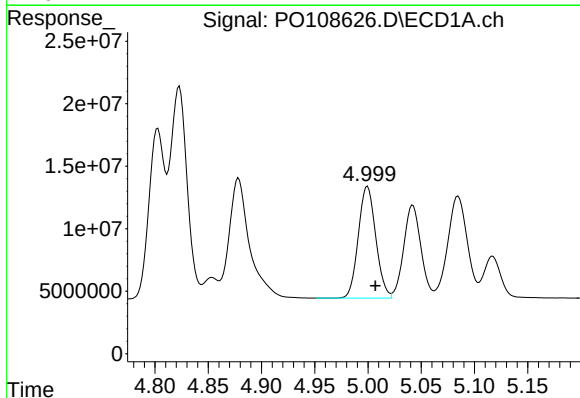
#5 AR-1016-3

R.T.: 4.986 min
Delta R.T.: -0.008 min
Response: 60025100
Conc: 477.02 ng/ml



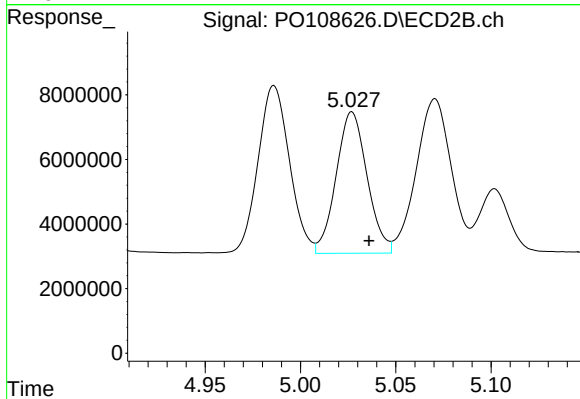
#6 AR-1016-4

R.T.: 5.000 min
Delta R.T.: -0.007 min
Response: 101883122
Conc: 440.71 ng/ml



#6 AR-1016-4

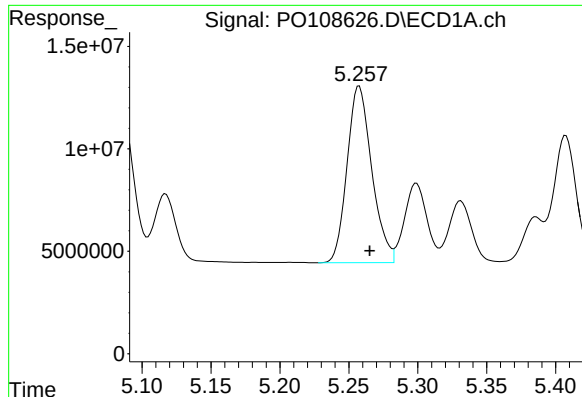
R.T.: 5.027 min
Delta R.T.: -0.009 min
Response: 49552079
Conc: 472.80 ng/ml



#7 AR-1016-5

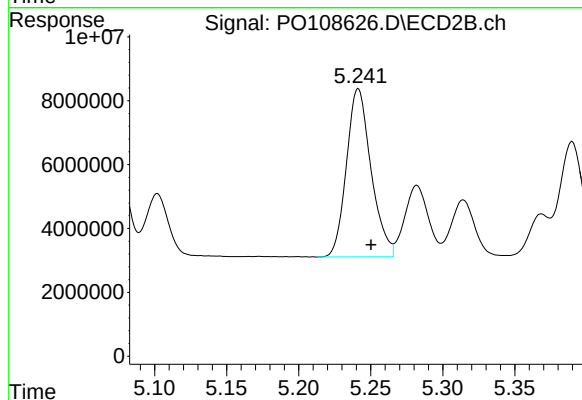
R.T.: 5.258 min
Delta R.T.: -0.008 min
Response: 107526452
Conc: 427.25 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165703BS



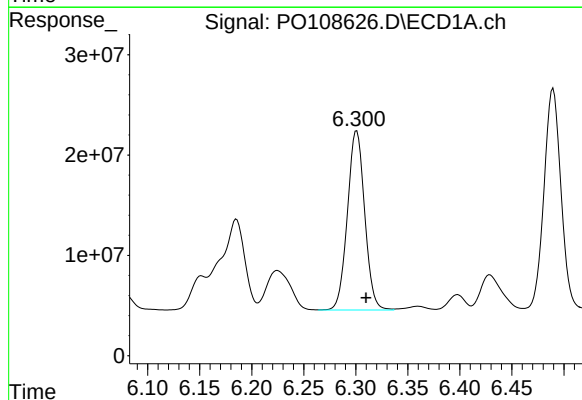
#7 AR-1016-5

R.T.: 5.241 min
Delta R.T.: -0.009 min
Response: 62564735
Conc: 462.72 ng/ml



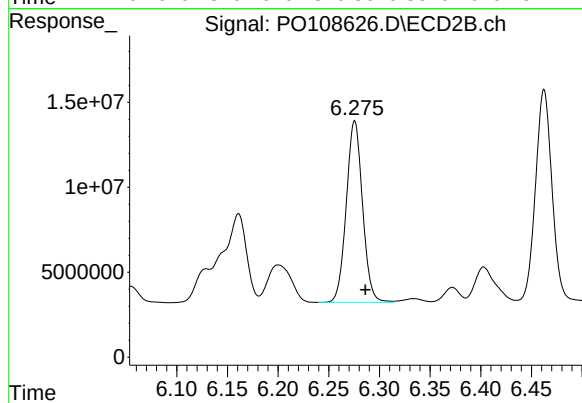
#31 AR-1260-1

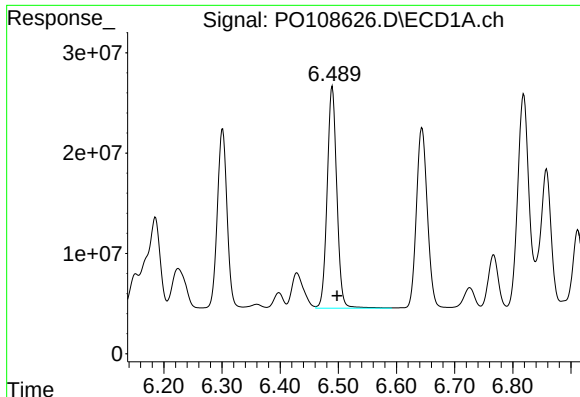
R.T.: 6.301 min
Delta R.T.: -0.009 min
Response: 206517238
Conc: 451.75 ng/ml



#31 AR-1260-1

R.T.: 6.276 min
Delta R.T.: -0.011 min
Response: 119142519
Conc: 509.08 ng/ml

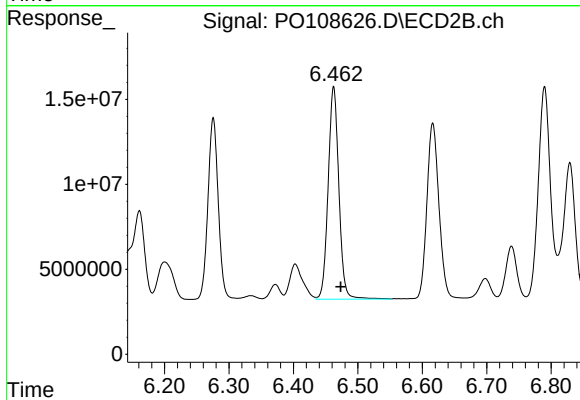




#32 AR-1260-2

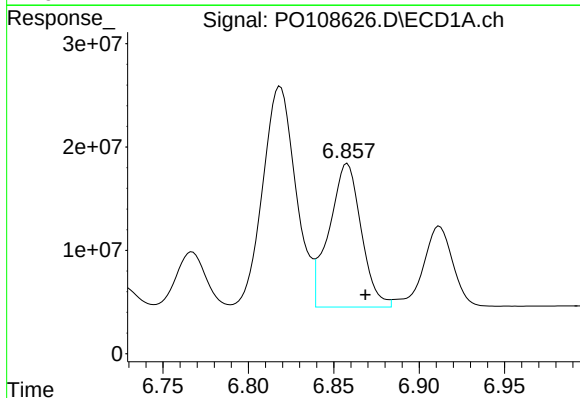
R.T.: 6.490 min
Delta R.T.: -0.008 min
Response: 255445890
Conc: 459.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165703BS



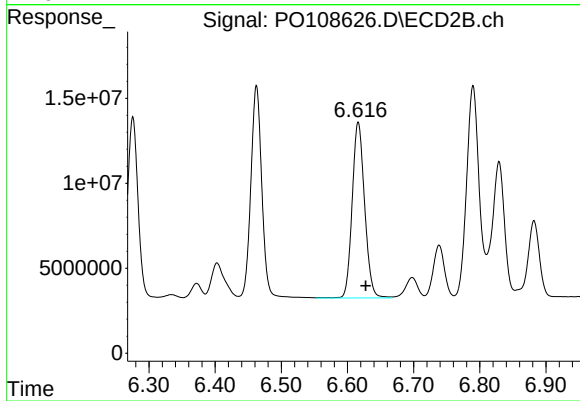
#32 AR-1260-2

R.T.: 6.462 min
Delta R.T.: -0.011 min
Response: 144411748
Conc: 514.71 ng/ml



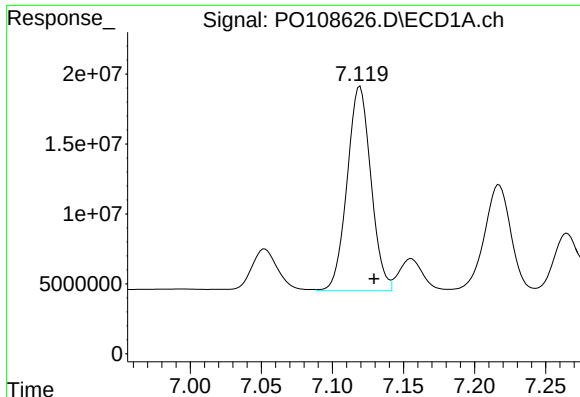
#33 AR-1260-3

R.T.: 6.858 min
Delta R.T.: -0.011 min
Response: 181938526
Conc: 392.38 ng/ml



#33 AR-1260-3

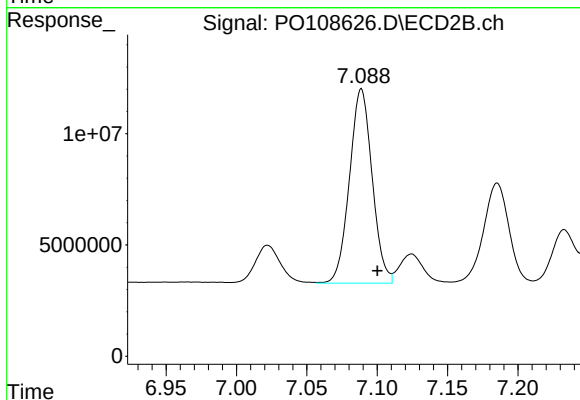
R.T.: 6.616 min
Delta R.T.: -0.011 min
Response: 135058928
Conc: 512.42 ng/ml



#34 AR-1260-4

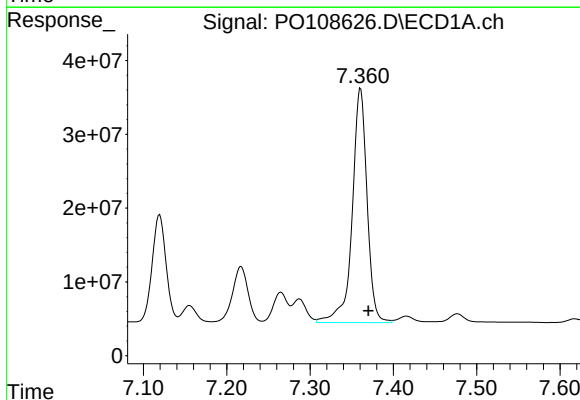
R.T.: 7.119 min
Delta R.T.: -0.010 min
Response: 170325938
Conc: 400.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165703BS



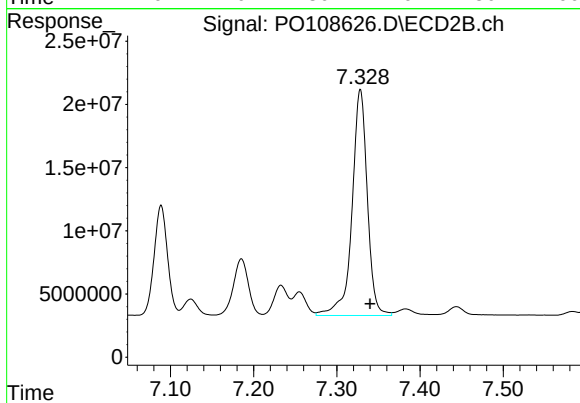
#34 AR-1260-4

R.T.: 7.089 min
Delta R.T.: -0.011 min
Response: 98041604
Conc: 460.83 ng/ml



#35 AR-1260-5

R.T.: 7.361 min
Delta R.T.: -0.009 min
Response: 394164539
Conc: 405.57 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: -0.012 min
Response: 228513722
Conc: 472.20 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224MS	SDG No.:	P5306
Lab Sample ID:	P5306-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8
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
PO108632.D	1	12/18/24 08:10	12/18/24 18:26	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	239		3.70	9.10	18.7	ug/kg
11104-28-2	Aroclor-1221	14.3	U	7.10	14.3	18.7	ug/kg
11141-16-5	Aroclor-1232	14.3	U	3.70	14.3	18.7	ug/kg
53469-21-9	Aroclor-1242	9.10	U	3.70	9.10	18.7	ug/kg
12672-29-6	Aroclor-1248	14.3	U	8.70	14.3	18.7	ug/kg
11097-69-1	Aroclor-1254	14.3	U	3.00	14.3	18.7	ug/kg
37324-23-5	Aroclor-1262	9.10	U	5.00	9.10	18.7	ug/kg
11100-14-4	Aroclor-1268	14.3	U	3.80	14.3	18.7	ug/kg
11096-82-5	Aroclor-1260	242		3.20	9.10	18.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.1		44 - 130		115%	SPK: 20
2051-24-3	Decachlorobiphenyl	27.4	*	60 - 125		137%	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\PO121824\
Data File : PO108632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:26
Operator : YP/AJ
Sample : P5306-01MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:51:44 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...	3.706	3.704	195.3E6	116.9E6	22.447	23.062
2) SA Decachlor...	8.776	8.725	174.0E6	106.1E6	23.818	27.382
Target Compounds						
3) L1 AR-1016-1	4.804	4.791	187.2E6	107.2E6	607.010	668.195
4) L1 AR-1016-2	4.823	4.811	256.3E6	151.1E6	613.985	680.122
5) L1 AR-1016-3	4.879	4.987	175.7E6	82319704	600.572	654.195
6) L1 AR-1016-4	5.000	5.028	138.7E6	65673196	599.939	626.617
7) L1 AR-1016-5	5.258	5.242	144.3E6	84750933	573.556	626.805
31) L7 AR-1260-1	6.302	6.276	266.9E6	155.1E6	583.859	662.701
32) L7 AR-1260-2	6.491	6.463	340.3E6	197.5E6	612.355	703.933
33) L7 AR-1260-3	6.860	6.617	253.5E6	176.9E6	546.711	671.295
34) L7 AR-1260-4	7.120	7.089	216.8E6	127.6E6	509.600	599.953
35) L7 AR-1260-5	7.361	7.329	530.8E6	318.5E6	546.198	658.194

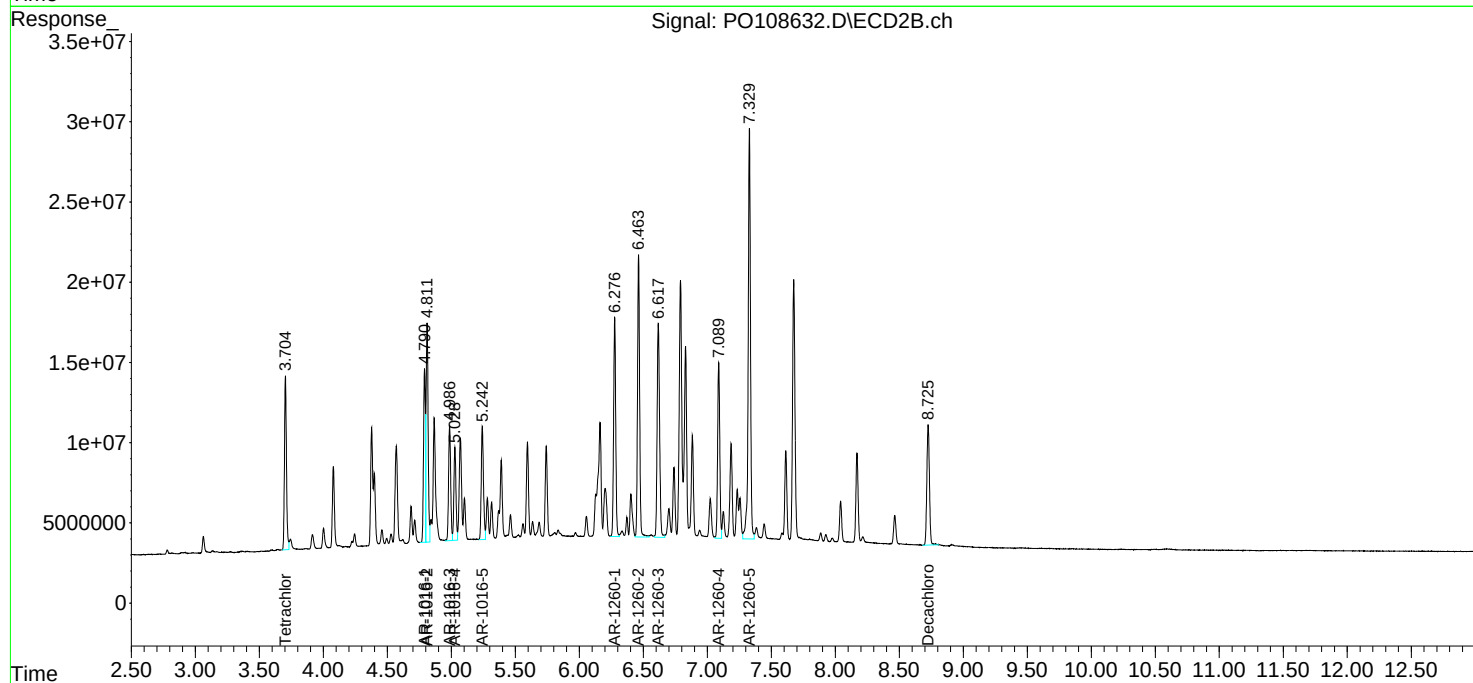
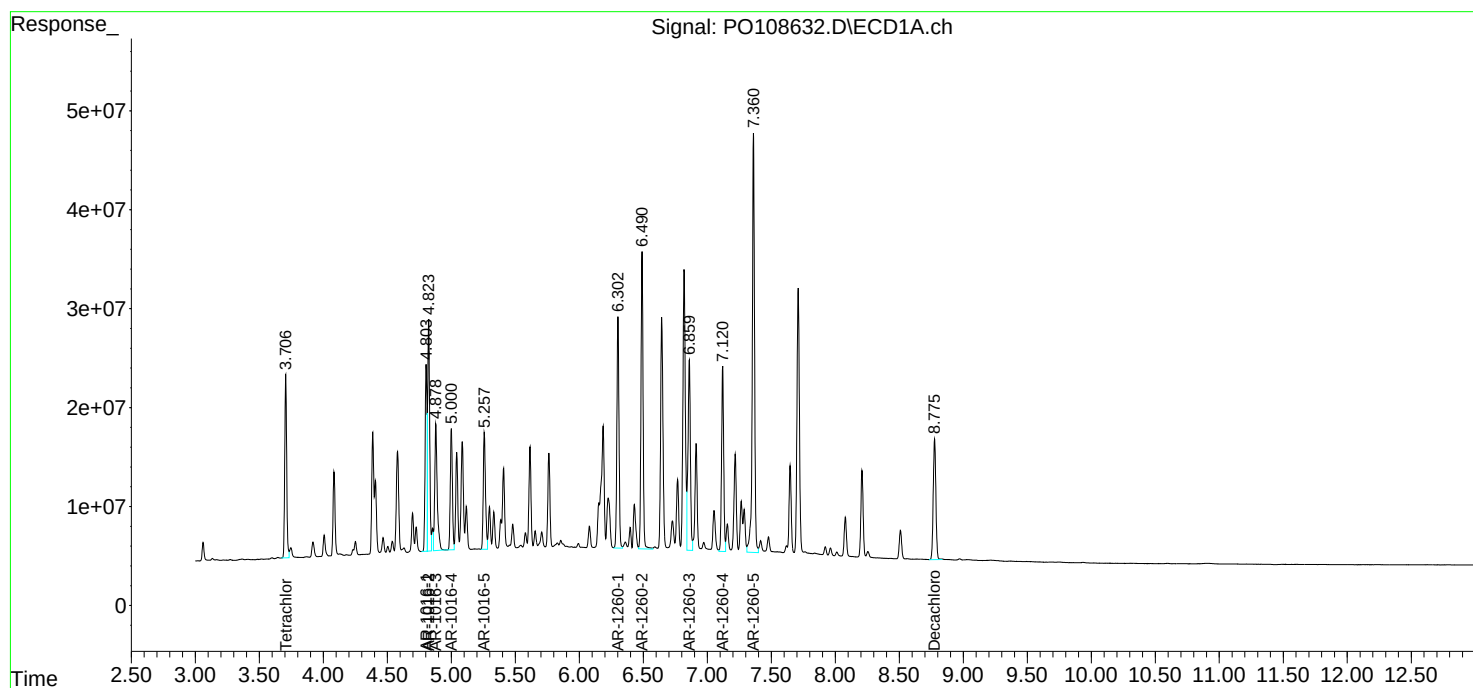
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

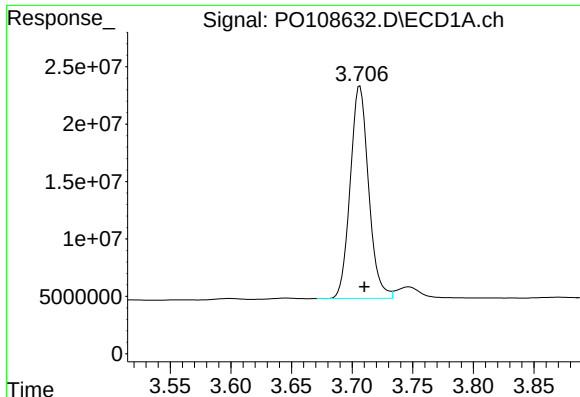
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:26
Operator : YP/AJ
Sample : P5306-01MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:51:44 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

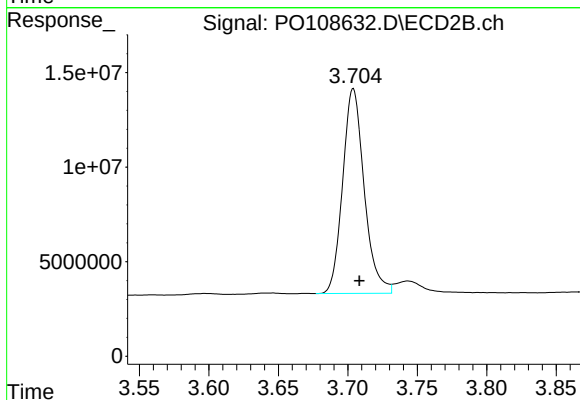




#1 Tetrachloro-m-xylene

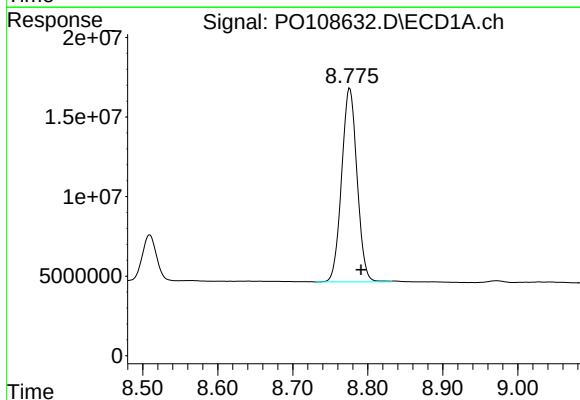
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 195290940
Conc: 22.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS



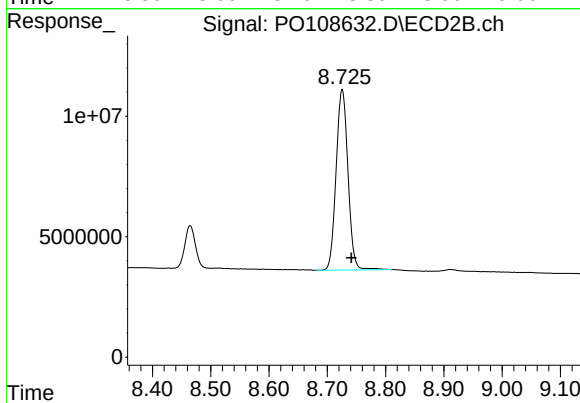
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.004 min
Response: 116911546
Conc: 23.06 ng/ml



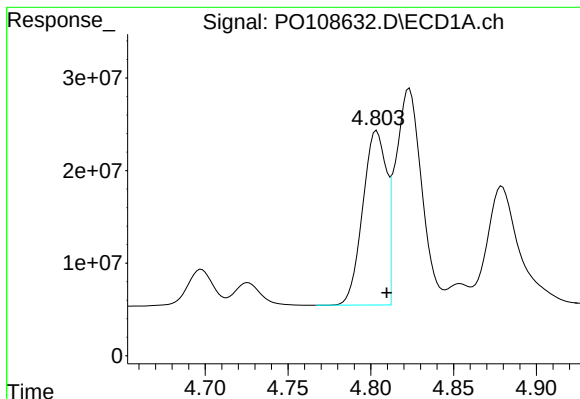
#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.015 min
Response: 173965915
Conc: 23.82 ng/ml



#2 Decachlorobiphenyl

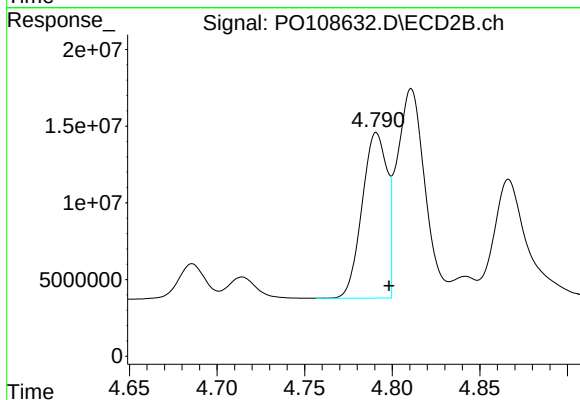
R.T.: 8.725 min
Delta R.T.: -0.016 min
Response: 106103641
Conc: 27.38 ng/ml



#3 AR-1016-1

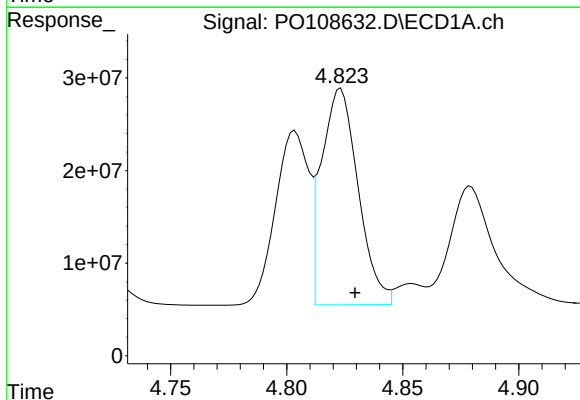
R.T.: 4.804 min
Delta R.T.: -0.006 min
Response: 187228244
Conc: 607.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS



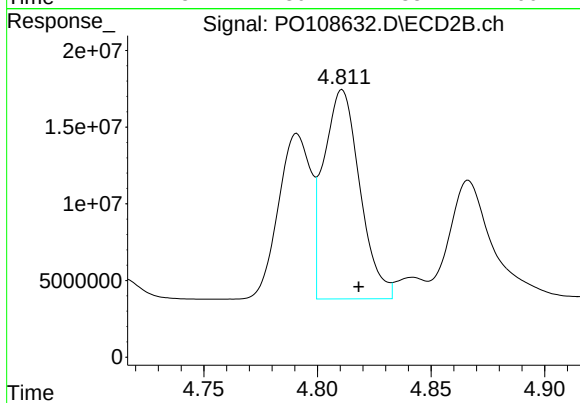
#3 AR-1016-1

R.T.: 4.791 min
Delta R.T.: -0.007 min
Response: 107228098
Conc: 668.19 ng/ml



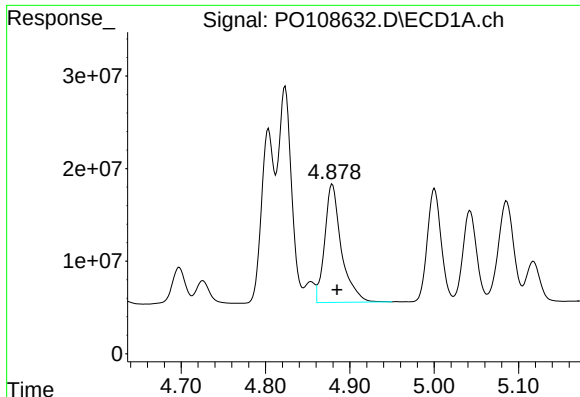
#4 AR-1016-2

R.T.: 4.823 min
Delta R.T.: -0.006 min
Response: 256289242
Conc: 613.99 ng/ml



#4 AR-1016-2

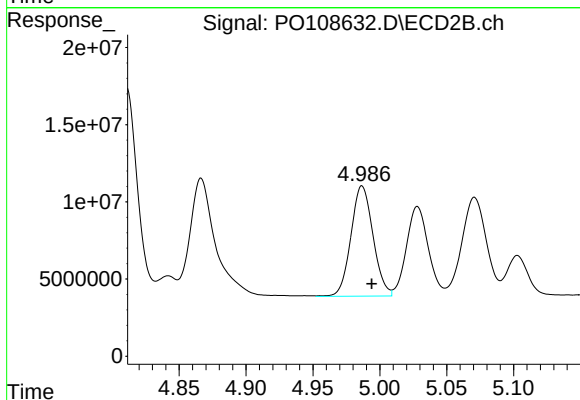
R.T.: 4.811 min
Delta R.T.: -0.007 min
Response: 151050250
Conc: 680.12 ng/ml



#5 AR-1016-3

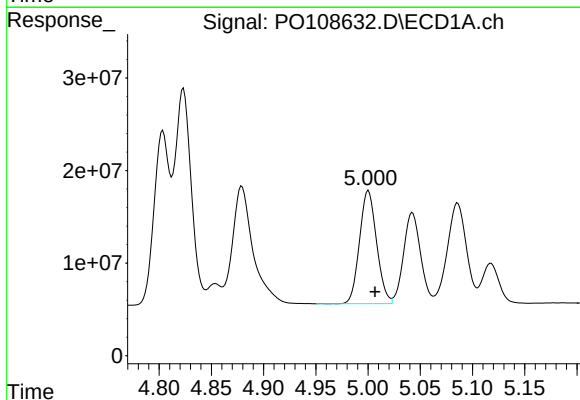
R.T.: 4.879 min
Delta R.T.: -0.006 min
Response: 175746061
Conc: 600.57 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS



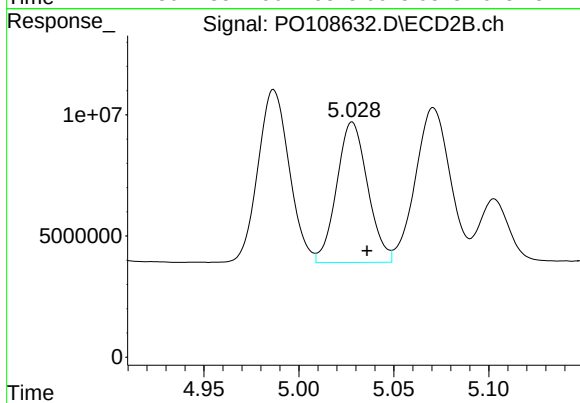
#5 AR-1016-3

R.T.: 4.987 min
Delta R.T.: -0.007 min
Response: 82319704
Conc: 654.19 ng/ml



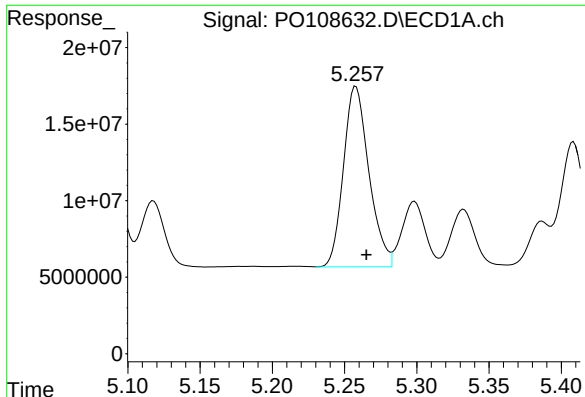
#6 AR-1016-4

R.T.: 5.000 min
Delta R.T.: -0.007 min
Response: 138692036
Conc: 599.94 ng/ml



#6 AR-1016-4

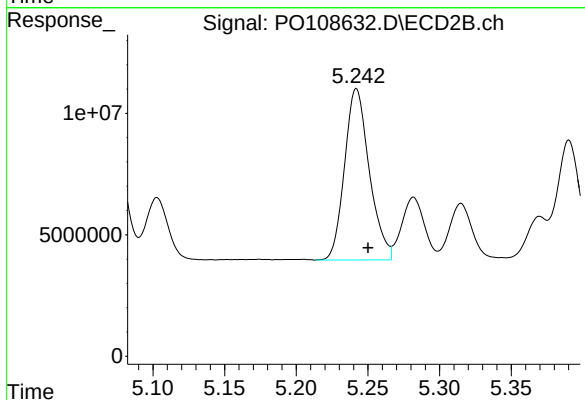
R.T.: 5.028 min
Delta R.T.: -0.008 min
Response: 65673196
Conc: 626.62 ng/ml



#7 AR-1016-5

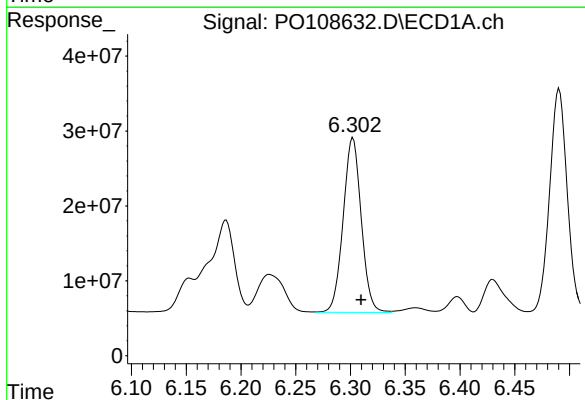
R.T.: 5.258 min
Delta R.T.: -0.007 min
Response: 144346773
Conc: 573.56 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS



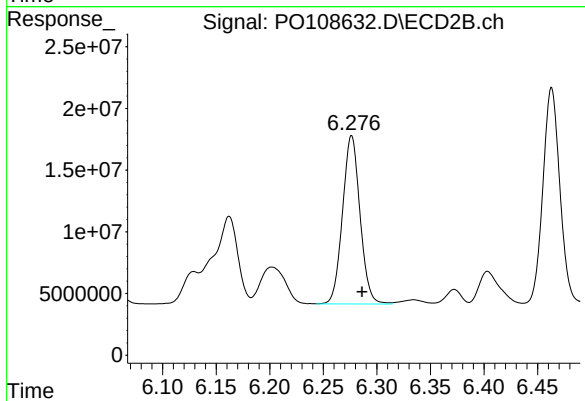
#7 AR-1016-5

R.T.: 5.242 min
Delta R.T.: -0.008 min
Response: 84750933
Conc: 626.80 ng/ml



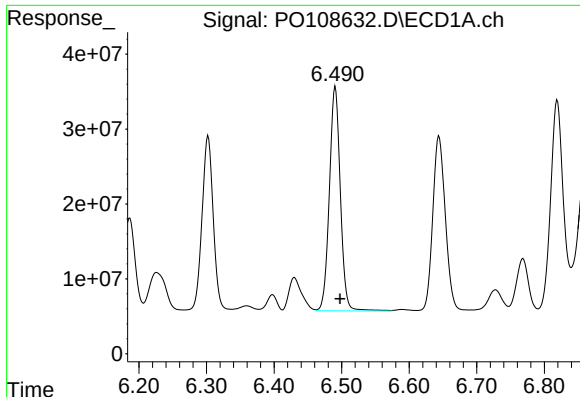
#31 AR-1260-1

R.T.: 6.302 min
Delta R.T.: -0.007 min
Response: 266908117
Conc: 583.86 ng/ml



#31 AR-1260-1

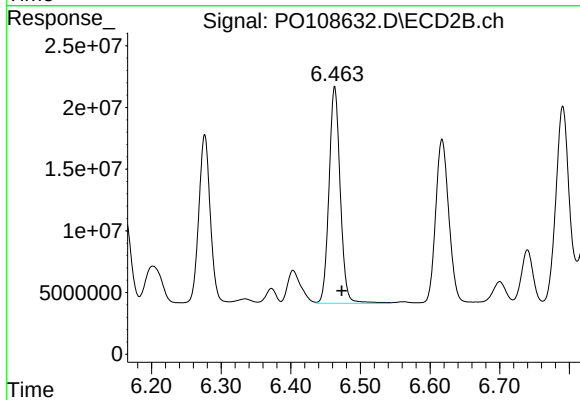
R.T.: 6.276 min
Delta R.T.: -0.010 min
Response: 155095547
Conc: 662.70 ng/ml



#32 AR-1260-2

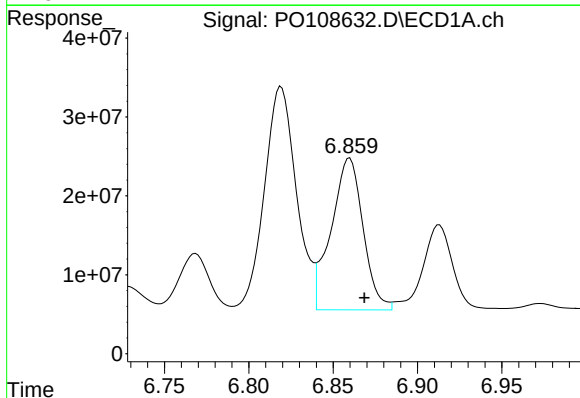
R.T.: 6.491 min
Delta R.T.: -0.007 min
Response: 340297567
Conc: 612.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS



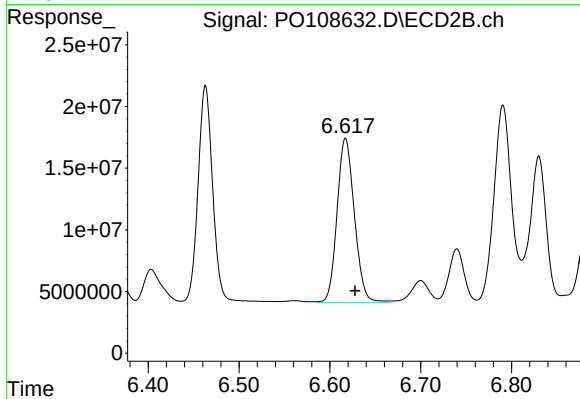
#32 AR-1260-2

R.T.: 6.463 min
Delta R.T.: -0.010 min
Response: 197500850
Conc: 703.93 ng/ml



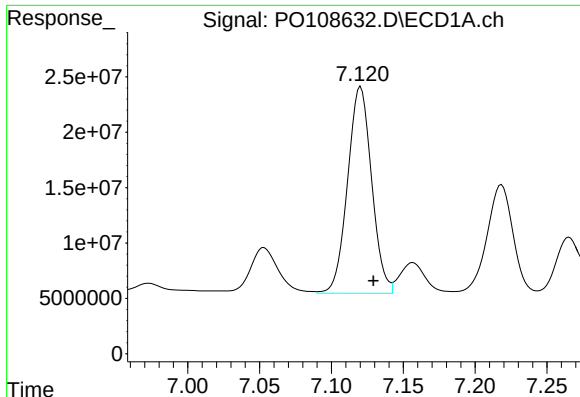
#33 AR-1260-3

R.T.: 6.860 min
Delta R.T.: -0.009 min
Response: 253497817
Conc: 546.71 ng/ml



#33 AR-1260-3

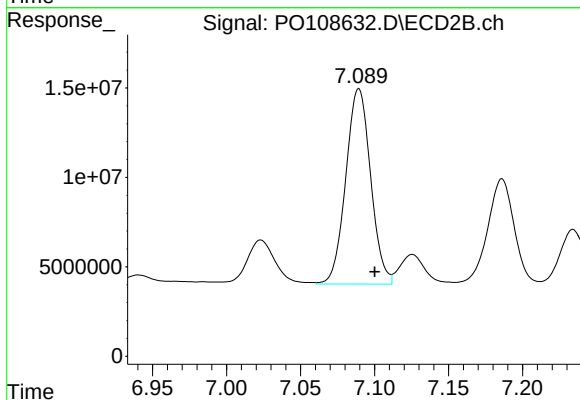
R.T.: 6.617 min
Delta R.T.: -0.010 min
Response: 176932117
Conc: 671.30 ng/ml



#34 AR-1260-4

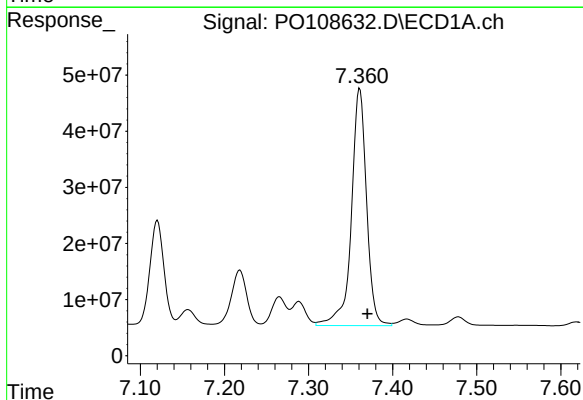
R.T.: 7.120 min
Delta R.T.: -0.009 min
Response: 216753603
Conc: 509.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS



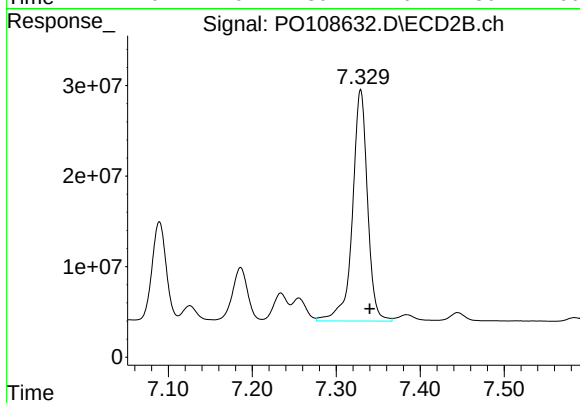
#34 AR-1260-4

R.T.: 7.089 min
Delta R.T.: -0.011 min
Response: 127640107
Conc: 599.95 ng/ml



#35 AR-1260-5

R.T.: 7.361 min
Delta R.T.: -0.009 min
Response: 530840690
Conc: 546.20 ng/ml



#35 AR-1260-5

R.T.: 7.329 min
Delta R.T.: -0.011 min
Response: 318522294
Conc: 658.19 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224MSD	SDG No.:	P5306
Lab Sample ID:	P5306-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8
Sample Wt/Vol:	30.06 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
PO108633.D	1	12/18/24 08:10	12/18/24 18:44	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	229		3.70	9.10	18.7	ug/kg
11104-28-2	Aroclor-1221	14.3	U	7.00	14.3	18.7	ug/kg
11141-16-5	Aroclor-1232	14.3	U	3.70	14.3	18.7	ug/kg
53469-21-9	Aroclor-1242	9.10	U	3.70	9.10	18.7	ug/kg
12672-29-6	Aroclor-1248	14.3	U	8.70	14.3	18.7	ug/kg
11097-69-1	Aroclor-1254	14.3	U	3.00	14.3	18.7	ug/kg
37324-23-5	Aroclor-1262	9.10	U	5.00	9.10	18.7	ug/kg
11100-14-4	Aroclor-1268	14.3	U	3.80	14.3	18.7	ug/kg
11096-82-5	Aroclor-1260	220		3.20	9.10	18.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.3		44 - 130		117%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		60 - 125		119%	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\PO121824\
Data File : PO108633.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:44
Operator : YP/AJ
Sample : P5306-01MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:52:02 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...	3.706	3.704	195.6E6	118.2E6	22.483	23.312
2) SA Decachlor...	8.775	8.726	150.5E6	92542473	20.608	23.882
Target Compounds						
3) L1 AR-1016-1	4.803	4.791	176.3E6	101.9E6	571.604	635.182
4) L1 AR-1016-2	4.823	4.811	243.0E6	142.7E6	582.094	642.320
5) L1 AR-1016-3	4.878	4.987	169.0E6	79085704	577.669	628.494
6) L1 AR-1016-4	5.000	5.028	132.9E6	63780800	574.965	608.561
7) L1 AR-1016-5	5.258	5.242	140.1E6	82623322	556.485	611.069
31) L7 AR-1260-1	6.302	6.276	254.9E6	146.9E6	557.539	627.713
32) L7 AR-1260-2	6.490	6.463	305.1E6	173.2E6	548.960	617.180
33) L7 AR-1260-3	6.859	6.617	219.5E6	164.4E6	473.396	623.685 #
34) L7 AR-1260-4	7.119	7.090	206.3E6	119.7E6	485.116	562.688
35) L7 AR-1260-5	7.361	7.328	473.4E6	274.8E6	487.127	567.933

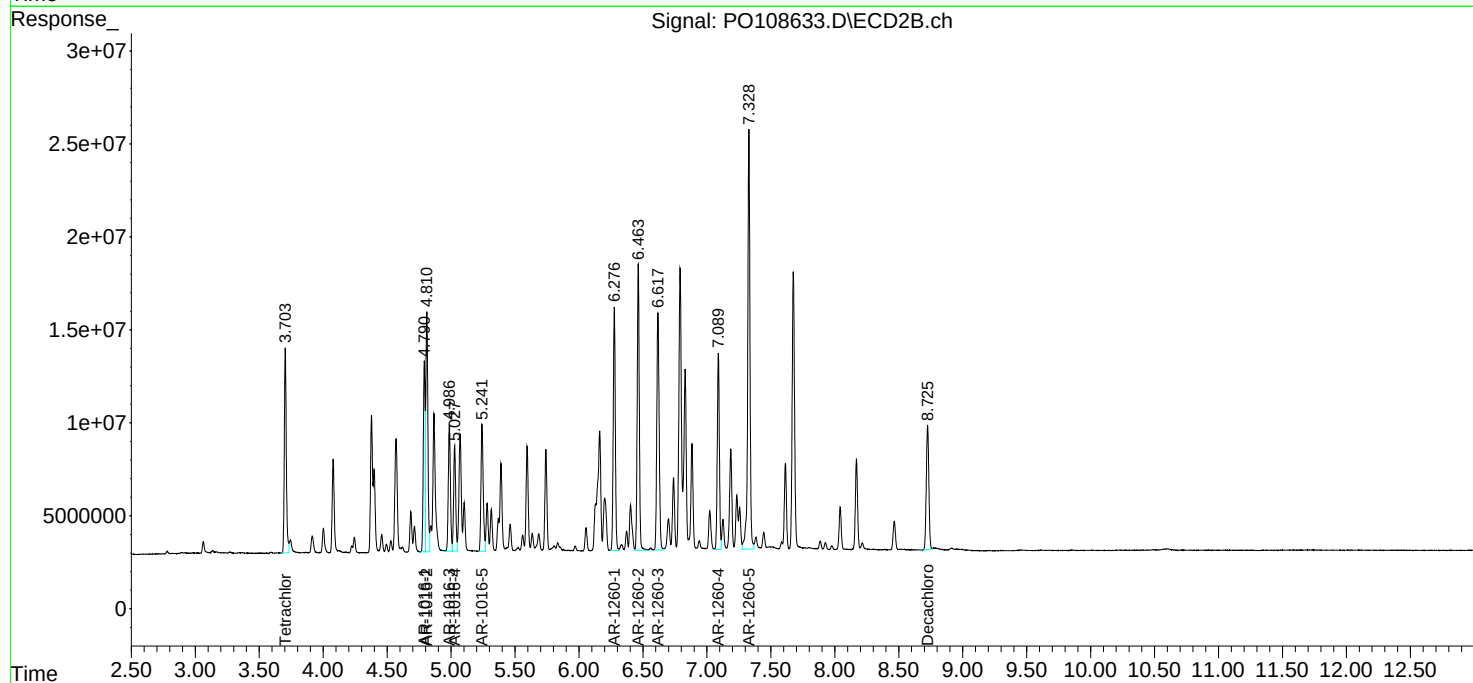
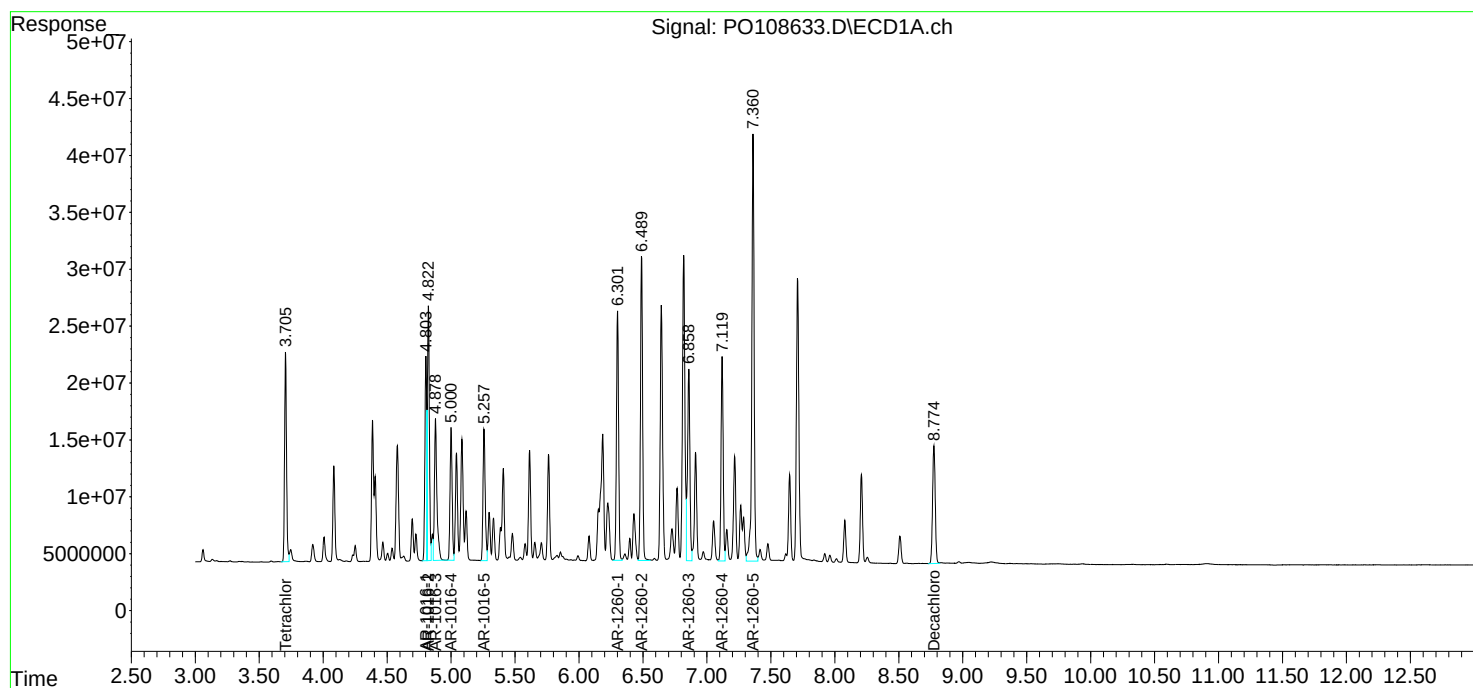
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

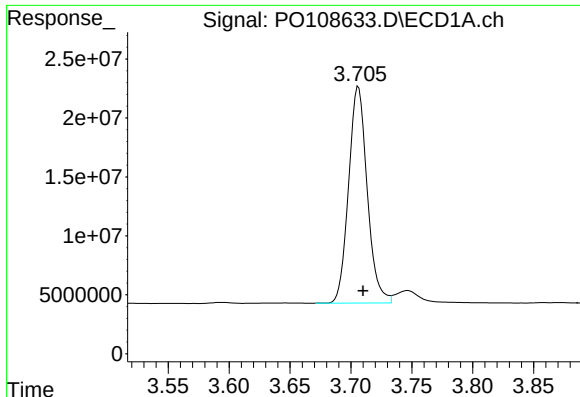
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108633.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:44
Operator : YP/AJ
Sample : P5306-01MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:52:02 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

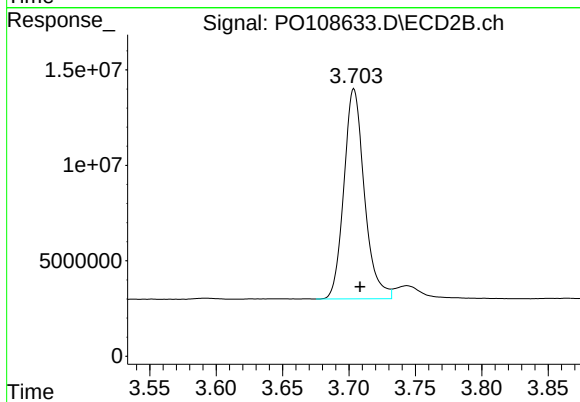




#1 Tetrachloro-m-xylene

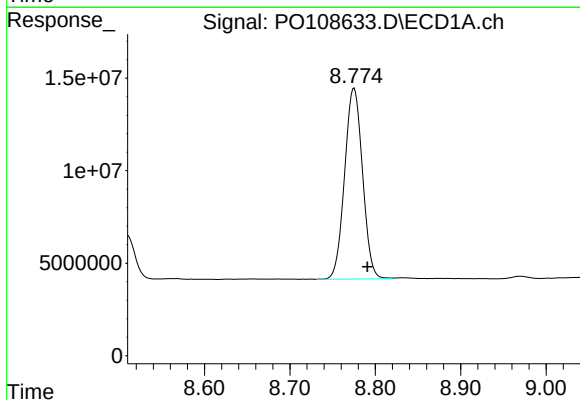
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 195605906
Conc: 22.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD



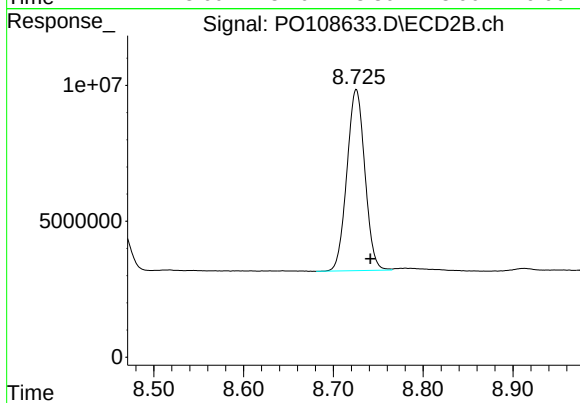
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 118177182
Conc: 23.31 ng/ml



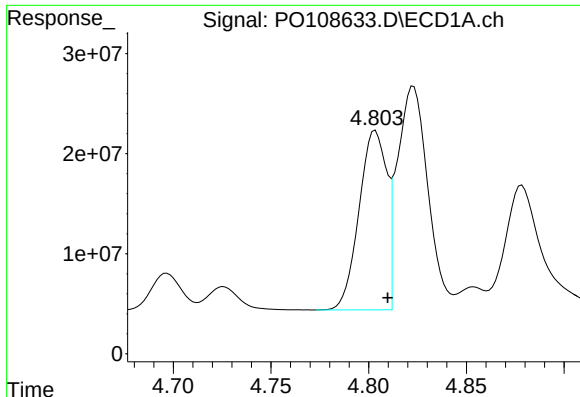
#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 150524223
Conc: 20.61 ng/ml



#2 Decachlorobiphenyl

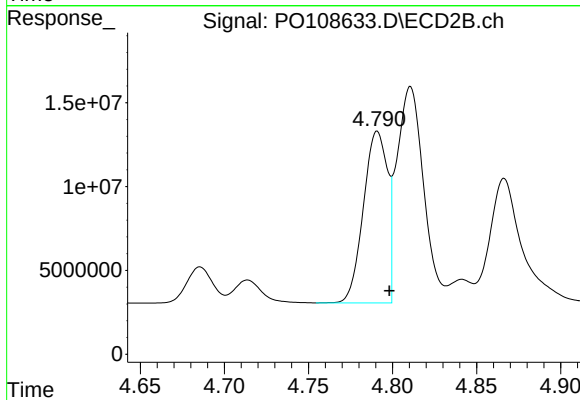
R.T.: 8.726 min
Delta R.T.: -0.016 min
Response: 92542473
Conc: 23.88 ng/ml



#3 AR-1016-1

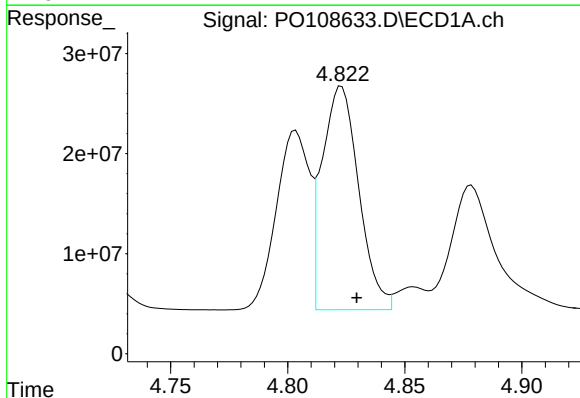
R.T.: 4.803 min
Delta R.T.: -0.006 min
Response: 176307622
Conc: 571.60 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD



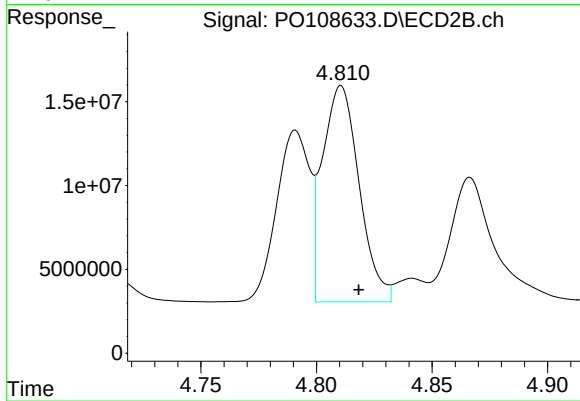
#3 AR-1016-1

R.T.: 4.791 min
Delta R.T.: -0.007 min
Response: 101930375
Conc: 635.18 ng/ml



#4 AR-1016-2

R.T.: 4.823 min
Delta R.T.: -0.007 min
Response: 242977036
Conc: 582.09 ng/ml



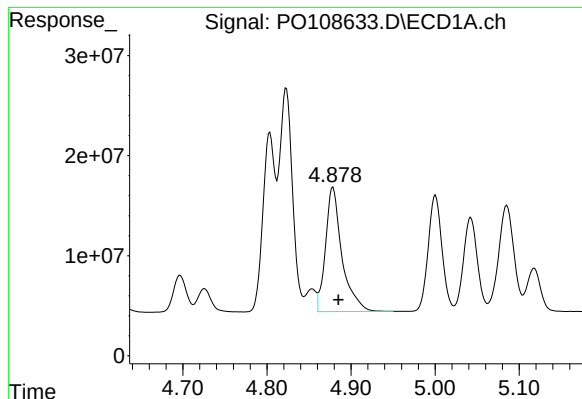
#4 AR-1016-2

R.T.: 4.811 min
Delta R.T.: -0.008 min
Response: 142654675
Conc: 642.32 ng/ml

#5 AR-1016-3

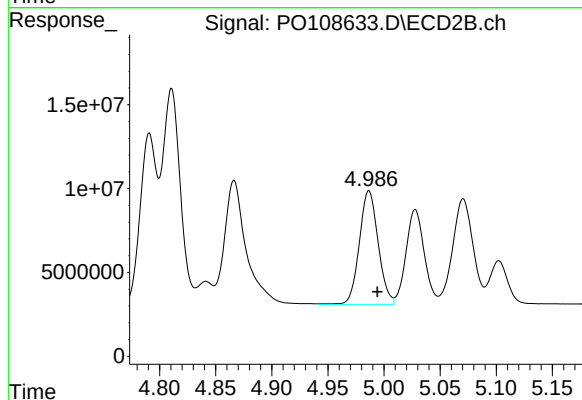
R.T.: 4.878 min
Delta R.T.: -0.006 min
Response: 169043877
Conc: 577.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD



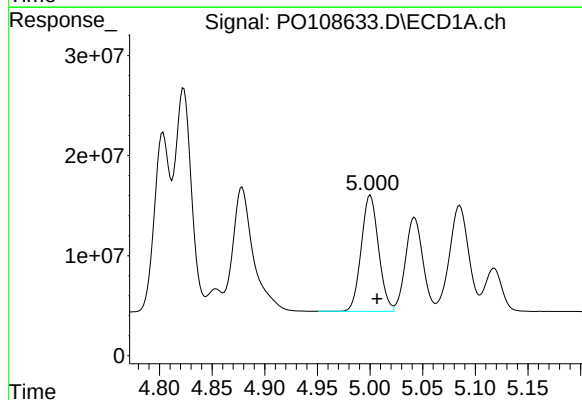
#5 AR-1016-3

R.T.: 4.987 min
Delta R.T.: -0.007 min
Response: 79085704
Conc: 628.49 ng/ml



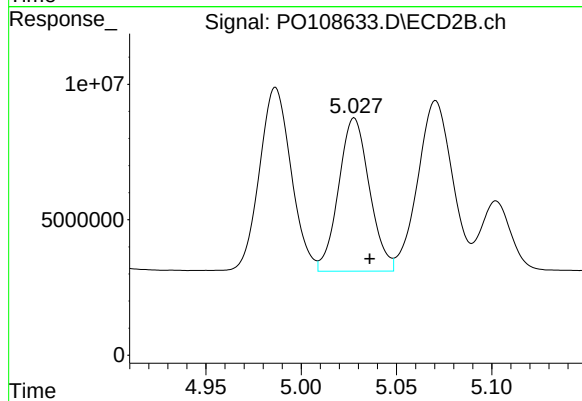
#6 AR-1016-4

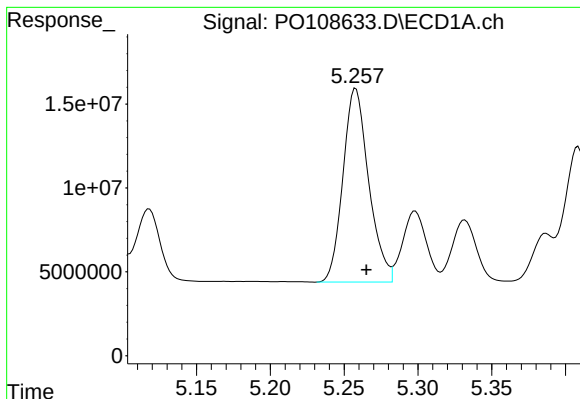
R.T.: 5.000 min
Delta R.T.: -0.006 min
Response: 132918726
Conc: 574.97 ng/ml



#6 AR-1016-4

R.T.: 5.028 min
Delta R.T.: -0.008 min
Response: 63780800
Conc: 608.56 ng/ml

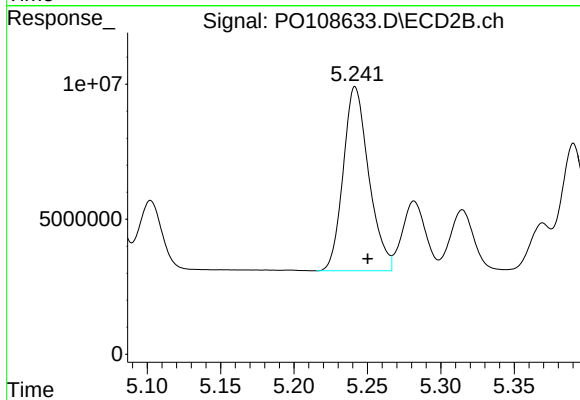




#7 AR-1016-5

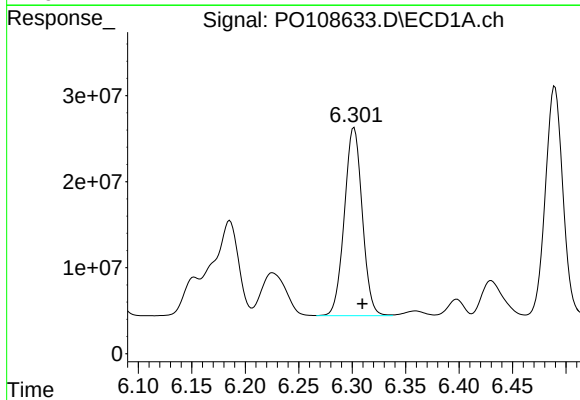
R.T.: 5.258 min
Delta R.T.: -0.007 min
Response: 140050691
Conc: 556.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD



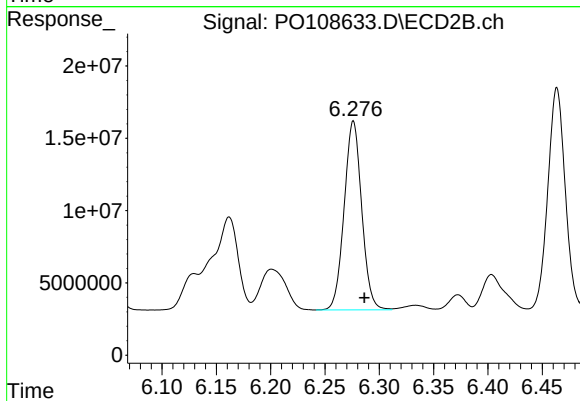
#7 AR-1016-5

R.T.: 5.242 min
Delta R.T.: -0.008 min
Response: 82623322
Conc: 611.07 ng/ml



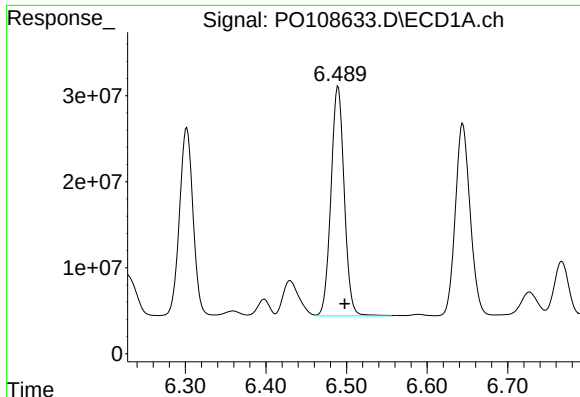
#31 AR-1260-1

R.T.: 6.302 min
Delta R.T.: -0.008 min
Response: 254876167
Conc: 557.54 ng/ml



#31 AR-1260-1

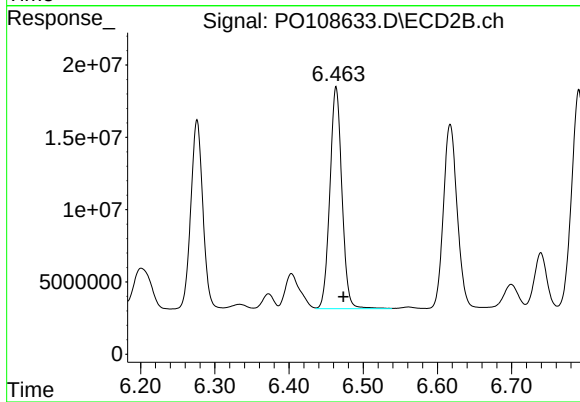
R.T.: 6.276 min
Delta R.T.: -0.010 min
Response: 146907121
Conc: 627.71 ng/ml



#32 AR-1260-2

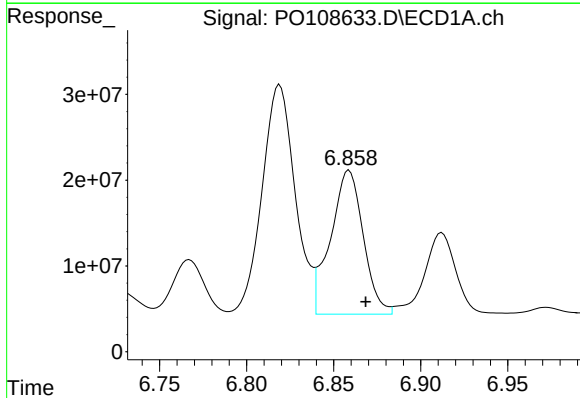
R.T.: 6.490 min
Delta R.T.: -0.008 min
Response: 305067758
Conc: 548.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD



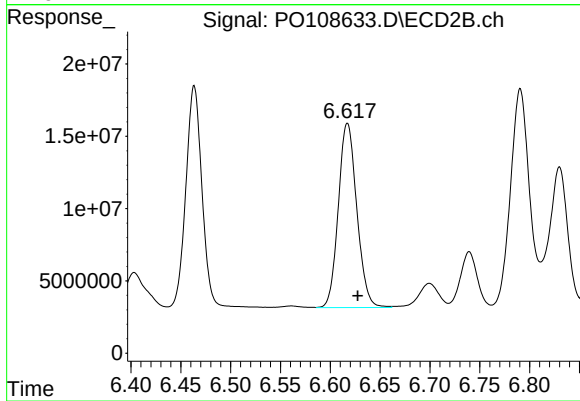
#32 AR-1260-2

R.T.: 6.463 min
Delta R.T.: -0.010 min
Response: 173160869
Conc: 617.18 ng/ml



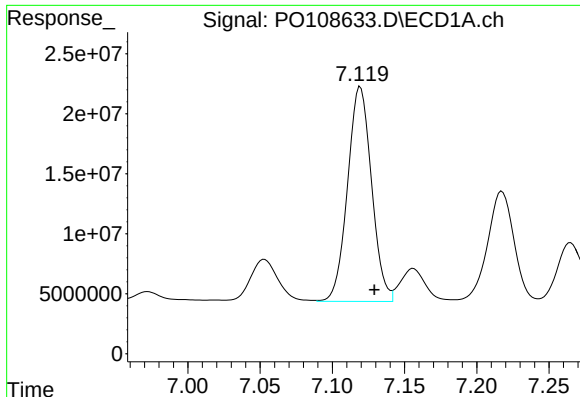
#33 AR-1260-3

R.T.: 6.859 min
Delta R.T.: -0.010 min
Response: 219503531
Conc: 473.40 ng/ml



#33 AR-1260-3

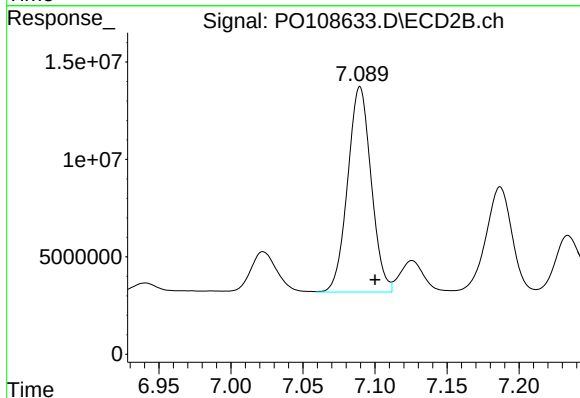
R.T.: 6.617 min
Delta R.T.: -0.010 min
Response: 164383680
Conc: 623.69 ng/ml



#34 AR-1260-4

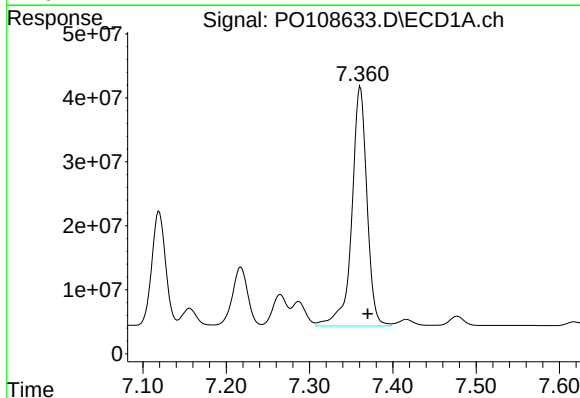
R.T.: 7.119 min
Delta R.T.: -0.010 min
Response: 206339470
Conc: 485.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD



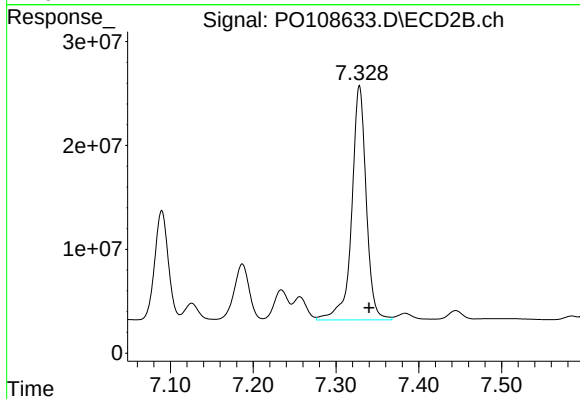
#34 AR-1260-4

R.T.: 7.090 min
Delta R.T.: -0.010 min
Response: 119712021
Conc: 562.69 ng/ml



#35 AR-1260-5

R.T.: 7.361 min
Delta R.T.: -0.009 min
Response: 473429841
Conc: 487.13 ng/ml



#35 AR-1260-5

R.T.: 7.328 min
Delta R.T.: -0.012 min
Response: 274841780
Conc: 567.93 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:	PO121824	Instrument	ECD_o
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO108623.D	AR-1254-3	yogesh	12/19/2024 8:20:36 AM	Ankita	12/19/2024 10:26:53	Peak Integrated by Software
AR1254CCC500	PO108623.D	AR-1254-3 #2	yogesh	12/19/2024 8:20:36 AM	Ankita	12/19/2024 10:26:53	Peak Integrated by Software
AR1254CCC500	PO108638.D	AR-1254-3	yogesh	12/19/2024 8:20:37 AM	Ankita	12/19/2024 10:26:55	Peak Integrated by Software
AR1254CCC500	PO108638.D	AR-1254-3 #2	yogesh	12/19/2024 8:20:37 AM	Ankita	12/19/2024 10:26:55	Peak Integrated by Software
AR1254CCC500	PO108652.D	AR-1254-3	yogesh	12/19/2024 8:20:39 AM	Ankita	12/19/2024 10:26:57	Peak Integrated by Software
AR1254CCC500	PO108652.D	AR-1254-3 #2	yogesh	12/19/2024 8:20:39 AM	Ankita	12/19/2024 10:26:57	Peak Integrated by Software
AR1660CCC500	PO108657.D	AR-1016-3	yogesh	12/19/2024 8:20:40 AM	Ankita	12/19/2024 10:26:58	Peak Integrated by Software
AR1254CCC500	PO108660.D	AR-1254-3	yogesh	12/19/2024 8:20:42 AM	Ankita	12/19/2024 10:26:59	Peak Integrated by Software
AR1254CCC500	PO108660.D	AR-1254-3 #2	yogesh	12/19/2024 8:20:42 AM	Ankita	12/19/2024 10:26:59	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 # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM
SubDirectory	PO121824	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	PO108607.D	18 Dec 2024 09:26	YP/AJ	Ok
2	AR1660CCC500	PO108608.D	18 Dec 2024 09:44	YP/AJ	Ok
3	AR1242CCC500	PO108609.D	18 Dec 2024 10:02	YP/AJ	Ok
4	AR1248CCC500	PO108610.D	18 Dec 2024 10:21	YP/AJ	Ok
5	I.BLK	PO108611.D	18 Dec 2024 10:39	YP/AJ	Ok
6	P5307-02	PO108612.D	18 Dec 2024 10:57	YP/AJ	Ok
7	P5307-08	PO108613.D	18 Dec 2024 11:34	YP/AJ	Ok,M
8	P5307-10	PO108614.D	18 Dec 2024 12:10	YP/AJ	Ok
9	P5307-11	PO108615.D	18 Dec 2024 12:46	YP/AJ	Ok,M
10	PB165702BL	PO108616.D	18 Dec 2024 13:33	YP/AJ	Ok
11	PB165702BS	PO108617.D	18 Dec 2024 13:51	YP/AJ	Ok
12	PB165702BSD	PO108618.D	18 Dec 2024 14:10	YP/AJ	Ok
13	P5313-01	PO108619.D	18 Dec 2024 14:28	YP/AJ	Ok
14	AR1660CCC500	PO108620.D	18 Dec 2024 14:46	YP/AJ	Ok
15	AR1242CCC500	PO108621.D	18 Dec 2024 15:04	YP/AJ	Ok
16	AR1248CCC500	PO108622.D	18 Dec 2024 15:23	YP/AJ	Ok
17	AR1254CCC500	PO108623.D	18 Dec 2024 15:41	YP/AJ	Ok,M
18	I.BLK	PO108624.D	18 Dec 2024 15:59	YP/AJ	Ok
19	PB165703BL	PO108625.D	18 Dec 2024 16:18	YP/AJ	Ok
20	PB165703BS	PO108626.D	18 Dec 2024 16:36	YP/AJ	Ok
21	P5299-01	PO108627.D	18 Dec 2024 16:54	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM
SubDirectory	PO121824	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	P5299-02	PO108628.D	18 Dec 2024 17:13	YP/AJ	Ok
23	P5299-03	PO108629.D	18 Dec 2024 17:31	YP/AJ	Ok
24	P5299-04	PO108630.D	18 Dec 2024 17:49	YP/AJ	Ok
25	P5306-01	PO108631.D	18 Dec 2024 18:08	YP/AJ	Ok
26	P5306-01MS	PO108632.D	18 Dec 2024 18:26	YP/AJ	Ok
27	P5306-01MSD	PO108633.D	18 Dec 2024 18:44	YP/AJ	Ok
28	P5306-03	PO108634.D	18 Dec 2024 19:03	YP/AJ	Ok
29	AR1660CCC500	PO108635.D	18 Dec 2024 20:04	YP/AJ	Ok
30	AR1242CCC500	PO108636.D	18 Dec 2024 20:22	YP/AJ	Ok
31	AR1248CCC500	PO108637.D	18 Dec 2024 20:40	YP/AJ	Ok
32	AR1254CCC500	PO108638.D	18 Dec 2024 20:59	YP/AJ	Ok,M
33	I.BLK	PO108639.D	18 Dec 2024 21:17	YP/AJ	Ok
34	P5306-05	PO108640.D	18 Dec 2024 21:35	YP/AJ	Ok
35	P5306-07	PO108641.D	18 Dec 2024 21:54	YP/AJ	Ok
36	P5306-09	PO108642.D	18 Dec 2024 22:12	YP/AJ	Ok
37	P5306-11	PO108643.D	18 Dec 2024 22:30	YP/AJ	Ok
38	P5306-13	PO108644.D	18 Dec 2024 22:49	YP/AJ	Ok
39	P5306-15	PO108645.D	18 Dec 2024 23:07	YP/AJ	Ok
40	P5312-01	PO108646.D	18 Dec 2024 23:25	YP/AJ	Ok
41	P5312-03	PO108647.D	18 Dec 2024 23:43	YP/AJ	Ok
42	P5316-01	PO108648.D	19 Dec 2024 00:02	YP/AJ	Ok
43	AR1660CCC500	PO108649.D	19 Dec 2024 01:03	YP/AJ	Ok
44	AR1242CCC500	PO108650.D	19 Dec 2024 01:21	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM
SubDirectory	PO121824	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			

45	AR1248CCC500	PO108651.D	19 Dec 2024 01:39	YP/AJ	Ok
46	AR1254CCC500	PO108652.D	19 Dec 2024 01:58	YP/AJ	Ok,M
47	I.BLK	PO108653.D	19 Dec 2024 02:16	YP/AJ	Ok
48	PB165711BL	PO108654.D	19 Dec 2024 02:34	YP/AJ	Ok
49	PB165711BS	PO108655.D	19 Dec 2024 02:53	YP/AJ	Ok
50	P5300-01	PO108656.D	19 Dec 2024 03:11	YP/AJ	Ok
51	AR1660CCC500	PO108657.D	19 Dec 2024 04:12	YP/AJ	Ok,M
52	AR1242CCC500	PO108658.D	19 Dec 2024 04:30	YP/AJ	Ok
53	AR1248CCC500	PO108659.D	19 Dec 2024 04:49	YP/AJ	Ok
54	AR1254CCC500	PO108660.D	19 Dec 2024 05:07	YP/AJ	Ok,M
55	I.BLK	PO108661.D	19 Dec 2024 05:25	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			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	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 # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM
SubDirectory	PO121824	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	PO108607.D	18 Dec 2024 09:26		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO108608.D	18 Dec 2024 09:44		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO108609.D	18 Dec 2024 10:02		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO108610.D	18 Dec 2024 10:21		YP/AJ	Ok
5	I.BLK	I.BLK	PO108611.D	18 Dec 2024 10:39		YP/AJ	Ok
6	P5307-02	2A-2B-2C-ROOF-2	PO108612.D	18 Dec 2024 10:57		YP/AJ	Ok
7	P5307-08	1952-BLDG	PO108613.D	18 Dec 2024 11:34		YP/AJ	Ok,M
8	P5307-10	1907-BLDG-OFF-WHIT	PO108614.D	18 Dec 2024 12:10		YP/AJ	Ok
9	P5307-11	11A-11B-11C-1952-BLD	PO108615.D	18 Dec 2024 12:46		YP/AJ	Ok,M
10	PB165702BL	PB165702BL	PO108616.D	18 Dec 2024 13:33		YP/AJ	Ok
11	PB165702BS	PB165702BS	PO108617.D	18 Dec 2024 13:51		YP/AJ	Ok
12	PB165702BSD	PB165702BSD	PO108618.D	18 Dec 2024 14:10		YP/AJ	Ok
13	P5313-01	FMI109	PO108619.D	18 Dec 2024 14:28		YP/AJ	Ok
14	AR1660CCC500	AR1660CCC500	PO108620.D	18 Dec 2024 14:46		YP/AJ	Ok
15	AR1242CCC500	AR1242CCC500	PO108621.D	18 Dec 2024 15:04		YP/AJ	Ok
16	AR1248CCC500	AR1248CCC500	PO108622.D	18 Dec 2024 15:23		YP/AJ	Ok
17	AR1254CCC500	AR1254CCC500	PO108623.D	18 Dec 2024 15:41		YP/AJ	Ok,M
18	I.BLK	I.BLK	PO108624.D	18 Dec 2024 15:59		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM
SubDirectory	PO121824	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	PB165703BL	PB165703BL	PO108625.D	18 Dec 2024 16:18		YP/AJ	Ok
20	PB165703BS	PB165703BS	PO108626.D	18 Dec 2024 16:36		YP/AJ	Ok
21	P5299-01	SB-01	PO108627.D	18 Dec 2024 16:54		YP/AJ	Ok
22	P5299-02	SB-02	PO108628.D	18 Dec 2024 17:13		YP/AJ	Ok
23	P5299-03	SB-01	PO108629.D	18 Dec 2024 17:31		YP/AJ	Ok
24	P5299-04	SB-02	PO108630.D	18 Dec 2024 17:49		YP/AJ	Ok
25	P5306-01	OU4-VSL-07-121224	PO108631.D	18 Dec 2024 18:08		YP/AJ	Ok
26	P5306-01MS	OU4-VSL-07-121224M	PO108632.D	18 Dec 2024 18:26		YP/AJ	Ok
27	P5306-01MSD	OU4-VSL-07-121224M	PO108633.D	18 Dec 2024 18:44		YP/AJ	Ok
28	P5306-03	OU4-VSL-08-121224	PO108634.D	18 Dec 2024 19:03		YP/AJ	Ok
29	AR1660CCC500	AR1660CCC500	PO108635.D	18 Dec 2024 20:04		YP/AJ	Ok
30	AR1242CCC500	AR1242CCC500	PO108636.D	18 Dec 2024 20:22		YP/AJ	Ok
31	AR1248CCC500	AR1248CCC500	PO108637.D	18 Dec 2024 20:40		YP/AJ	Ok
32	AR1254CCC500	AR1254CCC500	PO108638.D	18 Dec 2024 20:59		YP/AJ	Ok,M
33	I.BLK	I.BLK	PO108639.D	18 Dec 2024 21:17		YP/AJ	Ok
34	P5306-05	OU4-VSL-09-121224	PO108640.D	18 Dec 2024 21:35		YP/AJ	Ok
35	P5306-07	OU4-VSL-10-121224	PO108641.D	18 Dec 2024 21:54		YP/AJ	Ok
36	P5306-09	OU4-VSL-11-121224	PO108642.D	18 Dec 2024 22:12		YP/AJ	Ok
37	P5306-11	OU4-VSL-12-121224	PO108643.D	18 Dec 2024 22:30		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM
SubDirectory	PO121824	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			

38	P5306-13	OU4-VSL-13-121224	PO108644.D	18 Dec 2024 22:49		YP/AJ	Ok
39	P5306-15	OU4-VSL-14-121224	PO108645.D	18 Dec 2024 23:07		YP/AJ	Ok
40	P5312-01	SOIL-VNJ-222	PO108646.D	18 Dec 2024 23:25		YP/AJ	Ok
41	P5312-03	CONCRETE-VNJ-222	PO108647.D	18 Dec 2024 23:43		YP/AJ	Ok
42	P5316-01	TT-304-IDWSO-202412	PO108648.D	19 Dec 2024 00:02		YP/AJ	Ok
43	AR1660CCC500	AR1660CCC500	PO108649.D	19 Dec 2024 01:03		YP/AJ	Ok
44	AR1242CCC500	AR1242CCC500	PO108650.D	19 Dec 2024 01:21		YP/AJ	Ok
45	AR1248CCC500	AR1248CCC500	PO108651.D	19 Dec 2024 01:39		YP/AJ	Ok
46	AR1254CCC500	AR1254CCC500	PO108652.D	19 Dec 2024 01:58		YP/AJ	Ok,M
47	I.BLK	I.BLK	PO108653.D	19 Dec 2024 02:16		YP/AJ	Ok
48	PB165711BL	PB165711BL	PO108654.D	19 Dec 2024 02:34		YP/AJ	Ok
49	PB165711BS	PB165711BS	PO108655.D	19 Dec 2024 02:53		YP/AJ	Ok
50	P5300-01	121324	PO108656.D	19 Dec 2024 03:11		YP/AJ	Ok
51	AR1660CCC500	AR1660CCC500	PO108657.D	19 Dec 2024 04:12		YP/AJ	Ok,M
52	AR1242CCC500	AR1242CCC500	PO108658.D	19 Dec 2024 04:30		YP/AJ	Ok
53	AR1248CCC500	AR1248CCC500	PO108659.D	19 Dec 2024 04:49		YP/AJ	Ok
54	AR1254CCC500	AR1254CCC500	PO108660.D	19 Dec 2024 05:07		YP/AJ	Ok,M
55	I.BLK	I.BLK	PO108661.D	19 Dec 2024 05:25		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/17/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:12
Out Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133976

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
P5245-03	72-12016	1	1.15	8.37	9.52	8.99	93.7	
P5299-01	SB-01	2	1.15	8.40	9.55	7.74	78.5	
P5299-02	SB-02	3	1.16	8.70	9.86	7.73	75.5	
P5299-03	SB-01	33	1.13	8.61	9.74	7.05	68.8	
P5299-04	SB-02	4	1.15	8.75	9.9	8.08	79.2	
P5306-01	OU4-VSL-07-121224	5	1.16	8.52	9.68	8.9	90.8	
P5306-03	OU4-VSL-08-121224	6	1.17	8.73	9.9	9.1	90.8	
P5306-05	OU4-VSL-09-121224	7	1.19	8.45	9.64	8.8	90.1	
P5306-07	OU4-VSL-10-121224	8	1.15	8.65	9.8	9.37	95.0	
P5306-09	OU4-VSL-11-121224	9	1.11	8.77	9.88	9.32	93.6	
P5306-11	OU4-VSL-12-121224	10	1.12	8.65	9.77	8.97	90.8	
P5306-13	OU4-VSL-13-121224	11	1.13	8.72	9.85	8.98	90.0	
P5306-15	OU4-VSL-14-121224	12	1.18	8.46	9.64	9.29	95.9	
P5306-17	OU4-VSL-06R-121224	13	1.15	8.80	9.95	9.22	91.7	
P5307-01	1A-1B-1C-ROOF-2	14	1.00	1.00	2.00	2.00	100.0	caluk
P5307-02	2A-2B-2C-ROOF-2	15	1.00	1.00	2.00	2.00	100.0	caluk
P5307-03	3A-3B-3C-1907	16	1.00	1.00	2.00	2.00	100.0	caluk
P5307-04	4A-4B-4C-1907	17	1.00	1.00	2.00	2.00	100.0	caluk
P5307-05	5A-5B-5C-1907	18	1.00	1.00	2.00	2.00	100.0	caluk
P5307-06	6A-6B-6C-1952	19	1.00	1.00	2.00	2.00	100.0	caluk
P5307-07	1907-BLDG-GRAY	20	1.00	1.00	2.00	2.00	100.0	caluk
P5307-08	1952-BLDG	21	1.00	1.00	2.00	2.00	100.0	caluk
P5307-09	9A-9B-9C-1907	22	1.00	1.00	2.00	2.00	100.0	caluk
P5307-10	1907-BLDG-OFF-WHITE	23	1.00	1.00	2.00	2.00	100.0	caluk
P5307-11	11A-11B-11C-1952-BLDG	24	1.00	1.00	2.00	2.00	100.0	caluk
P5307-12	12A-12B-12C-1952	25	1.00	1.00	2.00	2.00	100.0	caluk
P5307-13	13A-13B-13C-1952	26	1.00	1.00	2.00	2.00	100.0	caluk
P5307-14	14A-14B-14C-1907	27	1.00	1.00	2.00	2.00	100.0	caluk

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/17/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:12
Out Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133976

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
P5307-15	15A-15B-15C-ROOF-7	28	1.00	1.00	2.00	2.00	100.0	caluk
P5312-01	SOIL-VNJ-222	29	1.15	8.43	9.58	8.55	87.8	
P5312-02	SOIL-VNJ-222	30	1.12	8.66	9.78	9.35	95.0	
P5312-03	CONCRETE-VNJ-222	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P5312-04	CONCRETE-VNJ-222	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

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

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix: Solid

Weight 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: 12/18/2024

Extraction Start Time: 08:10

Extraction End Date: 12/18/2024

Extraction End Time: 14:30

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	N/A	E3847
Baked Na2SO4	N/A	EP2573
H2SO4 1:1	N/A	EP2565
Sand	N/A	E2865
Hexane/Acetone/1:1	N/A	EP2561
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS721.P5316 -01 Added in batch at 11:35

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/18/24	RJ (Set Lab)	RJ (Set Lab)
14:35	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 12/18/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165703BL	ABLK703	PCB	30.03	N/A	ritesh	Evelyn	10			U7-1
PB165703BS	ALCS703	PCB	30.02	N/A	ritesh	Evelyn	10			2
P5299-01	SB-01	PCB	30.04	N/A	ritesh	Evelyn	10	F		3
P5299-02	SB-02	PCB	30.09	N/A	ritesh	Evelyn	10	F		4
P5299-03	SB-01	PCB	30.07	N/A	ritesh	Evelyn	10	F		5
P5299-04	SB-02	PCB	30.10	N/A	ritesh	Evelyn	10	F		6
P5306-01	OU4-VSL-07-121224	PCB	30.02	N/A	ritesh	Evelyn	10	E		U6-1
P5306-01MS	OU4-VSL-07-121224MS	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
P5306-01MS D	OU4-VSL-07-121224MSD	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
P5306-03	OU4-VSL-08-121224	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
P5306-05	OU4-VSL-09-121224	PCB	30.05	N/A	ritesh	Evelyn	10	E		5
P5306-07	OU4-VSL-10-121224	PCB	30.08	N/A	ritesh	Evelyn	10	E		6
P5306-09	OU4-VSL-11-121224	PCB	30.03	N/A	ritesh	Evelyn	10	E		U5-1
P5306-11	OU4-VSL-12-121224	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
P5306-13	OU4-VSL-13-121224	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
P5306-15	OU4-VSL-14-121224	PCB	30.04	N/A	ritesh	Evelyn	10	E		4
P5312-01	SOIL-VNJ-222	PCB	30.01	N/A	ritesh	Evelyn	10	E		5
P5312-03	CONCRETE-VNJ-222	PCB	30.08	N/A	ritesh	Evelyn	10	E	Concrete	6
P5316-01	TT-304-IDWSO-20241217 -1	PCB Group1	30.05	N/A	ritesh	Evelyn	10	E		U4-1

* Extracts relinquished on the same date as received.



165703
510

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p5300

WorkList ID : 186419

Department : Extraction

Date : 12-18-2024 08:05:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5300-01	121324	Solid	PCB	Cool 4 deg C	PSEG03	L51	12/16/2024	8082A
P5306-01	OU4-VSL-07-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-03	OU4-VSL-08-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-05	OU4-VSL-09-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-07	OU4-VSL-10-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-09	OU4-VSL-11-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-11	OU4-VSL-12-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-13	OU4-VSL-13-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-15	OU4-VSL-14-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5312-01	SOIL-VNJ-222	Solid	PCB	Cool 4 deg C	PSEG03	L61	12/17/2024	8082A
P5312-03	CONCRETE-VNJ-222	Solid	PCB	Cool 4 deg C	PSEG03	L61	12/17/2024	8082A

Date/Time 12/18/24 8:07

Raw Sample Received by: RJ (Red 104)

Raw Sample Relinquished by: JDCSM

P5306-PCB

Date/Time 12/18/24 8:35

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: RJ (Red 104)

11:35
Pc 8
165703

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5316

WorkList ID : 186434

Department : Extraction

Date : 12-18-2024 11:32:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5316-01	TT-304-IDWSO-20241217-1	Solid	PCB Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8082A
P5316-01	TT-304-IDWSO-20241217-1	Solid	PESTICIDE Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8081B
P5316-01	TT-304-IDWSO-20241217-1	Solid	SVOCMS Group2	Cool 4 deg C	TETR06	L51	12/17/2024	8270E

Date/Time 12/18/24
Raw Sample Received by: RJ (Ext 104)
Raw Sample Relinquished by: [Signature]

Date/Time 12/18/24
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ (Ext 104)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5299

WorkList ID : 186432

Department : Extraction

Date : 12-18-2024 08:56:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5299-01	SB-01	Solid	PCB	Cool 4 deg C	PORT06	L41	12/14/2024	8082A
P5299-02	SB-02	Solid	PCB	Cool 4 deg C	PORT06	L41	12/15/2024	8082A
P5299-03	SB-01	Solid	PCB	Cool 4 deg C	PORT06	L41	12/15/2024	8082A
P5299-04	SB-02	Solid	PCB	Cool 4 deg C	PORT06	L41	12/15/2024	8082A

Date/Time 12/18/24 8:56
 Raw Sample Received by: RJ (Set 1 & 4)
 Raw Sample Relinquished by: [Signature] SM

Date/Time 12/18/24 9:10
 Raw Sample Received by: [Signature] SM
 Raw Sample Relinquished by: RJ (Set 1 & 4)

Prep Standard - Chemical Standard Summary

Order ID : P5306

Test : PCB

Prepbatch ID : PB165703,

Sequence ID/Qc Batch ID: PO121824,

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	12/31/2024	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

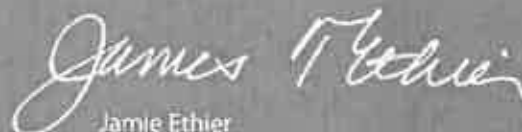
Certificate of Analysis

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 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
------	---------------	--------

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales
Sr. Manager, Quality Assurance

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	≤ 1.0 ppm	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 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

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



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

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
02/19/24

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:

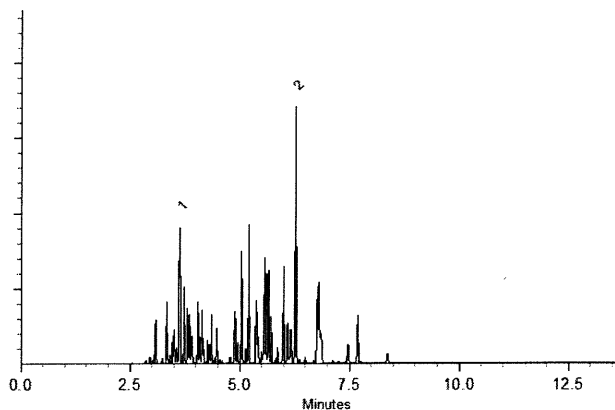
250°C

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)

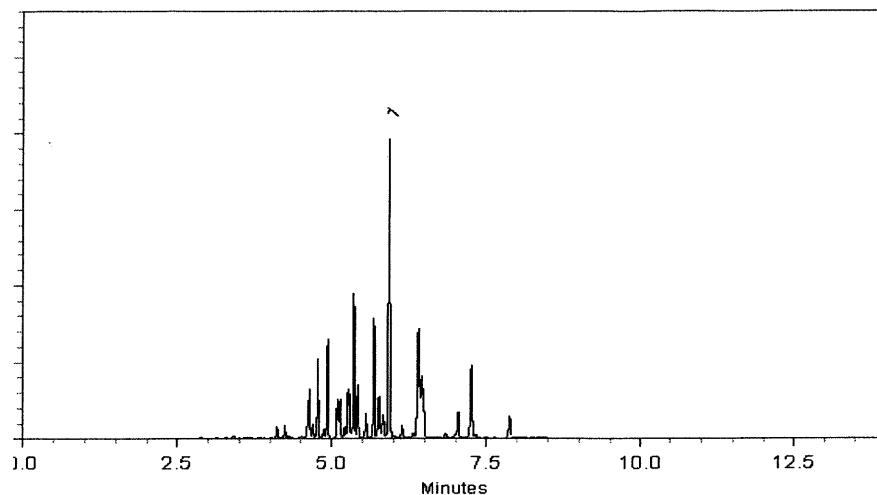
Carrier Gas:
helium-constant pressure 20 psi.

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

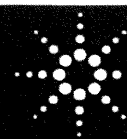
Date Mixed: 03-Jan-2021 **Balance:** B707717271

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

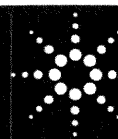
P11508

↓
P11512

AJ

2/21/22

ISO 17034



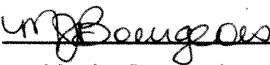
Agilent

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.

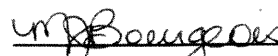
Expiration of Certification:

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)

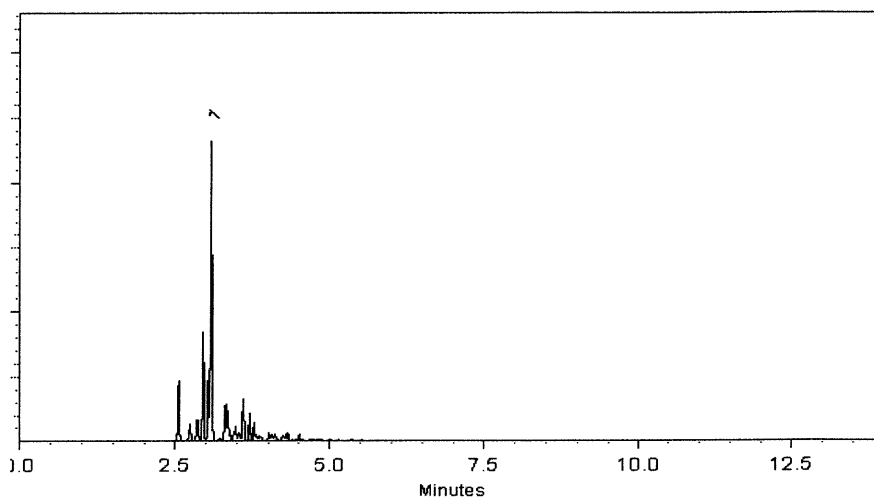
Carrier Gas:
helium-constant pressure 20 psi.

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)

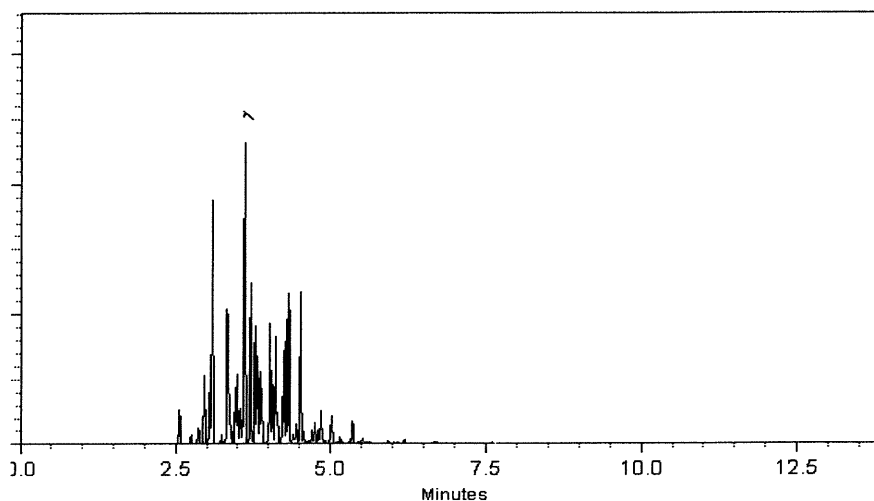
Carrier Gas:
helium-constant pressure 20 psi.

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

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	1,000.7 µg/mL	+/- 5.9437 µg/mL Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7284 µg/mL Unstressed
	Purity ----%		+/- 41.4406 µg/mL Stressed

Solvent: Hexane

CAS # 110-54-3

Purity 99%

P11588
↓
P11592 / (S)

AR
04/30/2022

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

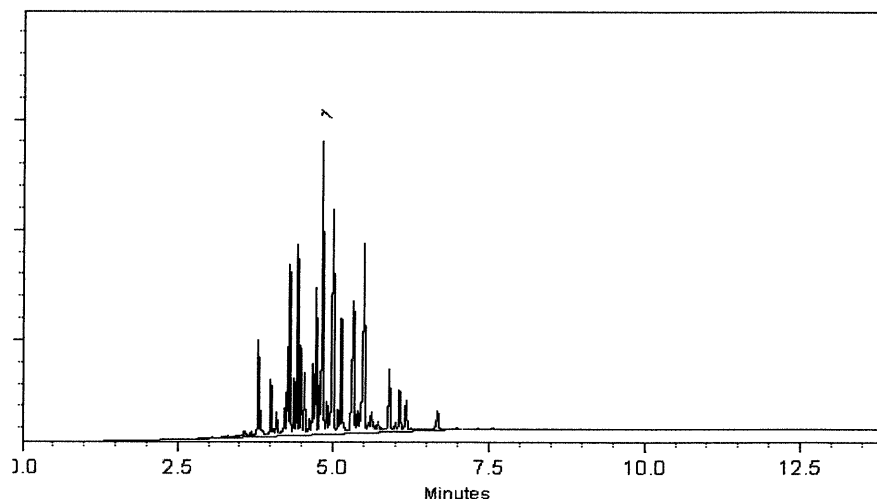
250°C

Det. Temp:

300°C

Det. Type:

ECD



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

Cathleen Soltis

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

Alexis Shelow

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

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

P11588
↓
P11592

AR
04/30/22



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

WJR
04/30/2022

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

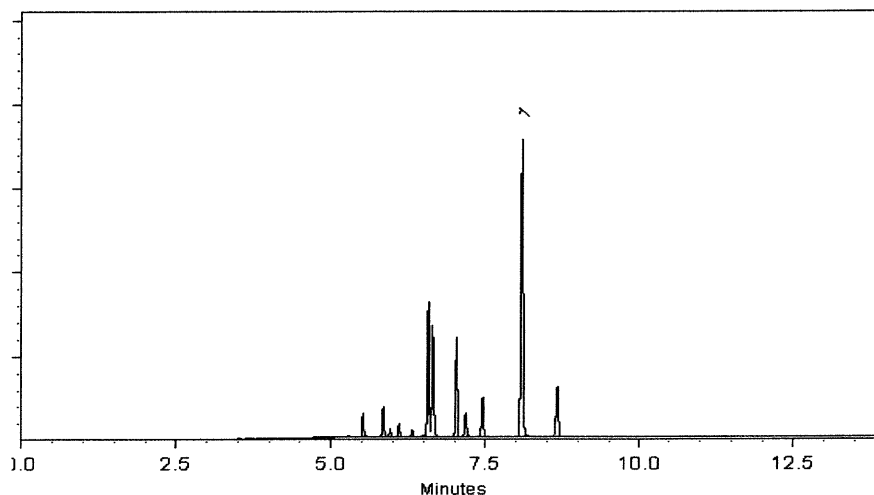
Carrier Gas:
helium-constant pressure 20 psi.

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

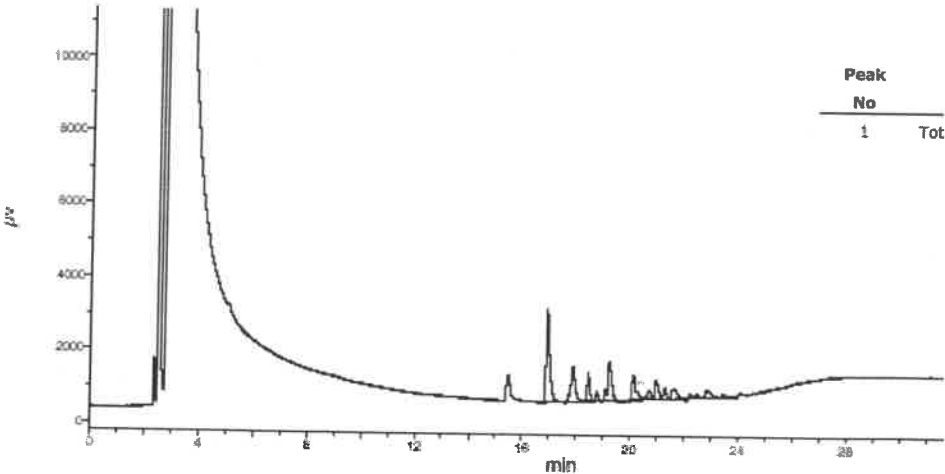
Weight(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.057 Flask Uncertainty

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:

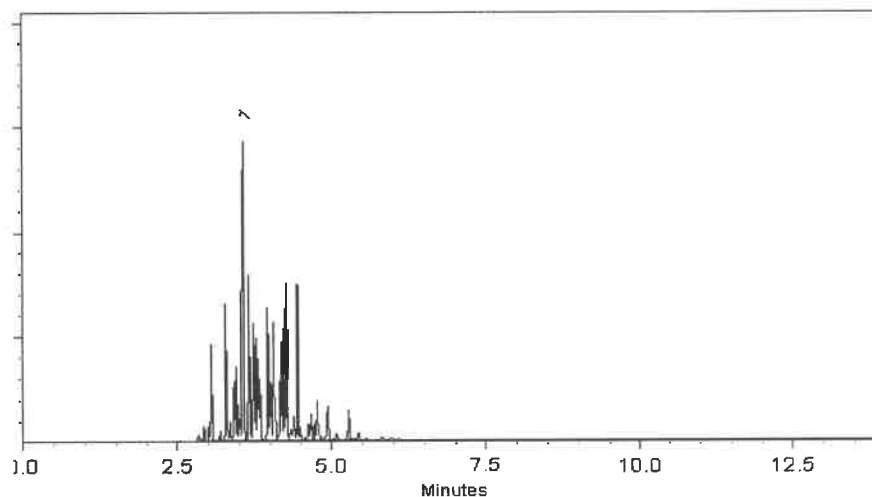
ECD

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:

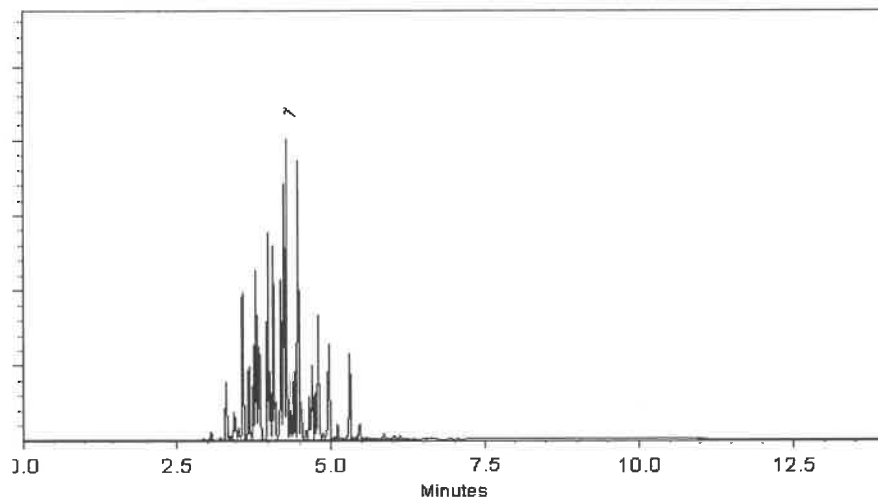
ECD

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

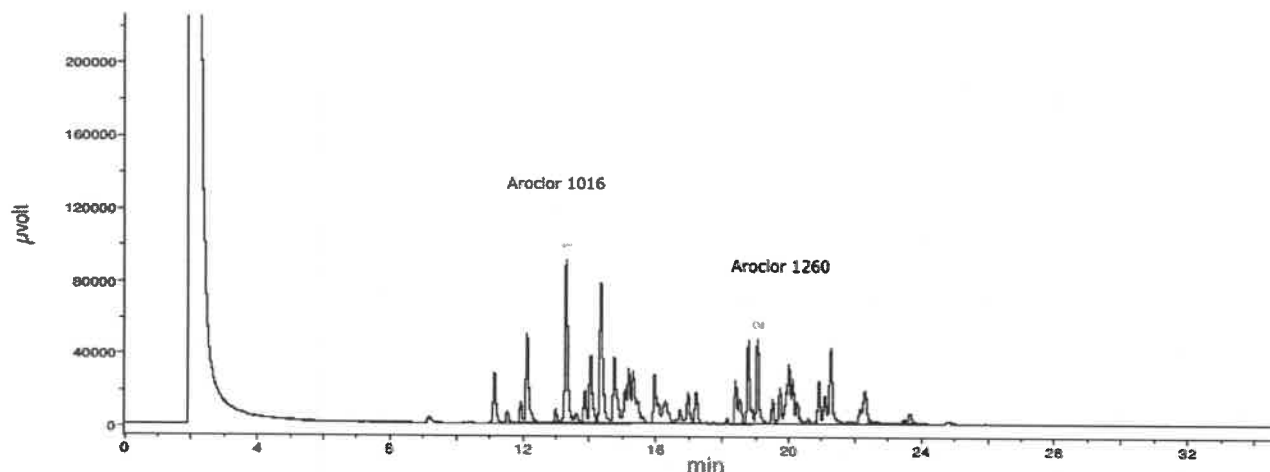
P12946
↓
P12955
748
12/20/23

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: Anthony Mahoney		121823 DATE
Reviewed By: Pedro L. Rentas		121823 DATE

Expiration Date: 121833
 Recommended Storage: Ambient (20 °C)
 Nominal Concentration (µg/mL): 100
 NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 20.0
 5E-05 Balance Uncertainty
 0.003 Flask Uncertainty

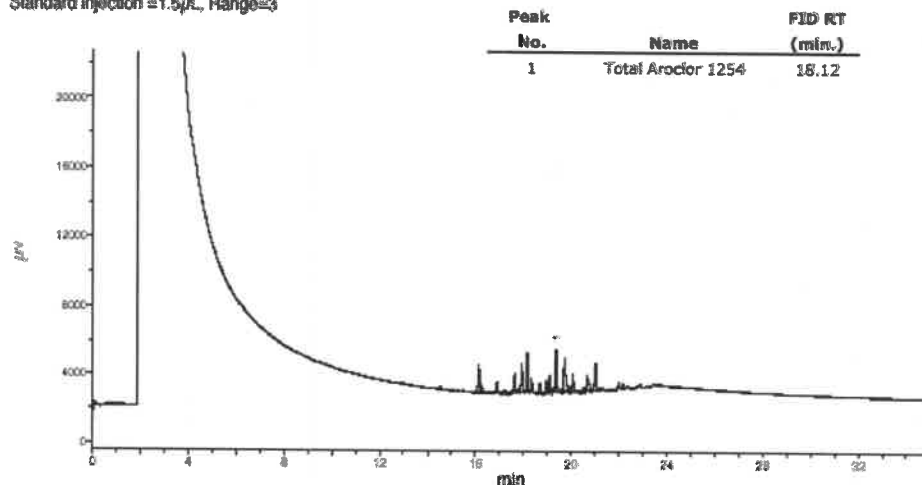
Note: Aroclor 1254 is a mix of isomers.

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

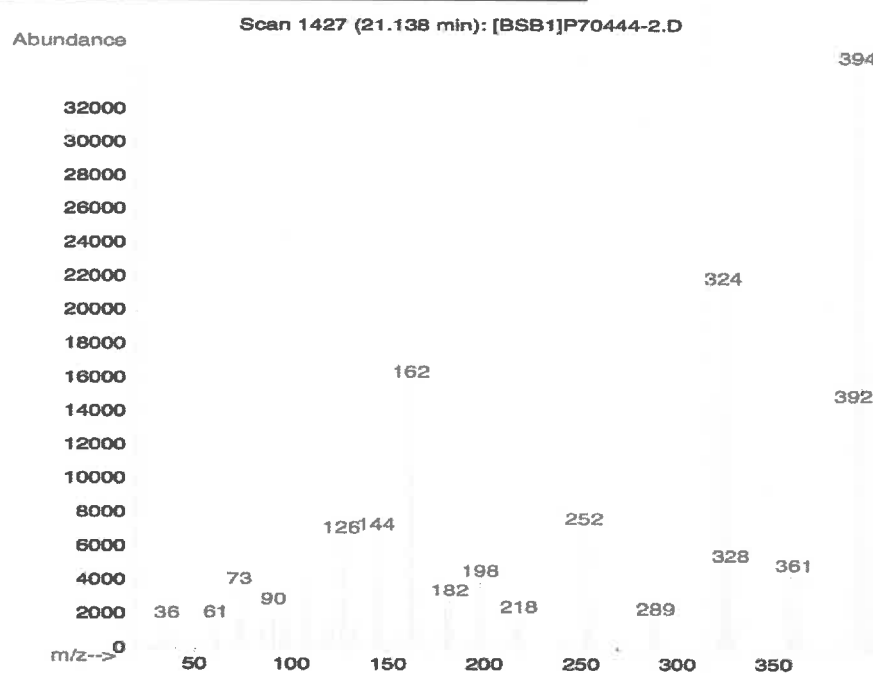
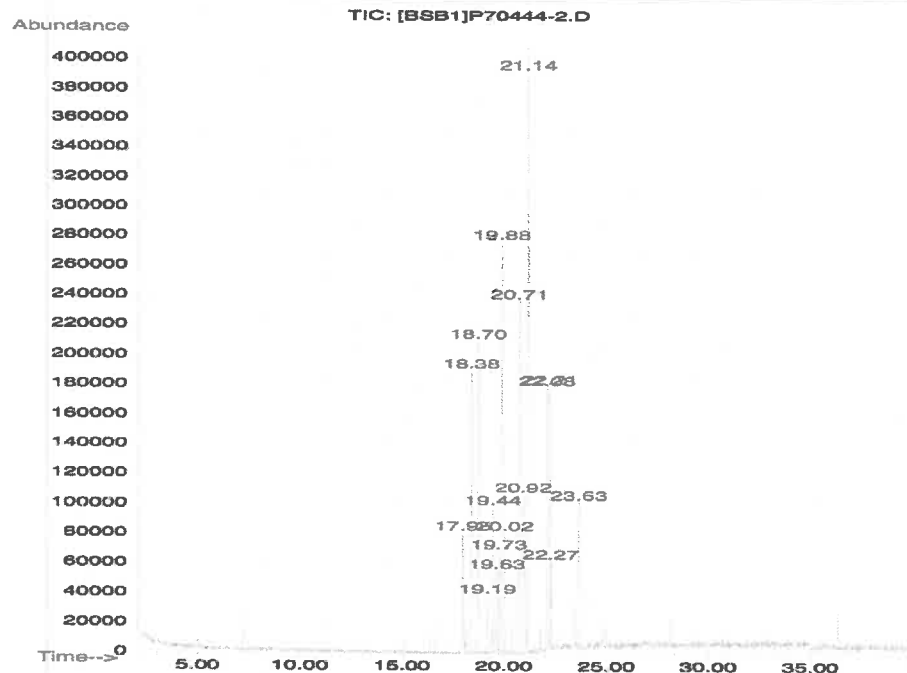
		112322
Formulated By:	Prashant Chauhan	DATE
		112322
Reviewed By:	Pedro L. Rentas	DATE

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).

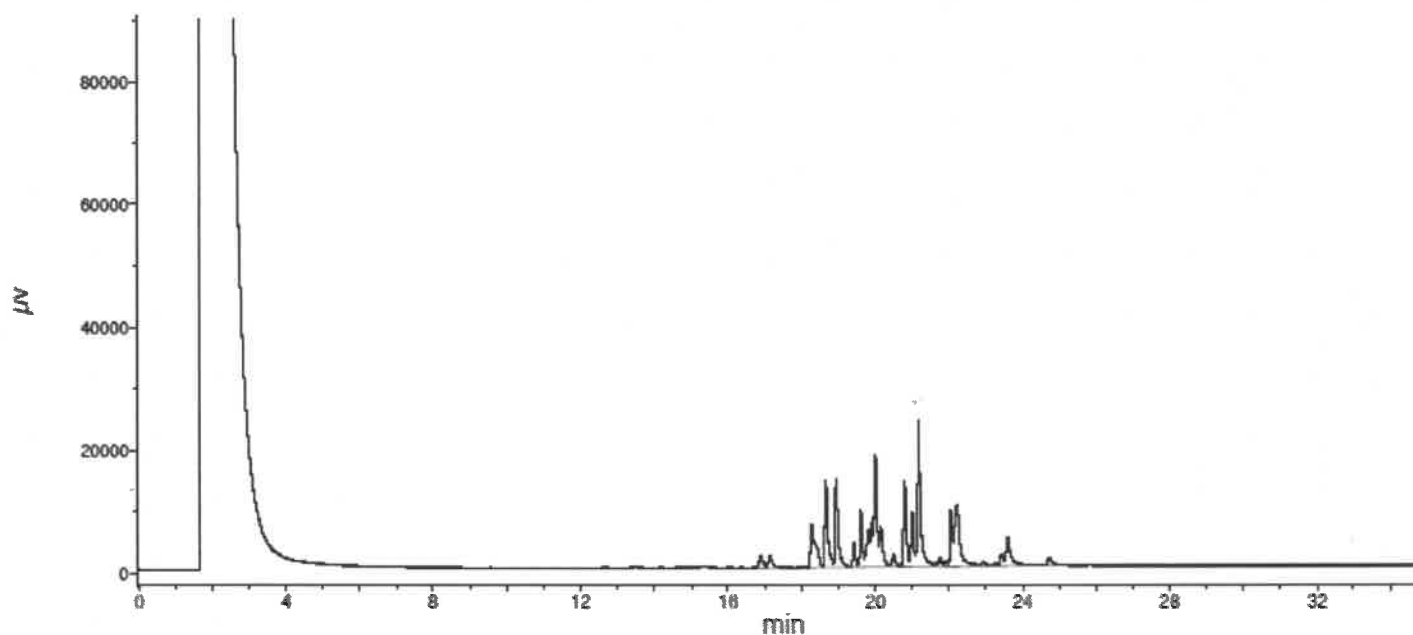


Run 20, "P90165 L112322 [1000µg/mL in hexane]"

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.)

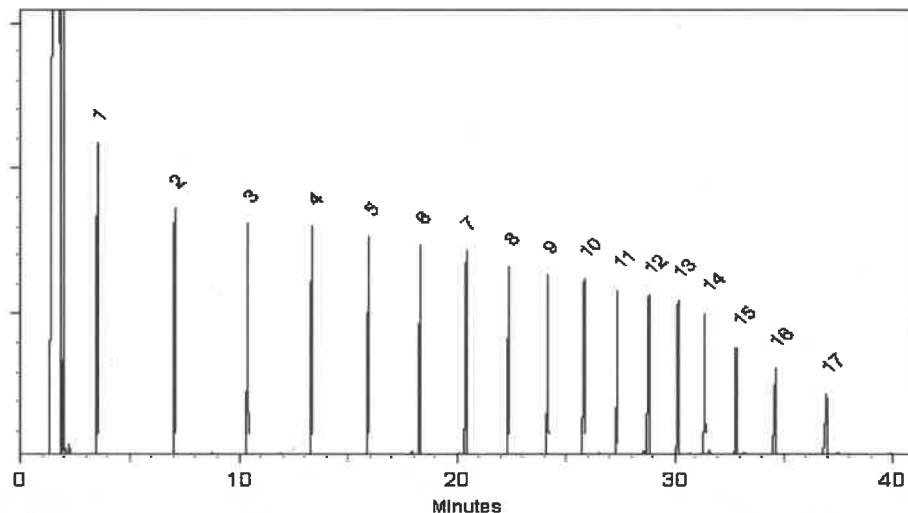
Inj. Temp:
 250°C

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/ μ ECD, 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.)

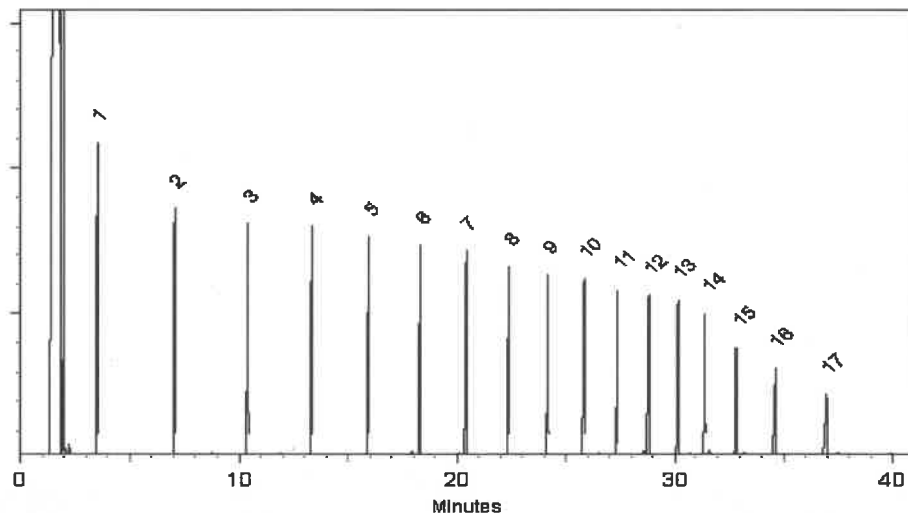
Inj. Temp:
 250°C

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:

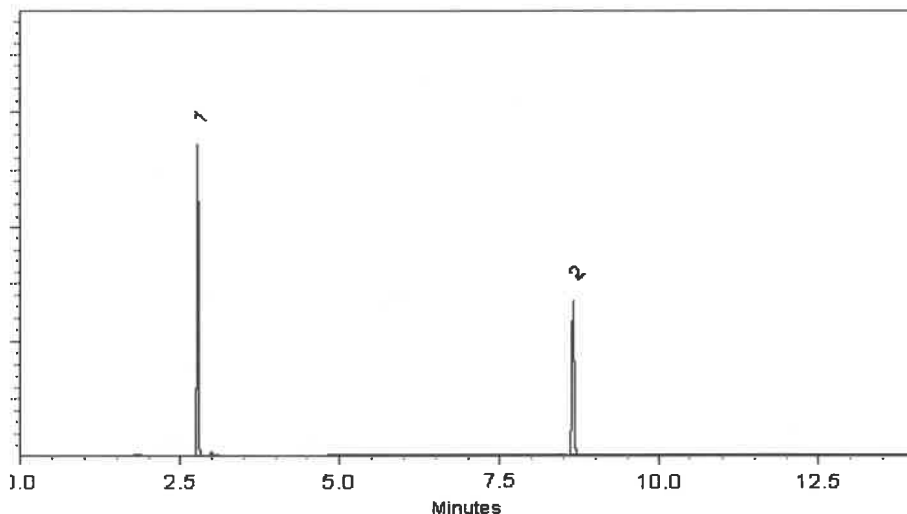
ECD

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

P13348
↓
P13357
SAUF
04/25/2025
(10)



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:

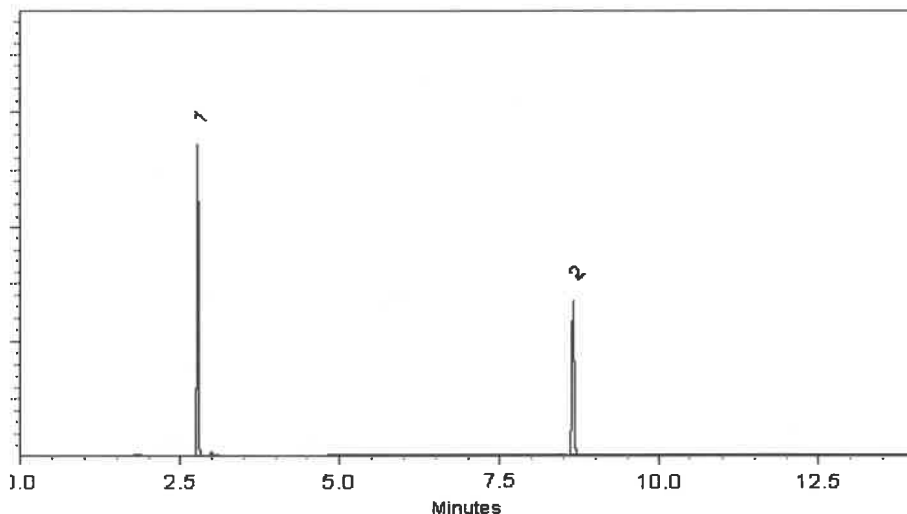
ECD

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

Chemtech

Phone: (908) 789-8900

Fax: (908) 789-8922

284 Sheffield Street, Mountainside, NJ 07092

Company Name: Nobis Group

Address: 55 Technology Drive Suite 101, Lowell, MA 01851

Phone: 978-703-6014

Project Name: Raymark

Project Location: Stratford, CT

Project Number: 95700

Project Manager: Adam Roy

Con-Test Quote Name/Number:

Invoice Recipient:

Sampled By: P. Moran

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page 1 of 1

Requested Turnaround Time								Dissolved Metals Samples					ANALYSIS REQUESTED												Preservation Code	
Rush-Approval Required								Orthophosphate Samples																		
Data Delivery								PCB ONLY																		
Format: PDF ☒ EXCEL ☒								SOXHLET ☐																		
Other: <u>EQUIS EDD</u>								NON SOXHLET ☐																		
CLP Like Data Pkg Required: ☐ No																										
Email To: <u>aroy@nobis-group.com</u>																										
Fax To #:																										
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	Total and SPLP Vanadium	Glassware in the fridge? Y / N	Glassware in freezer? Y / N	Prepackaged Cooler? Y / N		
	004-VSL-07-121224	12/12/24	1000	Grab	S	U	3	2	1			X	X	X	X	X	X	X	X	X						
	004-VSL-08-121224		1010				3	2	1			X	X	X	X	X	X	X	X	X						
	004-VSL-09-121224		1020				3	2	1			X	X	X	X	X	X	X	X	X						
	004-VSL-10-121224		1030				3	2	1			X	X	X	X	X	X	X	X	X						
	004-VSL-11-121224		1040				3	2	1			X	X	X	X	X	X	X	X	X						
	004-VSL-12-121224		1050				3	2	1			X	X	X	X	X	X	X	X	X						
	004-VSL-13-121224		1100				3	2	1			X	X	X	X	X	X	X	X	X						
	004-VSL-14-121224		1110				3	2	1			X	X	X	X	X	X	X	X	X						
	004-VSL-06R-121224		1115				0	2	0												X					
Relinquished by: (signature)		Date/Time: 12/13/24 1130		Client Comments: DI water preserved samples frozen on 12/12/24																						
Received by: (signature)		Date/Time: 12-17-24 9:50																								
Relinquished by: (signature)		Date/Time:		Detection Limit Requirements				Special Requirements				Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown														
Received by: (signature)		Date/Time:		MA				MA MCP Required																		
Relinquished by: (signature)		Date/Time:		CT				MCP Certification Form Required																		
Received by: (signature)		Date/Time:		Other:				CT RCP Required																		
Relinquished by: (signature)		Date/Time:		PWSID #				RCP Certification Form Required																		
Received by: (signature)		Date/Time:		MA State DW Required																						
Relinquished by: (signature)		Date/Time:		Project Entity				NELAP and AIHA-LAP, LLC Accredited																		
Received by: (signature)		Date/Time:		Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Other ☐ Chromatogram ☐ AIHA-LAP, LLC ☐				Federal ☐ 21 J ☐ School ☐				City ☐ Brownfield ☐ MBTA ☐														
Lab Comments:																										
Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.																										

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5306	NOBI03	Order Date : 12/17/2024 10:24:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 12/17/2024 9:50:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5306-01	OU4-VSL-07-121224	Solid	12/12/2024	10:00					
					VOCMS Group3		8260D	10 Bus. Days	
P5306-03	OU4-VSL-08-121224	Solid	12/12/2024	10:10					
					VOCMS Group3		8260D	10 Bus. Days	
P5306-05	OU4-VSL-09-121224	Solid	12/12/2024	10:20					
					VOCMS Group3		8260D	10 Bus. Days	
P5306-07	OU4-VSL-10-121224	Solid	12/12/2024	10:30					
					VOCMS Group3		8260D	10 Bus. Days	
P5306-09	OU4-VSL-11-121224	Solid	12/12/2024	10:40					
					VOCMS Group3		8260D	10 Bus. Days	
P5306-11	OU4-VSL-12-121224	Solid	12/12/2024	10:50					
					VOCMS Group3		8260D	10 Bus. Days	
P5306-13	OU4-VSL-13-121224	Solid	12/12/2024	11:00					
					VOCMS Group3		8260D	10 Bus. Days	
P5306-15	OU4-VSL-14-121224	Solid	12/12/2024	11:15 11:10					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5306	NOBI03	Order Date : 12/17/2024 10:24:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 12/17/2024 9:50:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D	10 Bus. Days	

Relinquished By : 
Date / Time : 12-17-24 1230

Received By : 
Date / Time : 12-17-24 12:30

Storage Area : VOA Refridgerator Room

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

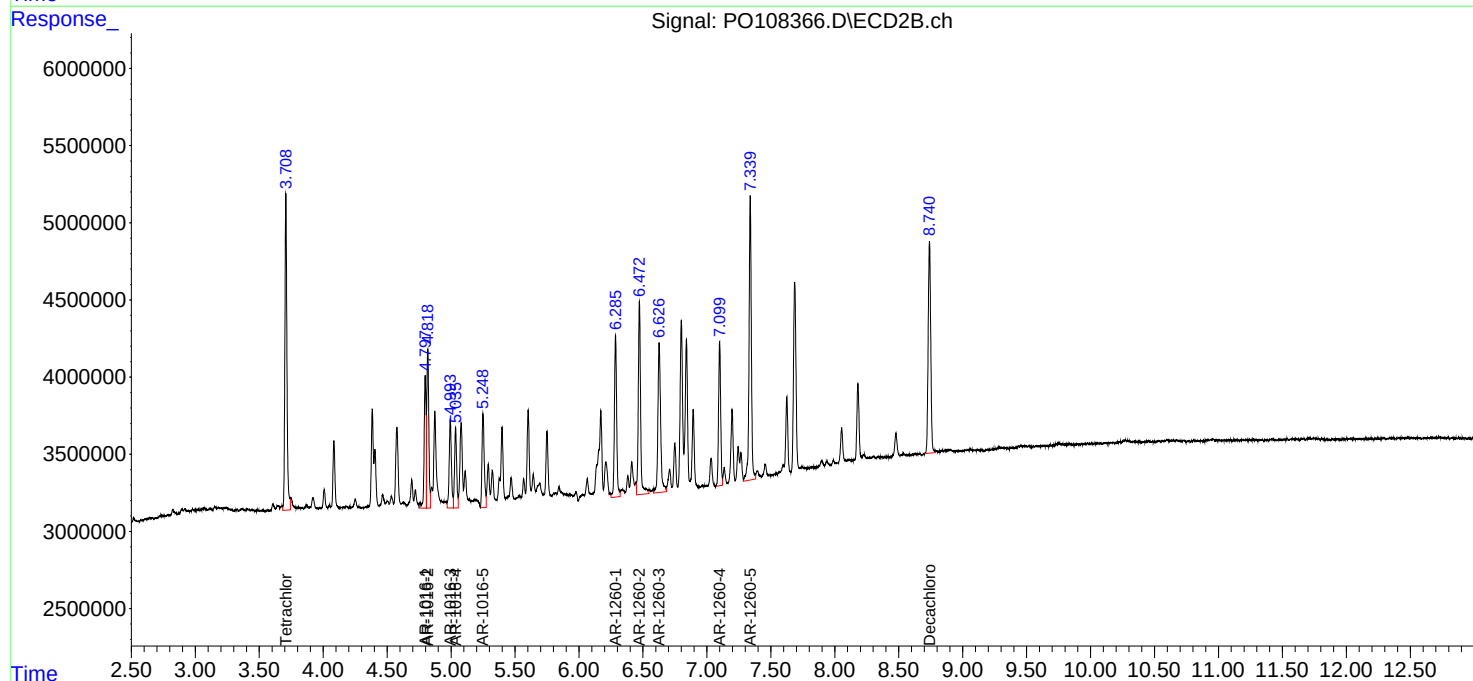
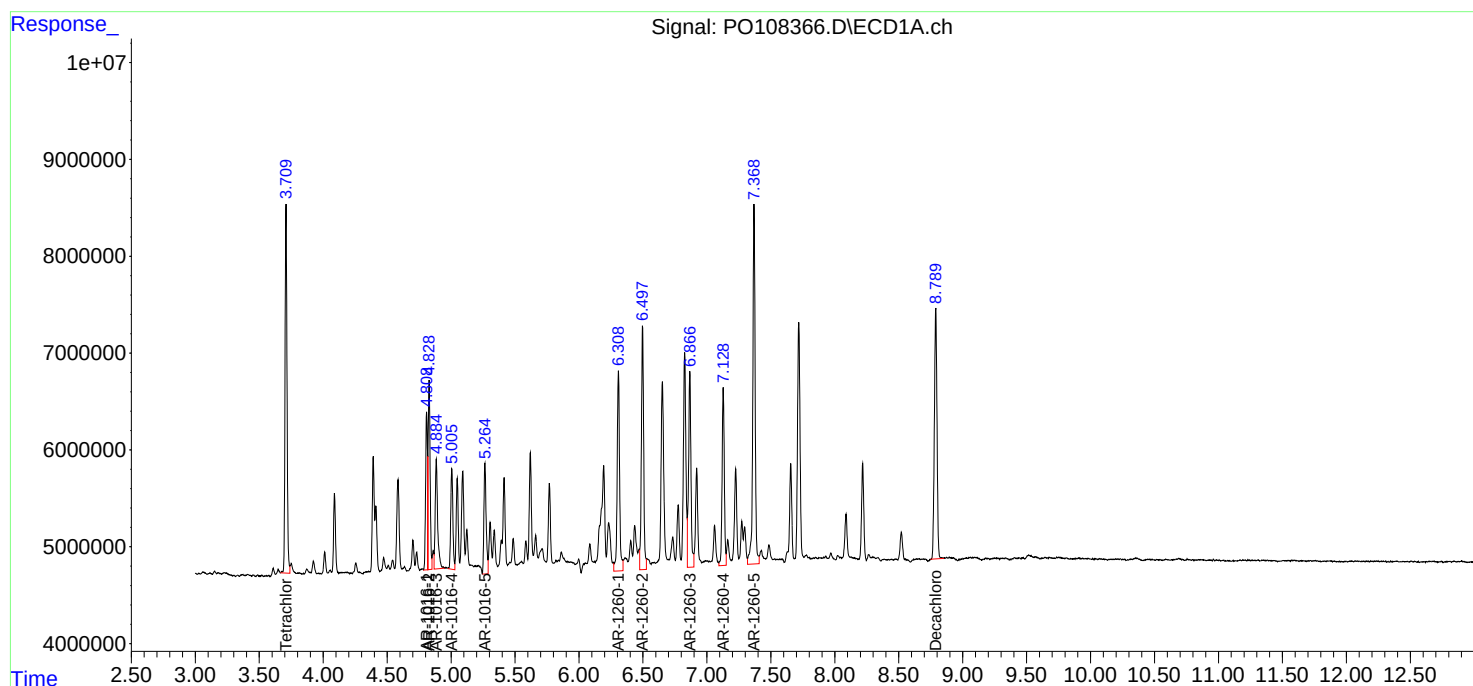
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

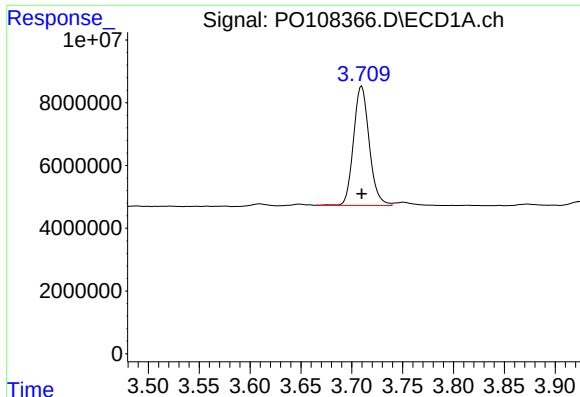
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 15:33
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

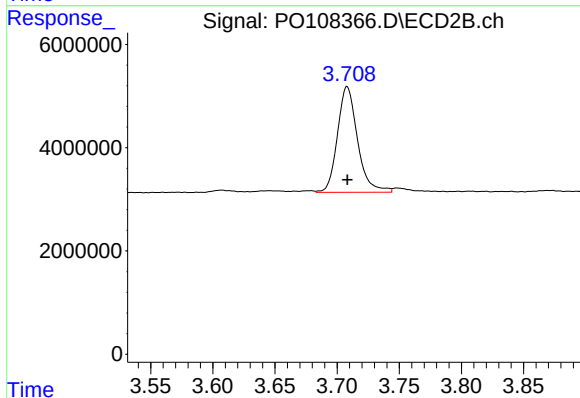




#1 Tetrachloro-m-xylene

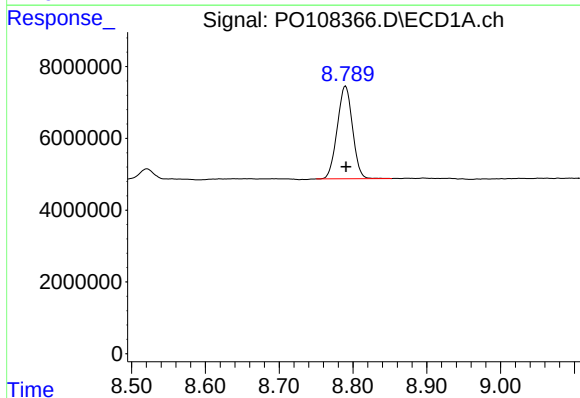
R.T.: 3.710 min
Delta R.T.: 0.000 min
Response: 40888009
Conc: 4.58 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



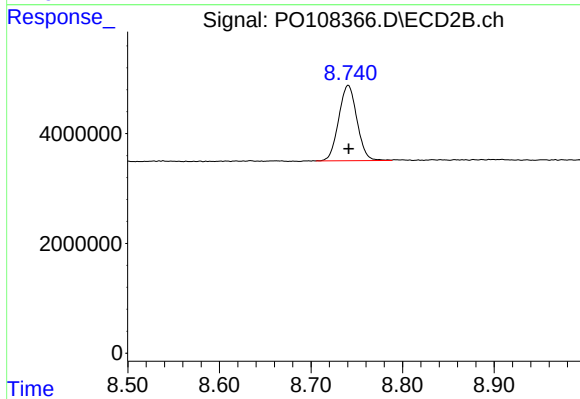
#1 Tetrachloro-m-xylene

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



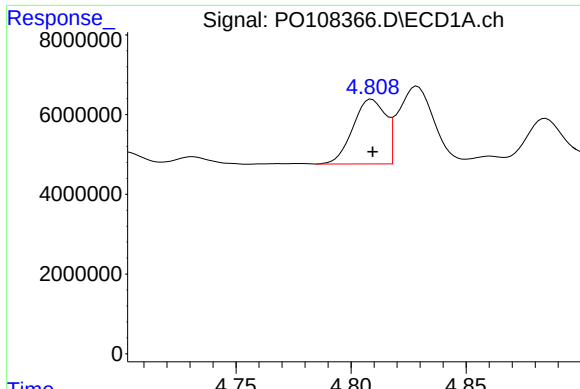
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

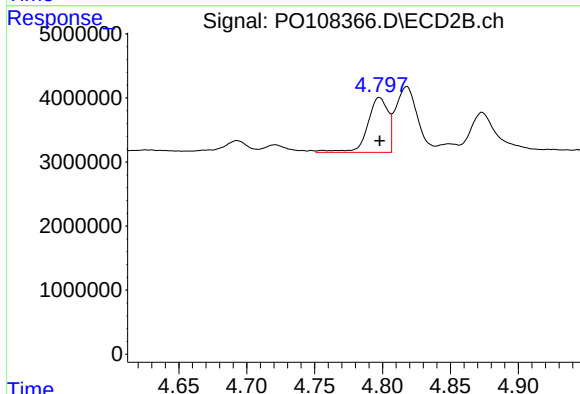
R.T.: 8.741 min
Delta R.T.: 0.000 min
Response: 19012827
Conc: 4.84 ng/ml



#3 AR-1016-1

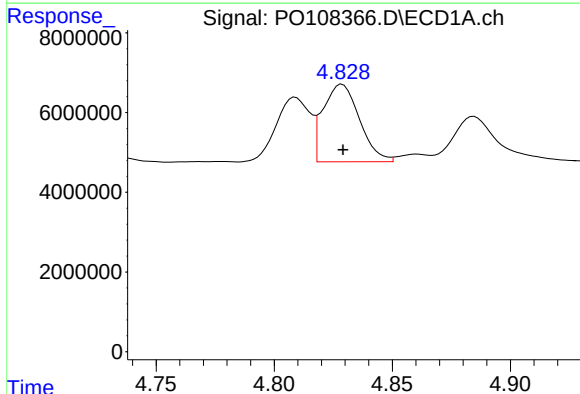
R.T.: 4.809 min
Delta R.T.: 0.000 min
Response: 16113835
Conc: 51.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



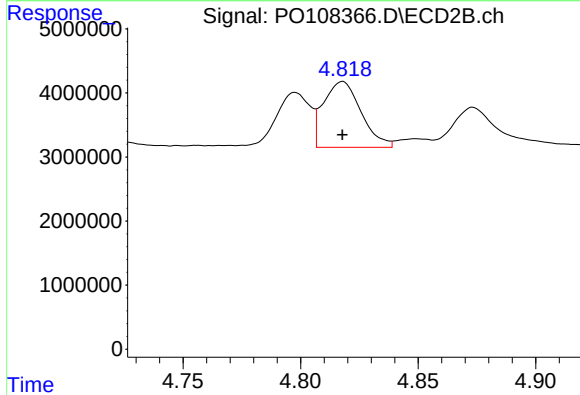
#3 AR-1016-1

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 8989618
Conc: 55.50 ng/ml



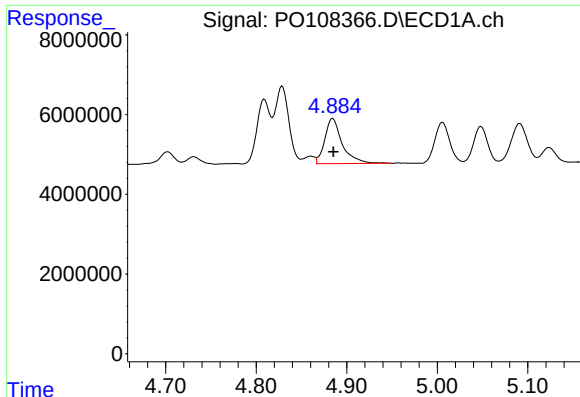
#4 AR-1016-2

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



#4 AR-1016-2

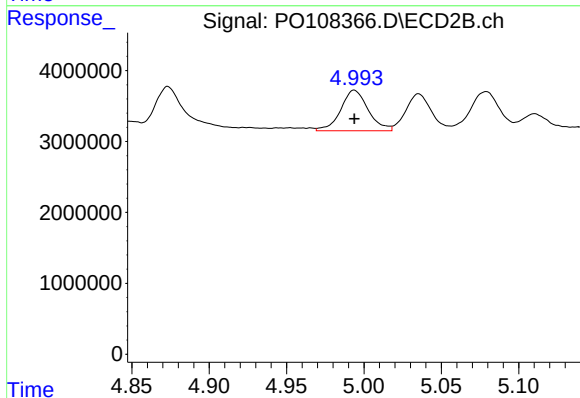
R.T.: 4.818 min
Delta R.T.: 0.000 min
Response: 11430720
Conc: 50.86 ng/ml



#5 AR-1016-3

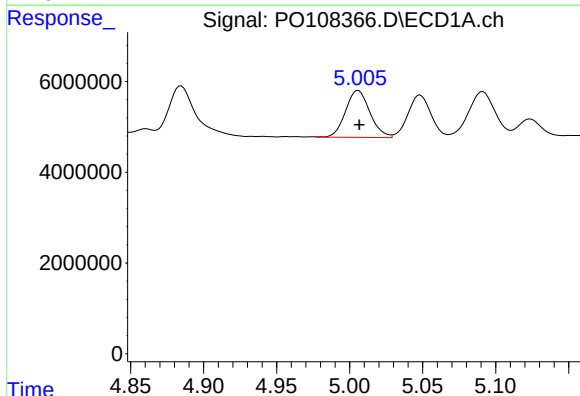
R.T.: 4.885 min
Delta R.T.: 0.000 min
Response: 15163571
Conc: 51.36 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



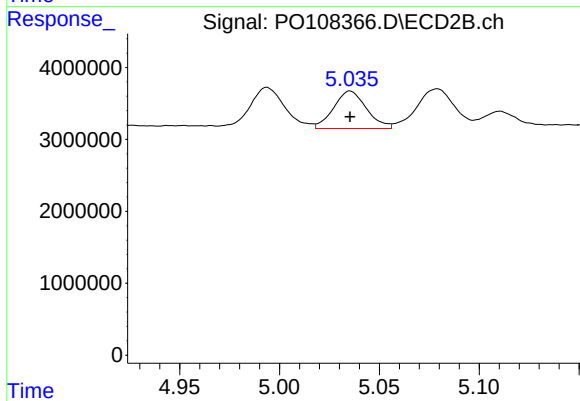
#5 AR-1016-3

R.T.: 4.994 min
Delta R.T.: 0.000 min
Response: 7090476
Conc: 55.84 ng/ml



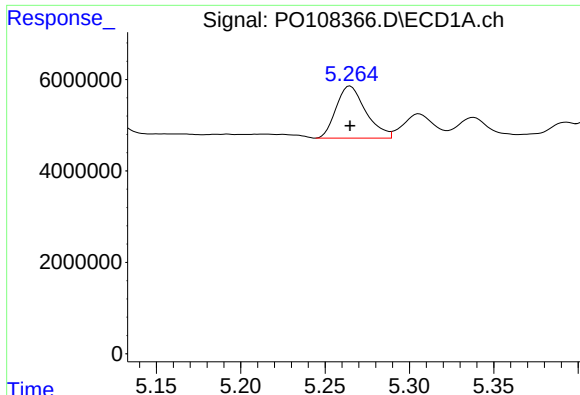
#6 AR-1016-4

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



#6 AR-1016-4

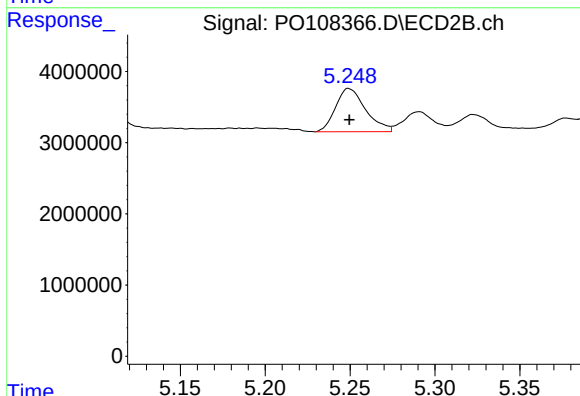
R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 5969454
Conc: 56.28 ng/ml



#7 AR-1016-5

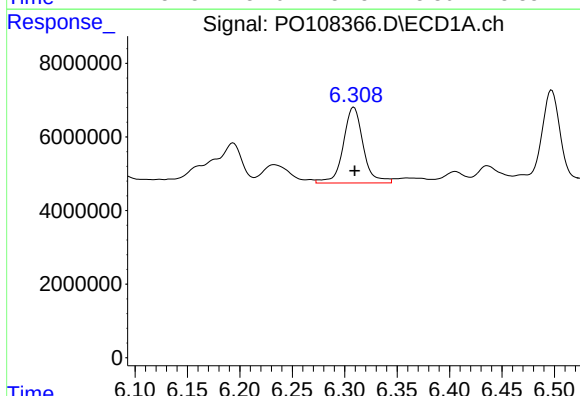
R.T.: 5.265 min
Delta R.T.: 0.000 min
Response: 13968228
Conc: 56.04 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



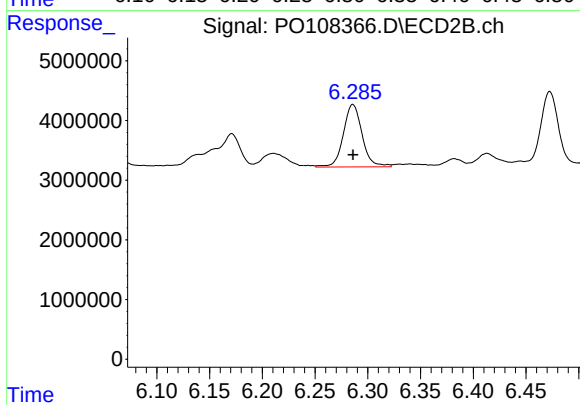
#7 AR-1016-5

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



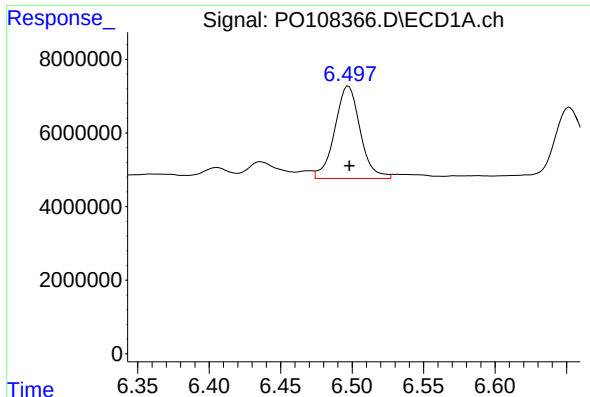
#31 AR-1260-1

R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 27163321
Conc: 59.29 ng/ml



#31 AR-1260-1

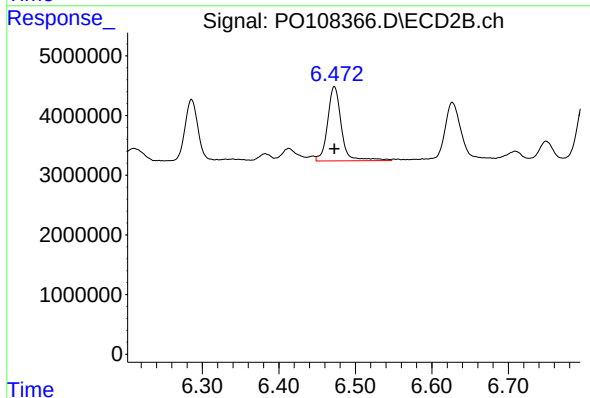
R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 12936573
Conc: 55.43 ng/ml



#32 AR-1260-2

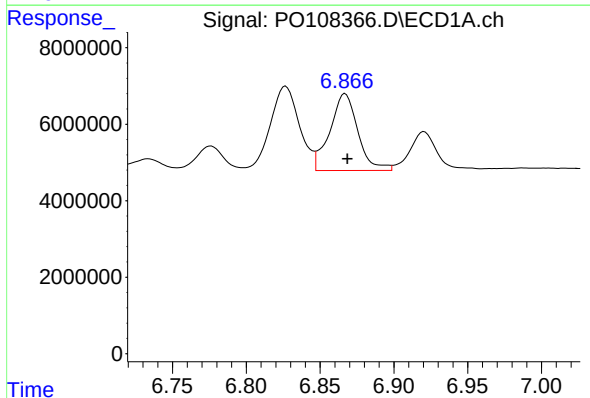
R.T.: 6.497 min
Delta R.T.: 0.000 min
Response: 31139251
Conc: 56.03 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



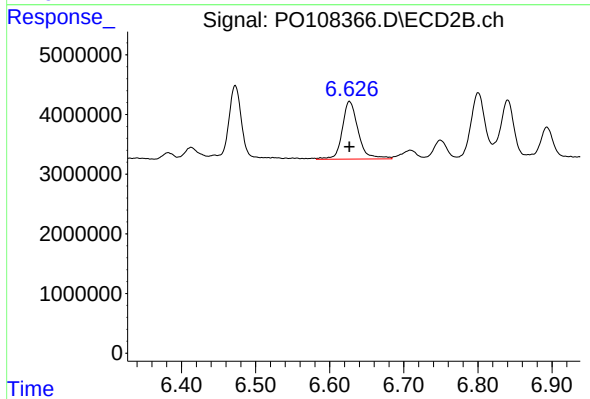
#32 AR-1260-2

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 15589768
Conc: 55.91 ng/ml



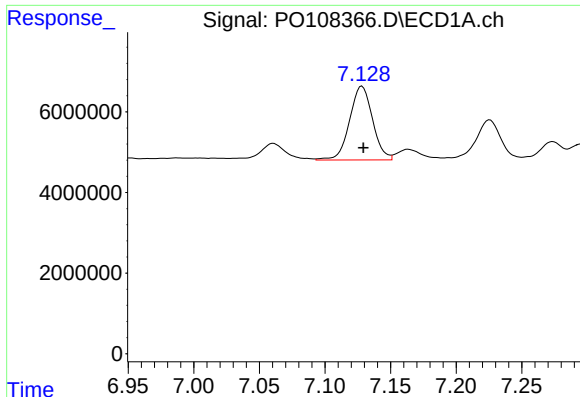
#33 AR-1260-3

R.T.: 6.867 min
Delta R.T.: -0.001 min
Response: 26586358
Conc: 57.28 ng/ml



#33 AR-1260-3

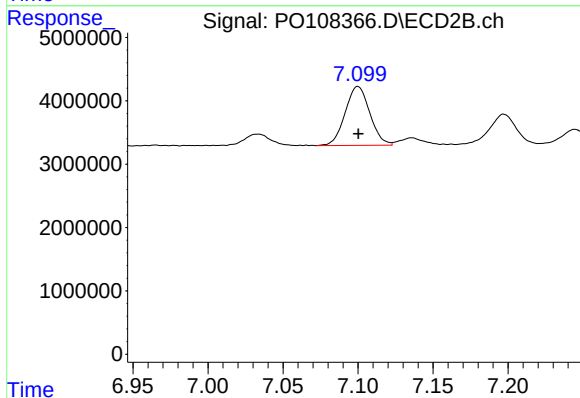
R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 14459323
Conc: 55.83 ng/ml



#34 AR-1260-4

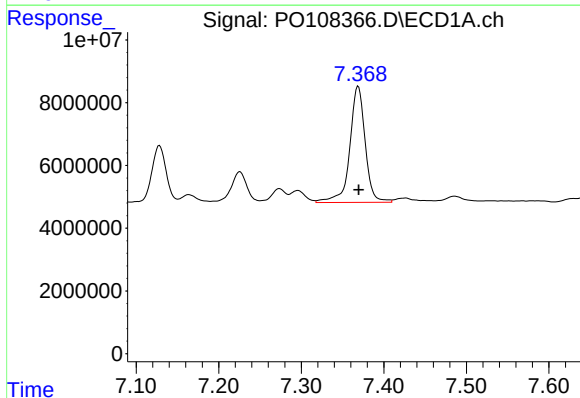
R.T.: 7.128 min
Delta R.T.: -0.001 min
Response: 22304325
Conc: 52.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1660ICC050



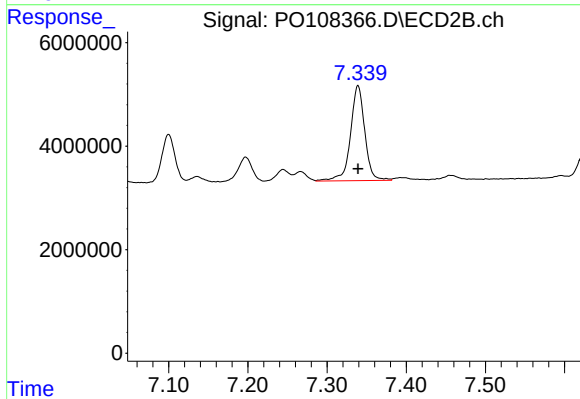
#34 AR-1260-4

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

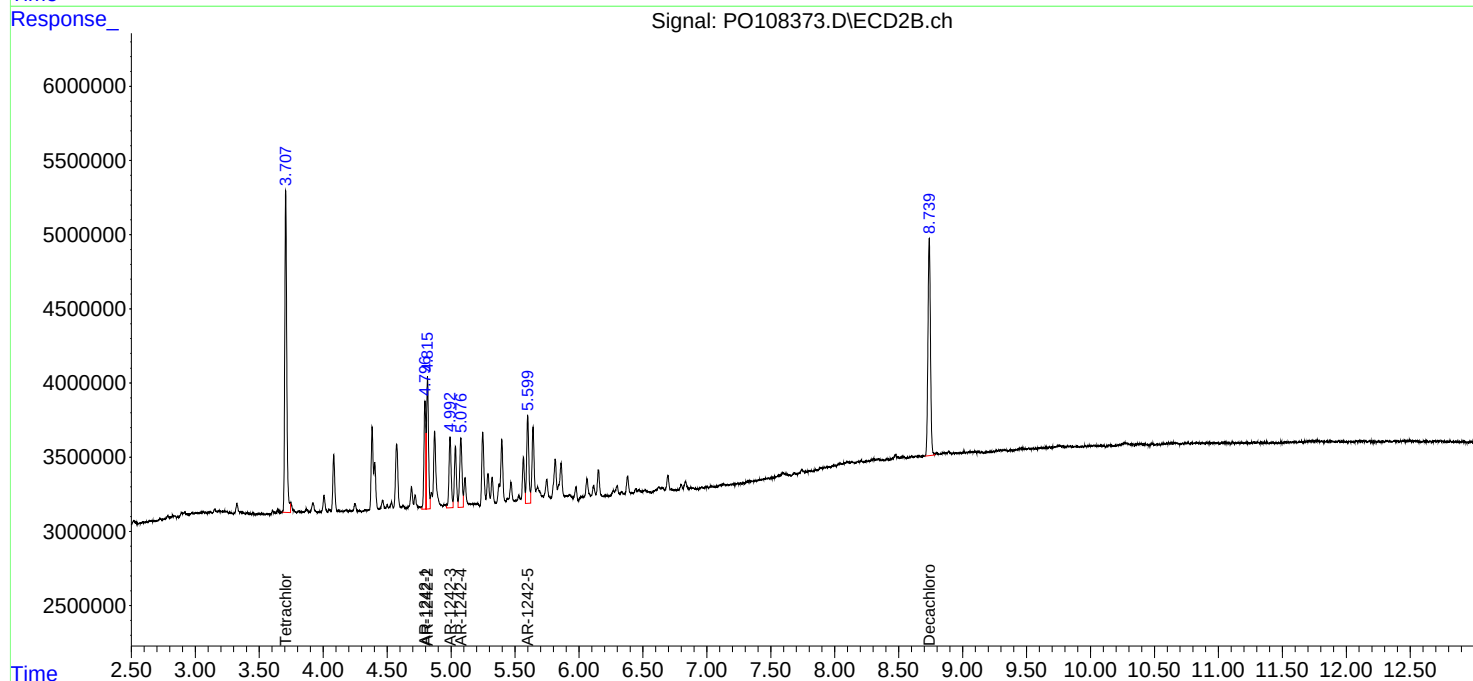
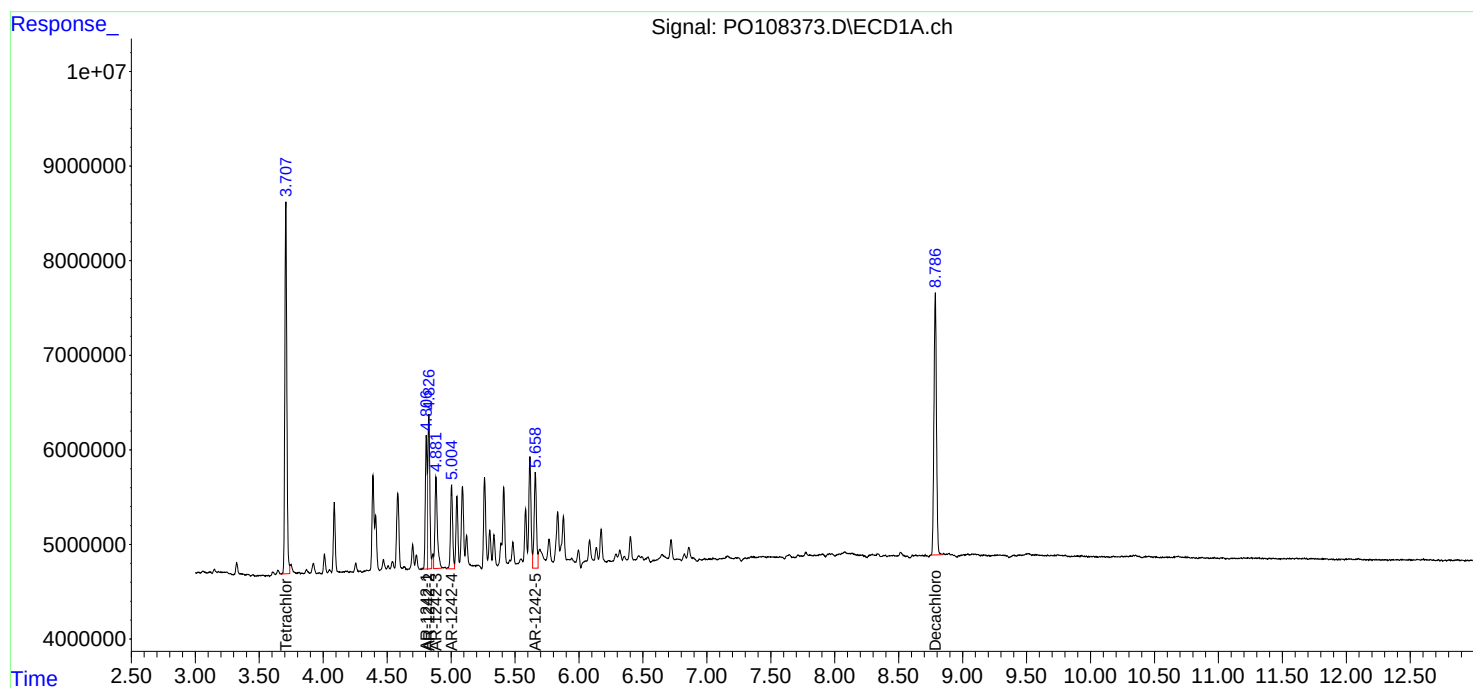
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

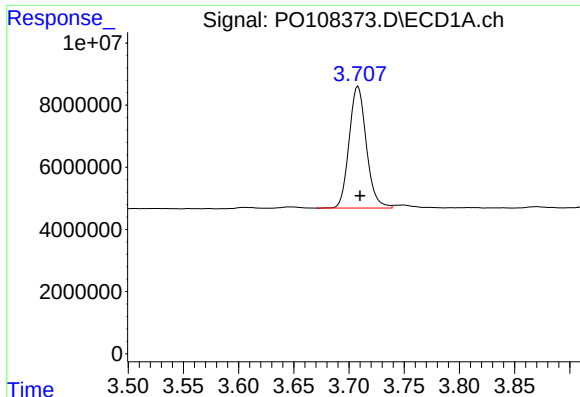
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 17:41
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

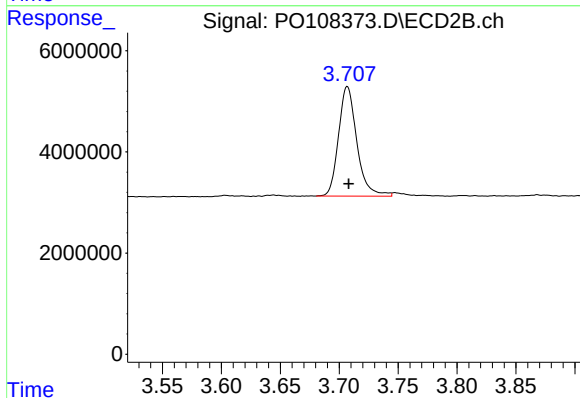




#1 Tetrachloro-m-xylene

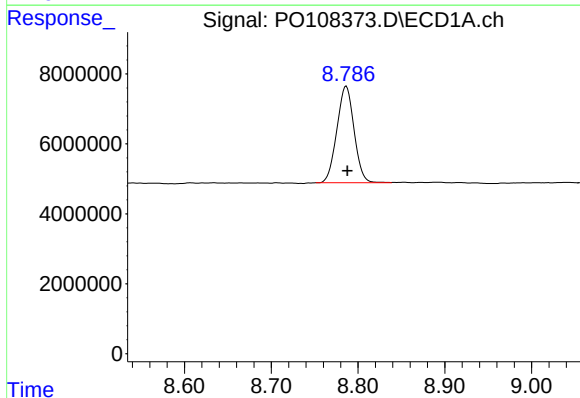
R.T.: 3.708 min
Delta R.T.: -0.002 min
Response: 42500192
Conc: 4.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



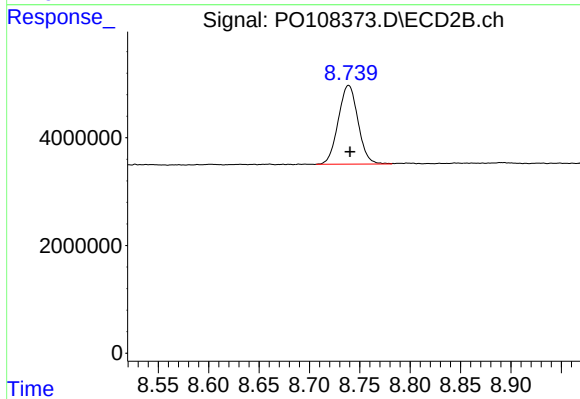
#1 Tetrachloro-m-xylene

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



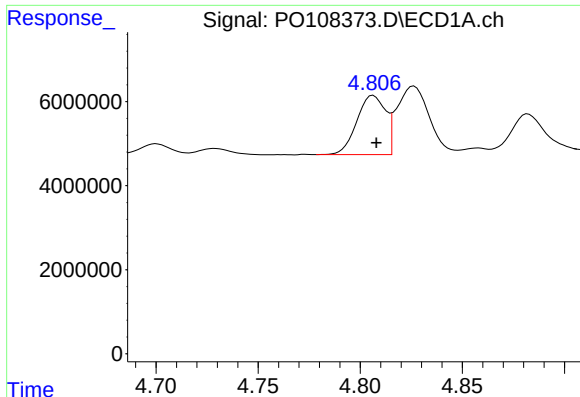
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

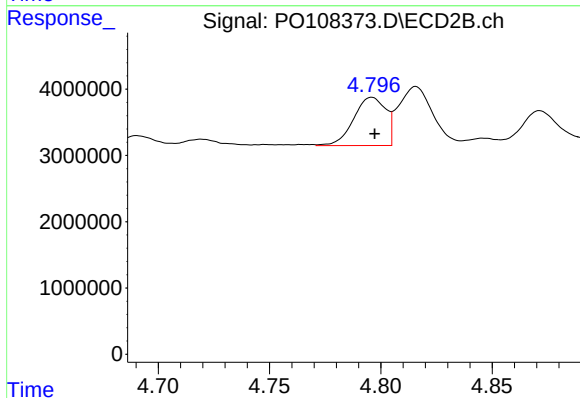
R.T.: 8.739 min
Delta R.T.: -0.001 min
Response: 19909368
Conc: 5.06 ng/ml



#16 AR-1242-1

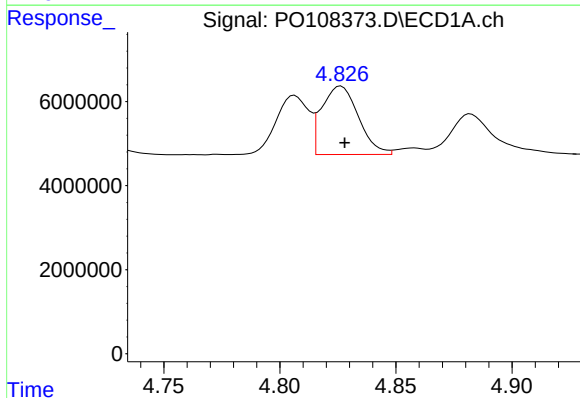
R.T.: 4.806 min
Delta R.T.: -0.001 min
Response: 13771137
Conc: 54.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



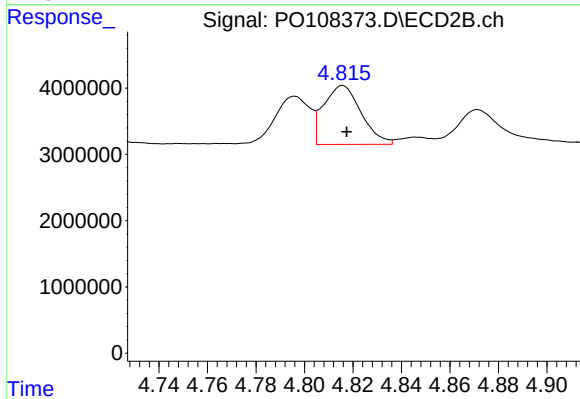
#16 AR-1242-1

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



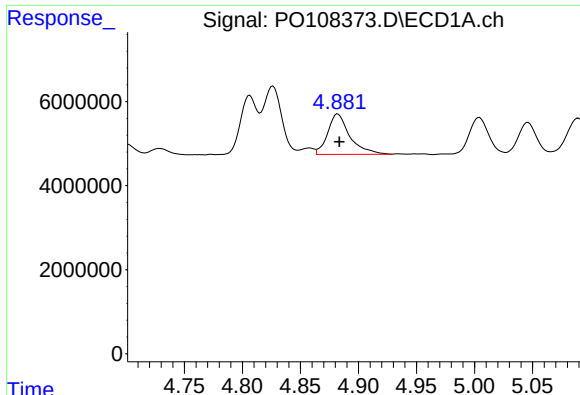
#17 AR-1242-2

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



#17 AR-1242-2

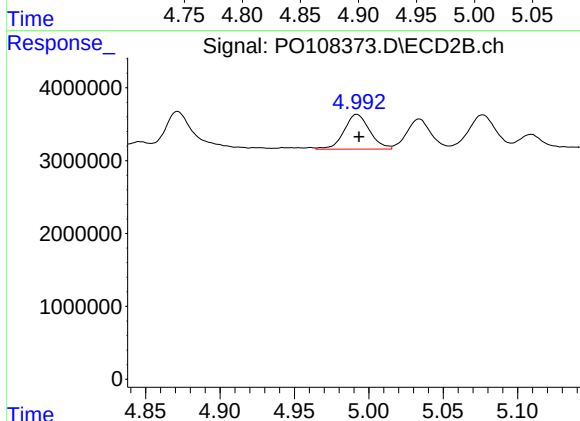
R.T.: 4.816 min
Delta R.T.: -0.002 min
Response: 9549021
Conc: 52.11 ng/ml



#18 AR-1242-3

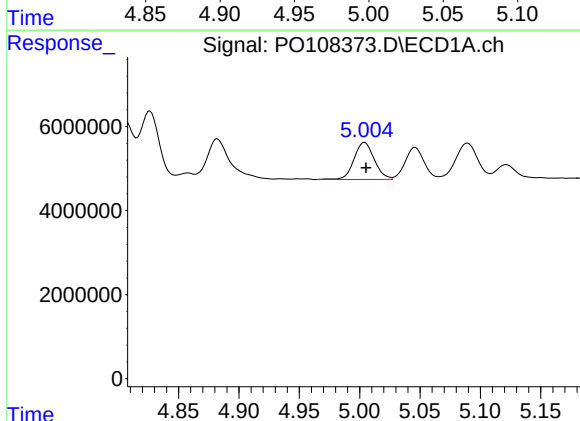
R.T.: 4.882 min
Delta R.T.: -0.001 min
Response: 12765923
Conc: 53.64 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1242ICC050



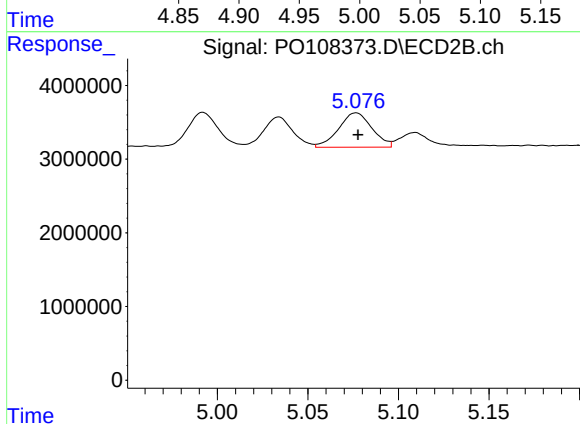
#18 AR-1242-3

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



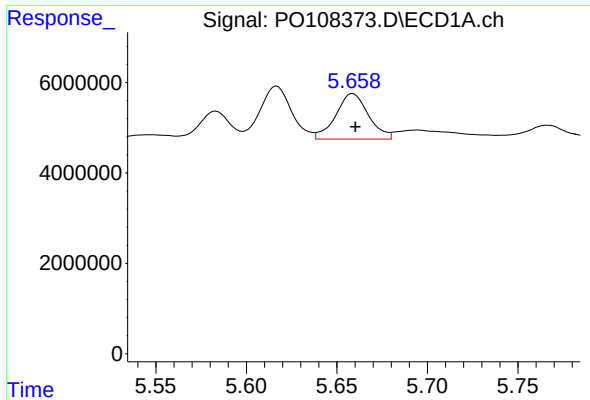
#19 AR-1242-4

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



#19 AR-1242-4

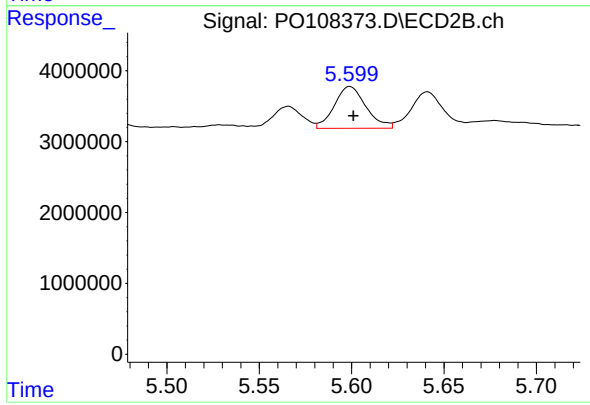
R.T.: 5.077 min
Delta R.T.: -0.001 min
Response: 5979654
Conc: 57.27 ng/ml



#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

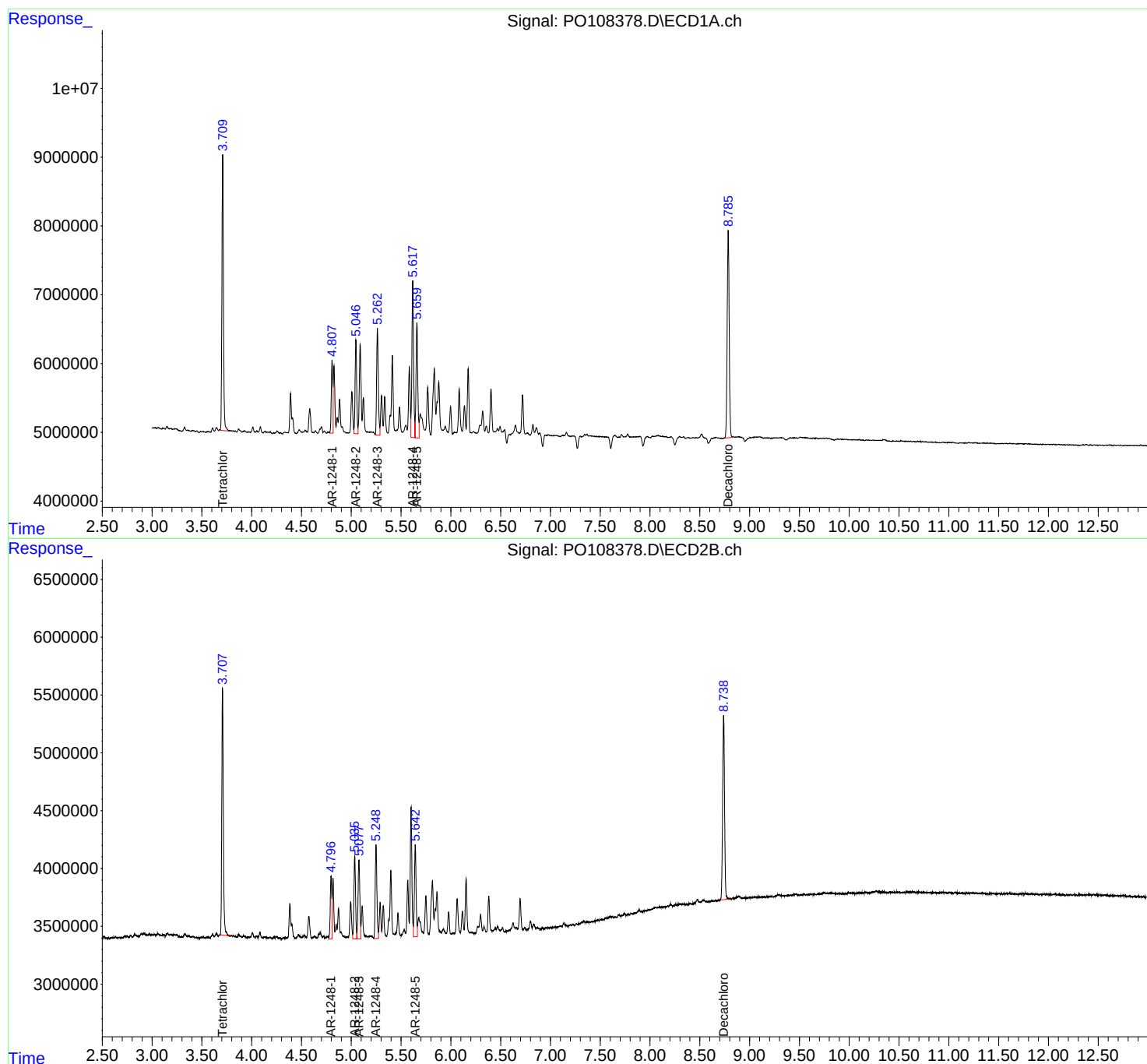
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

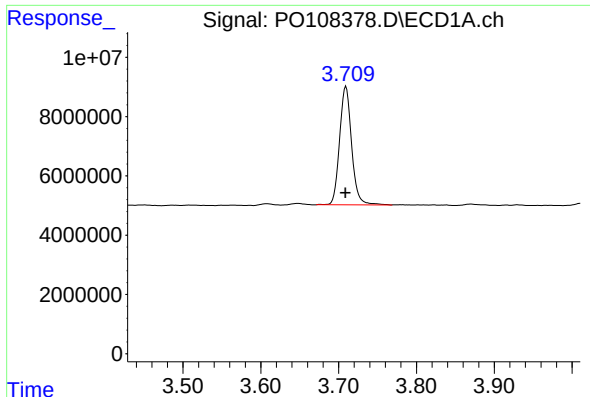
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 19:13
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

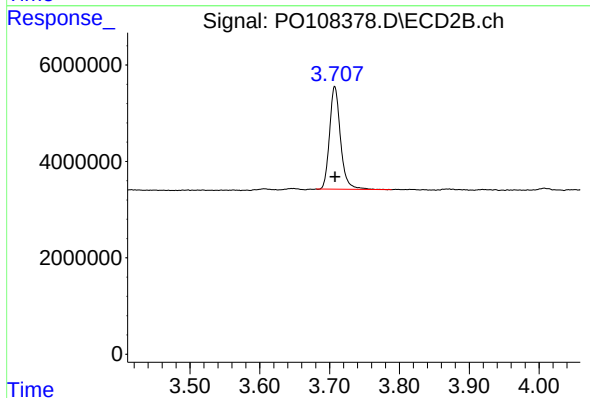




#1 Tetrachloro-m-xylene

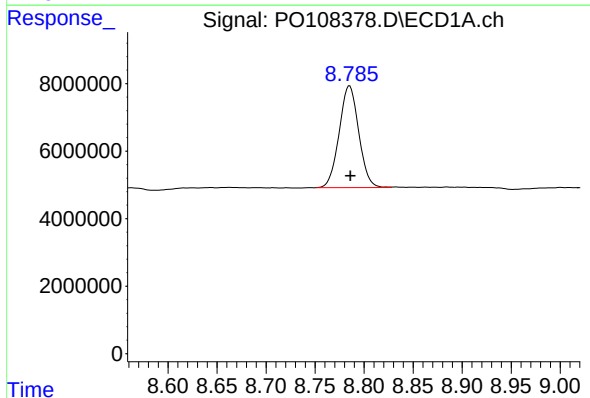
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 42888882
Conc: 4.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



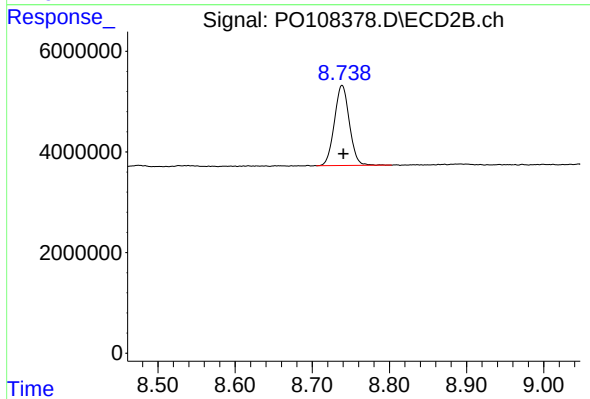
#1 Tetrachloro-m-xylene

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



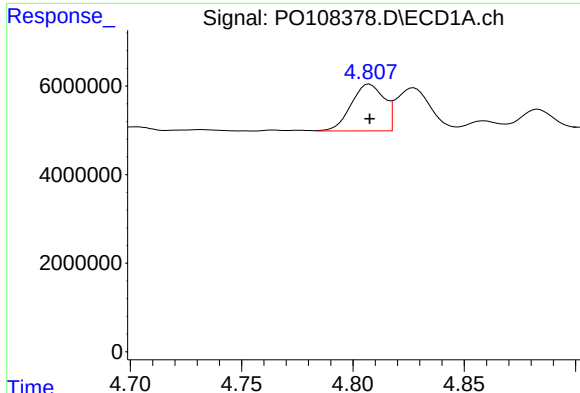
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

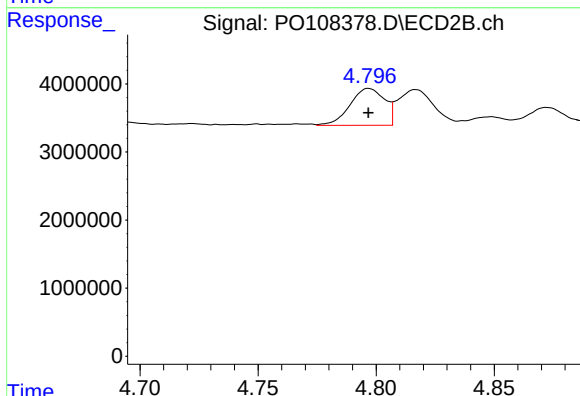
R.T.: 8.739 min
Delta R.T.: -0.002 min
Response: 21478364
Conc: 5.18 ng/ml



#21 AR-1248-1

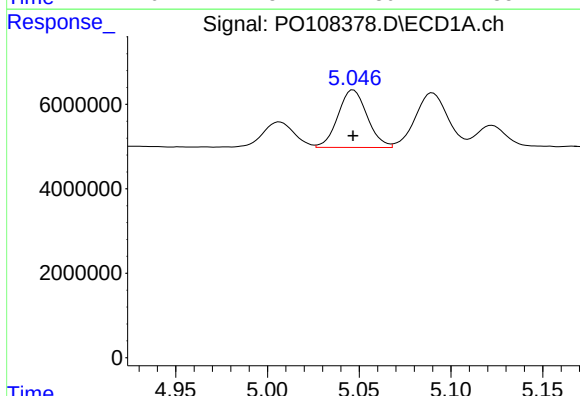
R.T.: 4.807 min
Delta R.T.: 0.000 min
Response: 10841588
Conc: 54.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



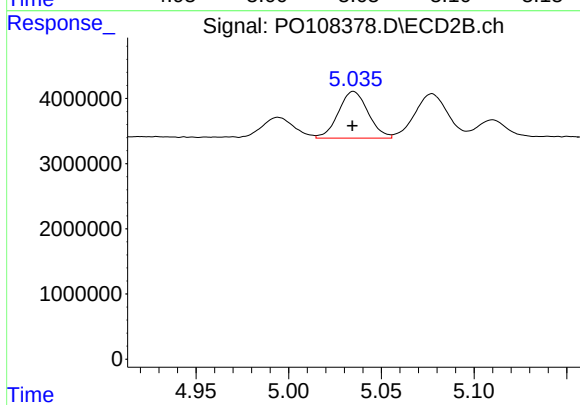
#21 AR-1248-1

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



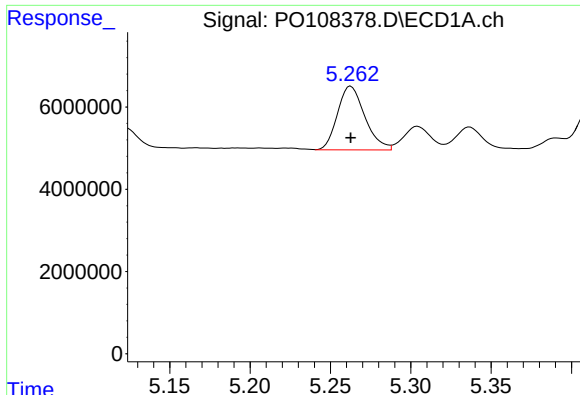
#22 AR-1248-2

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



#22 AR-1248-2

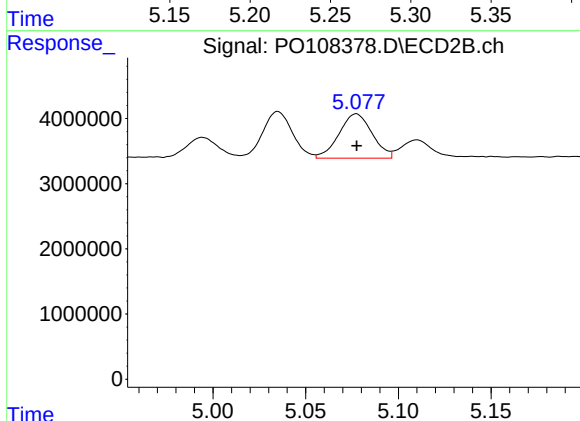
R.T.: 5.035 min
Delta R.T.: 0.000 min
Response: 7988873
Conc: 53.18 ng/ml



#23 AR-1248-3

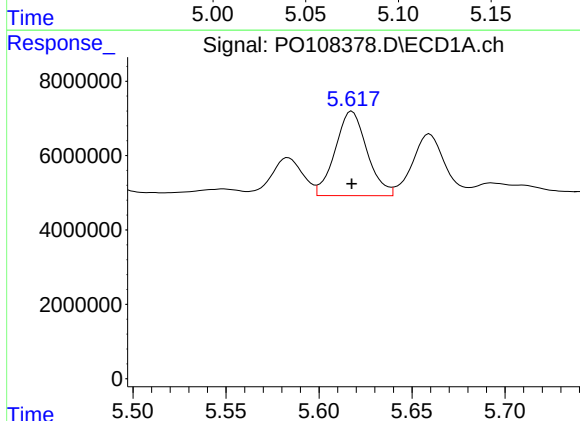
R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 18344955
Conc: 53.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1248ICC050



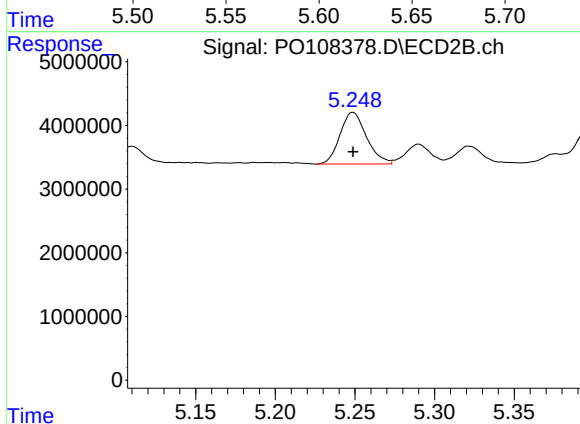
#23 AR-1248-3

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



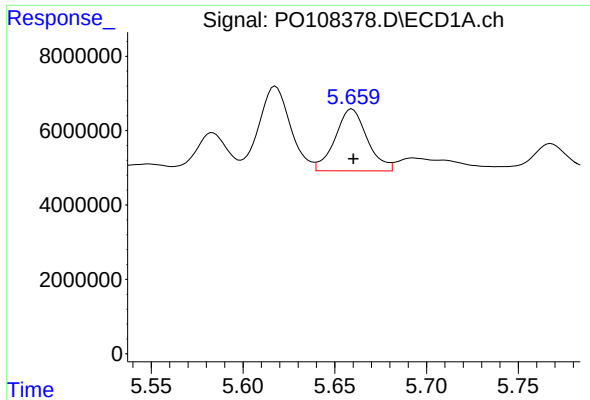
#24 AR-1248-4

R.T.: 5.618 min
Delta R.T.: 0.000 min
Response: 27084474
Conc: 56.49 ng/ml



#24 AR-1248-4

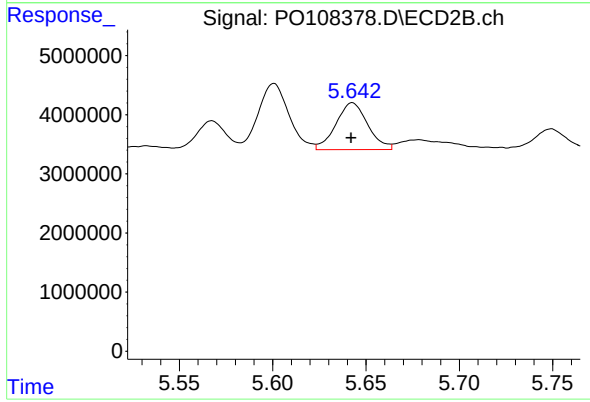
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 9427231
Conc: 51.01 ng/ml



#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

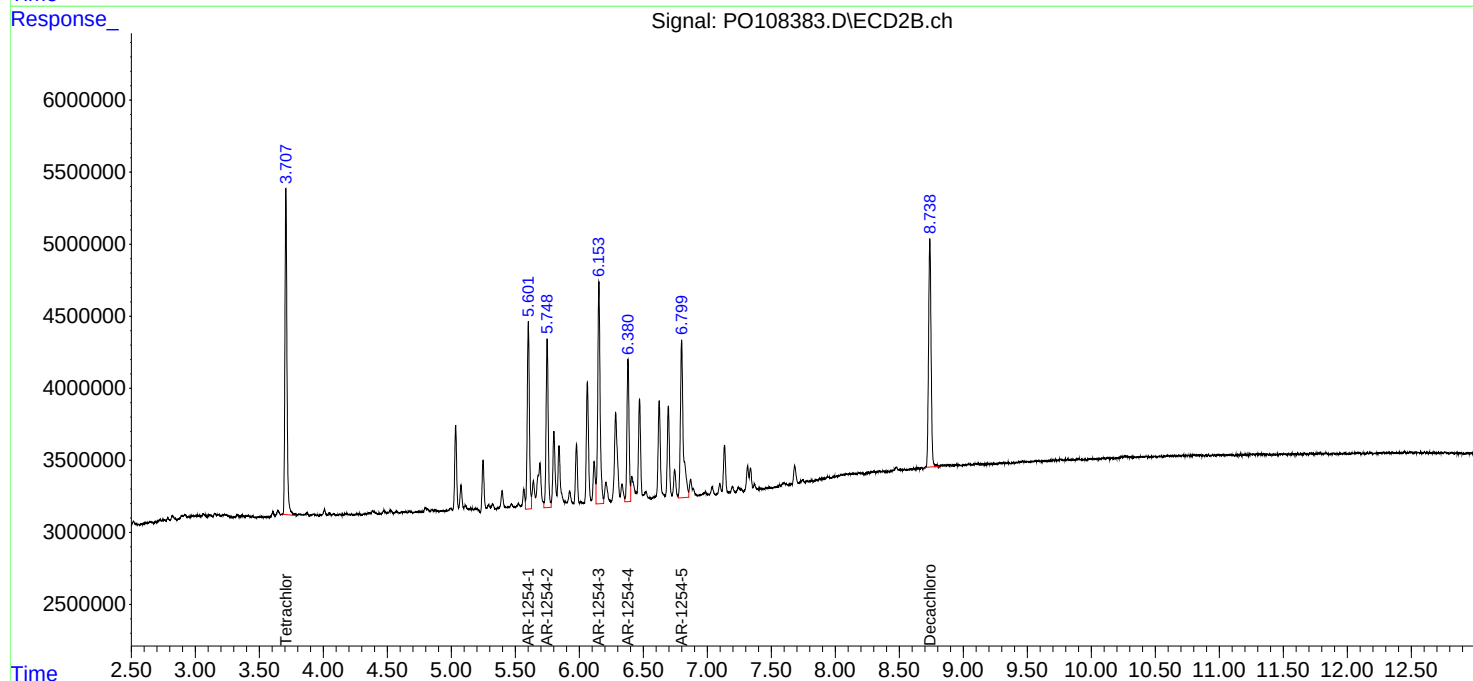
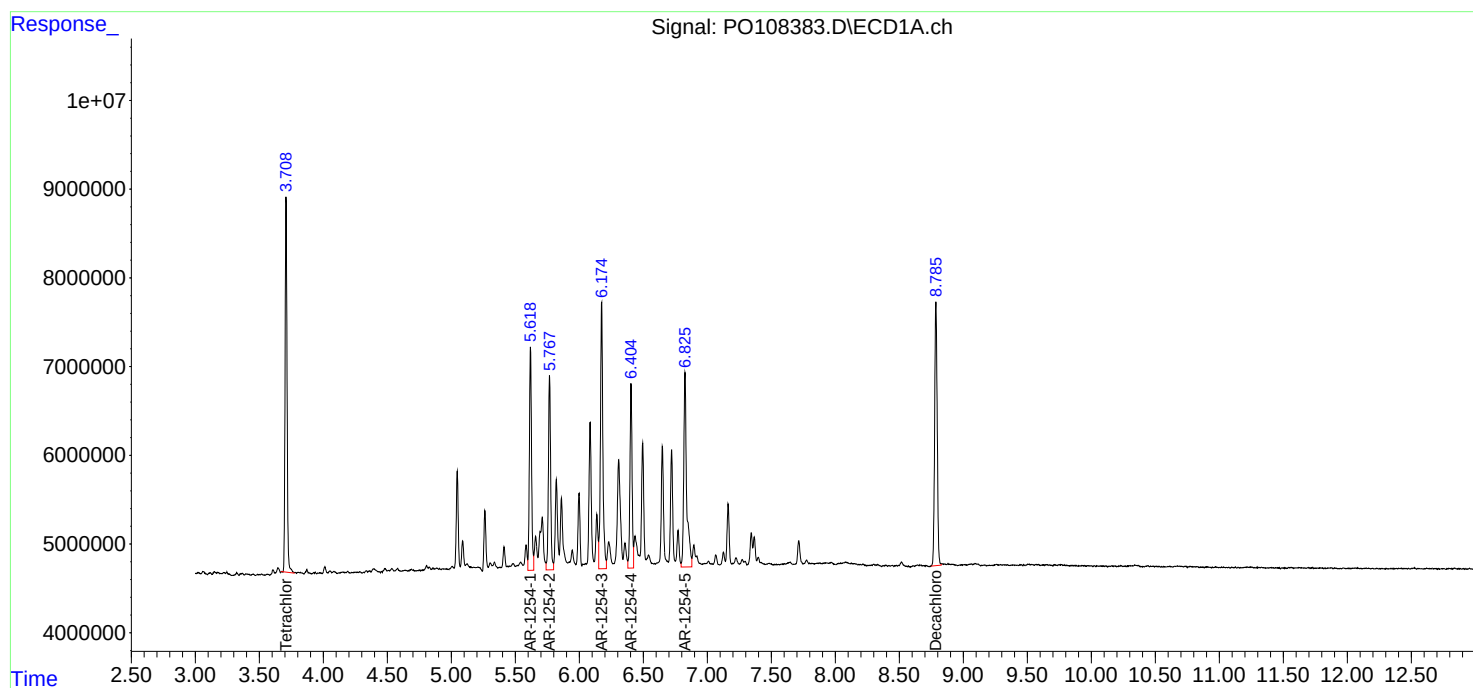
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

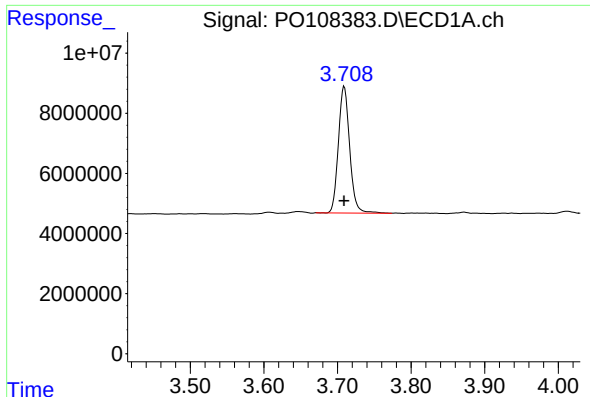
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO120624\
Data File : PO108383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 20:44
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

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 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

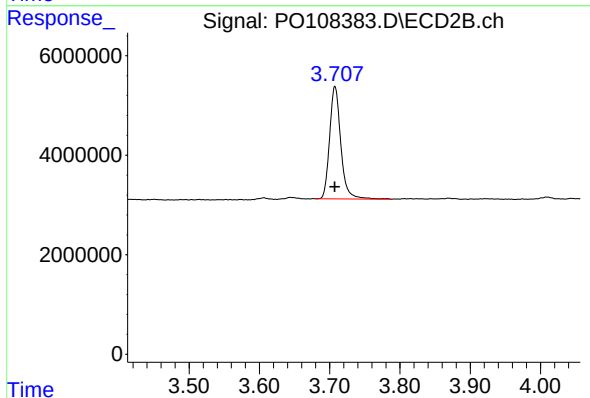




#1 Tetrachloro-m-xylene

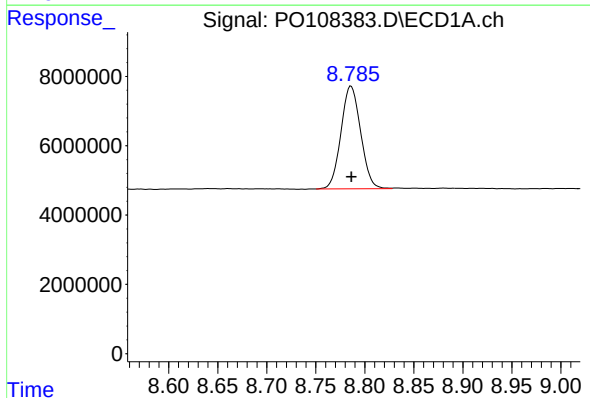
R.T.: 3.709 min
Delta R.T.: 0.000 min
Response: 44979145
Conc: 4.74 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



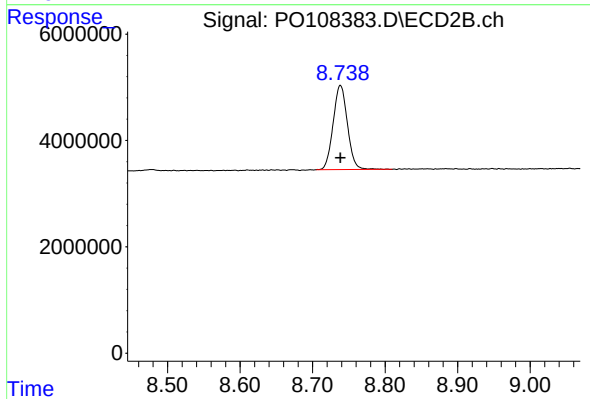
#1 Tetrachloro-m-xylene

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



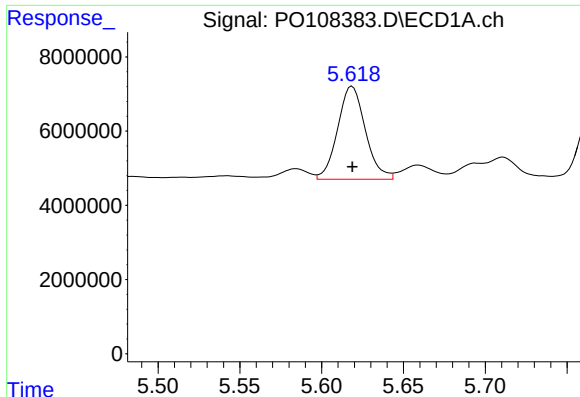
#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

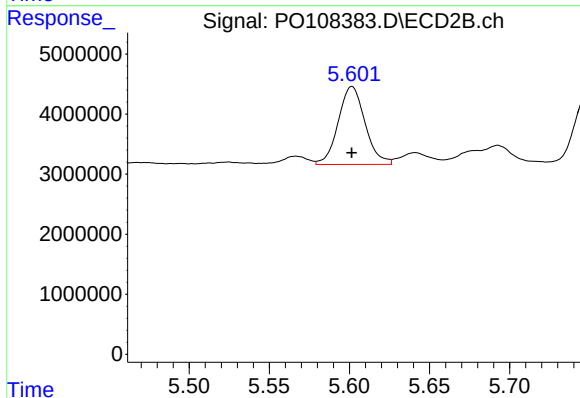
R.T.: 8.738 min
Delta R.T.: 0.000 min
Response: 21658098
Conc: 5.09 ng/ml



#26 AR-1254-1

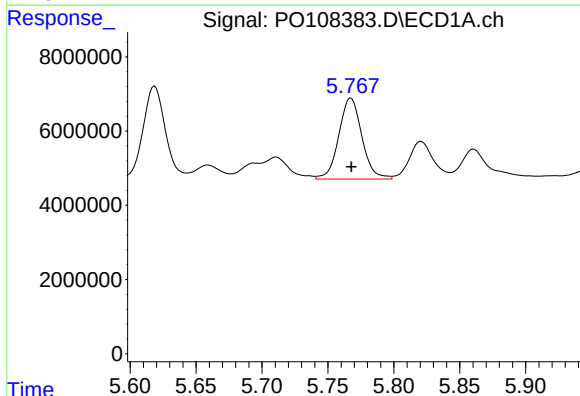
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 29499091
Conc: 57.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



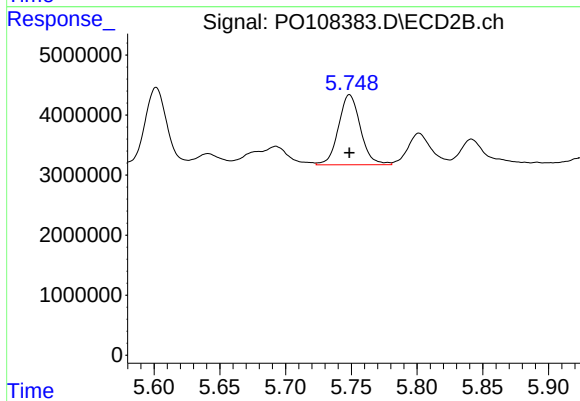
#26 AR-1254-1

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



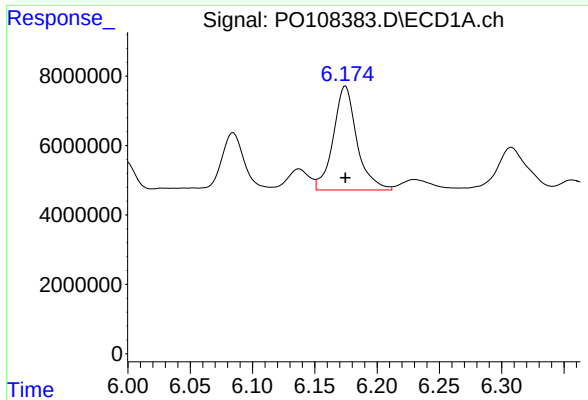
#27 AR-1254-2

R.T.: 5.768 min
Delta R.T.: 0.000 min
Response: 26615835
Conc: 58.77 ng/ml



#27 AR-1254-2

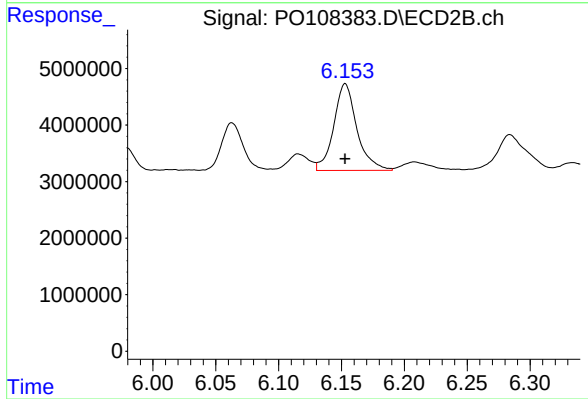
R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 13582944
Conc: 56.89 ng/ml



#28 AR-1254-3

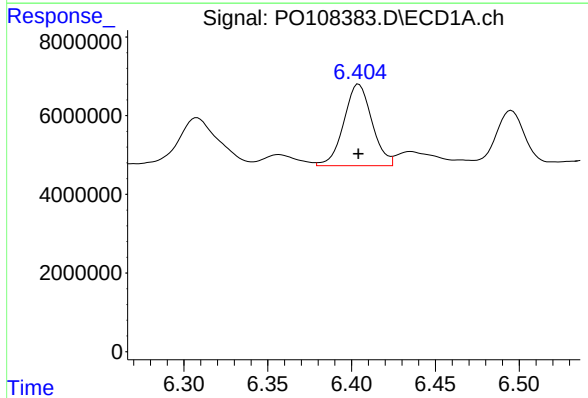
R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 39577166
Conc: 54.48 ng/ml

Instrument :
ECD_O
ClientSampleId :
AR1254ICC050



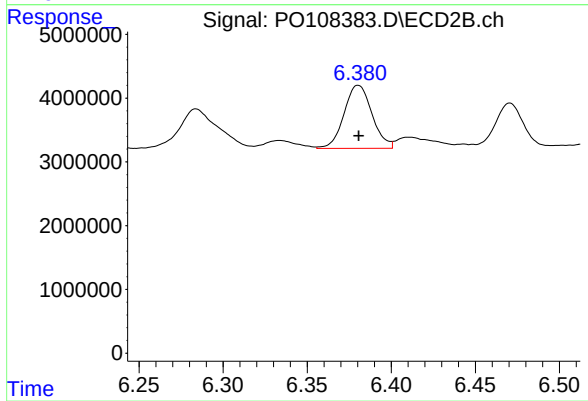
#28 AR-1254-3

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



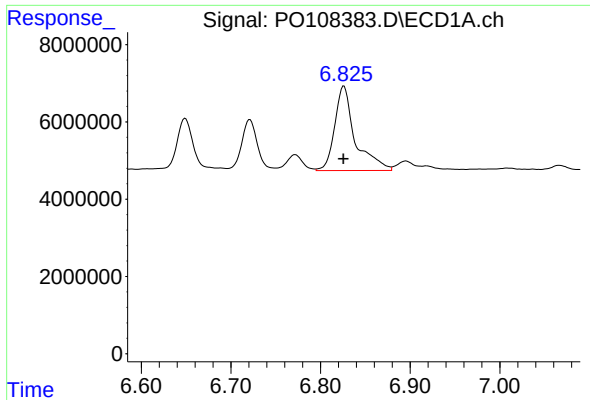
#29 AR-1254-4

R.T.: 6.404 min
Delta R.T.: 0.000 min
Response: 24247164
Conc: 54.58 ng/ml



#29 AR-1254-4

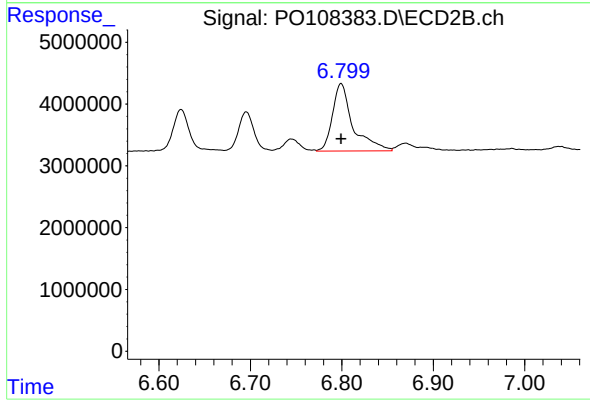
R.T.: 6.380 min
Delta R.T.: 0.000 min
Response: 11443812
Conc: 51.90 ng/ml



#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